DEPARTMENT OF BUDGET AND FISCAL SERVICES
CITY AND COUNTY OF HONOLULU
530 SOUTH KING STREET, ROOM 208 • HONOLULU, HAWAII 96813
PHONE: (808) 768-3900 • FAX: (808) 768-3179 • INTERNET: www.honolulu.gov

KIRK CALDWELL
MAYOR

NELSON H. KOYANAGI, JR.
ACTING DIRECTOR

GARY K. KUROKAWA
DEPUTY DIRECTOR

RECEIVED
CITY CLERK
C & C OF HONOLULU
2013 APR -2 AM 8:52

April 1, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Follow Up to Verbal Questions Relating to Budget Committee Fiscal Year 2014 Annual Budget Briefings

Attached are the responses to Budget Committee verbal questions from March 11 to March 14, 2013 for the following departments:

- Office of the Mayor
- Managing Director
- Neighborhood Commission
- Department of Budget and Fiscal Services
- Department of Community Services
- Corporation Counsel – Ethics
- Department of Customer Services
- Department of Design and Construction
- Department of Emergency Management
- Department of Environmental Services
- Department of Facility Maintenance
- Honolulu Fire Department
- Department of information Technology
- Department of Parks and Recreation
- Department of Planning and Permitting
- Department of Transportation Services

Should you have any questions, please free to contact me at 768-3901.

Sincerely,

Nelson H. Koyanagi, Jr.
Acting Director

APPROVED:

Ember Lee Shinn
Managing Director

DEPT. COM. 190

OFFICE OF THE MAYOR
CITY AND COUNTY OF HONOLULU

530 SOUTH KING STREET, ROOM 300 * HONOLULU, HAWAII 96813
PHONE: (808) 768-4141 * FAX: (808) 768-4242 * INTERNET: www.honolulu.gov

KIRK CALDWELL
MAYOR

EMBER LEE SHINN
MANAGING DIRECTOR

GEORGETTE T. DEEMER
DEPUTY MANAGING DIRECTOR

March 27, 2013

The Honorable Ann H. Kobayashi, Chair
And Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Budget Hearing Questions of March 11, 2013
Offices of the Mayor and Managing Director

Attached is the response to your questions of March 11, 2013.

Very truly yours,

Ember Lee Shinn
Managing Director

APPROVED:

Nelson H. Koyanagi, Jr., Acting Director

APPROVED:

Ember Lee Shinn
Managing Director

Additional Questions of March 11, 2013
Offices of the Mayor and Managing Director

ATTACHMENT

Question: Provide history of when overtime was put into the budget and how much has been used historically.

Answer:

Overtime was first placed in the FY 2008 budget and has continued to be placed in the budget every year thereafter.

The Mayor's Office is appropriated $1,700 for each fiscal year. No funds have been expended for this use as of date.

The Managing Director's Office was appropriated $4,700 for FY 2008, and was increased to $4,900 from FY 2009. No funds have been expended for this use during FYs 2008-2010. $1,000 was expended in FY 2011 by the Office of Economic Development to reimburse the Department of Parks and Recreation for overtime used to staff the Pro Bowl. $518 was expended in FY 2012 by the Office of Economic Development to reimburse the Department of Customer Services for printing of the Sister Cities Summit program.

No overtime has been expended by the Mayor's office or the Managing Director's office for 2013.

Question: Why would MOCA grants continue until the GIA process is determined? Concerns about this process.

Answer:

At the time of the budget presentation and submission of MOCA budget, the Council had not yet passed the Bill 4 and resolution implementing the new Charter mandated Grants in Aid (GIA) Program. So we had not made a decision on how the MOCA grants would be awarded because the bulk of the funds for grants were removed from MOCA budget based on the assumption that such grants would be awarded through the GIA program. If the grants for small projects remain in MOCA's budget, MOCA will proceed to award the grants at the commencement of the fiscal year, in accordance with its rules. This will permit those entities who do not receive grants to seek funding under the GIA program.

Question: What is the $700 line item for glass used for?

Answer:

This responds to your inquiry about the Mayor's Office of Culture and the Arts (MOCA) line item budget of $700 for glass. Under ROH Sec. 3-2.8, MOCA manages the Art in City Buildings collection which includes maintenance of artwork. Many two-

ATTACHMENT

dimensional works of the art in the collection are framed under glass. As needed, this framing and glass is replaced. Some works of art that are acquired unframed and unglazed are framed before being put on display. For protection and security, some small-scale sculptures in the collection are displayed on pedestals with Plexiglas vitrines. These display accessories are not acquired with the artwork but are purchased by MOCA. MOCA also has an exhibit program whereby community groups have exhibitions in various City venues such as the Honolulu Hale courtyard and third floor, Lane Gallery, and the foyer of Kapolei Hale. As an exhibit venue, MOCA provides a limited number of display panels and pedestals with Plexiglas vitrines.

Question: Dragon boat storage costs? Are there more boats now?

Answer:

The City owns 6 International Dragon Boat Federation certified dragon boats. Three boats were gifted to the City in the summer of 2011 by the government of Zhongshan (RES 11-246) and three boats were gifted in September 2012 by the Hawaii Dragon Boat Association (RES-12-214). All of the boats are in storage at the DFM storage facility in Pearl City along with other supplies, material and equipment from various City departments. The current rent for this warehouse is $59,204.16 per month.

NEIGHBORHOOD COMMISSION OFFICE
CITY AND COUNTY OF HONOLULU
530 SOUTH KING STREET, ROOM 406 • HONOLULU, HAWAII 96813
PHONE (808) 768-3710 • FAX (808) 768-3711 • INTERNET: www.honolulu.gov/nco

KIRK CALDWELL
MAYOR

ROMEO GARCIA
DEPUTY EXECUTIVE SECRETARY

March 25, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Budget Hearing Question of March 11, 2013 for Neighborhood Commission Office

Attached is the response to your questions of March 11, 2013.

Sincerely,

Romeo Garcia, Deputy Executive Secretary
Neighborhood Commission Office

APPROVED:

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Neighborhood Commission Office
Budget Hearing Question of March 11, 2013

Question: How many uncontested positions are there in the 2013 board elections?

Answer:

There are a total of 471 candidates. 260 of these are in contested races and 211 are uncontested. Attached is a graph which shows the distribution of 2013 Neighborhood Board candidates in relation to how each of the 33 Neighborhood Boards are structured. Board areas and/or subdistricts that have more candidates than seats, and are therefore contested, are shaded.

BOARD	AT-LARGE	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	Total
Hawaii Kai #1	AT-LARGE	1	2	3	4	5	6	7	8	9	10	11				
Seats	4	1	1	1	1	1	1	1	1	1	1	1				15
Filed	5	1	1	1	1	2	2	1	1	1	1	1				18
Kuliouou #2	AT-LARGE	1	2	3	4	5	6	7	8							
Seats	0	1	1	1	1	1	6	3	3							17
Filed	0	1	1	1	1	1	6	3	4							18
Waialae #3	AT-LARGE	1	2	3	4											
Seats	1	2	2	2	2											9
Filed	1	4	2	3	2											12
Kaimuki #4	AT-LARGE	1	2	3												
Seats	0	4	4	3												11
Filed	0	2	3	2												7
Diamond Head #5	AT-LARGE	1	2	3												
Seats	0	5	5	5												15
Filed	0	7	5	5												17
Palolo #6	AT-LARGE	1	2	3	4											
Seats	5	2	2	2	2											13
Filed	5	2	1	1	2											11
Manoa #7	AT-LARGE	1	2	3	4											
Seats	0	3	3	5	6											17
Filed	0	2	3	1	1											7
McCully #8	AT-LARGE															
Seats	15															15
Filed	13															13
Waikiki #9	AT-LARGE	1	2	3												
Seats	0	6	6	5												17
Filed	0	7	7	8												22
Makiki #10	AT-LARGE	1	2	3												
Seats	0	6	7	4												17
Filed	0	9	9	4												22
Ala Moana #11	AT-LARGE	1	2	3	4											
Seats	0	4	2	2	1											9
Filed	0	6	1	4	2											13
Nuuanu #12	AT-LARGE	1	2	3												
Seats	0	5	5	5												15
Filed	0	4	5	4												13
Downtown #13	AT-LARGE															
Seats	9															9
Filed	11															11
Liliha #14	AT-LARGE	1	2	3	4	5										
Seats	3	2	2	4	1	1										13
Filed	5	0	2	3	0	1										11
Kalihi-Palama #15	AT-LARGE															
Seats	13															13
Filed	8															8
Kalihi Valley #16	AT-LARGE															
Seats	9															9
Filed	9															9
Salt Lake #18	AT-LARGE															
Seats	9															9
Filed	7															7
Aiea #20	AT-LARGE	1	2	3	4											

Seats	1	4	3	4	3											15
Filed	2	3	3	6	5											19
Pearl City #21	AT-LARGE															
Seats	13															13
Filed	9															9
Waipahu #22	AT-LARGE	1	2	3												
Seats	9	2	3	5												19
Filed	11	1	2	6												20
Ewa #23	AT-LARGE															
Seats	11															11
Filed	18															18
Waianae #24	AT-LARGE	1	2													
Seats	3	3	3													9
Filed	3	2	4													9
Mililani #25	AT-LARGE	1	2	3	4											
Seats	8	4	3	3	5											23
Filed	10	4	3	3	5											25
Wahiawa #26	AT-LARGE															
Seats	9															9
Filed	13															13
North Shore #27	AT-LARGE	1	2	3	4	5										
Seats	0	2	4	4	1	4										15
Filed	0	2	5	8	1	5										21
Koolauloa #28	AT-LARGE	1	2	3	4	5										
Seats	0	2	4	3	1	1										11
Filed	0	4	4	8	1	1										18
Kahaluu #29	AT-LARGE	1	2	3	4	5	6									
Seats	0	2	3	3	2	3	2									15
Filed	0	1	2	3	2	3	1									12
Kaneohe #30	AT-LARGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Seats	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17
Filed	3	1	1	1	1	0	1	0	1	2	1	0	1	0	1	14
Kailua #31	AT-LARGE	1	2	3	4											
Seats	0	3	5	4	7											19
Filed	0	5	3	4	9											21
Waimanalo #32	AT-LARGE	1	2	3	4	5	6	7	8	9	10	11				
Seats	2	1	1	1	1	1	1	1	1	1	1	1				13
Filed	2	1	1	1	0	1	2	1	0	3	1	1				14
Makakilo #34	AT-LARGE															
Seats	9															9
Filed	15															15
Mililani Mauka #35	AT-LARGE															
Seats	9															9
Filed	11															11
Nanakuli #36	AT-LARGE															
Seats	9															9
Filed	13															13
Total Seats	439															
Total Filed	471															

DEPARTMENT OF BUDGET AND FISCAL SERVICES
CITY AND COUNTY OF HONOLULU
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KIRK CALDWELL
MAYOR

NELSON H. KOYANAGI, JR
ACTING DIRECTOR

GARY KUROKAWA
DEPUTY DIRECTOR

March 27, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Budget Hearing Questions of March 11, 2013 for Department of Budget and Fiscal Services

Attached is the response to your questions of March 11, 2013.

Sincerely,

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Attachment

Operating Budget:

Question: Provide update of what current ENV procurement positions are doing. What would they be doing if funded by GN? How much idle time would they have if SW funded?

Answer:

The budget proposes to replace the existing ENV procurement contracts, which are funded by the General Fund in the current fiscal year, with permanent civil service positions. Though the wastewater EPA compliance was the driving force for adding new positions, a need exists for supporting other environmental initiatives and Citywide projects.

Currently the contract positions process purchase orders for wastewater facilities and other ENV divisions such as Refuse and Collection System Maintenance. Much time is spent trying to find obsolete parts for aging infrastructure. Oftentimes there are sole/single source suppliers so prices are examined carefully and justified. Contract hires also handle change orders from DDC/Wastewater construction projects. We recently lost our experienced contract hire (retired purchasing buyer) who handled all professional service contracts. These now must be done by more seasoned civil service employees. Formal bids and solicitations are also handled by experienced civil service staff.

A permanent civil service section devoted to supporting ENV would be able to handle other ENV related initiatives such as the Energy Savings Conservation Program (energy saving initiatives for treatment plants,) and recycling initiatives (green waste, white trash, recycling centers, tires, etc.) Many ENV initiatives involve multiple disciplines such as sludge from wastewater and methane gas from landfills being recycled to useable energy. ENV is working to reduce their energy costs. This requires cross functional initiatives by all disciplines.

It is difficult to advance contract hires to more complicated procurement. They leave when permanent employment opportunities arise and forcing us into a constant training mode.

Using General funds will allow us the flexibility required to use resources based on strength. Just as we use seasoned civil service employees to augment difficult procurement for wastewater, we need the flexibility to tap less experienced buyers to backfill functions sacrificed to undertake these more difficult initiatives. Management flexibility in utilizing resources adds to efficiency and potentially reduces costs. An

example would be the sudden increase in road repair. Rather than hire new staff to handle surges, we could allocate existing staff to fill the gap and tap the strengths of each employee.

Question: Provide breakdown of categories of real property tax delinquencies and amounts?

Answer:

With the help of the vendor, the Treasury Division was able to extract the requested information. The attached worksheet reflects the real property tax delinquencies by class.

Question: Look at how much was spent on ERP and how when the vendor said that costs will not increase, why are costs continuing to rise. We shouldn't have to pay for an upgrade if the vendor said that they would absorb all costs.

Answer:

From our department's perspective CGI did what was within the scope of the original contract within the bid price; however, the City has requested additional services and paid for them. Since ERP is a DIT project, they would need to provide any other desired detailed information.

Question: Why did the Departmental Staff Executive Assistant salary increase from FY13 to FY14?

Answer:

The salary for this position should reflect a five percent salary increase due to the restoration of pay reductions budgeted in FY 2013. The correct salary for the Departmental Staff Executive Assistant position is $74,556.

Question: How much does each cent increase in the fuel tax translate to the amount of road reconstruction budgeted?

Answer:

The $15 million in revenues from the proposed fuel tax increase of 5 cents per gallon would be deposited into the Highway Fund and used for two purposes:

1) Restoring critical bus service on routes that were cut last year – the FY 2014 budget includes an additional $3.5 million for this purpose.

2) Paying a portion of the debt service on the bond funding for road repaving. Debt service for roads related projects will increase by about $20 million in FY 2014 compared to FY 2013. Also, the increased appropriations in FY 2014 and in prior years for road rehabilitation will result in further increases in debt service. The City needs to increase its Highway Fund revenues to be able to cover the Highway Fund's increasing debt service costs, in FY 2014 and future years.

Question: What are the types and amounts of real property tax exemptions for commercial properties?

Answer:

This response includes properties classified as commercial, industrial, and hotel / resort.

Exemption Type	Exemption Valuation
Residential	$1,942,848,481
Credit Union	150,746,085
Historic Commercial	26,644,500
For- profit child care	12,502,822
Total Amount	**$2,132,741,888**

Question: What are the amounts for the non-profit exemptions by classification?

Answer:

Classification	Exemption Valuation
Residential	$2,984,323,896
Commerical	1,652,709,774
Industrial	267,689,107
Agricultural	97,504,045
Preservation	39,834,622
Hotel / Resort	22,449,600
Totals	**$5,064,511,044**

CITY AND COUNTY OF HONOLULU
REAL PROPERTY TAX DELINQUENCIES BY CLASS
MARCH 21, 2013

CLASS	# OF PARCELS		DELINQUENCY				
	TOTAL	DELINQUENT	TAX	PENALTY	INTEREST	OTHER	TOTAL
Residential		9,277	$9,454,711.12	$558,664.45	$918,577.46	$273,035.48	$11,204,988.51
Residential - Government		624	731,991.15	52,694.58	152,499.03	1,370.75	938,555.51
Subtotal - Residential	**258,482**	**9,901**	**$10,186,702.27**	**$611,359.03**	**$1,071,076.49**	**$274,406.23**	**$12,143,544.02**
Hotel and resort		551	$963,623.99	$63,166.82	$72,053.01	$0.00	$1,098,843.82
Hotel and resort - Government		1	9,793.52	926.02	3,339.09	0.00	14,058.63
Subtotal - Hotel and resort	**6,991**	**552**	**$973,417.51**	**$64,092.84**	**$75,392.10**	**$0.00**	**$1,112,902.45**
Commercial		653	$3,526,301.87	$229,954.64	$278,516.26	$2,464.28	$4,037,237.05
Commercial - Government		63	341,152.59	22,352.23	106,704.10	0.00	470,208.92
Subtotal - Commercial	**6,312**	**716**	**$3,867,454.46**	**$252,306.87**	**$385,220.36**	**$2,464.28**	**$4,507,445.97**
Industrial		196	$2,116,863.36	$113,963.26	$94,408.87	$1,113.72	$2,326,349.21
Industrial - Government		114	901,017.79	60,582.23	193,797.63	0.00	1,155,397.65
Subtotal - Industrial	**3,963**	**310**	**$3,017,881.15**	**$174,545.49**	**$288,206.50**	**$1,113.72**	**$3,481,746.86**
Agricultural		277	$736,801.30	$55,206.88	$126,774.17	$50.00	$918,832.35
Agricultural - Government		63	248,942.36	19,586.33	86,932.70	20.00	355,481.39
Subtotal - Agricultural	**2,656**	**340**	**$985,743.66**	**$74,793.21**	**$213,706.87**	**$70.00**	**$1,274,313.74**
Preservation		90	$369,477.18	$27,268.58	$92,921.98	$2,190.98	$491,858.72
Preservation - Government		3	1,242.13	85.70	760.18	0.00	2,088.01
Subtotal - Preservation	**842**	**93**	**$370,719.31**	**$27,354.28**	**$93,682.16**	**$2,190.98**	**$493,946.73**
Vacant Agricultural		16	$192,428.65	$7,877.18	$2,201.10	$0.00	$202,506.93
Vacant Agricultural - Government		1	823.22	32.92	8.56	0.00	864.70
Subtotal - Vacant Agricultural	**132**	**17**	**$193,251.87**	**$7,910.10**	**$2,209.66**	**$0.00**	**$203,371.63**
TOTAL	**279,378**	**11,929**	**$19,595,170.23**	**$1,212,361.82**	**$2,129,494.14**	**$280,245.21**	**$23,217,271.40**
					FY2013 Tax Levy		**$826,826,937.21**
			Outstanding Delinquent Taxes as Percent of Current Levy				**2.81%**

DEPARTMENT OF COMMUNITY SERVICES
CITY AND COUNTY OF HONOLULU
715 SOUTH KING STREET, SUITE 311 ● HONOLULU, HAWAII 96813 ● AREA CODE 808 ● PHONE: 768-7762 ● FAX: 768-7792

KIRK CALDWELL
MAYOR

PAMELA A. WITTY-OAKLAND
DIRECTOR

GARY K. NAKATA
DEPUTY DIRECTOR

March 27, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT : Budget Hearing Question(s) of March 11, 2013 for Department of Community Services

Attached is the response to your questions of March 11, 2013.

Sincerely,

Pamela A. Witty Oakland
Department of Community Services

APPROVED:

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Attachment

Question 1. Section 8 – 3,500 Vouchers – provide impact of sequestration.

Answer:

As indicated before the Committee, we are pending official notice of our annual funding from the U. S. Department of Housing and Urban Development. We will not take action that will affect a family until we receive such notice.

Separately, we were asked to respond to the number of vouchers and dollars being spent to assist our current caseload.

Income category	No. families	% of total	Average subsidy/month	Dollars[1]
0-30% median income	3,072	83%	$1,007	$3,093,504
30 – 50% median income	568	15%	1,007	571,976
50-80% median income	75	2%	1,007	75,525
>80% median income	1	0	1,007	1,007
Total	3,715[2]	100%		$3,742,012

Question 2. How many housing affordable housing units could be created with $26 million?

Answer:

The City's practice has been to provide "gap" funding to support the development of affordable rental housing. By gap funding we mean the financing needed to complete a given project's financing after all other financial resources such as the low income housing tax credit program, the State Rental Housing Trust fund, private activity bonds, and private bank loans have been maximized. Currently the City principal source of gap financing is the HOME Investment Partnerships program. The City's gap financing contributions have ranged from approximately $15,000 per unit to up to $50,000 per unit. Using this range, $26,000,000 could be used to subsidize between 1,700 and 520 affordable rental units. We caution that the per unit subsidy levels are subject to the

[1] Figures are not actual but extrapolated based on average family subsidy. Subsidy is not paid for families searching for units.
[2] Number as of March 18, 2013, exceeds current caseload of 3,585 due to inclusion of families searching for units or who have pending actions.

availability of the resources available through the other financing programs previously mentioned, and variations in development cost due to factors such as the need to up-grade infrastructure or undertake substantial site work could substantial increase the need for gap financing and substantially increase the per unit subsidy which would decrease the number of affordable units that could be developed.

Question 3. Explain the increase in rent #3007 for Work Hawaii.

Answer:

The rent for WorkHawaii operations located at Dillingham Shopping Plaza includes base rent, utilities and common area maintenance costs. Actual operating expenses have been showing an upward trend. The lease agreement will expire at the end of September 2013. We anticipate an increase for base rent when the lease is re-negotiated. Hence we are budgeting an estimated rent increase."

Question 4. Explain increase in Other Contractual Services #3009 in the Office of Special Projects

Answer:

Line item #3009 in the OSP budget has been allocated to contract a programmer to develop a grant management program. In the past, grant management has been a challenge (tracking documents, payments, performance measures, and timely reporting), thus, the decision to contract a programmer to develop such a program. Factored into the decision was knowing that subscribing to a packaged grant management software for small grantmakers cost approximately $1,500 annually. Contracting a programmer for a one-time contract of $2,345 is more economical than to pay for a packaged grant management software that will charge an annual service fee indefinitely. In addition, given the volume anticipated with Grants in Aid Fund, the programmer will develop a program best suited to meet OSP's deadlines and reporting activities.

Question 5. Explain the decrease in Work Hawaii for #3705, #3706, and #3707.

Answer:

Regarding 3705 Need Based Payments: The decrease is due to the ending of our State Energy Sector Partnership (SESP) in December 2012. Funds did not continue over to FY14. The State Energy Sector Partnership grant provided additional funds that

increased our ability to serve individuals pursuing training or employment in energy sector industries. The decrease does not adversely impact our ability to provide need based payments due to available funds through other grants: Workforce Investment Act Adult and Dislocated Worker, Young Adult Ex-Offender, CDBG and Family Self-Sufficiency.

3706 Tuition Payments and 3707 On-the-job-training: These line items are specific to our Workforce Investment Act Adult and Dislocated Worker funds. There has been a decrease of funds which we receive for these grants. We do not have other funding sources to augment these services. Without additional general funds, we will need to serve less individuals and/or decrease the amount of funds available to provide tuition payments and on-the-job training.

Question 6. Explain the cost of $15,500 to store documents for Leasehold Conversion?

Answer:

Office of Special Projects leases office space from the Elderly Affairs Division located at 715 South King Street. The space of 340 sq. ft. is utilized to consolidate leasehold project documents in file cabinets and boxes that were relocated from the prior WorkHawaii office space located at 711 Kapiolani in 2011. Additionally, 225 boxes from the WorkHawaii office on Dillingham Boulevard, as well as 20 boxes previously stored at Harbor Square are also located in this space.

ETHICS COMMISSION

CITY AND COUNTY OF HONOLULU

715 SOUTH KING STREET, SUITE 211, HONOLULU, HAWAII 96813-3091
Phone: (808) 768-7786 · Fax: (808) 768-7768 · EMAIL: ethics@honolulu.gov
Internet: www.honolulu.gov/ethics

KIRK CALDWELL
MAYOR

CHARLES W. TOTTO
EXECUTIVE DIRECTOR & LEGAL COUNSEL

April 1, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Budget Hearing Question of March 11, 2013 for the Department of Corporation Counsel/Ethics Commission

Attached is the response to your question of March 11, 2013.

Sincerely,

Donna Y.L. Leong, Corporation Counsel Designate
Department of the Corporation Counsel

Attachments

cc: Councilmember Stanley Chang

APPROVED:

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Department of Corporation Counsel/Ethics Commission
Council Question of March 11, 2013

Attachment

Question:

Summarize analysis of projected ethics investigation workload. (AK)

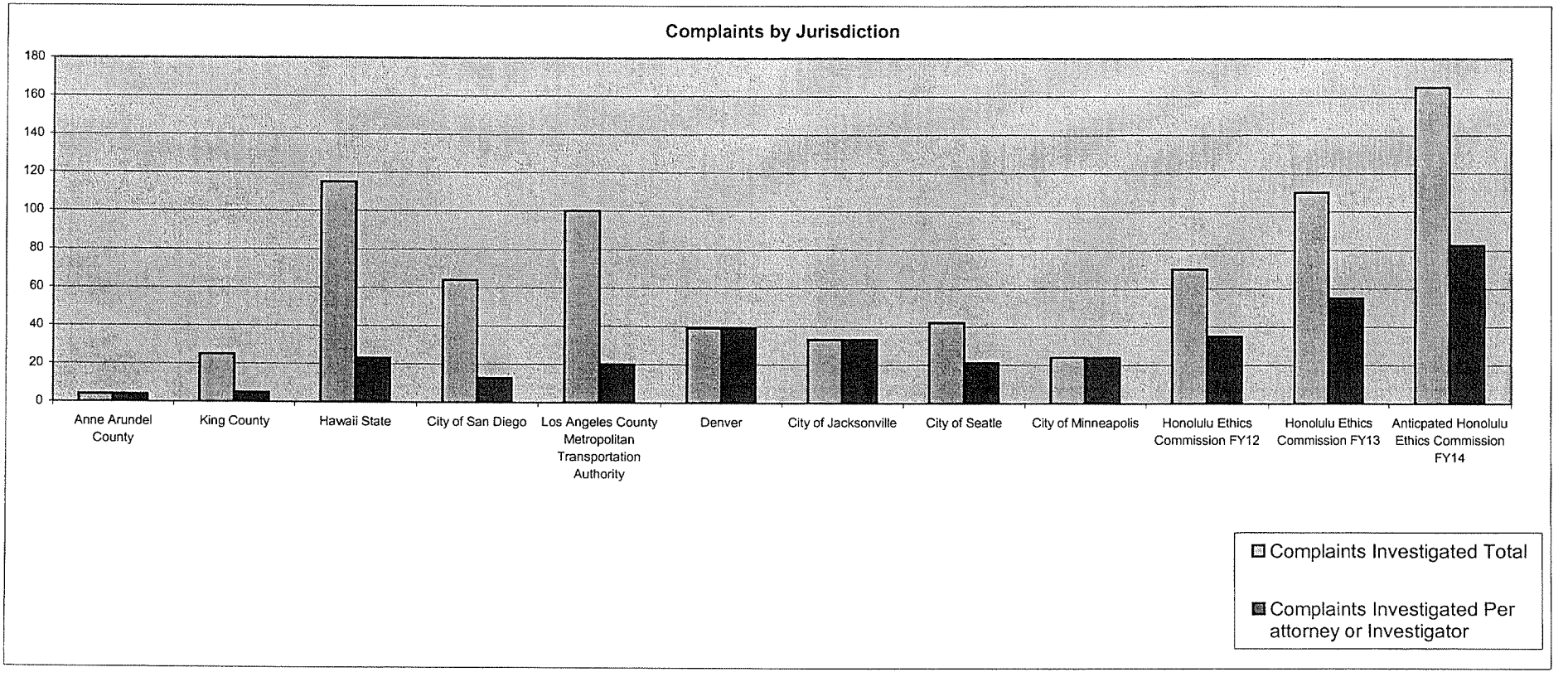
Answer:

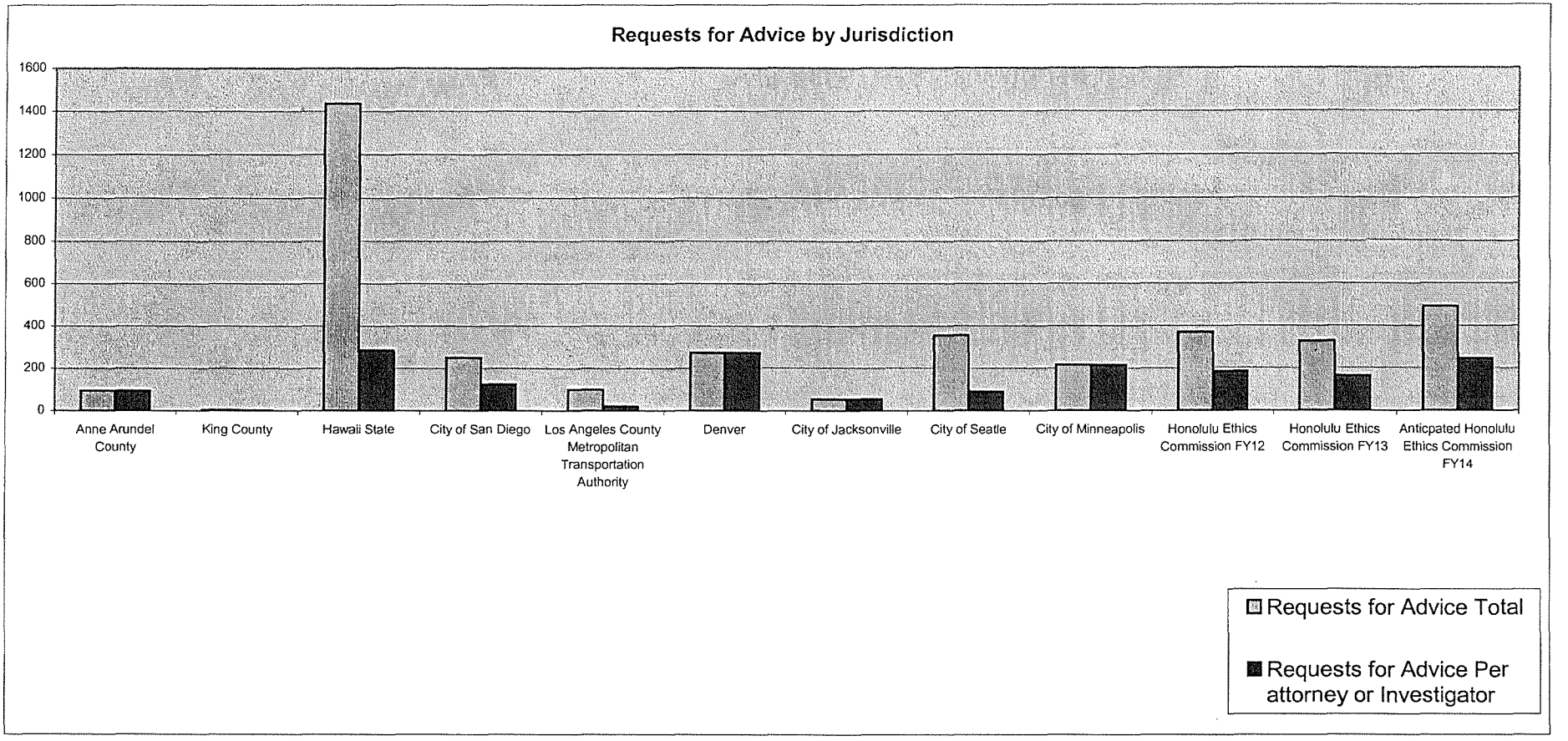
Attached are two charts of the historical and projected future advice and complaint investigation workloads for certain ethics agencies and the Honolulu Ethics Commission. Ethics Commission Executive Director and Legal Counsel Chuck Totto referred to the charts in response to a question from Councilmember Chang at the March 11 budget review. Besides other municipal ethics agencies, we included statistics for the Hawaii State Ethics Commission and for our commission for FY12, FY13 (annualized) and FY14 assuming a 50% increase in requests for advice and complaints.

Ethics Commission Analysis

		Anne Arundel County	King County	Hawaii State	City of San Diego	Los Angeles County Metropolitan Transportation Authority	Denver	City of Jacksonville	City of Seatle	City of Minneapolis	Honolulu Ethics Commission FY12	Honolulu Ethics Commission FY13	Anticpated Honolulu Ethics Commission FY14
Complaints Investigated	Total	4	25	115	64	100	39	33	42	24	70	110	165
	Per attorney or Investigator	4	5	23	12.8	20	39	33	21	24	35	55	82.5

		Anne Arundel County	King County	Hawaii State	City of San Diego	Los Angeles County Metropolitan Transportation Authority	Denver	City of Jacksonville	City of Seatle	City of Minneapolis	Honolulu Ethics Commission FY12	Honolulu Ethics Commission FY13	Anticpated Honolulu Ethics Commission FY14
Requests for Advice	Total	95	4	1435	250	100	275	54	356	215	370	328	492
	Per attorney or Investigator	95	0.8	287	125	20	275	54	89	215	185	164	246




Requests for Advice by Jurisdiction
1600
1400
1200
1000
800
600
400
200
0
Anne Arundel County
King County
Hawaii State
City of San Diego
Los Angeles County Metropolitan Transportation Authority
Denver
City of Jacksonville
City of Seatle
City of Minneapolis
Honolulu Ethics Commission FY12
Honolulu Ethics Commission FY13
Anticpated Honolulu Ethics Commission FY14
Requests for Advice Total
Requests for Advice Per attorney or Investigator

DEPARTMENT OF CUSTOMER SERVICES
CITY AND COUNTY OF HONOLULU
MISSION MEMORIAL BUILDING
550 SOUTH KING STREET, HONOLULU, HAWAII 96813
TELEPHONE: (808) 768-3392 FAX: (808) 768-3750
http://www.honolulu.gov

KIRK CALDWELL
MAYOR

SHERI T. KAJIWARA
DIRECTOR

March 22, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Questions of March 11, 2013
For Department of Customer Services

Attached is the response to your questions of March 11, 2013.

Sincerely,

Sheri T. Kajiwara
Director

APPROVED:

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Department of Customer Services
Budget Hearing Questions

Attachment

Question 1. Has the Hawaii Kai satellite city hall rent doubled? Why the increase?

Answer:

No, the rent has not doubled. The facility is a co-shared facility with the Honolulu Police Department (HPD). Because the Department of Customer Services (CSD) advances payment for the full lease cost and an adjustment is subsequently made to assess HPD for its share of the rent, an inadvertent budgeting error occurred. The amount budgeted in CSD should be 50 percent of the costs or $22,626.

Question 2. Why did the Satellite City Hall Administrator and Public Communications Complaint Officer positions increase from FY 2013 to FY 2014?

Answer:

The salary for these positions should reflect a 5 percent increase due to the restoration of pay reductions budgeted in FY 2013. With the 5 percent salary restoration, the correct salary for the Satellite City Hall Administrator and the Complaint Officer positions should be $82,176 and $74,556, respectively.

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET, 11TH FLOOR
HONOLULU, HAWAII 96813
Phone: (808) 768-8480 • Fax: (808) 768-4567
Web site: www.honolulu.gov

KIRK CALDWELL
MAYOR

CHRIS T. TAKASHIGE, P.E., CCM
DIRECTOR

MARK YONAMINE, P.E.
DEPUTY DIRECTOR

March 22, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Budget Hearing Question(s) of March 12, 2013 for Department of Design and Construction

Attached is the response to your questions of March 12, 2013.

Sincerely,

Chris T. Takashige, P.E., CCM, Director
Department of Design and Construction

APPROVED:

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Attachment

Question 1. CIP: Provide a listing of pending projects that are being looked at for sustainable renewable technology or possible private/public partnerships?

Answer:

The pending projects include the photovoltaic system for the Honolulu Police Training Academy and the Kapolei Corporation Yard. We are also investigating other City facilities as possible candidates for photovoltaic systems. No private/public partnerships are planned at this time, but the City is entertaining several Energy Savings Co (ESCO) proposals in which the company provides a utility service and both the ESCO and City share in the energy savings realized in the out years. ESCO considerations are building cooling from deep ocean sea water and LED street and parking lot lighting.

Question 2. OPERATING: When available, please provide a copy of the rockfall report to all councilmembers listing areas of concern?

Answer:

Effective March 20, 2013, copies of the rockfall report may be obtained as follows:
You may view a copy of the summary report of the survey by calling for an appointment or e-mailing a request to the City and County of Honolulu Municipal Library at 588 S. King Street (tel: (808)768-3765 / e-mail address: csdaccess@honolulu.gov) or via the Department of Design and Construction's website: http://www1.honolulu.gov/ddc/

Question 3. CIP: Explain why the Paokalani Sidewalks in Waikiki cannot be included in the Phase 2 Waikiki Improvements Project.

Answer:

The construction of Paoakalani Avenue Sidewalks by the City requires the creation of an Improvement District (I.D.) project. The I.D. process is a method of financing the cost of the project. It is based on the belief that the properties benefiting from the proposed improvements should be assessed a portion of the cost of those improvements. Under an I.D. program, both the benefiting owners and the City share in the cost of constructing the improvements. The I.D. program requires that the community support and initiate these improvements through their Councilmember.

Answer continued:

The Waikiki Improvements project is for improvements on existing sidewalks.

Question 4. CIP: Please provide a time frame on the progress of the Niu Valley Playground project?

Answer:

The City anticipates the Niu Valley Community's consultant will complete the construction plans this summer and the project will be advertising for bids in the fall. Construction would then start in early 2014.

Question 5. CIP: For each of the following fiscal years 2008, 2009, 2010, 2011, 2012, provide the amount of funds expended for the rehabilitation of streets.

Answer:

The following data is as of 2/28/13 (in $1,000's)

	2008	2009	2010	2011	2012
Budget	$49,750	$77,000	$77,000	$77,000	$77,000
Encumbered	$49,644	$76,991	$77,000	$76,981	$28,412
Expended	$49,045	$65,245	$66,620	$20,283	$1,253

DEPARTMENT OF EMERGENCY MANAGEMENT
CITY AND COUNTY OF HONOLULU
650 SOUTH KING STREET • HONOLULU, HAWAII 96813
PHONE: (808) 723-8960 • FAX: (808) 523-3439

KIRK CALDWELL
MAYOR

MELVIN N. KAKU
DIRECTOR

PETER J.S. HIRAI
DEPUTY DIRECTOR

March 22, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Budget Hearing Questions of March 12, 2013 for Department of Emergency Management

Attached is the response to your questions of March 12, 2013.

Sincerely,

Melvin N. Kaku, Director
Department of Emergency Management

APPROVED:

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Department of Emergency Management
Questions of March 12, 2013

Attachment

Question 1.

List of grants generated and received from the Grant Coordinator position.

Answer:
DEM is currently gathering a list of grants found and awarded by the contractor. This information will be submitted as soon as it is completed.

Question 2.

What is object code 2517 Supplies Not Classified of $5,100 used for?

Answer:

Purchases blank ID badges and printer ribbon for the ID badge printing machine. This is a separate line item to keep accountability on how much we are providing to fund security badges to the City.

Question 3.

Why did the groundskeeper position salary increase from $7,272 in FY 2013 to $15,948 in FY 2014?

Answer:

The salary for this part-time position of $15,948 is reflected correctly in the FY 2014 budget. The salary was understated in the FY 2013 budget.

Question 4.

What are parking fees, travel, meals, and photography budget lines used for?

Answer:

Object code 2356, Other Food: Provides food to activated EOC workers during emergencies or disasters. This precludes workers from leaving to purchase meals.

Object code 2357, Other Food-Volunteers: Provides volunteer meals only during authorized activations while they are on field duty; volunteers are only reimbursed mileage and meals.

Object code 2351, 2353, 2354, Breakfast, Lunch, and Dinner: Union mandated meal allowances for employees on overtime.

Object code 2507, Photography Supplies: Used to provide photographic paper and ribbon for printer to print documentation of emergencies and disasters.

Object codes 3211, 3212, Intrastate and Interstate Travel: Intrastate travel used to have meetings amongst Emergency Management and Civil Defense executives at state and all counties; essential to plan and coordinate multi-jurisdictional issues. Interstate travel used to provide per diem to staff members attending Federally sponsored training at Emergency Management Institute (EMI) in Maryland. FEMA provides airfare, lodging, and ground transportation to the institute; DEM leverages their funds by providing per diem. Participation vastly improves staff coordination and response by providing professional education.

Object code 3822, Parking Fees: Professional Staff and Program Contractors attend many meetings outside of City Square, and they often are required to pay for parking up front. Many of these meetings are Waikiki venues, since it is critical for DEM to work with the visitor industry on key emergency/visitor issues. This line item reimburses staff for parking expenses. Staff attempts to minimize costs by self-parking (vice valet services).

Question 5.

Status of $50,000 line item for Reverse 911 study.

Answer:

DEM is in the process of contracting for a technical and implementation study of a countywide mass emergency notification system. The funds will be obligated by the end of the current fiscal year, and the study should be completed no later than the end of the calendar year.

DEPARTMENT OF ENVIRONMENTAL SERVICES
CITY AND COUNTY OF HONOLULU
1000 ULUOHIA STREET, SUITE 308, KAPOLEI, HAWAII 96707
TELEPHONE: (808) 768-3486 • FAX: (808) 768-3487 • WEBSITE: http://envhonolulu.org

KIRK CALDWELL
MAYOR

LORI M.K. KAHIKINA, P.E.
DIRECTOR

TIMOTHY A. HOUGHTON
DEPUTY DIRECTOR

ROSS S. TANIMOTO, P.E.
DEPUTY DIRECTOR

IN REPLY REFER TO:
WAS 13-064

March 25, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Budget Hearing Questions of March 12, 2013 for the Department of Environmental Services

Attached is the response to your questions of March 12, 2013.

Sincerely,

Lori Kahikina, P.E., Director
Department of Environmental Services

APPROVED:

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Department of Environmental Services
Budget Hearing Questions of March 12, 2013

Attachment

Question 1. Percentage or output of pellets from the digester.

Answer: Output of pellets from the digester is 3,217.72 tons.

Question 2. Percentage of pellets being used?

Answer: 94% of pellets are being used.

Question 3. Percentage of pellets not being used and where is it going?

Answer: 6% of pellets are not being used and are delivered to the Landfill.

Question 4. How much has been expended to date for the second digester?

Answer: In response to your inquiry regarding the amount spent so far toward the Sand Island Wastewater Treatment Plant Solids Handling project, the contracts involved and the amounts are as follows:

Contract #: F92652
Contract project name: Contract for the Operation and Maintenance of an In-Vessel Bioconversion Facility
Contractor: Synagro-WWT, Inc.
Total encumbered from FY10 CIP funds, for planning and design work = $1,550,000.
Billed as of Feb. 2013 = $1,310,000.

Contract #: SC-DDC-1200067
Contract project name: Sand Island Wastewater Treatment Plant (WWTP) Solids Handling
Contractor: Bowers and Kubota Management, Inc.
Total encumbered from FY11 CIP funds, for project mgt/construction mgt work = $474,000.
Billed as of Jan. 2013 = $250,000.

DEPARTMENT OF FACILITY MAINTENANCE

CITY AND COUNTY OF HONOLULU

1000 Ulu`ohia Street, Suite 215, Kapolei, Hawaii 96707
Phone: (808) 768-3343 • Fax: (808) 768-3381
Website: www.honolulu.gov

KIRK CALDWELL
MAYOR

ROSS S. SASAMURA, P.E.
DIRECTOR AND CHIEF ENGINEER

EDUARDO P. MANGLALLAN
DEPUTY DIRECTOR

IN REPLY REFER TO:
13-062

March 25, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Budget Hearing Questions of March 12, 2013 for the Department of Facility Maintenance

Attached is the response to your questions of March 12, 2013.

Sincerely,

Ross S. Sasamura, Director
Department of Facility Maintenance

APPROVED:

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Department of Facility Maintenance
Budget Hearing Questions of March 12, 2013

Attachment

Question 1. What is the percentage of CIP road rehabilitation projects are cash versus bond? How much debt is generated from $150M of road work?

Answer: Of the $150M budgeted in the Rehabilitation of Streets project, $148M is bond-funded (Highway Improvement Bond Fund), and $2M is cash-funded (State Funds).

Based on FY 2014 debt service issuance assumptions, the amount of debt (principal plus interest) generated from $150 million of bonds issued is about $276 million.

Question 2. What is the process to obtain sidewalks in communities that have a need, but the homeowners cannot contribute to the installation?

Answer: Please refer to Attachment A, Improvement District Process. The last column with the heading "City-Initiated Project" details the process to install sidewalks in a community in which the property owners do not initiate the sidewalk project.

Improvement District Process

	Owner-Initiated Project Supported by 60-99% of Property Owners	Owner-Initiated Project Supported by 100% of Property Owners	City-Initiated Project
Initiation ROH Secs. 14-25.1 (a), 14-25.2 (a), and 14-25.3	An owner-initiated improvement district (ID) begins with a petition and preliminary report (see below) filed by the property owners. To be considered, the petition must be supported by property owners with at least 60 percent of the frontage or area to be assessed. Council introduces and approves a resolution adopting the owner's petition.	An owner-initiated improvement district (ID) begins with a petition and a preliminary report (see below) filed by the property owners. In this category, the petition is supported by 100 percent of the property owners of the frontage or area to be assessed. Council introduces and approves a resolution adopting the owner's petition.	A city-initiated improvement district (ID) begins with the ~~city administration~~ City council submitting a proposed resolution to ~~the council,~~ requesting that the director and chief engineer of the department of design and construction ("director") prepare and submit a preliminary report to the council. Council introduces and adopts the administration's resolution.
Preliminary Report ROH Secs. 14-25.1 (a), 14-25.2 (a), and 14-25.3	Petitions must be accompanied by a preliminary report similar to the one prepared by the director and chief engineer of the department of design and construction ("director") (see right). Owners and lessees must pay for and submit surveys, maps, plans and other preliminary data and estimates for the cost of the improvements, including the costs to be paid by the city and the owners/lessees.	Petitions must be accompanied by a preliminary report similar to the one prepared by the director and chief engineer of the department of design and construction ("director") (see right). Owners and lessees must pay for and submit surveys, maps, plans and other preliminary data and estimates for the cost of the improvements, including the costs to be paid by the city and the owners/lessees.	Director prepares report, which includes preliminary surveys, maps, plans, and drawings and such information as the general character of the proposed improvements, their estimated costs, the method of assessment (e.g., frontage or area basis, or both), and the respective costs to be borne by the city and property owners. Report is to be submitted to the council and the neighborhood board(s) for the proposed improvement district.
Resolution to Create, Define and Establish an ID ROH Sec. 14-25.4	After receiving the preliminary report, if the council decides to proceed with establishing an ID, it introduces a resolution creating, defining and establishing the district and requesting the director to submit a final report.	After receiving the preliminary report, if the council decides to proceed with establishing an ID, it introduces a resolution creating, defining and establishing the district and requesting the director to submit a final report.	After receiving the preliminary report, if the council decides to proceed with establishing an ID, it introduces a resolution creating, defining and establishing the district and requesting the director to submit a final report.
Neighborhood Board Presentation ROH Secs. 14-25.1 (b), 14-25.2 (a), and 14-25.3	The director or the director's representative makes a presentation to the neighborhood board(s) in the affected area about the proposed improvement district.	Not necessary.	The director or the director's representative makes a presentation to the neighborhood board(s) in the affected area about the proposed improvement district.

Improvement District Process

	Owner-Initiated Project Supported by 60-99% of Property Owners	Owner-Initiated Project Supported by 100% of Property Owners	City-Initiated Project
Notification and Public Hearing ROH Secs. 14-25.3 and 14-25.4 (b)	The city clerk publishes a notice of a public hearing on the resolution. The public hearing is held during the same council meeting at which the resolution to create, define and establish the improvement district is placed on the council's agenda for adoption. Also, the city mails a notice to the owners and lessees in the proposed ID not less than 10 days before the council meeting.	Not necessary.	The city clerk publishes a notice of a public hearing on the resolution. The public hearing is held during the same council meeting at which the resolution to create, define and establish the improvement district is placed on the council's agenda for adoption. Also, the city mails a notice to the owners and lessees in the proposed ID not less than 10 days before the council meeting. In city-initiated IDs, if the property owners of 100 percent of the land in the district consent to the creating, defining and establishing of the district, the hearing is not required.
Council Action on Resolution ROH Sec. 14-25.4	If the council determines to proceed with the improvement district, the council adopts the resolution to create, define and establish the improvement district.	If the council determines to proceed with the improvement district, the council adopts the resolution to create, define and establish the improvement district.	If the council determines to proceed with the improvement district, the council adopts the resolution to create, define and establish the improvement district.
Final Report Submittal ROH Sec. 14-25.4 (a)	The director submits the final report to the council. Final report includes all material requested by the council in the resolution creating, defining and establishing the district and can include: final plans, drawings, details and specifications for the entire work to be completed.	The director submits the final report to the council. Final report includes all material requested by the council in the resolution creating, defining and establishing the district and can include: final plans, drawings, details and specifications for the entire work to be completed.	The director submits the final report to the council. Final report includes all material requested by the council in the resolution creating, defining and establishing the district and can include: final plans, drawings, details and specifications for the entire work to be completed.
Bid Process ROH Sec. 14-25.6	The director calls for bids for work to be done in the improvement district and conditionally accepts the lowest responsive, responsible and reliable bidder.	The director calls for bids for work to be done in the improvement district and conditionally accepts the lowest responsive, responsible and reliable bidder.	The director calls for bids for work to be done in the improvement district and conditionally accepts the lowest responsive, responsible and reliable bidder.

Improvement District Process

	Owner-Initiated Project Supported by 60-99% of Property Owners	Owner-Initiated Project Supported by 100% of Property Owners	City-Initiated Project
Notification and Publi c Hearing (if needed) ROH Sec. 14-25.8 (a)	If the winning bid for the construction of the improvements results in: substantial changes to the frontage or area to be assessed; a material alteration in the general character or plan of improvements; or the total amount of assessments against all properties within the ID exceeds the initial total assessment by more than 10 percent, another public hearing is held. The same procedure for publishing a notice of the public hearing and mailing a notice to the owners and lessees (noted in notification and public hearing, above), is followed.	If the winning bid for the construction of the improvements results in: substantial changes to the frontage or area to be assessed; a material alteration in the general character or plan of improvements; or the total amount of assessments against all properties within the ID exceeds the initial total assessment by more than 10 percent, another public hearing is held. The same procedure for publishing a notice of the public hearing and mailing a notice to the owners and lessees (noted in notification and public hearing, above), is followed.	If the winning bid for the construction of the improvements results in: substantial changes to the frontage or area to be assessed; a material alteration in the general character or plan of improvements; or the total amount of assessments against all properties within the ID exceeds the initial total assessment by more than 10 percent, another public hearing is held. The same procedure for publishing a notice of the public hearing and mailing a notice to the owners and lessees (noted in notification and public hearing, above), is followed.
Assessment Map and Assessment Roll ROH Sec. 14-25.8 (b)	The director prepares an assessment map, showing the location of the proposed improvements, and an assessment roll, showing the amount to be assessed against each property in the proposed ID.	The director prepares an assessment map, showing the location of the proposed improvements, and an assessment roll showing the amount to be assessed against each property in the proposed ID.	The director prepares an assessment map, showing the location of the proposed improvements, and an assessment roll showing the amount to be assessed against each property in the proposed ID.
Assessment Bill ROH Sec. 14-26.1 (a)	Assessment bill is introduced. The bill sets forth the cost of the improvements to the ID, fixes the portion of the costs to be assessed against the properties in the ID, imposes a lien against each parcel of land in the district, sets forth the total number of annual installments over which the assessments are to be paid if the property owner chooses to pay in installments and establishes the rate of interest to be assessed against property owners who pay in installments.	Assessment bill is introduced. The bill sets forth the cost of the improvements to the ID, fixes the portion of the costs to be assessed against the properties in the ID, imposes a lien against each parcel of land in the district, sets forth the total number of annual installments over which the assessments are to be paid if the property owner chooses to pay in installments and establishes the rate of interest to be assessed against property owners who pay in installments.	Assessment bill is introduced. The bill sets forth the cost of the improvements to the ID, fixes the portion of the costs to be assessed against the properties in the ID, imposes a lien against each parcel of land in the district, sets forth the total number of annual installments over which the assessments are to be paid if the property owner chooses to pay in installments and establishes the rate of interest to be assessed against property owners who pay in installments.

Improvement District Process

	Owner-Initiated Project Supported by 60-99% of Property Owners	Owner-Initiated Project Supported by 100% of Property Owners	City-Initiated Project
Notification and Public Hearing/ Assessment Hearing ROH Sec. 14-26.1 (a)	The city clerk publishes a notice of a public hearing and mails a notice at least 10 days before the hearing to all owners and lessees in the ID. The council holds a public hearing ("assessment hearing") at which the property owners in the ID may object to the proposed assessments against their properties. The hearing is held at the same council meeting at which the assessment bill is first placed on the council agenda for passage on second reading.	Not necessary if 100 percent of owners and lessees consent to the amount and apportionment of the assessments.	The city clerk publishes a notice of a public hearing and mails a notice at least 10 days before the hearing to all owners and lessees in the ID. The council holds a public hearing ("assessment hearing") at which the property owners in the ID may object to the proposed assessments against their properties. The hearing is held at the same council meeting at which the assessment bill is first placed on the council agenda for passage on second reading. Assessment hearing is unnecessary if 100 percent of owners and lessees consent to the amount and apportionment of the assessments.
Council Action and Bill Becomes Ordinance ROH Sec. 14-26.1 (b) and RCH Sec. 3-202.7	Under the city charter, the assessment bill, which becomes the ordinance fixing assessments, must pass second, as well as final reading, by roll call vote. If the bill is signed by the mayor and enacted as an ordinance, the portions of the improvement district costs to be assessed against the property owners are fixed and a lien against their properties is imposed.	Under the city charter, the assessment bill, which becomes the ordinance fixing assessments, must pass second, as well as final reading, by roll call vote. If the bill is signed by the mayor and enacted as an ordinance, the portions of the improvement district costs to be assessed against the property owners are fixed and a lien against their properties is imposed.	Under the city charter, the assessment bill, which becomes the ordinance fixing assessments, must pass second, as well as final reading, by roll call vote. If the bill is signed by the mayor and enacted as an ordinance, the portions of the improvement district costs to be assessed against the property owners are fixed and a lien against their properties is imposed.
Notification and Payment ROH Secs. 14-26.2 - 14-26.5	The director of budget and fiscal services notifies the property owners and lessees by mail of the amounts to be assessed against their respective properties and when the assessments are payable. The owners/lessees must pay the assessments either within 30 days of the effective date of the assessment ordinance, or they may pay their assessments in accordance with the agreed installment schedule.	The director of budget and fiscal services notifies the property owners and lessees by mail of the amounts to be assessed against their respective properties and when the assessments are payable. The owners/lessees must pay the assessments either within 30 days of the effective date of the assessment ordinance, or they may pay their assessments in accordance with the agreed installment schedule.	The director of budget and fiscal services notifies the property owners and lessees by mail of the amounts to be assessed against their respective properties and when the assessments are payable. The owners/lessees must pay the assessments either within 30 days of the effective date of the assessment ordinance, or they may pay their assessments in accordance with the agreed installment schedule.

HONOLULU FIRE DEPARTMENT

CITY AND COUNTY OF HONOLULU

636 South Street
Honolulu, Hawaii 96813-5007
Phone: 808-723-7139 Fax: 808-723-7111 Internet: www.honolulu.gov/hfd

KIRK CALDWELL
MAYOR

MANUEL P. NEVES
FIRE CHIEF

LIONEL CAMARA JR.
DEPUTY FIRE CHIEF

March 28, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Question of March 13, 2013, for the Honolulu Fire Department

Attached is the response to your question of March 13, 2013.

Should you have questions, please contact Assistant Chief Roy Murakami of our Administrative Services Bureau at 723-7104 or rmurakami2@honolulu.gov.

Sincerely,

MANUEL P. NEVES
Fire Chief

Attachment

APPROVED:

Nelson H. Koyanagi Jr., Acting Director
Department of Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Honolulu Fire Department (HFD)
Question of March 13, 2013

Attachment

Question: Cost of a trail or ocean rescue.

Answer: The HFD does not capture residency or visitor information on rescued persons. The following is a breakdown of the HFD's resource cost per hour, which would be multiplied by the hours spent mitigating a mountain or ocean rescue to obtain the total cost of a particular event:

Company Type	Cost/hour
Engine	$ 210
Rescue	280
Helicopter	325
Tender	130
Battalion Chief w/Aide	70
Total	$1,015

DEPARTMENT OF INFORMATION TECHNOLOGY

CITY AND COUNTY OF HONOLULU

650 SOUTH KING STREET, 5TH FLOOR
HONOLULU, HAWAII 96813
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KIRK CALDWELL
MAYOR

KEITH G. H. HO
ACTING DIRECTOR

March 25, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Budget Hearing Question of March 13, 2013 for the Department of Information Technology

Attached is the response to your question of March 13, 2013.

Sincerely,

Keith G. H. Ho, Acting Director
Information Technology

Attachment

APPROVED:

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Department of Information Technology (DIT)
Budget Hearing Question of March 13, 2013

Attachment

Question to DIT:

Status of HPD radio deadspots.

Question restated based on our understanding:

Are there any spots on the island that does not have radio connection?

Answer:

Although we try to provide radio connectivity to most of the populated areas, there will be spots on the island with no connectivity depending on the terrain and the structure of the building. There also may be short unpopulated stretches of road that may be spotty. We are working with HPD and HFD to prioritize some areas of concerns; such as, Kahuku, Kahaluu and the Makapuu light house areas.

DEPARTMENT OF PARKS & RECREATION

CITY AND COUNTY OF HONOLULU

1000 Uluohia Street, Suite 309, Kapolei, Hawaii 96707
Phone: (808) 768-3003 • Fax: (808) 768-3053
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KIRK CALDWELL
MAYOR

TONI P. ROBINSON
DIRECTOR DESIGNATE

JEANNE C. ISHIKAWA
DEPUTY DIRECTOR

March 27, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Budget Hearing Questions of March 13, 2013

Attached is the response to your questions of March 13, 2013.

Sincerely,

Toni P. Robinson

Toni P. Robinson, Director
Parks and Recreation

APPROVED:

Nelson Koyanagi

Nelson H. Koyanagi Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Attachment

Operating Budget Questions

Question 1.
Hanauma Bay visitor statistics (Kamaaina vs Visitors, etc.)

Answer:
In FY12, there were 758,564 visitors to Hanauma Bay of which 643,903 were out-of-state visitors and 114,661 were residents. In FY13 (July 1, 2012 to February 28, 2013), there were 506,026 visitors of which 431,275 were out-of-state visitors and 74,751 were residents.

Question 2.
Status of lighting issue with Kapaolono Park in Kaimuki.

Answer:
Lighting projects are expensive and we currently have 16 locations requiring lighting repairs. At this time, Kapaolono Park is not included in the budget.

Question 3.
Follow up on resurfacing schedule at Diamond Head Tennis Center.

Answer:
All of the tennis courts (10) at the Diamond Head Tennis Center were resurfaced in 2011. The only court that was not resurfaced was the small paddle ball court with backboard.

Question 4.
Park on Seaside and Aloha. Can a community garden work there?

Answer:
We do not believe this is a suitable site for a community garden. The conceptual master plan for this property does not include a community garden. Additionally, there are already two existing community gardens nearby - Diamond Head Community Garden on Leahi Avenue in Kapiolani Park and Ala Wai Community Garden near Ala Wai Community Park. Both of these gardens have short waiting lists and regularly accept new gardeners.

Question 5.
Status of Banyan Tree Park sale.

Answer:
Banyan Court Mall was sold to the Hawaii Conference Foundation for $220,000. The deed was recorded on February 6, 2013.

Question 6.
Thoughts on the possibility of changing Makalapa Park to another purpose?

Answer:
According to the Quitclaim Deed which was recorded on August 22, 1968, the land may only be used and maintained as a public park and public recreation area. The deed also specifies that City may not sell, lease, or otherwise dispose of the property except to another local governmental agency that the Secretary of the Interior is satisfied can assure the continued use and maintenance of the property for a public park for recreational purposes.

Question 7.
With respect to potential gifts for pool renovations, provide list of pools and needed repairs/renovations.

Answer:

Pools	District	Size	Pool Heater	Shower Heater	Status
Aiea District Park Pool	2	25yd x 50'			
Booth District Park Pool	2	25yd x 11yd			
Kailua District Park Pool	4	50 m x 76'	Not working	Not working	Problems are currently being assessed.
Kalihi Valley Recreation Center Pool	2	50m x 25yd	Not working		To be Repaired 3/21/13
Kaneohe District Park Pool	4	50m x 20yd			
Kanewai Community Park Pool	1	25yd x 11yd			
Kapaolono Community Pool	1	25yd x 11yd			
Makakilo Community Park Pool	3	20yd x10yd			
Makiki District Park Pool	2	25yd x 14yd			
Manana Neighborhood Park Pool	3	25yd x 11yd			
Manoa Valley District Park Pool	1	50m x 56'		Not working	Gift to repair

Pools	District	Size	Pool Heater	Shower Heater	Status
McCully District Park Pool	1	25yd x 15yd			Tentative open date is April 2013
Moanalua Comm Park Pool	2	20yd x 10yd	Not working		Need Heat Pump ($30K)
Palolo District Park Pool	1	50m x 25yd	Not working		Problem is currently being assessed.
Pearl City Recreational Center Pool	3	25yd x 14yd			Closed for renovations to facilities; tentative open date April 2013
Salt Lake District Park Pool	2	50m x 25yd			
Veteran's Memorial Aquatic Center (CORP)	5	50m x 10 lanes			
Wahiawa District Park Pool	3	25yd x 15yd			Currently being re-tiled
Waialua District Park Pool	4	20yd x 14yd			
Waikele Community Park Pool	3	25yd x 50'			
Waipahu District Park Pool	3	25yd x 14yd			

Question 8.
Total number of dog parks, locations and future plans.

Answer:
We currently have dog parks at three sites; Moanalua Community Park, Mililani Mauka Park and Ride, and Hawaii Kai Park and Ride. We are currently in discussions with community groups regarding possible locations for dog parks at Kawaiahao Mini Park, Mauumae Nature Park, and Ala Wai Community Park – adjacent to the Ala Wai Community Garden.

Question 9.
When did the use of Synagro pellets, as reported by ENV, begin and at which parks are they being used?

Answer:
We first started using the Synagro pellets in 2009. We have used them at Patsy T. Mink Central Oahu Regional Park, Waipio Soccer Complex, Kapiolani Regional Park, Waialae Iki Neighborhood Park, Kuhio Beach Park, and Ala Wai Community Park.

Question 10.
$80,000 for torchlighting. Supposed to be paid by the Waikiki Improvement Assn.

Answer:
No, the agreement is that the City will pay for the fuel charges for the torch lighting, hula halau performances, and other activities deemed appropriate by the City.

Question 11.
Why is $102,000 for media equipment at Hanauma Bay repeated in FY13 and FY14.

Answer:
The $102,000 was not expended in FY 2013. We were having issues with procurement of the services because a consultant was required. The $102,000 was placed in the FY 2014 budget and we expect the bid to be issued in FY 2014

CIP Budget Questions

Question 1.
List of parks with status of planned repairs and renovations.

Answer:

District	Projects
1	Kaimuki Community Park: Gym/multipurpose building roof imporvements Petrie Community Park: Recreation building roof improvements
2	Ala Moana Diamond Head Concession: Roof improvements Booth District Park: Gym roof improvements Aiea District Park: Gym roof improvements Lanakila District Park: Roof improvements
3	Mililani District Park: Gymnasium roof improvements Mililani District Park: Multipurpose room rof improvements Waianae District Park: Gym and arts and crafts room roof improvements
4	Waialua District Park: Gymnasium roof improvements Kaneohe District Park and Senior Center: Roof improvements Kualoa Regional Park: Maintenance building roof improvements Kahuku District Park: Field lighting improvements
5	Hans L'Orange Neighborhood Park: Irrigation system improvements Hans L'Orange Neighborhood Park: Replace play apparatus Waipio Peninsula Soccer Complex: Irrigation system improvements

Question 2.
Status of play apparatus at Mokauea St. mini park

Answer:
The Mokauea Street Mini Park project scope is being evaluated within the project's budget.

Question 3.
Status of Cultural Arts Center; appropriated funds will be lapsing.

Answer:
The Administration is reviewing and analyzing the feasibility of the Oahu Arts Center, including alternative funding sources, site location, utilization by the community, construction costs and revenue generation to support operating costs.

DEPARTMENT OF PLANNING AND PERMITTING
CITY AND COUNTY OF HONOLULU
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KIRK CALDWELL
MAYOR

GEORGE I. ATTA, FAICP
DIRECTOR DESIGNATE

ARTHUR D. CHALLACOMBE
DEPUTY DIRECTOR

March 27, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT: Budget Hearing Question of March 13, 2013 for the Department of Planning and Permitting

Attached is the response to your questions of March 13, 2013.

Sincerely,

George I. Atta

George I. Atta, Director Designate
Department of Planning and Permitting

APPROVED:

Nelson Koyanagi

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

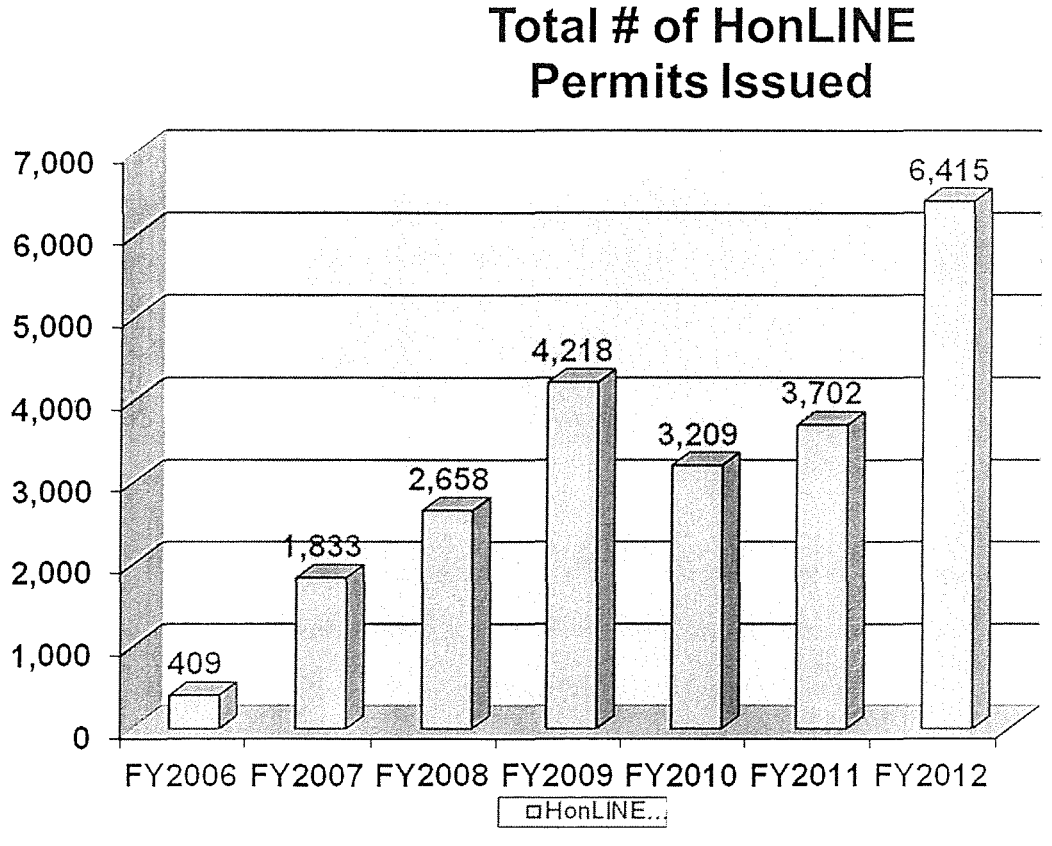
Ember Lee Shinn
Managing Director

Attachment

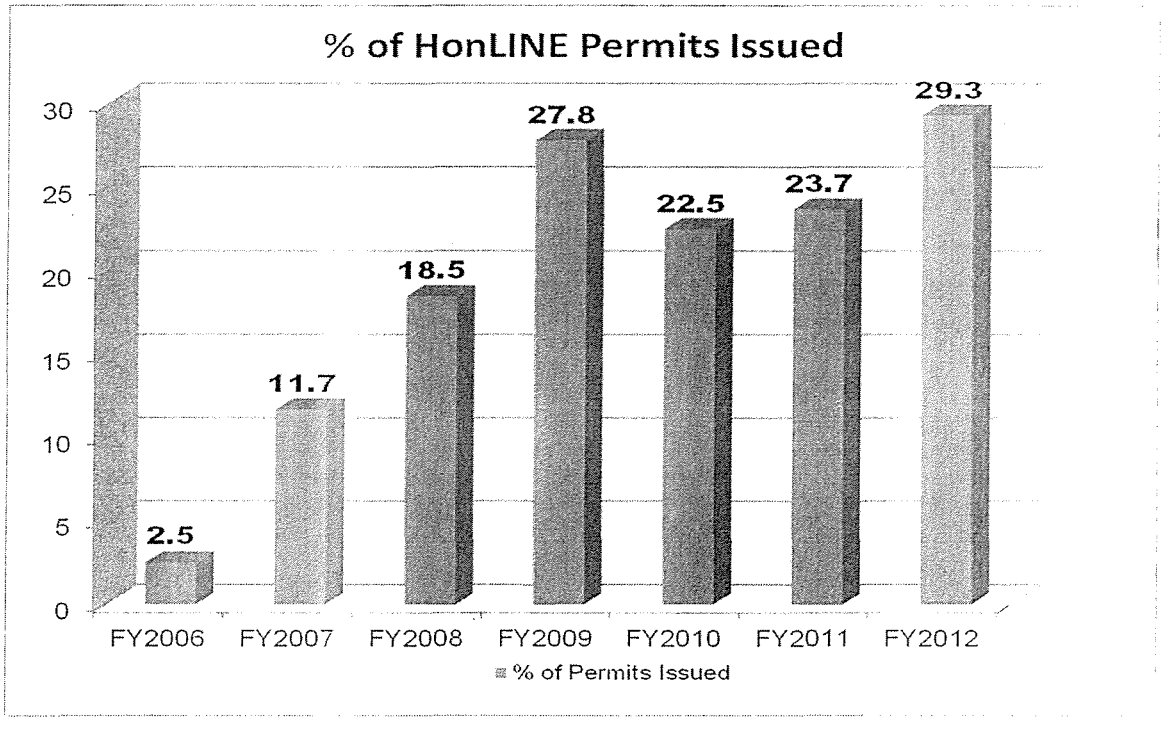
Question 1. Quantify the improvements made by using online permit processing.

Answer:

1. Here are measures showing the increases in # of permits issued On-Line:



2. Measure of the % of the HonLINE permits issued to the total # of permits issued.



Question 2. Unmaintained properties. How big of an initial fund would be needed to initiate a revolving fund to be used for unkept properties?

Answer:

DPP does not believe the creation of a special revolving fund for unkept properties is helpful in improving enforcement at this time. Presently, enforcement of lot overgrowth is done through its civil fine regulations. With the exception of a few well known cases, enforcement through civil fines and liens have been generally successful in persuading most homeowners to properly maintain their properties.

For chronic problem properties, the DPP supports the passage of Bill 3 that would increase civil fines in a Notice of Order to a maximum of $5,000 per day for overgrowth violations. We believe this measure will serve as a sufficient deterrent to those property owners who ignore the DPP's Notice of Order to correct the violations.

DEPARTMENT OF TRANSPORTATION SERVICES
CITY AND COUNTY OF HONOLULU
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KIRK CALDWELL
MAYOR

MICHAEL D. FORMBY
DIRECTOR

MARK N. GARRITY, AICP
DEPUTY DIRECTOR

March 28, 2013

The Honorable Ann H. Kobayashi, Chair
and Members of the Budget Committee
Honolulu City Council
530 South King Street, Room 202
Honolulu, Hawaii 96813

Dear Chair Kobayashi and Councilmembers:

SUBJECT : Follow Up Questions
Relating to Budget Committee Fiscal Year 2014
Annual Budget Briefings

Attached is the response to your questions of March 14, 2013.

Sincerely,

Michael D. Formby
Director

APPROVED:

Nelson H. Koyanagi, Jr., Acting Director
Budget and Fiscal Services

APPROVED:

Ember Lee Shinn
Managing Director

Attachment

Question: Electricity costs increase substantially. Are there plans for sustainable energy projects?

Answer:

The increase in electricity costs in the FY 2014 budget is largely attributable to the transfer of electricity costs totaling $239,848 from the Traffic Signals and Technology and Public Transit activities to the Provision for Energy Costs in FY 2013.

To keep the cost of electricity to a minimum, the City's traffic signal lights are utilizing the latest LED technology for maximum power savings. The City also installed a photo voltaic system on the Pearl City TheBus maintenance facility, after it was determined to be cost effective.

As other facilities are being considered, the Department is looking into the use of renewable energy such as solar, photo-voltaic, and co-generation. Furthermore, the City has an ordinance for qualifying facilities (such as the Joint Traffic Management Center) to be LEED Silver as a minimum design standard.

Question: Send report for total number of positions filled in FY 2012.

Answer:

In FY 2012 the Department of Transportation filled 20 positions. However, we lost 16 for a net gain of four (4).

July 1, 2012 to June 30, 2013			***FY 2012***	
Department Summary	*Pos Count*	*Vacancies*	*Hired*	*Loss*
Administration	*9*	*1*	*2*	*1*
Traffic Engineering	*28*	*7*	*8*	*5*
Transportation Planning	*19*	*7*	*3*	*1*
Traffic Signal & Technology	*34*	*12*	*3*	*3*
Public Transit	*25*	*12*	*2*	*4*
UPASS	*2*	*2*	*2*	*2*
	117	***41***	***20***	***16***

Question: Report on the number of employees anticipated to retire this year.

Answer:

In FY 2013 the Department of Transportation Services had two (2) retirements. The positions are in Traffic Signals and Technology and Traffic Engineering. There

have been no further notices of retirement in FY 2013, but we estimate between 5 -10 retirements by the end of this calendar year.

Question: Respond whether the total vacancies of 29 to be filled is the net or total.

Answer:

Net of funded vacancies. As indicated in our Budget Presentation on March 14, 2013, we have 29 funded vacancies for FY 2014. We intend to fill 14 of the 29 in FY 2013 and 15 of 29 in FY 2014.

	Positions
Vacant Positions as of 2/6/2013	39
Vacancy Cutback (unfunded)	-10
Funded Vacancies	29

Disposition of funded vacancies:	
To be filled before July 1, 2013	14
To be filled in FY 2014	15

Director Formby prioritizes the filling of vacancies as essential to DTS providing the level of policy, operations and management oversight necessary to improve TheBus and HandiVan operations, improve response time to traffic engineering questions and concerns, deliver the Joint Traffic Management Center on-time in FY 2016 and usher in the era of Complete Streets and inter-modal operations between TheBus and Rail.

Question: Object code 3049 for the Human Services Coordinator. Provide a better breakdown and explanation of the amounts. Also notate if it includes salaries.

Answer:

Rather than a position description ("Coordinator"), the project referred to in Object Code 3049 is the City's Human Services Transportation Coordination Program (HSTCP). The purpose of the HSTCP is to help improve transportation services for the elderly, persons with disabilities, and persons with low incomes. Through the program, City and private matching funds from participating agencies will be combined with Federal Transit Administration (FTA) grants to fund coordinated transportation projects. DTS' FY 14 budget request for the HSTCP consists of $630,134 in FTA 5316 and 5317 grant funds and $774,128 in FY 2014 local for a total of $1,404,262 to fund the following projects:

- Agency-Provided Trips: Operation of a transportation service by social service agencies for their clients who would otherwise use TheHandi-Van for these trips.

Agency participants currently include Goodwill Industries of Hawaii and The Salvation Army. FY 2014 funds will be used to continue the existing arrangements and to expand the project to include 1 or 2 new agency participants.

- Local Shuttle Service: Operation of a shuttle service by Goodwill Industries of Hawaii to provide mid-day and evening trips between the Kalaeloa transitional shelters and the Kapolei Transit Center. The shuttle provides low-income residents with access to TheBus for work-related trips and complements the morning and evening peak hour service provided by TheBus. FY 2014 funds will be used to continue the existing service.
- Mobility Management: Consultant retained to assist DTS in managing the FTA grants funding the City's coordinated transportation projects. These services include grant writing and reporting, providing technical support to establish agencies as transportation providers, monitoring and oversight of the resulting projects, and providing training for individuals able to use TheBus instead of TheHandi-Van for their transportation needs. FY 2014 funds will be used to continue the existing consultant contract.

Question: Submit the most recently completed traffic signal timing study from 2009 as well as the latest study upon its completion.

Answer:
See enclosed.

Question: Of the 1500 traffic studies conducted by the Traffic Engineering Division, please provide the number of those generated by State Legislators v. City Council requests.

Answer:
Of the 1500 traffic studies, approximately 10% are generated by requests from state legislators (150) and 14% are a result of city council requests (204). The other 76% come from the general public directly or through the City's Customer Services Department, Neighborhood boards, inter and intra departmentally as well as from the State.

Question: Comment on food and meal being budgeted.

Answer:
Object Code 2356-Other food is allowed under BFS Policy Index Code 11.2. In the past this line item has been used for refreshments for DTS sponsored meetings with various groups, organizations, no-profits and others. Most recently in FY 2013 nearly

$700 was used by the Administration to cover the costs for Neal Blaisdell Catering Center (Centerplate) for pastry, coffee, tea and water during a Complete Streets Seminar hosted by DTS.

Regarding Object Codes 2352 Meals-Breakfast, 2353 Meals-Lunch and 2354 Meals-Dinner, under collective bargaining, staff who work overtime are entitled to a meal allowance.

Question: Comment on the increase in Parts & Accessories, Supplies Not Classified, and Electricity.

Answer:

Parts and Accessories – Communication Equipment (#2751): Decrease of $5,000 from FY 2013. FY 2014 budget = $25,000 which consists of $10,000 for the Public Transit Division radio project and $15,000 for OTS for the last phase of the IP phone system conversion. OTS anticipates that annual maintenance will be reduced by $51,000 with this new phone system.

Parts and Accessories – Computer Equipment (#2756): Same budget as FY 2013. FY 2014 budget = $107,000, which consists of $3,000 for PTD for miscellaneous computer equipment, and $104,000 for OTS ($91,000 for 70 PC's and $13,000 for 10 PC workstation upgrades). Per OTS, the workstations that are due for replacement have in-service dates ranging from 2005-2007.

Parts and Accessories – Other Equipment (#2759): Increase of $92,700 from FY 2013. FY 2014 budget = $122,700. This is for OTS' LED lighting retrofit for their Admin Building to replace current inefficient F12 fluorescent fixtures with lower energy consumption lighting. OTS estimates a 60% energy savings. Per OTS, high efficiency LED lighting delivers an estimated payback in less than 1 year in a typical office installation. Annual anticipated 60% savings is $183,211 and 610,704 kilowatts.

Supplies Not Classified (#2517): Increase of $5,000 from FY 2013. FY 2014 Budget = $9,200. Increase is due to maintenance and repair of bus stop facilities for service and volunteer program (i.e., graffiti cleaner, trash bags, glove, buckets, cleaning cloths, etc.)

Electricity (#3302): Large increase of $2,216,567 from FY 2013 is due to recording OTS' electricity in object code 3070 (Services – OTS Operations) in FY 2013. Electricity for OTS was budgeted in a separate account for FY 2014 to be eligible for the Energy Provisional. In FY 2013, only PTD's electricity for the Transit Centers was recorded in this account. OTS' FY 2013 electricity, budgeted in object code 3070, was $2,345,113. FY 2014 budget = $2,242,186. $87,000 is for PTD and $2,155,186 is for OTS.

City and County of Honolulu
Traffic Signal Timing Optimization
Federal Aid No. STP-0001(22)

Final Report

August, 2010

Prepared for:

City and County of Honolulu
Department of Transportation Services
650 South King Street
Honolulu, HI 96813

Prepared by:

KOA CORPORATION
PLANNING & ENGINEERING
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JA83054

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APPENDIX K – TRAFFIC TURNING VOLUME COUNTS

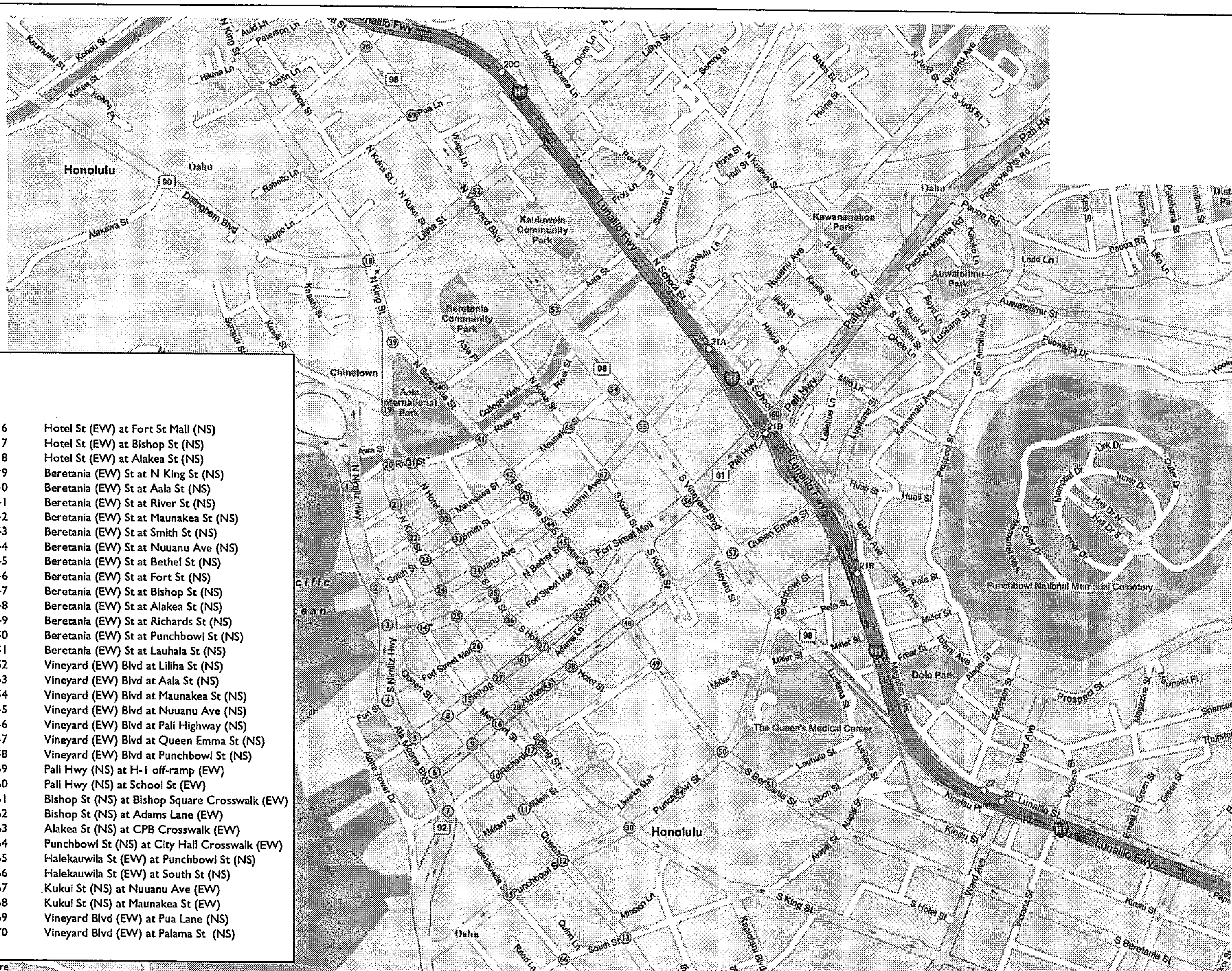
1. INTRODUCTION

The City and County of Honolulu identified four study areas, comprising of 159 intersections, that experienced heavy traffic congestion and needed traffic signal timing improvements. The City and County of Honolulu also requested an evaluation of "Flashing Don't Walk" (FDW) duration to comply with the recently adopted 2009 Manual on Uniform of Traffic Control Devices (MUTCD) handbook. The number of intersections in each area are as following:

- Downtown Study Area (68 traffic signals)
- Makiki Study Area (68 traffic signals)
- Mililani Study Area (7 traffic signals)
- Kapolei Study Area (16 traffic signals)

KOA Corporation was selected as the consultant to conduct a traffic signal coordination study for the above areas. Figure 1 through 4 illustrates the study intersection locations for the four districts. The project scope included obtaining traffic turning movement counts, ADT analysis, evaluation of existing conditions, identification of problematic locations and potential improvement, development and calibration of Synchro network, development of timing plan for each peak period of the day, field implementation and fine-tuning of proposed timing plans, travel time and delay studies, and submission of project documents.

Implementation and fine-tuning of proposed timing plans were completed in March of 2010.



LEGEND

1	Nimitz Hwy (EW) at River St (NS)	36	Hotel St (EW) at Fort St Mall (NS)
2	Nimitz Hwy (EW) at Smith St (NS)	37	Hotel St (EW) at Bishop St (NS)
3	Nimitz Hwy (EW) at Nuuanu Ave / Bethel St (NS)	38	Hotel St (EW) at Alakea St (NS)
4	Nimitz Hwy (EW) at Fort St (NS)	39	Beretania (EW) St at N King St (NS)
5	Nimitz Hwy (EW) at Bishop St (NS)	40	Beretania (EW) St at Aala St (NS)
6	Nimitz Hwy (EW) at Alakea St (NS)	41	Beretania (EW) St at River St (NS)
7	Nimitz Hwy (EW) at Halekauwila St (NS)	42	Beretania (EW) St at Maunakea St (NS)
8	Queen St (EW) at Bishop St (NS)	43	Beretania (EW) St at Smith St (NS)
9	Queen St (EW) at Alakea St (NS)	44	Beretania (EW) St at Nuuanu Ave (NS)
10	Queen St (EW) at Richards St (NS)	45	Beretania (EW) St at Bethel St (NS)
11	Queen St (EW) at Mililani St (NS)	46	Beretania (EW) St at Fort St (NS)
12	Queen St (EW) at Punchbowl St (NS)	47	Beretania (EW) St at Bishop St (NS)
13	Queen St (EW) at South St (NS)	48	Beretania (EW) St at Alakea St (NS)
14	Merchant St (EW) at Bethel St (NS)	49	Beretania (EW) St at Richards St (NS)
15	Merchant St (EW) at Bishop St (NS)	50	Beretania (EW) St at Punchbowl St (NS)
16	Merchant St (EW) at Alakea St (NS)	51	Beretania (EW) St at Lauhala St (NS)
17	Merchant St (EW) at Richards St (NS)	52	Vineyard (EW) Blvd at Liliha St (NS)
18	King St (EW) at Dillingham Blvd / Liliha St (NS)	53	Vineyard (EW) Blvd at Aala St (NS)
19	King St (EW) at Iwilei Rd (NS)	54	Vineyard (EW) Blvd at Maunakea St (NS)
20	King St (EW) at River St (NS)	55	Vineyard (EW) Blvd at Nuuanu Ave (NS)
21	King St (EW) at Kekaulike St (NS)	56	Vineyard (EW) Blvd at Pali Highway (NS)
22	King St (EW) at Maunakea St (NS)	57	Vineyard (EW) Blvd at Queen Emma St (NS)
23	King St (EW) at Smith St (NS)	58	Vineyard (EW) Blvd at Punchbowl St (NS)
24	King St (EW) at Nuuanu Ave (NS)	59	Pali Hwy (NS) at H-1 off-ramp (EW)
25	King St (EW) at Bethel St (NS)	60	Pali Hwy (NS) at School St (EW)
26	King St (EW) at Fort St Mall (NS)	61	Bishop St (NS) at Bishop Square Crosswalk (EW)
27	King St (EW) at Bishop St (NS)	62	Bishop St (NS) at Adams Lane (EW)
28	King St (EW) at Alakea St (NS)	63	Alakea St (NS) at CPB Crosswalk (EW)
29	King St (EW) at Richards St (NS)	64	Punchbowl St (NS) at City Hall Crosswalk (EW)
30	King St (EW) at Punchbowl St (NS)	65	Halekauwila St (EW) at Punchbowl St (NS)
31	Hotel St (EW) at River St (NS)	66	Halekauwila St (EW) at South St (NS)
32	Hotel St (EW) at Maunakea St (NS)	67	Kukui St (NS) at Nuuanu Ave (EW)
33	Hotel St (EW) at Smith St (NS)	68	Kukui St (NS) at Maunakea St (EW)
34	Hotel St (EW) at Nuuanu Ave (NS)	69	Vineyard Blvd (EW) at Pua Lane (NS)
35	Hotel St (EW) at Bethel St (NS)	70	Vineyard Blvd (EW) at Palama St (NS)

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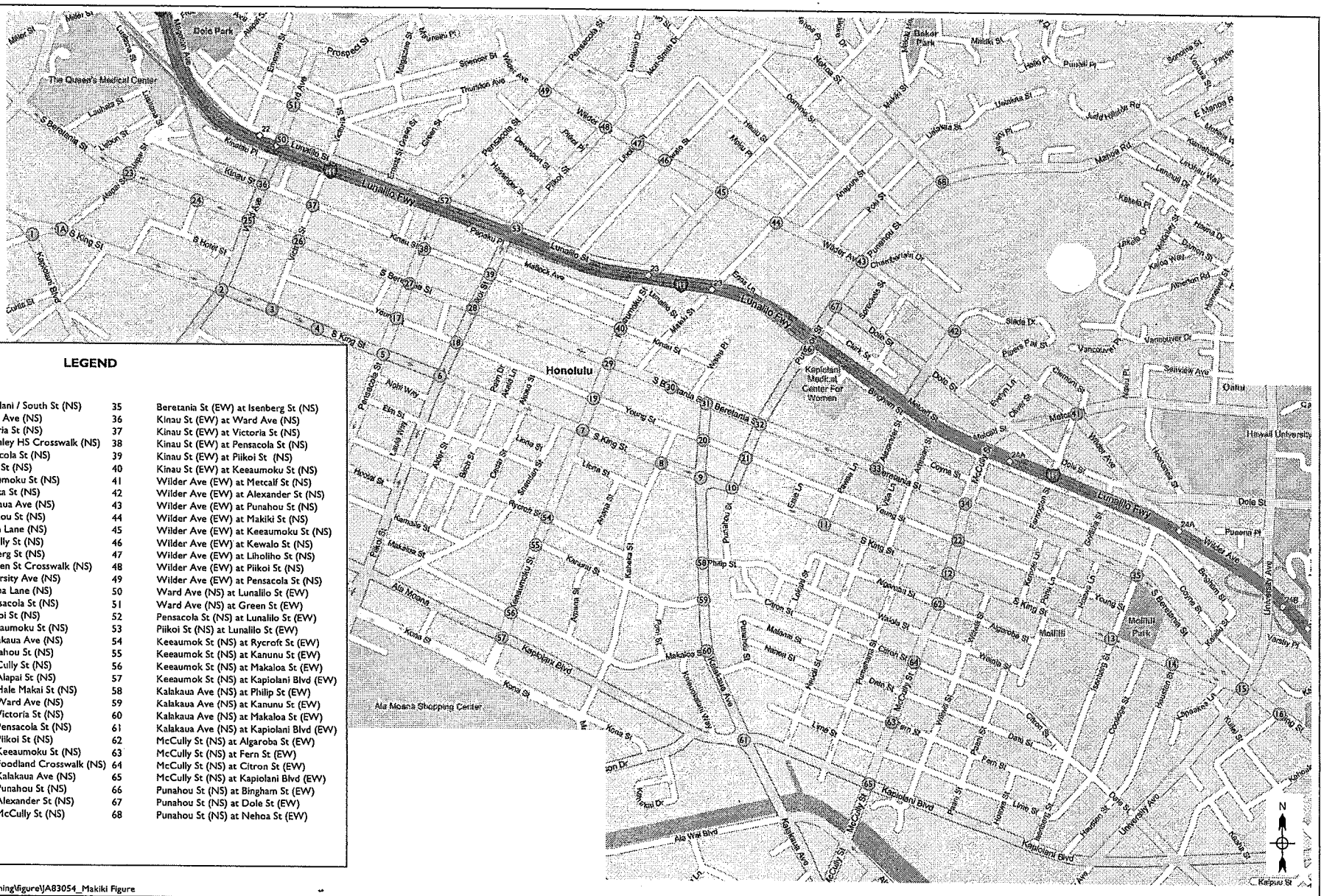
KOA CORPORATION
PLANNING & ENGINEERING

City and County of Honolulu

Transportation Management Program Traffic Signal Optimization, Phase II Project

Figure 1

Downtown Location Map



LEGEND

1	King St (EW) at Kapiolani / South St (NS)	35	Beretania St (EW) at Isenberg St (NS)
2	King St (EW) at Ward Ave (NS)	36	Kinau St (EW) at Ward Ave (NS)
3	King St (EW) at Victoria St (NS)	37	Kinau St (EW) at Victoria St (NS)
4	King St (EW) at McKinley HS Crosswalk (NS)	38	Kinau St (EW) at Pensacola St (NS)
5	King St (EW) at Pensacola St (NS)	39	Kinau St (EW) at Piikoi St (NS)
6	King St (EW) at Piikoi St (NS)	40	Kinau St (EW) at Keeaumoku St (NS)
7	King St (EW) at Keeaumoku St (NS)	41	Wilder Ave (EW) at Metcalf St (NS)
8	King St (EW) at Kaheka St (NS)	42	Wilder Ave (EW) at Alexander St (NS)
9	King St (EW) at Kalakaua Ave (NS)	43	Wilder Ave (EW) at Punahou St (NS)
10	King St (EW) at Punahou St (NS)	44	Wilder Ave (EW) at Makiki St (NS)
11	King St (EW) at Pawaa Lane (NS)	45	Wilder Ave (EW) at Keeaumoku St (NS)
12	King St (EW) at McCully St (NS)	46	Wilder Ave (EW) at Kewalo St (NS)
13	King St (EW) at Isenberg St (NS)	47	Wilder Ave (EW) at Liholiho St (NS)
14	King St (EW) at Hausten St Crosswalk (NS)	48	Wilder Ave (EW) at Piikoi St (NS)
15	King St (EW) at University Ave (NS)	49	Wilder Ave (EW) at Pensacola St (NS)
16	King St (EW) at Kahuna Lane (NS)	50	Ward Ave (NS) at Lunalilo St (EW)
17	Young St (EW) at Pensacola St (NS)	51	Ward Ave (NS) at Green St (EW)
18	Young St (EW) at Piikoi St (NS)	52	Pensacola St (NS) at Lunalilo St (EW)
19	Young St (EW) at Keeaumoku St (NS)	53	Piikoi St (NS) at Lunalilo St (EW)
20	Young St (EW) at Kalakaua Ave (NS)	54	Keeaumok St (NS) at Rycroft St (EW)
21	Young St (EW) at Punahou St (NS)	55	Keeaumok St (NS) at Kanunu St (EW)
22	Young St (EW) at McCully St (NS)	56	Keeaumok St (NS) at Makaloa St (EW)
23	Beretania St (EW) at Alapai St (NS)	57	Keeaumok St (NS) at Kapiolani Blvd (EW)
24	Beretania St (EW) at Hale Makai St (NS)	58	Kalakaua Ave (NS) at Philip St (EW)
25	Beretania St (EW) at Ward Ave (NS)	59	Kalakaua Ave (NS) at Kanunu St (EW)
26	Beretania St (EW) at Victoria St (NS)	60	Kalakaua Ave (NS) at Makaloa St (EW)
27	Beretania St (EW) at Pensacola St (NS)	61	Kalakaua Ave (NS) at Kapiolani Blvd (EW)
28	Beretania St (EW) at Piikoi St (NS)	62	McCully St (NS) at Algaroba St (EW)
29	Beretania St (EW) at Keeaumoku St (NS)	63	McCully St (NS) at Fern St (EW)
30	Beretania St (EW) at Foodland Crosswalk (NS)	64	McCully St (NS) at Citron St (EW)
31	Beretania St (EW) at Kalakaua Ave (NS)	65	McCully St (NS) at Kapiolani Blvd (EW)
32	Beretania St (EW) at Punahou St (NS)	66	Punahou St (NS) at Bingham St (EW)
33	Beretania St (EW) at Alexander St (NS)	67	Punahou St (NS) at Dole St (EW)
34	Beretania St (EW) at McCully St (NS)	68	Punahou St (NS) at Nehoa St (EW)

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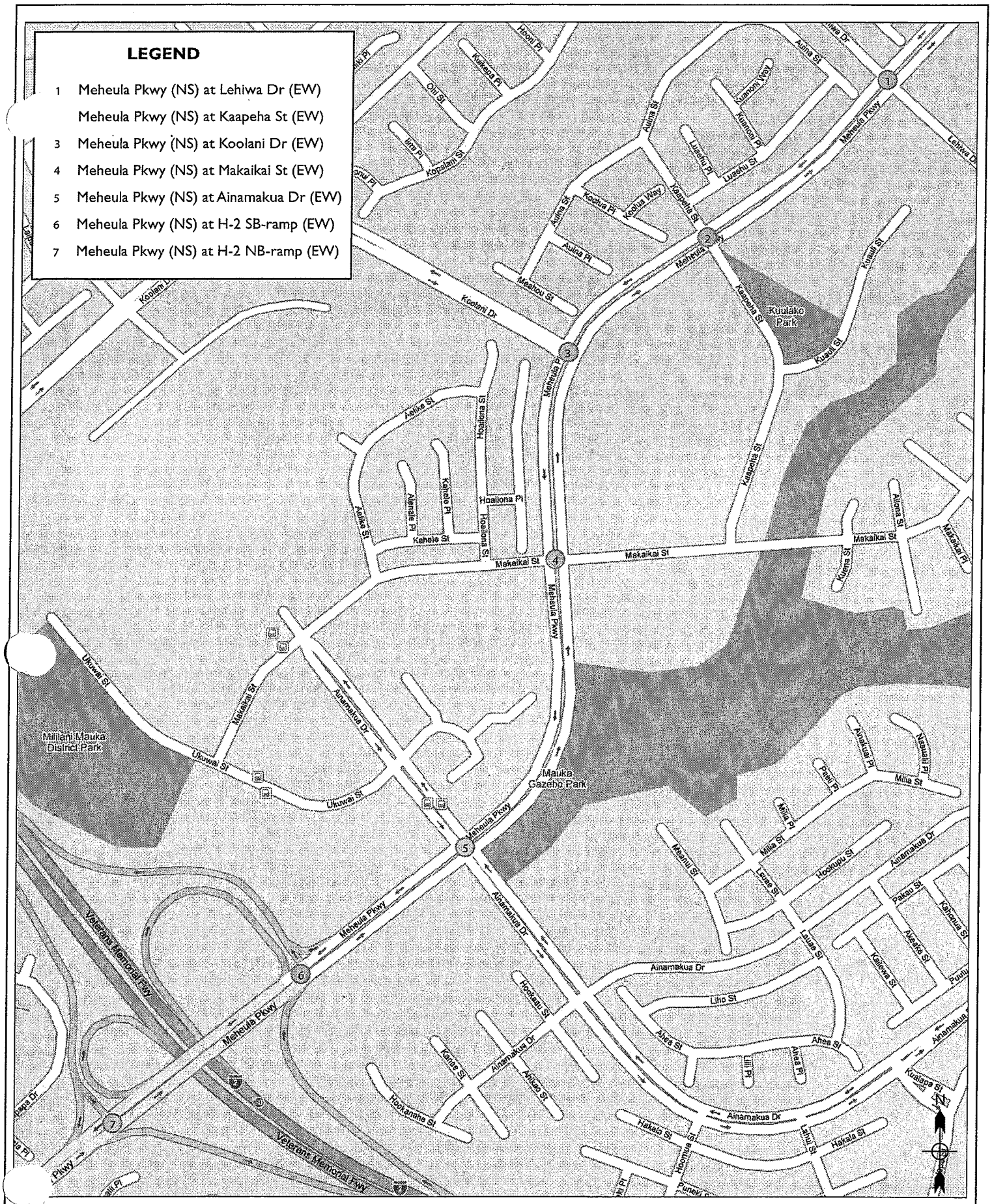
Transportation Management Program Traffic Signal Optimization, Phase II Project

Figure 2

Makiki Location Map



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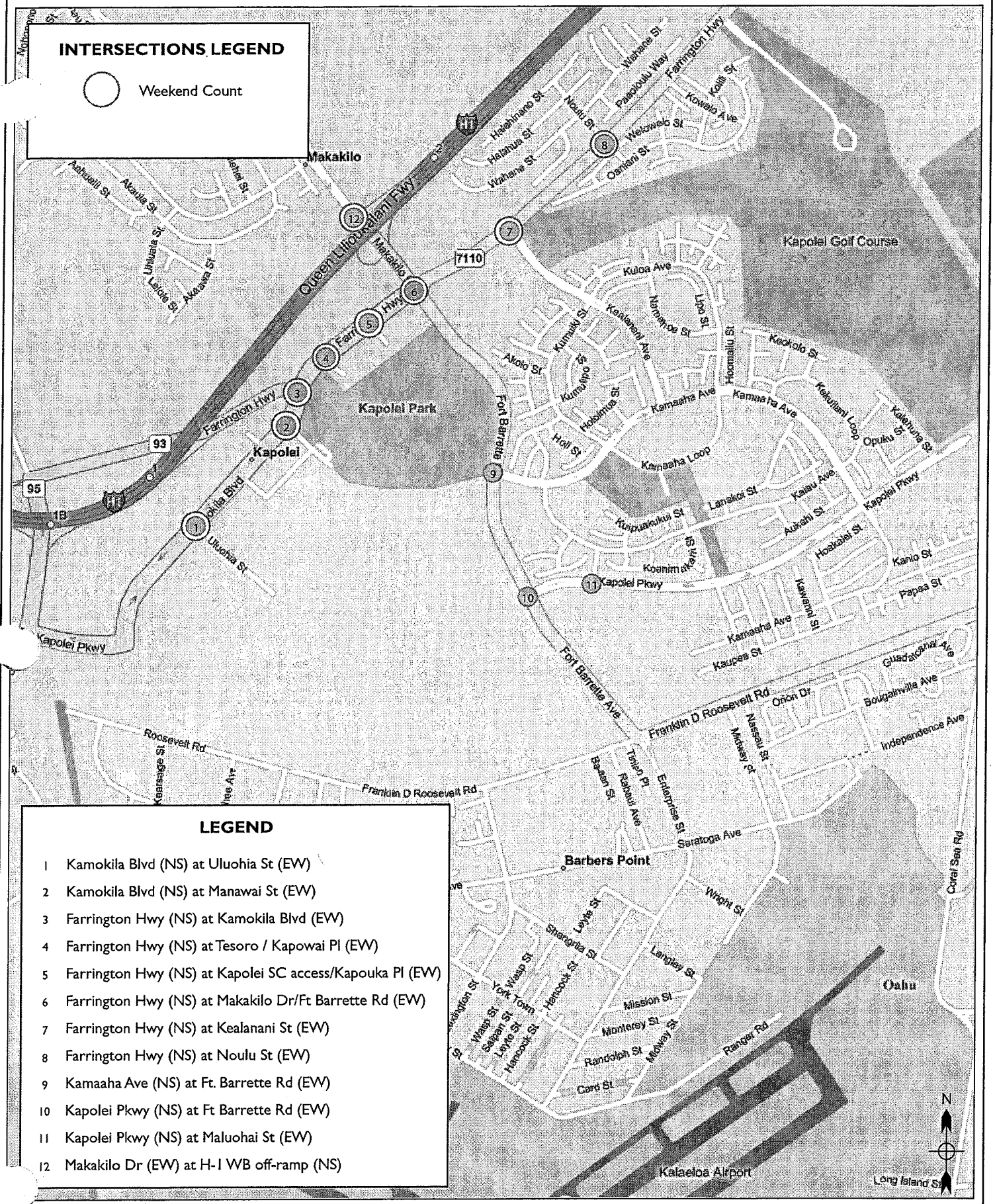
KOA CORPORATION PLANNING & ENGINEERING	City and County of Honolulu	Figure 3
	Transportation Management Program Traffic Signal Optimization, Phase II Project	Mililani Location Map



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KOA CORPORATION PLANNING & ENGINEERING	City and County of Honolulu	Figure 4
	Transportation Management Program Traffic Signal Optimization, Phase II Project	Kapolei Location Map

2. EXISTING CONDITIONS

The initial phase of the project included collecting and analyzing existing conditions data to enable development of optimized timing plans. The following tasks are included:

- Collect existing signal timing charts from the City
- Collect traffic turning movement volumes for study intersections
- Conduct a field review of the project area
- Conduct travel time and delay studies along the project corridors
- Review existing signal timing settings
- Code, review, and finalize the existing condition Synchro models

2.1 Existing Signal Timing

The existing signal timing data for each study intersection were provided by the City for the four districts. Signal timing data were mostly downloaded from the Traffic Control Center (TCC). However, for intersections which are not connected to TCC (mostly in Mililani and Kapolei District), the signal timing charts were obtained from each individual controller in the field.

KOA implemented internal quality control process to the manual input of the signal timing data. City staff has also reviewed the coded model and provided review comments to KOA. All existing signal timing data are organized into a separate file folder for each district and are included on a CD to be transmitted to the City. Signal timing, cycle lengths, along with other related parameters in operation during AM, Midday, PM periods for all four districts were manually coded into the existing Synchro model. Additional existing weekend Synchro models were also coded for the Makiki District and Kapolei District to evaluate the weekend peak hour conditions.

2.2 Existing Traffic Volumes and Intersection Lane Geometry

KOA evaluated the 24-hour tube counts provided by the City to determine the appropriate peak time period. The hourly distribution of traffic volumes along major corridors are shown on the graphics included in Appendix A. Based upon this analysis, turning movement counts

were collected at all study intersections during the following time periods:

AM	6:30 AM to 8:30 AM
Midday	11:00 AM to 1:00 PM
PM	4:00 PM to 6:00 PM
Weekend Midday	11:00 AM to 1:00 PM

All turning movement counts were collected between April and June of 2008 by Wilson Okamoto Corporation. The time period was selected to avoid school summer break. About 3 intersections in Mililani area were counted at a later date (February 2009) due to construction during the early arranged time frame. Copies of the turning movement counts including vehicular, pedestrian, and bicycle counts are included in a CD transmitted to the City.

All intersection turning volumes were coded into Synchro model and volume flow balances between intersections were reviewed for all four districts. Minor adjustment was applied for some intersections. City staff also conducted a review of the volume balance and adjustment.

Wilson Okamoto also conducted a thorough lane geometry inventory review for each intersection. A geometrical sketch for each intersection includes the general lane geometry information and the measurement for crosswalks, and also the parking restriction and signage information for different time periods. The traffic turning volume and lane geometry data are included in Appendix K (Volume 2).

2.3 Field Review

Field reviews were conducted by KOA project engineers in 2008 - 2009. All field notes were incorporated into the Synchro calibration process for existing conditions. The field review confirmed a number of elements along the roadways and collected data for signal timing analysis. Field investigation included the following:

- Lane geometry
- Speed limits
- Pedestrian activity
- Movements with uneven lane distribution
- Saturation flow rates at key intersections
- Oversaturated intersection locations
- Verification of coordination timing and offsets

The following sections highlight key observations made during the field review for some of the above measurements.

2.4 Parking Conditions/Activity

On-street parking regulation varies by time of day in Honolulu. On-street parking is generally allowed during off-peak hours in the Downtown and Makiki areas. Drivers do not use the travel lanes when vehicle parking is allowed. For some one-way streets, on-street parking is allowed along both right and left curbs. The number of available travel lanes was coded in existing Synchro networks to reflect the variable parking strategies and the impact to traffic patterns for different time period. Parking is not allowed on Meheula Parkway or any of the streets in the Kapolei study area.

2.5 Pedestrian and Bicycle Volumes

Pedestrian and bicycle traffic counts are also included on the CD transmitted to Honolulu.

In the Downtown and Makiki areas, pedestrian crossing has significant impacts on traffic operation for study intersections. For example, King Street from River Street to Bishop Street has a very high volume of pedestrians during AM, Midday, and PM peak hours. For the intersection of King Street at Bishop Street, 494 pedestrians crossed King Street during AM peak hour, 1229 pedestrians crossed in the Midday peak, and 501 pedestrians crossed in the PM peak. For many intersections within the area, traffic signal holds green for the pedestrian phase even though the side street volume is lower. At the intersection of King St and Bishop Street, the southbound protected left turn phase plus the northbound pedestrian phase requires more than 65% of the cycle time. This limits traffic signal green time for release

eastbound traffic. Eastbound traffic queues up from this intersection backward into China Town.

Punahou Street at Dole Street and off-ramp intersections also experience high pedestrian crossing volumes. Based on traffic counts, more than 300 pedestrians crossed Punahou Street during AM peak hour, which worsens the traffic congestion in this area.

For the Mililani study area, pedestrian volumes were observed to be lower at all the study intersections except Makaikai Street during the AM time period. Minimal bicycle volumes were counted in the study area when observed on the field.

In the Kapolei area, pedestrian volumes were observed to be high at the intersection of Kamokila Blvd / Uluohai Street during the Midday peak period. Moderately high pedestrian volumes were observed at the Kamokila Blvd. / Manawai Street and Farrington Hwy / Kapouka Pl intersections for the Midday and PM peak periods. During the weekend, relatively high pedestrian volume was observed at Farrington Hwy / Kapouka Pl and Farrington Hwy / Kapowai Pl. Low pedestrian volumes were observed at the remaining study area intersections for all the weekday and weekend time periods.

2.6 Un-Even Lane Distribution

Un-even lane distribution (when one lane is used significantly more than an adjacent lane or lanes) is important at intersections where there are multiple turn lanes and traffic uses one lane more than the other. Un-even lane distribution was observed at several locations within the study area. For example, along Piikoi Street, drivers tend to use the second lane from the left curb to turn left at Lunalilo Street and access the freeway. During the peak hours, traffic queues in this lane from Lunalilo Street back to King Street. Field review also shows that drivers traveling on the second lane have to stop at every intersection from King Street to Lunalilo Street with an average speed that is lower than 10 mph. Traffic northbound along McCully at Beretania Street, has a similar issue. Drivers exclusively use the left lane to cross the H-1 Freeway bridge and turn left toward the freeway.

Field observations along Meheula Parkway in the Mililani area show that traffic backs up in the southbound direction from Ainamakua Drive to Koolani Drive during the AM peak hour. Many drivers tend to travel on the right most side of the curbside lane to avoid delay.

In the Kapolei study area, there are heavy eastbound left turn volumes at Farrington Hwy / Ft. Barrette Road/ Makakilo Drive intersection during the PM peak period on weekday and Midday weekend. Eastbound traffic on Farrington Highway, queues along the inner through lane between Kapouka Pl and Kapowai Pl.

2.7 Saturation Flow Rates and Oversaturated Intersection Locations

Observations suggested that default values in the Synchro, traffic optimization tool used for this study, are generally representative. Revision of default value (1,900 vph) would be on a case-by-case basis only.

Several intersections or movements are observed to operate above capacity during certain peak hours. The following lists the major intersections where oversaturation needs to be considered:

- King Street at Bishop Street
- King Street at Alakea Street
- King Street at University Avenue
- Beretania Street at Punchbowl Street
- Beretania Street at Punahou Street
- Beretania Street at McCully
- Vineyard Boulevard at Punchbowl Street
- Vineyard Boulevard at Pali Highway
- Punahou Street at Dole Street
- Punahou Street at H-1 Off-Ramp
- Piikoi Street at Lunalilo Street
- Kapiolani Boulevard at Kalakaua Avenue
- Kapiolani Boulevard at McCully
- Meheula Parkway at Ainamakua Drive
- Nimitz Highway at Bethel Street
- Nimitz Highway at Bishop Street
- Nimitz Highway at Richards Street

3. ACTUATED SETTINGS REVIEW AND PEDESTRIAN CONSIDERATION

3.1 Actuated Settings

KOA staff reviewed the existing (initial timing) settings to identify opportunities to minimize delay during peak, non-peak, free or non-coordinated periods and to enhance pedestrian and bicycle safety and reduce delays. Adjustments would be made during the optimization process if they can improve signal timing and vehicle progression.

Based on the signal timing charts provided by the City, KOA developed all existing coordination information for intersections into the Synchro models. The following intersections were running in free (non-coordinated) during the specific peak hours:

Table 1: Fully-Actuated Intersections during Peak Hours

AM	Midday	PM	Weekend
District 1: Downtown			
Hotel St/Fort St Mall	Hotel St/Fort St Mall	Hotel St/Fort St Mall	N/A*
Queen St/South St	Punchbowl St/City Hall	Bishop St/Adams Lane	
Bishop St/Adams Lane	Bishop St/Adams Lane	Vineyard Blvd/Liliha	
Maunakea/Kukui St	Vineyard Blvd/Liliha	Vineyard Blvd/Nuuanu	
	Vineyard Blvd/Nuuanu	Vineyard Blvd/Pali Hwy	
	Vineyard Blvd/Pali H		
District 2: Makiki			
Wilder Ave/Pensacola St	Wilder Ave/Pensacola St	Wilder Ave/Pensacola St	Wilder Ave/Pensacola St
Keeaumoku St/Kanunu St	Keeaumoku St/Kanunu St	Keeaumoku St/Kanunu St	Keeaumoku St/Kanunu St
Wilder Ave/Metcalf St	Wilder Ave/Metcalf St	Wilder Ave/Metcalf St	Wilder Ave/Metcalf St
	Wilder Ave/Punahou St	Wilder Ave/Punahou St	Wilder Ave/Punahou St
District 3: Mililani			
All running free	All runing free	All running free	N/A*
District 4: Kapolei			
All running free	All runing free	All running free except:	All running free
		Farrington Hwy/Ft. Barrette Ave	
		Farrington Hwy/Kapouka Pl	
		Farrington Hwy/Kapowai Pl	
		Farrington Hwy/Kamokila Blvd	
		Kamokila Blvd/Manawai St	

N/A: Signal timing model is not required for the time period.

3.2 Pedestrian Timing

A review of the existing pedestrian timing was conducted at each intersection to verify the existing pedestrian timing and to determine if changes of the timing were necessary. The Flashing Don't Walk (FDW) intervals were calculated based on the following methodology:

$$\text{FDW (sec)} = \frac{\text{Crosswalk Length (ft)}}{\text{walking time (3.5 ft/s)}}$$

The crosswalk length is measured between the centers of the two wheelchair ramps in the field.

FHWA and the Federal Committee on Uniform Traffic Control Devices (MUTCD) have formally recommended a reduction from the standard walking speed from 4 to 3.5 feet per second. This recommendation is a guideline and should be followed unless local conditions are

not appropriate. Due to the length of the crosswalks, pedestrian usage, and current settings, the City and County intends to use 3.5 feet per second as the standard walking speed at this time. KOA Corporation did not observe any evidence of pedestrians having difficulty crossing roadways within the intervals provided, however some locations have longer intervals that will be preserved due to the number of pedestrians, especially near schools and senior residential area.

Appendix B summarizes the calculated and proposed Flashing Don't Walk intervals at each study intersection. The pedestrian FDW calculation worksheets are also included in the CD to be submitted to the City.

In addition, a review of pedestrian WALK interval was conducted at each intersection. Currently, most of the WALK intervals within study area are between four (4) and seven (7) seconds. However, there are locations where the WALK interval is more than 10 second long due to special geometry restriction and elderly pedestrians' request. No WALK interval change has been recommended for the proposed signal timing.

3.3 Travel Time Survey

A "Before" implementation floating vehicle survey was conducted in May 2009 for the study areas. The survey includes the AM, midday, PM, and weekend peak period measurements of existing travel time and delay along the corridors. Each corridor included 3 runs for each direction. An "After" study will be conducted after the coordination plans are implemented. The results of "Before" and "After" study will be summarized in the final report of this project.

The floating car method using PC-Travel software and a GPS unit was used to conduct the travel time survey for the following routes:

- King Street (Iwilei Road to Kahuna Lane)
- Beretania Street (King Street, Kahuna Lane, to North King Street)
- Nimitz Highway (River Street to Halekauwila Street, both directions)
- Vineyard Boulevard (Punchbowl Street to Liliha Street, both directions)
- Alakea Street/Queen Emma Street (Queen Street to Vineyard Boulevard)
- Pali Highway/Bishop Street (School Street to left turn unto Nimitz Highway)
- Punchbowl Street (Vineyard Boulevard/Beretania Street to left turn unto Nimitz Highway)
- Young Street (Pensacola Street to McCully Street, both directions)
- Kinau Street (Kinau Street merge with H-1 off-ramp to Keeaumoku Street)
- Ward Avenue (Kapiolani Boulevard to Green Street, both directions)
- Pensacola Street (Wilder Avenue to Kapiolani Boulevard)
- Wilder Avenue (Metcalf Street to Pensacola Street, both directions)
- Keeaumoku Street (Wilder Avenue to Kapiolani Boulevard, both directions)
- Punahou Street (King Street to Nehoa Street, both directions)
- Meheula Parkway (Lehiwa Drive to H-2 ramp signal, both directions)
- Farrington Highway (Kamokila Boulevard to Noulu Street)
- Hotel Street (River Street to Alakea Street)
- Kamaaha Avenue (Kamaaha to Kuloa Ave)
- Kalakaua (Beretania Street to Kapiolani Boulevard)
- McCully Street (Beretania Street to Kapiolani Boulevard)
- Piikoi Street (King Street to Lunalilo Street)

The travel time study results were included in a CD to be submitted to the City.

3.4 Existing Traffic Conditions

Intersection delay and level of service were obtained from the existing Synchro model for each intersection. Table 2 indicates the intersections which are operated at LOS E or F per the Highway Capacity Manual (HCM) methodology. Please note that the levels of service indicated below do not completely reflect the queuing and delay conditions in the field because HCM does not consider upstream and downstream intersection conditions. For thorough review of the intersection existing conditions, please review the SimTraffic simulation models KOA calibrated. An electronic version of the simulation models was transmitted to the City.

Table 2: Intersections Operate at LOS E or F
(Existing Conditions)

AM	Midday	PM	Weekend
District 1: Downtown			
Pali Hwy/H-1 Off ramp	None	None	N/A*
District 2: Makiki			
King St/University Ave	None	None	None
Beretania St/McCully	Beretania St/McCully	None	None
King St/McCully	None	None	King St/McCully
Ainamakua Dr/Meheula Pkwy	Ainamakua Dr/Meheula Pkwy	None	None
None	None	Meheula Pkwy/H-2 NB ramp	None
District 3: Mililani			
None	None	None	N/A*
District 4: Kapolei			
None	None	Farrington Hwy/Makakilo Dr	None

N/A: Signal timing model is not required for the time period.

4. Signal Timing Plan Development

One of the major objectives for this project is to update pedestrian Flashing Don't Walk (FDW) interval to meet the new guidelines set forth by the recently adopted 2009 Federal Manual on Uniform Traffic Control Devices (MUTCD), which reduced the standard walking rate for pedestrians from 4 feet per second to 3.5 feet per second. Due to the City/County of Honolulu excluding the clearance interval (yellow and all-red durations) from calculation of FDW, those changes significantly increased pedestrian FDW interval at most study intersections. The increased FDW settings were verified in the field by pushing pedestrian buttons and observing the duration of the flashing pedestrian head indications.

New timing plans were developed for each study corridor using Synchro/SimTraffic software package with traffic turning movement counts collected in 2008. Typically, three timing plans were developed for each area – AM, Midday, and PM plan. For Makiki and Kapolei areas, a weekend plan was also developed.

The development of new timing plans began with an evaluation of the traffic conditions at each intersection and along corridors. Based on different traffic flow characteristics, Downtown and Makiki areas were divided into multiple zones to ensure that an optimal coordination pattern was developed to improve traffic flow in each zone. The coordination between adjacent zones was also optimized to achieve traffic mobility improvement within the entire network.

Different cycle lengths were evaluated within the study zones for each peak period. Optimized cycle lengths created by Synchro were used as a start point for each zone. Final selection of the cycle length was based upon field observation of the length of queues and clearance time of traffic from all approaches. Proposed cycle lengths were documented and submitted to the City for review and approval.

Once the cycle lengths were determined, phase splits and offsets were optimized using Synchro model for each time period, minimizing total delay, as well as maximizing arterial green

bandwidth. At the request of the City, lagging left turn operation was disabled in the optimization process. Synchro models, with the proposed timing plans, were submitted for the City staff to review before field implementation. Tables 3 through 6 present the recommended signal timing changes along each corridor.

The time-of-day clock settings for the proposed timing plans were determined by evaluating the 24-hour ADT tube counts and field observations. Although reviews of ADT counts showed different inbound or outbound peak directions and inconsistency of peak hours, for each of the four study areas, the optimal different time-of-day setting tables were recommended and provided to the City.

Prior to the field implementation, new timing plans were transferred from Synchro model into standard timing sheets for 170 type controller 200 program.

Table 3 - Recommended Signal Timing Changes for Downtown Zone

Corridor	Proposed Changes
King Street	- No change to the existing 90-sec cycle length. - Pedestrian Flash Don't Walk (FDW) has been reviewed and increased wherever it is required by the new MUTCD guideline. Force offs have been increased to accommodate longer FDW time. - Offsets have been optimized from Beretania Street to Punchbowl Street. - The intersection of King at Punchbowl is proposed to run at 120-sec cycle length and coordinate with King at Kapiolani
Beretania Street	- No change to the existing 90-sec cycle length. - FDW has been reviewed and updated at each intersection. Force offs have been increased to accommodate longer FDW time. - Offsets have been optimized from King Street to Punchbowl Street.
Nimitz Hwy	- No change to the existing 140-sec cycle length. - FDW has been reviewed and increased wherever it is required by new MUTCD guideline. Force offs have been increased to accommodate longer FDW time. - Offsets have been optimized from River Street to Richard Street.

<table>
<tr><td>Vineyard Boulevard</td><td>The cycle lengths along Vineyard Boulevard have been changed as below:
<table>
<tr><th></th><th colspan="2">AM</th><th colspan="2">Midday</th><th colspan="2">PM</th></tr>
<tr><th></th><th>Exi.</th><th>Pro.</th><th>Exi.</th><th>Pro.</th><th>Exi.</th><th>Pro.</th></tr>
<tr><td>Palama</td><td>160</td><td>160</td><td>105</td><td>135</td><td>120</td><td>160</td></tr>
<tr><td>Pua</td><td>160</td><td>160</td><td>105</td><td>135</td><td>120</td><td>160</td></tr>
<tr><td>Liliha</td><td>160</td><td>160</td><td>Free</td><td>135</td><td>Free</td><td>160</td></tr>
<tr><td>Aala</td><td>160</td><td>160</td><td>105</td><td>135</td><td>120</td><td>160</td></tr>
<tr><td>Maunakea</td><td>160</td><td>160</td><td>105</td><td>135</td><td>120</td><td>160</td></tr>
<tr><td>Nuuanu</td><td>160</td><td>160</td><td>Free</td><td>135</td><td>Free</td><td>160</td></tr>
<tr><td>Pali Hwy</td><td>160</td><td>160</td><td>Free</td><td>Free</td><td>Free</td><td>160</td></tr>
<tr><td>Queen Emma</td><td>160</td><td>160</td><td>105</td><td>135</td><td>120</td><td>160</td></tr>
<tr><td>Punchbowl</td><td>160</td><td>160</td><td>105</td><td>135</td><td>120</td><td>160</td></tr>
</table>
Note: Exi.= Existing; Pro.=Proposed.</td></tr>
<tr><td>Hotel Street</td><td>- Traffic signals are proposed to run at 90-sec cycle along Hotel Street .
- FDW has been reviewed and updated at each intersection. Force offs have been increased to accommodate longer FDW time.
- The intersection of Hotel at Maunakea is proposed to keep the existing 45-sec cycle.
- The intersection of Hotel at Fort St. Mall is proposed to run at 45-sec cycle length.</td></tr>
<tr><td>Queen Street</td><td>- No change to the existing 90-sec cycle length.
- FDW has been reviewed and updated at each intersection. Force offs have been increased to accommodate longer FDW time.
- Offsets have been optimized.</td></tr>
<tr><td>Merchant St</td><td>- No change to the existing 90-sec cycle length.
- FDW has been reviewed and updated at each intersection. Force offs have been increased to accommodate longer FDW time.
- Offsets have been optimized.</td></tr>
<tr><td>Pali Highway</td><td>The cycle lengths have been changed as below:
<table>
<tr><th></th><th colspan="2">AM</th><th colspan="2">Midday</th><th colspan="2">PM</th></tr>
<tr><th></th><th>Exi.</th><th>Pro.</th><th>Exi.</th><th>Pro.</th><th>Exi.</th><th>Pro.</th></tr>
<tr><td>School Street</td><td>160</td><td>160</td><td>130</td><td>135</td><td>140</td><td>160</td></tr>
</table>
Note: Exi.= Existing; Pro.=Proposed.</td></tr>
<tr><td>Alakea Street</td><td>- No change to the existing 90-sec cycle length.
- FDW has been reviewed and updated at each intersection. Force offs have been increased to accommodate longer FDW time.
- Offsets have been optimized.</td></tr>
</table>

Table 4 - Recommended Signal Timing Changes for Makiki Zone

<table>
<tr><th>Corridor</th><th>Proposed Changes</th></tr>
<tr><td>King Street</td><td>- The cycle length has been changed from 80 sec to 90 sec for all peak periods: AM, Midday, PM, and Weekend.
- Offset has been optimized at each intersection. FDW has been increased wherever it is required by the new MUTCD guideline.</td></tr>
<tr><td>Beretania Street</td><td>- No change to the existing 90-sec cycle length. FDW has been reviewed and updated at each intersection.
- Offsets have been optimized between Kaiakiu Street and Alapai Street.</td></tr>
<tr><td>Young Street</td><td>- The cycle length has been changed from 80 sec to 90 sec for all peak periods. Offset has been optimized at each intersection.
- FDW has been increased wherever it is required by the new MUTCD guideline.</td></tr>
<tr><td>Kinau Street</td><td>- The cycle length has been changed from 80 sec to 90 sec for all peak periods.
- Offset has been optimized at each intersection. FDW has been increased wherever it is required by the new MUTCD guideline.</td></tr>
<tr><td>Wilder Ave</td><td>The cycle lengths have been changed as below:
<table>
<tr><th></th><th colspan="2">AM</th><th colspan="2">Midday</th><th colspan="2">PM</th></tr>
<tr><th></th><th>Exi.</th><th>Pro.</th><th>Exi.</th><th>Pro.</th><th>Exi.</th><th>Pro.</th></tr>
<tr><td>Pensacola Street</td><td>Free</td><td>90</td><td>Free</td><td>90</td><td>Free</td><td>90</td></tr>
<tr><td>Piikoi Street</td><td>65</td><td>90</td><td>65</td><td>90</td><td>65</td><td>90</td></tr>
<tr><td>Liholiho Street</td><td>65</td><td>90</td><td>65</td><td>90</td><td>65</td><td>90</td></tr>
<tr><td>Kewalo Street</td><td>65</td><td>90</td><td>65</td><td>90</td><td>65</td><td>90</td></tr>
<tr><td>Keeaumoku Street</td><td>80</td><td>90</td><td>80</td><td>90</td><td>80</td><td>90</td></tr>
<tr><td>Makiki Street</td><td>80</td><td>90</td><td>80</td><td>90</td><td>80</td><td>90</td></tr>
<tr><td>Punahou Street</td><td>160</td><td>Free</td><td>Free</td><td>Free</td><td>Free</td><td>Free</td></tr>
<tr><td>Alexander Street</td><td>110</td><td>90</td><td>80</td><td>90</td><td>80</td><td>90</td></tr>
<tr><td>Metcalf Street</td><td>Free</td><td>90</td><td>Free</td><td>90</td><td>Free</td><td>90</td></tr>
</table>
Note: Exi.= Existing; Pro.=Proposed.</td></tr>
<tr><td>Keeaumoku Street</td><td>- The cycle length has been changed from 120 sec to 90 sec for all peak periods. Makaloa Street runs at the same cycle with adjacent Kapiolani Boulevard: 120-sec cycle during weekday, and 90-sec cycle on the weekend.
- Offset has been optimized at each intersection. FDW has been increased wherever it is required by the new MUTCD guideline.</td></tr>
<tr><td>Kalakaua Avenue</td><td>- The cycle length has been changed from 80 sec to 90 sec for all peak periods.
- Offset has been optimized at each intersection. FDW has been increased wherever it is required by the new MUTCD guideline.</td></tr>
<tr><td>McCully</td><td>- The cycle length has been changed from 80 sec to 90 sec for all peak periods.
- Offset has been optimized at each intersection. FDW has been increased wherever it is required by the new MUTCD guideline.</td></tr>
</table>

Table 5 - Recommended Signal Timing Changes for Kapolei Zone

Corridor	Proposed Changes
Farrington Hwy	- Traffic signal coordination plans will be implemented on Meheula Pkwy from Kapouka Place to Kamokila Boulevard, and at intersection of Kamokila Blvd at Manawai Street. - Pedestrian FDW will be increased wherever it is required by the new MUTCD guideline within the Kapolei area. - Coordinated traffic signals will run at 110-sec cycle from 6:00 am to 8:30 am, 100-sec cycle from 11:00 am to 3:00 pm, and 120-sec cycle from 3:00 pm to 6:00 pm. - On Saturday and Sunday, coordinated traffic signals will run at 110-sec cycle from 10:00 am to 2:00 pm. - Traffic signal at intersection of Ft. Barrette Avenue and Farrington Hwy will run Free/Actuated-Uncoordinated instead of the existing 240-sec cycle during the PM period. Signal timing settings has been optimized to make this intersection operating more efficiently.

Table 6 - Recommended Signal Timing Changes for Milinani Zone

Corridor	Proposed Changes
Meheula Pkwy	- Traffic signal coordination plans will be implemented on Meheula Pkwy from H-2 SB Ramp to Lehiwa Drive. Coordination plans will be turned on for three peak periods: AM, Midday, and PM. Pedestrian FDW has been increased wherever it is required by the new MUTCD guideline. - During the AM peak period, from 5:30 am to 9:00 am, traffic signals run at 100-sec cycle from Makaikai Street to Lehiwa Drive, 160-sec cycle at Ainamakua Drive, and 80-sec cycle at two H-2 ramp intersections. - Based on Midday traffic conditions, coordination plans only turn on at two H-2 ramp intersections from 11:00 am to 1:30 pm. Two ramp signals run at 60-sec cycle, and other signals run Free/Actuated-Uncoordinated along the study corridor. - During the PM peak period, from 3:00 pm to 6:00 pm, traffic signals run at 100-sec cycle from H-2 SB Ramp to Lehiwa Drive except for Ainamakua Drive which runs Free/Actuated-Uncoordinated.

5. FIELD IMPLEMENTATION

Implementation of new timing plans can be achieved either by downloading new data into the local controller, if it is interconnected with the TMC office, or by manual input. At a location where there is no interconnection between TMC and the local controller, manual input is required.

In Downtown and Makiki areas, 85 percent of controllers are interconnected with TMC. At those interconnected locations, new timing data are downloaded remotely, while the remaining 15% are done through manual input. All new timing data were manually input into the controllers in the Kapolei and Mililani areas.

In Downtown and Makiki, each area was split into four sub-networks, for ease of monitoring the performance of the new implemented timing plan. Prior to fully implementing all the new timing plans, the Midday plan was selected for field testing and fine tuning. Once the Midday plan was shown to attain the levels of improvement determined by Synchro, and approval was given by the City, both AM and PM timings plan were subsequently downloaded and fine-turned in March 2010. The four sub-networks for each area are:

Downtown area:

1. Vineyard Boulevard and adjacent intersections
2. Beretania Street and intersections in between Beretania Street and King Street
3. King Street and Queen Street
4. Nimitz Highway

Makiki area:

5. Wilder Avenue
6. Beretania Street, Kinau Street, and Lunalilo Street
7. King Street and Young Street
8. Other study intersections between King Street and Kapiolani

KOA engineers further fine-tuned the offsets of the aggregated sub-networks to ensure optimal coordination for both major arterials and cross streets.

In September 2009, KOA engineers implemented the proposed timing plans in Kapolei and Mililani areas. At the request of the City, KOA engineers reset the controller IP and troubleshot the interconnection between local controllers and on-street master in Mililani prior to implementation. Coordination progression was verified against "Timing-Space Diagram" created by Synchro. Further fine-tuning was performed in the field.

6. SYSTEM WIDE IMPROVEMENT

A floating car travel time "Before Study" was conducted in April 2009. Travel time data were collected using a GPS unit attached to the roof of the car. The collected information was downloaded into PC-Travel program. A summary report was submitted to the City entitled "Existing Condition Analysis Memorandum".

A set of network performance measures was summarized from optimized Synchro models and compared with the performance measures from the calibrated existing models. The performance measures include total corridor delay, total stops, and average speed for each network. Tables 7 through 10 present the Network Measures of Effectiveness (MOE) comparison within four study areas for each peak hour period.

It should be noted that lengthening pedestrian clearance interval has a negative effect on both arterial and intersection performance. The performance measures summarized below were the results of signal timing optimization, which improved traffic flow and lessened the negative effects from lengthening pedestrian Flashing Don't Walk (FDW) interval. As shown in the tables below, benchmark networks were created from existing networks with increased pedestrian FDW. In all cases, MOEs reported from benchmark networks were worse than that of existing networks. The Makiki PM network clearly illustrated the point. In Table 8, total delay of optimized network yielded a 12% increase over the existing network. After considering the effect of increased FDW interval, total delay was actually decreased by 12%.

The detailed MOE reports from Synchro are presented in Appendix C to Appendix J.

Table 7 - Network Measures of Effectiveness Comparison (Downtown)

Time Period	Survey	Total Stops (#)	Average Speed (mph)	Total Delay (hr)
AM	Before (Existing)	81778	11	919
	Benchmark (1)	91784	8	1363
	After (Optimized)	73740	12	794
	% of Imprv from Existing	10%	9%	14%
	% of Imprv from Benchmark	**20%**	**50%**	**42%**
MIDDAY	Before (Existing)	63901	13	570
	Benchmark	69885	9	948
	After (Optimized)	59420	13	567
	% of Imprv from Existing	7%	0%	1%
	% of Imprv from Benchmark	**15%**	**44%**	**40%**
PM	Before (Existing)	89887	11	1050
	Benchmark	93204	9	1348
	After (Optimized)	82689	10	1141
	% of Imprv from Existing	8%	-9%	-9%
	% of Imprv from Benchmark	**11%**	**11%**	**15%**

Note: (1) Benchmark = Existing networks with increased pedestrian Flashing Don't Walk

For downtown network, the new AM timing plans yielded 20% decrease of total stops, 42% decrease of total delay, as well as a 50% increase of average speed. The Midday timing plans also showed significant improvements in comparison to that of the benchmark network. Average speed and total delay showed negative improvements in PM peak when compared to the existing network; however, after including the impact of longer FDW, the MOE improvements ranged from 11% to 15%. Based on the existing intersection layout and traffic volume, several intersections along King Street and Beretania Street were already operating close to the capacity. Lengthened FDW required reducing a portion of green time from major streets to side streets.

The MOE for the Makiki Network are shown below in Table 8. Total delay reductions of the optimized plan in the Makiki network range between 12% and 33%, in comparison to that of the

benchmark network. Total stop reductions range between 13% and 15%. Average speed increases in the range between 7% and 11%.

Table 8 - Network Measures of Effectiveness Comparison (Makiki)

Time Period	Survey	Total Stops (#)	Average Speed (mph)	Total Delay (hr)
AM	Before (Existing)	99888	13	996
	Benchmark (1)	112025	11	1347
	After (Optimized)	97730	14	903
	% of Imprv from Existing	2%	8%	9%
	% of Imprv from Benchmark	**13%**	**27%**	**33%**
MIDDAY	Before (Existing)	84476	14	778
	Benchmark	92244	13	874
	After (Optimized)	80065	15	664
	% of Imprv from Existing	5%	7%	15%
	% of Imprv from Benchmark	**13%**	**15%**	**24%**
PM	Before (Existing)	109665	14	1011
	Benchmark	124634	12	1285
	After (Optimized)	108000	13	1135
	% of Imprv from Existing	2%	-7%	-12%
	% of Imprv from Benchmark	**13%**	**8%**	**12%**
Weekend	Before (Existing)	87906	14	772
	Benchmark	98219	13	924
	After (Optimized)	83293	15	698
	% of Imprv from Existing	5%	7%	10%
	% of Imprv from Benchmark	**15%**	**15%**	**24%**

Note: (1) Benchmark = Existing networks with increased pedestrian Flashing Don't Walk

As shown in Table 9, total delay reductions of the optimized plan in the Kapolei network range between 6% and 15%, in comparison to that of the benchmark network. Total stop reductions range between from 1% to 7%. Average speed increases in the range between 7% and 11%.

Table 9 - Network Measures of Effectiveness Comparison (Kapolei)

Time Period	Survey	Total Stops (#)	Average Speed (mph)	Total Delay (hr)
AM	Before (Existing)	14955	10	395
	Benchmark (1)	15228	9	397
	After (Optimized)	14663	10	375
	% of Imprv from Existing	2%	0%	5%
	% of Imprv from Benchmark	**4%**	**11%**	**6%**
MIDDAY	Before (Existing)	11250	16	132
	Benchmark	11323	16	133
	After (Optimized)	11213	17	116
	% of Imprv from Existing	0%	6%	12%
	% of Imprv from Benchmark	**1%**	**6%**	**13%**
PM	Before (Existing)	15532	13	239
	Benchmark	15575	12	258
	After (Optimized)	15338	14	220
	% of Imprv from Existing	1%	8%	8%
	% of Imprv from Benchmark	**2%**	**17%**	**15%**
Weekend	Before (Existing)	12693	15	155
	Benchmark	12661	15	157
	After (Optimized)	11810	16	134
	% of Imprv from Existing	7%	7%	14%
	% of Imprv from Benchmark	**7%**	**7%**	**15%**

Note: (1) Benchmark = Existing networks with increased pedestrian Flashing Don't Walk

Table 10 shows that total delay reductions in the Milinani network range between 30% and 34%. Total stop reductions range between 6% and 30%. Average speed increases in the range between 16% and 23%.

Table 10 - Network Measures of Effectiveness Comparison (Minilani)

Time Period	Survey	Total Stops (#)	Average Speed (mph)	Total Delay (hr)
AM	Before (Existing)	12362	14	186
	Benchmark (1)	12117	13	204
	After (Optimized)	11439	16	143
	% of Imprv from Existing	7%	14%	23%
	% of Imprv from Benchmark	**6%**	**23%**	**30%**
MIDDAY	Before (Existing)	3731	16	58
	Benchmark	4585	19	41
	After (Optimized)	3206	22	27
	% of Imprv from Existing	14%	38%	53%
	% of Imprv from Benchmark	**30%**	**16%**	**34%**
PM	Before (Existing)	10995	15	149
	Benchmark	10814	15	151
	After (Optimized)	9857	18	99
	% of Imprv from Existing	10%	20%	34%
	% of Imprv from Benchmark	**9%**	**20%**	**34%**

Note: (1) Benchmark = Existing networks with increased pedestrian Flashing Don't Walk

7. CONCLUSION

The traffic signal re-timing efforts in Honolulu resulted in significant reduction in overall travel time, total delays and vehicle stops, with corresponding increase in average traveling speed within four study areas. Pedestrian clearance intervals were increased to meet the new 2009 MUTCD guideline to provide safer operation for pedestrian crossings. The congestion conditions identified as "bottlenecks" were also improved using optimized signal timing settings.

Should you have any questions or comments, or need further clarification regarding the results presented in the report, please contact us at (714) 573-0317.

APPENDIX A

HOURLY DISTRIBUTION OF TRAFFIC VOLUMES ALONG MAJOR CORRIDORS

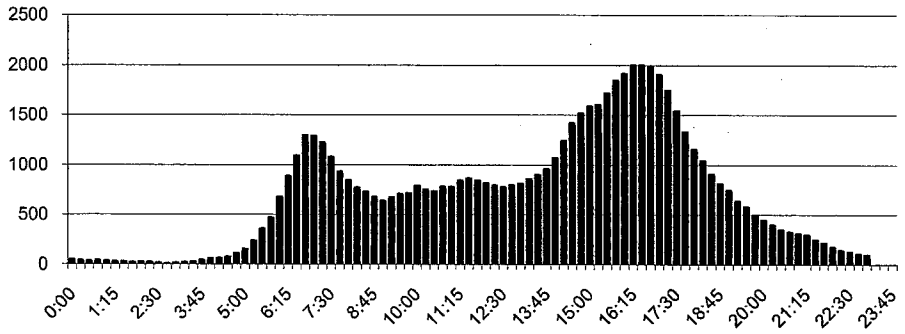
JA83054 Signal Timing
City and County of Honolulu

ADT Analysis
Zone #1

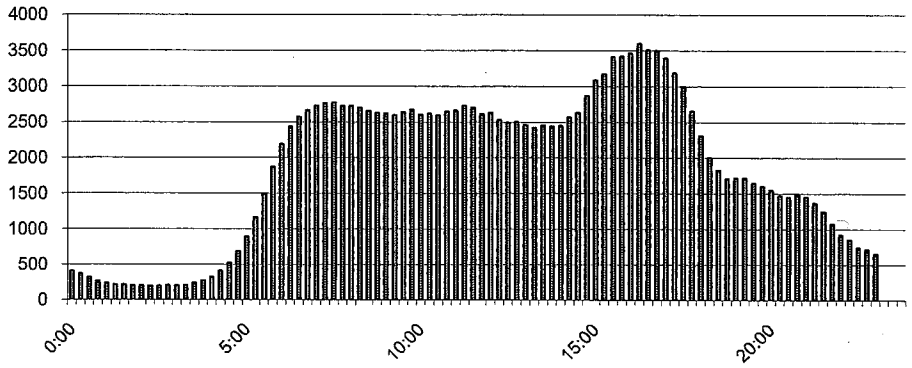
By KOA Corporation

TRAFFIC VOLUME DISTRIBUTION

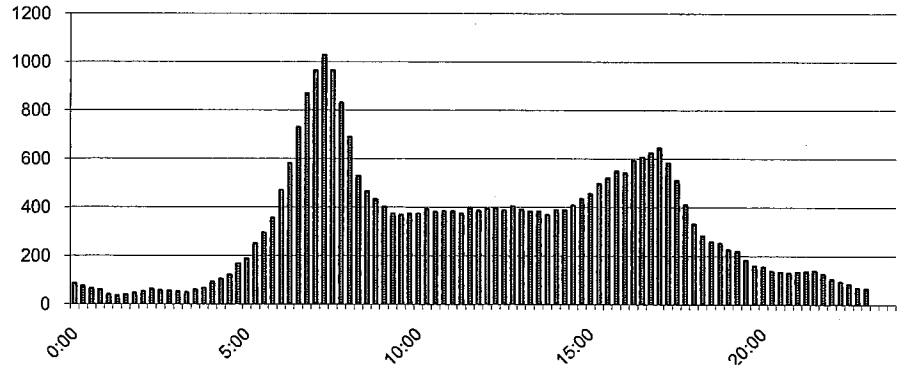
#	LOCATION
1	**Queen Emma St** between Vineyard Blvd and School St



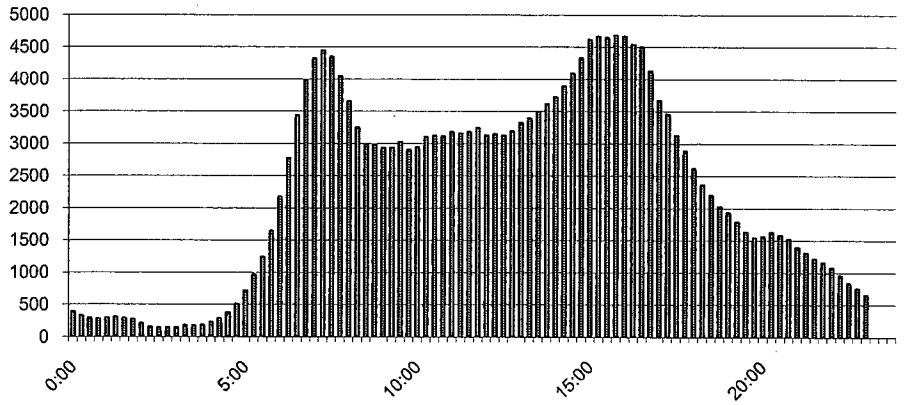
#	LOCATION
2	**Vineyard** between Pua Ln and Liliha St



#	LOCATION
3	**Nuuanu Ave** between King St and Nimitz Hwy



#	LOCATION
4	**Beretania** between Alapai St and Punchbowl St



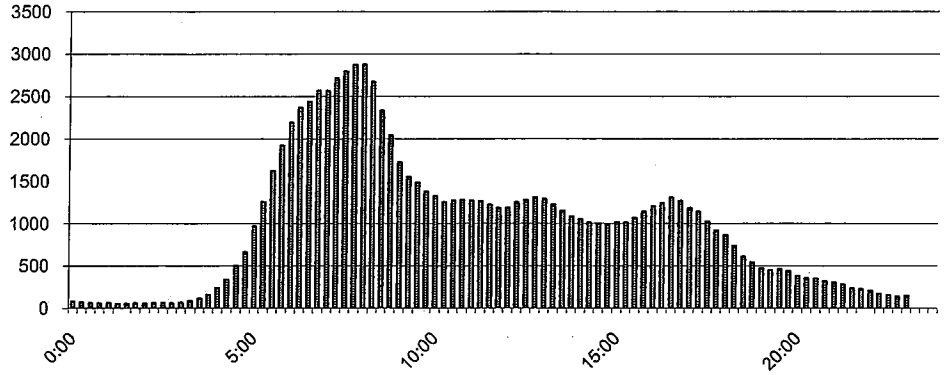
JA83054 Signal Timing
City and County of Honolulu

ADT Analysis
Zone #1

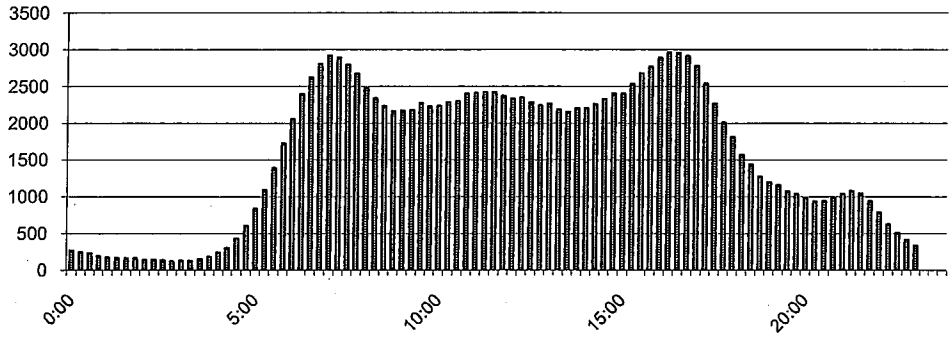
By KOA Corporation

TRAFFIC VOLUME DISTRIBUTION

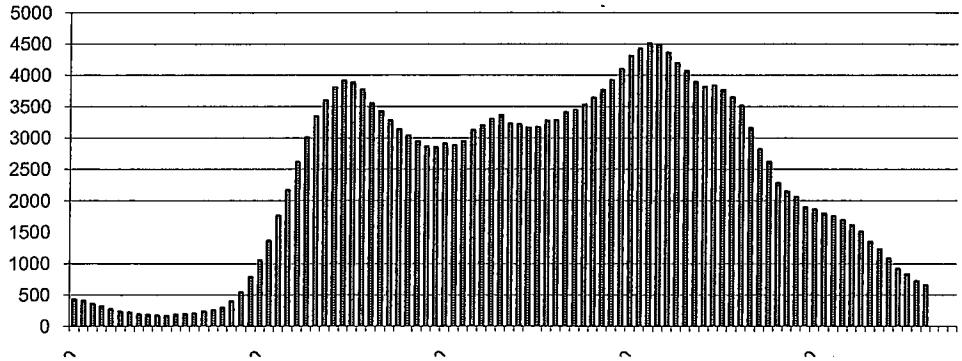
#	LOCATION
5	**Pali Hwy** between Kukui St and Beretania St



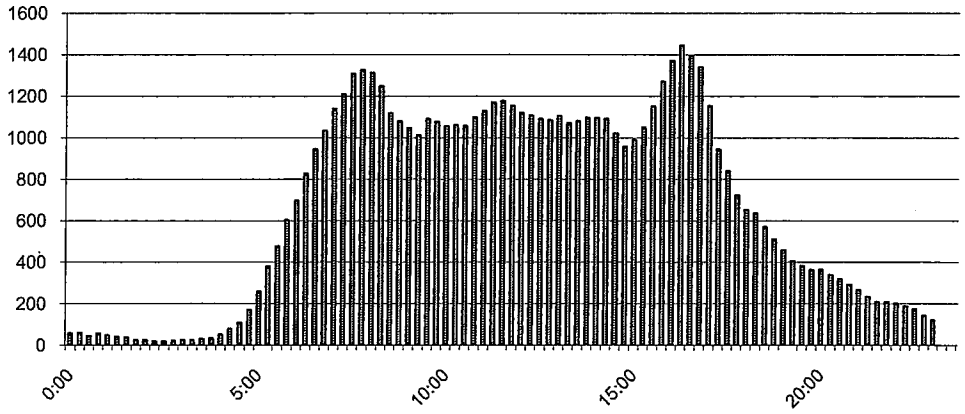
6	**King St** between Bishop St and Alakea St



7	**Ala Moana Blvd** between Aloha Tower and Punchbowl St



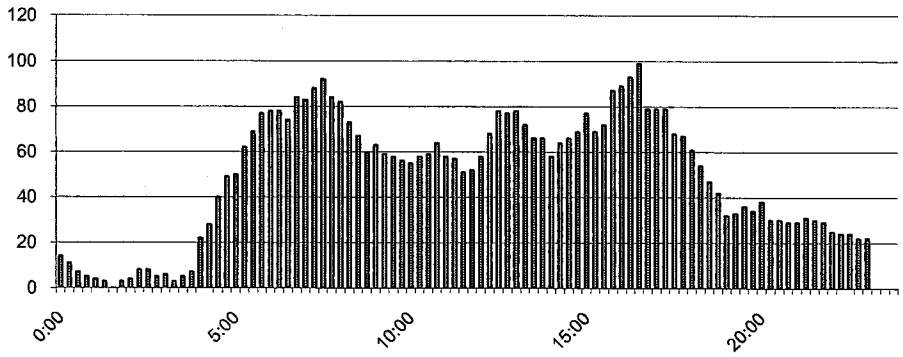
8	**Punchbowl St** between Halekauwila and Ala Moana Blvd



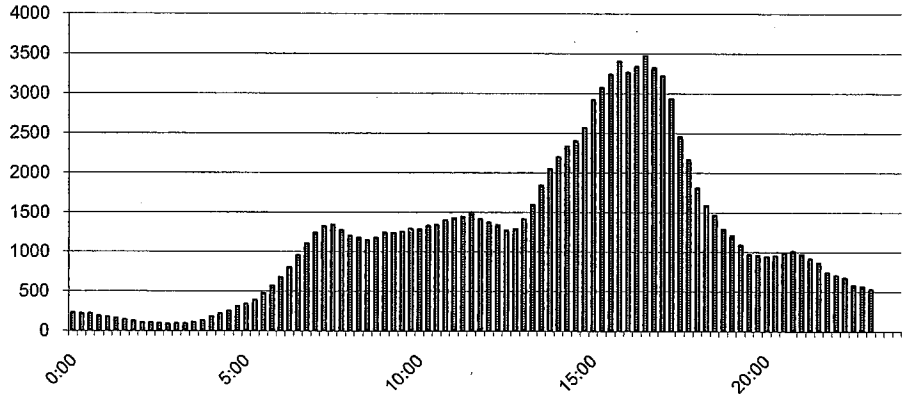
ADT Analysis
Zone #1

TRAFFIC VOLUME DISTRIBUTION

#	LOCATION
9	**Hotel St** between Richard St and King St

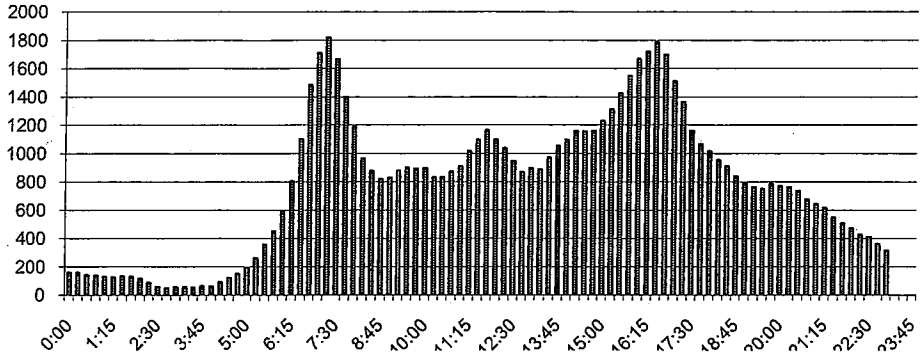


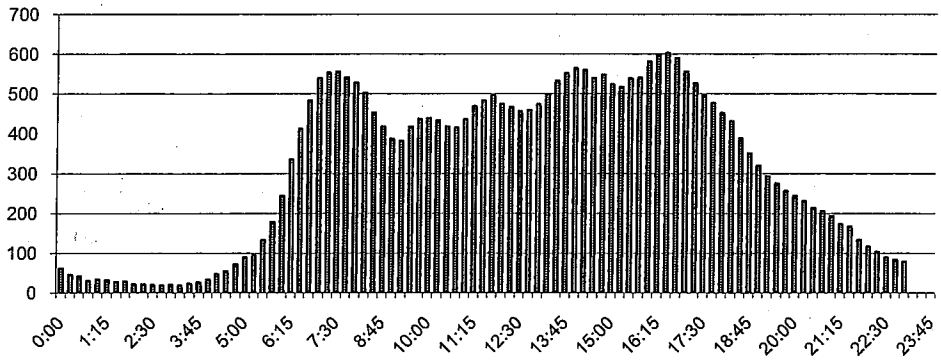
10	**Beretania St** between Nuuanu Ave and Maunakea St

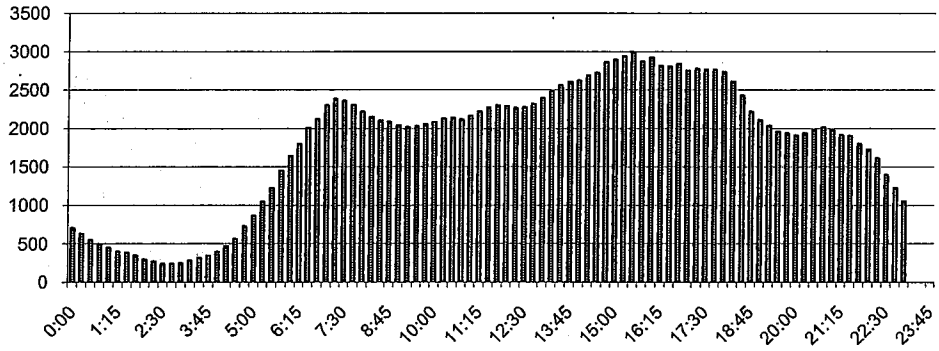


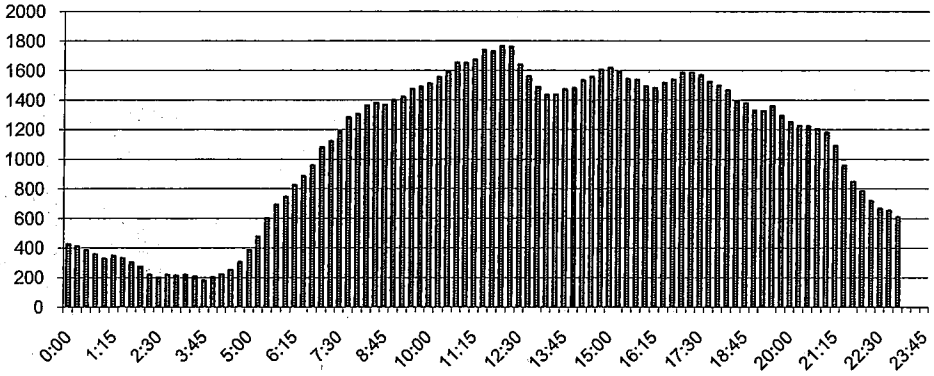
TRAFFIC VOLUME DISTRIBUTION

#	LOCATION
1	**Wilder Ave** between Punahoa and Piikoi
2	**Young** between Kalakaua Ave and Isenberg St
3	**Kalakaua Ave** between Kapiolani Blvd and Ala Wai Blvd
4	**Keeaumoku St** between Kapiolani Blvd and King St



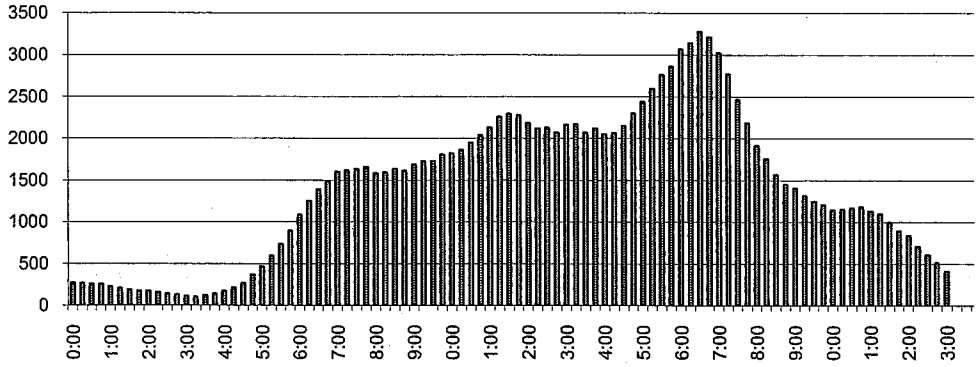


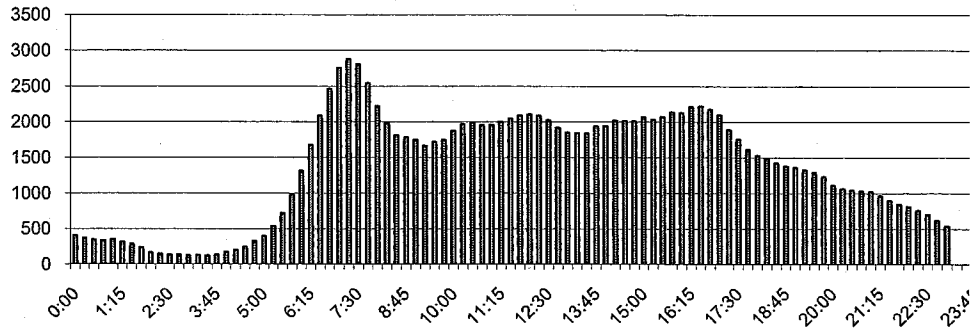


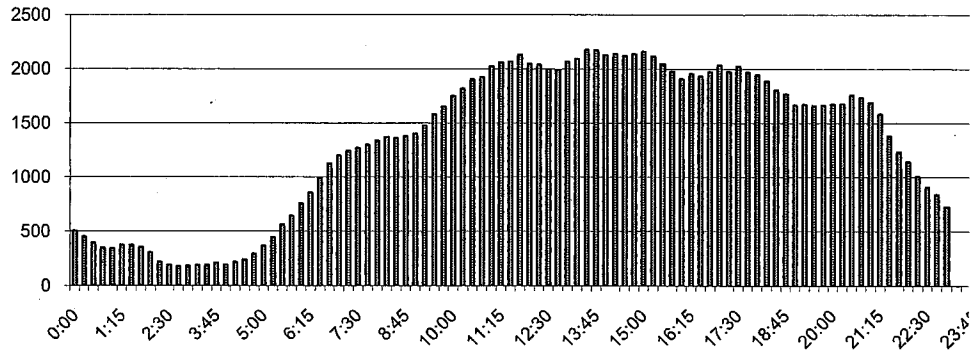


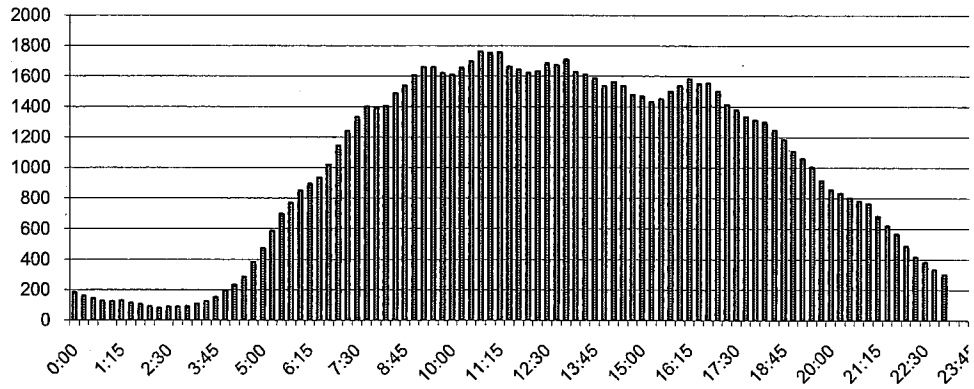
#	LOCATION
5	**King St** between Cedar St and Keeaumoku St
6	**Beretania St** between Punahou St and Ward Ave
7	**Piikoi St** between King St and Young St
8	**Pensacola St** between Beretania St and King St

TRAFFIC VOLUME DISTRIBUTION



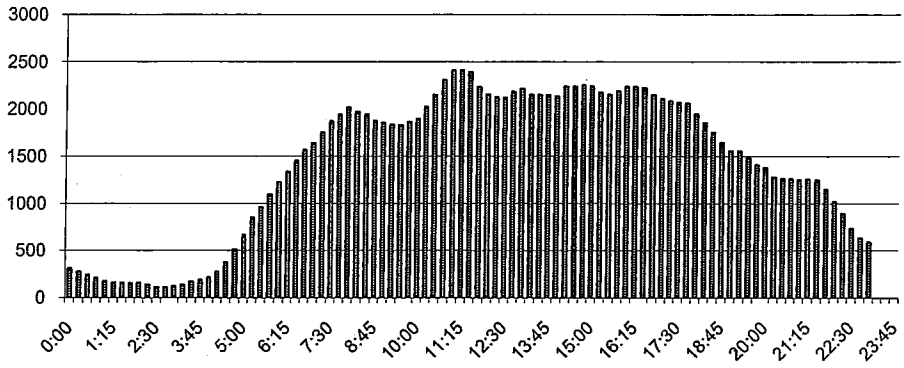




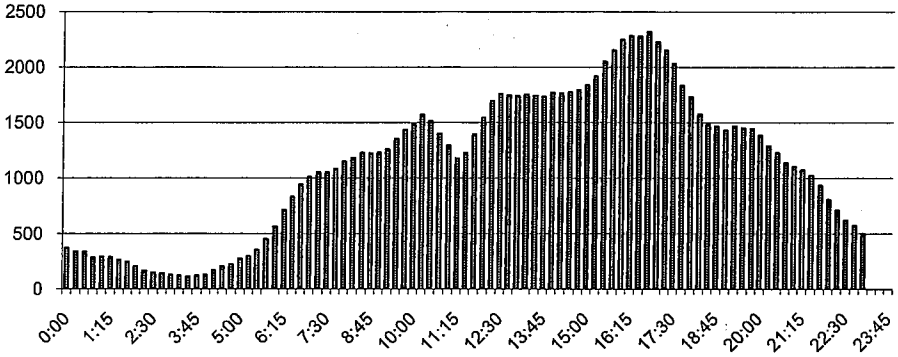


TRAFFIC VOLUME DISTRIBUTION

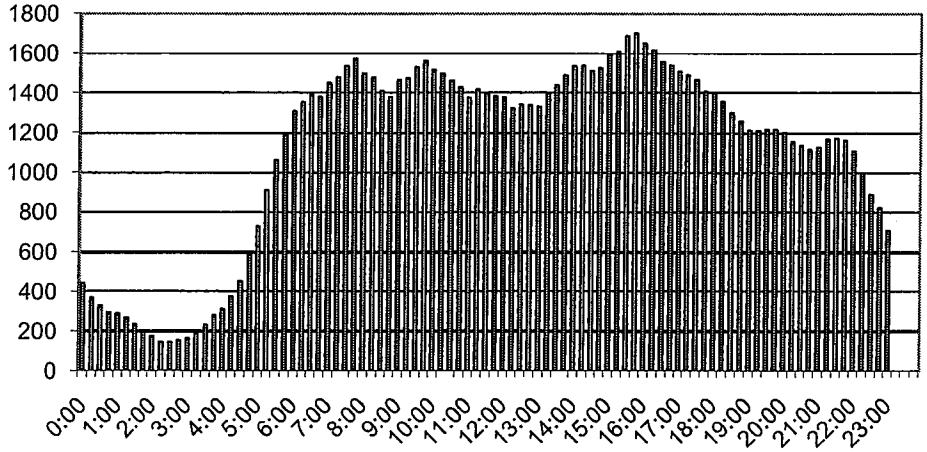
#	LOCATION
9	**Ward Ave** between King St and Beretania St



10	**King St** between Isenberg St and University Ave



11	**McCully St** between Kapiolani Blvd and King St

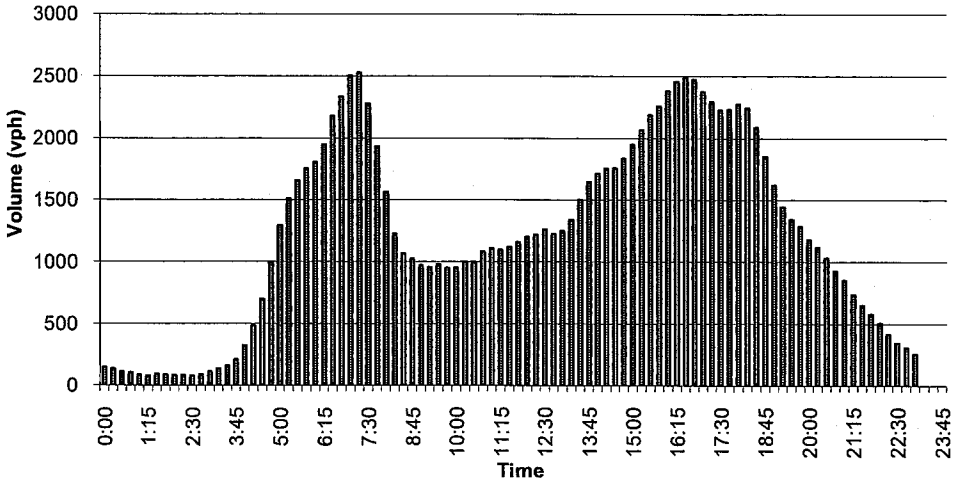


JA83054 Signal Timing
City and County of Honolulu

ADT Analysis
Zone #3

By KOA Corporation

#	LOCATION
1	**Meheula Pkwy**
between	
	Kaapeha St
and	
	H-2



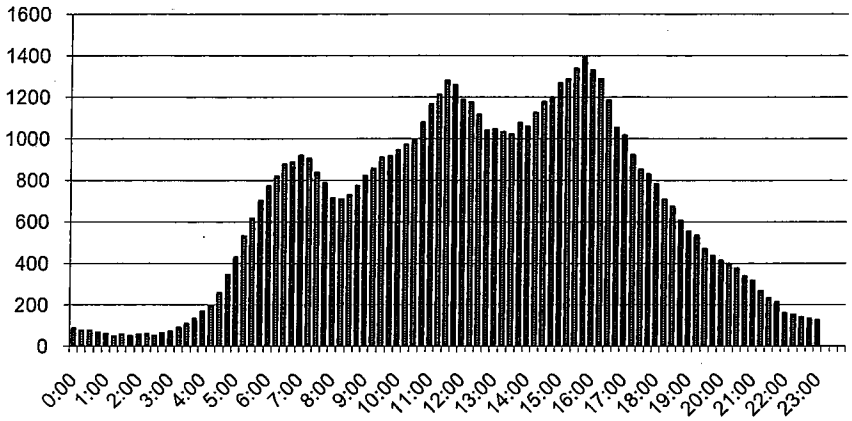
JA83054 Signal Timing
City and County of Honolulu

ADT Analysis
Zone #4

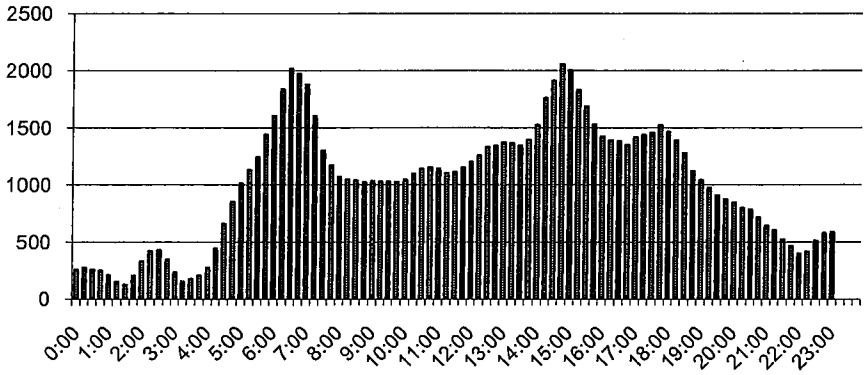
By KOA Corporation

TRAFFIC VOLUME DISTRIBUTION

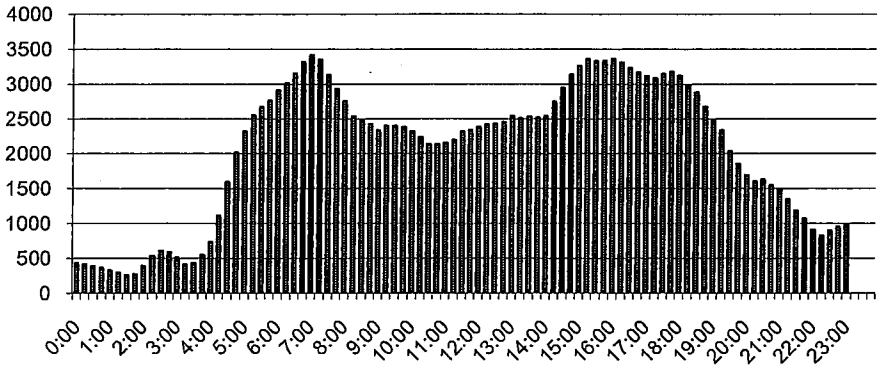
#	LOCATION
1	**Kamokila Blvd** between Farrington Hwy and Kapolei Pkwy



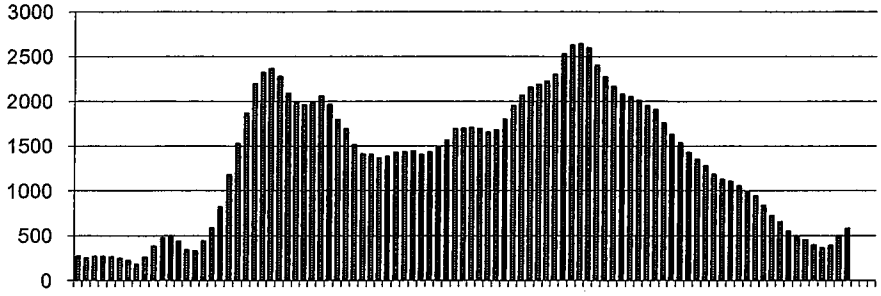
2	**Ft. Barrette Rd** between Kapolei Pkwy and Kamaaha St



3	**Ft. Barrette Rd** between Farrington Hwy and H-1 ramp @ bus stop



4	**Ft. Barrette Rd** between Kamaaha Ave and Farrington Hwy



APPENDIX B

UPDATED FLASHING DON'T WALK INTERVALS

Flashing Don't Walk Interval Calculation Summary for Nimitz Highway / Ala Moana Boulevard

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time Existing (sec)	Calculated (sec)	Recom'd Change (sec)
1	River Street	Nimitz Hwy	North	6	N/A	14	N/A	NC[1]
		Nimitz Hwy	South	6	N/A	14	N/A	NC[1]
		River Street	East	N/A	N/A	N/A	N/A	NC[1]
		River Street	West	N/A	N/A	N/A	N/A	NC[1]
2	Smith Street	Nimitz Hwy	North	6	50	10	15	15
		Nimitz Hwy	South	-	None	-	N/A	-
		Smith Street	East	-	None	-	N/A	-
		Smith Street	West	-	None	-	N/A	-
3	Nuuanu Avenue / Bethel Street	Nimitz Hwy	North	6	35	15	10	NC
		Nimitz Hwy	South	-	None	-	N/A	-
		Nuuanu Avenue	East	-	None	-	N/A	-
		Nuuanu Avenue	West	4	119	26	34	34
3	Nuuanu Avenue / Bethel Street	Nimitz Hwy	North	6	42	15	12	NC
		Nimitz Hwy	South	-	None	-	N/A	-
		Bethel Street	East	-	None	-	N/A	-
		Bethel Street	West	-	None	-	N/A	-
4	Fort Street	Nimitz Hwy	North	-	None	-	N/A	-
		Nimitz Hwy	South	2	59	10	17	17
		Fort Street	East	4	105	25	30	30
		Fort Street	West	-	None	-	N/A	-
5	Bishop Street	Nimitz Hwy	North	2	84	14	24	24
		Nimitz Hwy	South	2	30	14	9	NC
		Bishop Street	East	-	None	-	N/A	-
		Bishop Street	West	4	121	26	35	35
6	Alakea Street	Nimitz Hwy	North	6	70	14	20	20
		Nimitz Hwy	South	-	None	-	N/A	-
		Alakea Street	East	-	None	-	N/A	-
		Alakea Street	West	-	None	-	N/A	-
7	Halekauwila Street / Richards Street	Nimitz Hwy	North	2	28	10	8	NC
		Nimitz Hwy	South	2	27	10	8	NC
		Halekauwila Street / Richards Street	East	4	89	28	26	NC
		Halekauwila Street / Richards Street	West	-	None	-	N/A	-

Note: NC = No Change

[1] Min green should be higher than the requirement for ped crossing

Flashing Don't Walk Interval Calculation Summary for Queen Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		Bishop Street	North	2	42	12	12	14
		Bishop Street	South	2	46	12	14	14
		Queen Street	East	4	74	10	22	22
8	Bishop Street	Queen Street	West	4	58	10	17	22
		Alakea Street	North	2	40	10	12	12
		Alakea Street	South[1]	2	40	10	12	12
		Queen Street	East	4	62	12	18	18
9	Alakea Street	Queen Street	West	4	42	12	12	18
		Richards Streets	North	4	39	10	12	12
		Richards Streets	South	4	38	10	11	11
		Queen Street	East	2	50	13	15	15
10	Richards Street	Queen Street	West	2	50	13	15	15
		Mililani Street	North	-	None	-	N/A	-
		Mililani Street	South	4	41	10	12	12
		Queen Street	East	-	None	-	N/A	-
11	Mililani Street	Queen Street	West	2	50	10	15	15
		Queen Street	North	4	65	19	19	NC
		Queen Street	South	4	53	19	16	19
		Punchbowl Street	East	2	79	15	23	27
12	Punchbowl Street	Punchbowl Street	West	2	93	15	27	27
		South Street	North	2	68	10	20	20
		South Street	South	6	71	10	21	25
		Queen Street	East	4	81	16	24	21
13	South Street	Queen Street	West	4	86	16	25	25

Note: NC = No Change

[1] Has X-Walk and works with the opposite direction phase

Flashing Don't Walk Interval Calculation Summary for Merchant Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		Bethel Street	North	2	39	8	12	12
		Bethel Street	South	2	39	8	12	12
		Merchant Street	East	4	42	0	12	13
14	Bethel Street	Merchant Street	West	4	44	0	13	13
		Bishop Street	North	2	42	10	12	12
		Bishop Street	South	2	41	10	12	12
		Merchant Street	East	4	58	15	17	19
15	Bishop Street	Merchant Street	West	4	66	15	19	19
		Alakea Street	North	2	38	8	11	11
		Alakea Street	South	2	35	8	10	11
		Merchant Street	East	4	44	10	13	13
16	Alakea Street	Merchant Street	West	4	43	10	13	13
		Richards Street	North	4	46	13	14	21
		Richards Street	South	4	39	13	12	21
		Merchant Street	East	2	56	12	16	18
17	Richards Street	Merchant Street	West	2	50	12	15	18

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for King Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		Boulevard	North	-	None	-	N/A	-
	Dillingham	Liliha Street	South	4	94	20	27	27
	Boulevard / Liliha	King Street	East	6	82	16	24	24
18	Street	King Street	West	2	75	14	22	22
		Iwilei Road	North	4	60	13	18	18
		Iwilei Road	South	-	None	-	N/A	-
		King Street	East	2	79	13	23	23
19	Iwilei Road	King Street	West	-	None	-	N/A	-
		River Street	North	4	42	15	12	NC
		River Street	South	-	None	-	N/A	-
		King Street	East	2	36	10	11	14
20	River Street	King Street	West	2	48	10	14	14
		Kekaulike Street	North	4	40	10	12	12
		Kekaulike Street	South	4	37	10	11	12
		King Street	East	2	50	10	15	15
21	Kekaulike Street	King Street	West	-	None	-	N/A	-
		Maunakea Street	North	-	None	-	N/A	-
		Maunakea Street	South	4	38	10	11	11
		King Street	East	2	37	10	11	11
22	Maunakea Street	King Street	West	2	37	10	11	11
		Smith Street	North	4	48	10	14	14
		Smith Street	South	4	42	10	12	14
		King Street	East	2	47	10	14	14
23	Smith Street	King Street	West	2	41	10	12	14
		Nuuanu Avenue	North	4	47	10	14	14
		Nuuanu Avenue	South	4	42	10	12	14
		King Street	East	2	47	10	14	14
24	Nuuanu Avenue	King Street	West	2	39	10	12	14
		Bethel Street	North	4	50	10	15	15
		Bethel Street	South	4	45	10	13	15
		King Street	East	2	41	10	12	14
25	Bethel Street	King Street	West	2	46	10	14	14
		Fort Street Mall	North	4	60	15	18	18
		Fort Street Mall	South	4	60	15	18	18
		King Street	East	4	60	15	18	18
26	Fort Street Mall	King Street	West	4	60	15	18	18
		Bishop Street	North	8	66	17	19	19
		Bishop Street	South	4	62	17	18	18
		King Street	East	2	52	15	15	NC
27	Bishop Street	King Street	West	2	56	15	16	16
		Alakea Street	North	4	74	13	22	22
		Alakea Street	South	6	73	12	21	21
		King Street	East	2	38	11	11	19
28	Alakea Street	King Street	West	2	64	11	19	19
		Richards Street	North	4	63	13	18	21
		Richards Street	South	4	71	13	21	21
		King Street	East	2	57	11	17	18
29	Richards Street	King Street	West	2	61	11	18	18
		Punchbowl Street	North	8	104	20	30	30
		Punchbowl Street	South	4	90	16	26	26
		King Street	East	2	71	15	21	24
30	Punchbowl Street	King Street	West	2	81	15	24	24

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Hotel Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		River Street	North	4	51	6	15	15
		River Street	South	-	None	-	N/A	-
		Hotel Street	East	2	44	6	13	15
31	River Street	Hotel Street	West	2	50	6	15	15
		Maunakea Street	North	4	28	6	8	8
		Maunakea Street	South	4	28	6	8	8
		Hotel Street	East	2	37	6	11	11
32	Maunakea Street	Hotel Street	West	2	36	6	11	11
		Smith Street	North	2	45	6	13	13
		Smith Street	South	6	40	6	12	13
		Hotel Street	East	4	42	6	12	14
33	Smith Street	Hotel Street	West	8	47	6	14	14
		Nuuanu Street	North	4	31	6	9	9
		Nuuanu Street	South	4	26	6	8	9
		Hotel Street	East	2	36	6	11	12
34	Nuuanu Street	Hotel Street	West	2	39	6	12	12
		Bethel Street	North	4	28	6	8	8
		Bethel Street	South	4	28	6	8	8
		Hotel Street	East	2	34	6	10	10
35	Bethel Street	Hotel Street	West	2	34	6	10	10
		Fort Street Mall	North	4	40	7	12	12
		Fort Street Mall	South	4	40	7	12	12
		Hotel Street	East	2	41	7	12	12
36	Fort Street Mall	Hotel Street	West	2	41	7	12	12
		Bishop Street	North	2	34	6	10	11
		Bishop Street	South	2	36	6	11	11
		Hotel Street	East	4	58	15	17	17
37	Bishop Street	Hotel Street	West	4	55	15	16	17
		Alakea Street	North	2	35	15	10	NC
		Alakea Street	South	2	36	15	11	NC
		Hotel Street	East	4	76	15	22	22
38	Alakea Street	Hotel Street	West	4	77	15	22	22

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Beretania Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		King Street	North	4	61	15	18	18
		King Street	South	4	61	15	18	18
		Beretania	East	2	69	15	20	20
39	North King Street	Beretania	West	2	69	15	20	20
		Aala Street	North	4	69	13	20	20
		Aala Street	South	4	65	13	19	20
		Beretania	East	-	None	-	N/A	-
40	Aala Street	Beretania	West	2	74	12	22	22
		River Street	North	4	57	19	17	20
		River Street	South	4	70	19	20	20
		Beretania	East	2	45	10	13	13
41	River Street	Beretania	West	-	None	-	N/A	-
		Maunakea Street	North	4	70	20	20	25
		Maunakea Street	South	4	86	20	25	25
		Beretania	East	2	45	15	13	18
42	Maunakea Street	Beretania	West	2	61	15	18	18
		Smith Street	North	4	68	17	20	20
		Smith Street	South	-	None	-	N/A	-
		Beretania	East	2	46	12	14	14
43	Smith Street	Beretania	West	-	None	-	N/A	-
		Nuuanu Avenue	North	-	None	-	N/A	-
		Nuuanu Avenue	South	4	70	17	20	20
		Beretania	East	2	37	10	11	11
44	Nuuanu Avenue	Beretania	West	6	86	21	25	25
		Bethel Street	North	4	57	14	17	17
		Bethel Street	South	-	None	-	N/A	-
		Beretania	East	2	40	10	12	12
45	Bethel Street	Beretania	West	-	None	-	N/A	-
		Fort Street Mall	North	4	65	17	19	20
		Fort Street Mall	South	4	68	17	20	20
		Beretania	East	-	None	-	N/A	-
46	Fort Street Mall	Beretania	West	2	48	13	14	14
		Bishop Street	North	4	69	12	20	21
		Pali Hwy	South	4	71	12	21	21
		Beretania	East	2	91	12	26	29
47	Bishop Street	Beretania	West	2	100	12	29	29
		Alakea Street	North	4	73	12	21	21
		Queen Emma St	South	4	60	12	18	21
	Alakea Street/	Beretania	East	2	56	12	16	16
48	Queen Emma St	Beretania	West	2	55	12	16	16
		Richards Street	North	4	72	13	21	21
		Richards Street	South	4	63	13	18	21
		Beretania	East	4	55	13	16	16
49	Richards Street	Beretania	West	-	None	-	N/A	-
		Punchbowl Street	North	4	59	17	17	28
		Punchbowl Street	South	4	96	17	28	28
		Beretania	East	2	72	13	21	21
50	Punchbowl Street	Beretania	West	2	60	13	18	21
		Lauhala Street	North	8	62	15	18	18
		Lauhala Street	South	-	None	-	N/A	-
		Beretania	East	2	74	18	22	22
51	Lauhala Street	Beretania	West	2	46	18	14	NC

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Vineyard Boulevard

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		Liliha Street	North	8	112	30	32	32
		Liliha Street	South	4	123	30	36	36
		Vineyard Blvd	East	6	95	22	28	28
52	Liliha Street	Vineyard Blvd	West	2	82	22	24	24
		Aala Street	North	4	114	26	33	33
		Aala Street	South	4	115	26	33	33
		Vineyard Blvd	East	6	91	16	26	26
53	Aala Street	Vineyard Blvd	West	2	89	16	26	26
		Maunakea Street	North	4	103	23	30	30
		Maunakea Street	South	4	None	-	N/A	-
		Vineyard Blvd	East	6	54	14	16	16
54	Maunakea Street	Vineyard Blvd	West	2	None	-	N/A	-
		Nuuanu Avenue	North	4	121	28	35	35
		Nuuanu Avenue	South	8	113	28	33	33
		Vineyard Blvd	East	6	89	28	26	NC
55	Nuuanu Avenue	Vineyard Blvd	West	2	118	28	34	34
		Bishop Street	North	4	140	28	40	40
		Pali Highway	South	8	134	28	39	39
	Pali Highway/Bishop	Vineyard Blvd	East	6	139	28	40	40
56	Street	Vineyard Blvd	West	2	127	28	37	37
		Queen Emma St	North	4	118	29	34	34
		Queen Emma St	South	4	117	29	34	34
		Vineyard Blvd	East	6	91	16	26	26
57	Queen Emma Street	Vineyard Blvd	West	2	97	16	28	28
		Punchbowl Street	North	4	106	25	31	31
		Punchbowl Street	South	4	105	25	30	31
		Vineyard Blvd	East	6	65	15	19	19
58	Punchbowl Street	Vineyard Blvd	West	2	65	15	19	19

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Pali Highway

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		Pali Hwy	North	2	30	12	9	NC
		Pali Hwy	South	4	37	17	11	NC
		H-1 Off Ramp	East	-	None	-	N/A	-
59	H1 Off-ramp	H-1 Off Ramp	West	-	None	-	N/A	-
		Pali Hwy	North	2	52	12	15	15
		Pali Hwy	South	2	34	12	10	NC
		School Street	East	4	87	17	25	25
60	School Street	School Street	West	8	82	17	24	24

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Bishop Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		Bishop Street	North	-	None	-	N/A	-
		Bishop Street	South	-	None	-	N/A	-
	Bishop Square	Bishop Square Crosswalk	East	4	48	10	14	14
61	Crosswalk	Bishop Square Crosswalk	West	4	48	10	14	14
		Bishop Street	North	2	65	15	19	19
		Bishop Street	South	2	38	15	11	NC
		Adams Lane	East	4	50	15	15	NC
62	Adams Lane	Adams Lane	West	-	None	-	N/A	-

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Alakea Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		Alakea Street	North	2	None	-	N/A	-
		Alakea Street	South	2	None	-	N/A	-
		CPB Crosswalk	East	4	54	15	16	16
63	CPB Crosswalk	CPB Crosswalk	West	4	54	15	16	16

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Punchbowl Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		Punchbowl St	North	-	None	-	N/A	-
		Punchbowl St	South	-	None	-	N/A	-
	City Hall	City Hall Crosswalk	East	4	53	14	16	16
64	Crosswalk	City Hall Crosswalk	West	4	53	14	16	16

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Halekauwila Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time			
						Y + AR (sec)	Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		Punchbowl Street	North	2	58	5	12	17	17
		Punchbowl Street	South	2	58	5	12	17	17
		Halekauwila Street	East	4	80	5	12	23	24
65	Punchbowl Street	Halekauwila Street	West	4	83	5	12	24	24

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Kukui Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time			
						Y + AR (sec)	Existing (sec)	Calculated (sec)	Recom'd Change (sec)
67	Nuuanu Avenue	Nuuanu Avenue	North	6	74	6	12	22	22
		Nuuanu Avenue	South	6	63	6	12	18	22
		Kukui Street	East	8	82	5	18	24	26
		Kukui Street	West	8	90	5	18	26	26
68	Maunakea Street	Maunakea Street	North	4	56	5	15	16	16
		Maunakea Street	South	4	51	5	15	15	16
		Kukui Street	East	2	57	5	15	17	20
		Kukui Street	West	2	69	5	15	20	20

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Vineyard boulevard

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Calculated (sec)	Recom'd Change (sec)
		Pua Lane	North	4	115	30	33	33
		Pua Lane	South	4	110	30	32	33
		Vineyard Blvd	East	6	68	21	20	NC
69	Pua Lane	Vineyard Blvd	West	2	67	21	20	NC
		Palama Street	North	4	121	24	35	35
		Palama Street	South	-	None	-	N/A	-
		Vineyard Blvd	East	6	78	18	23	23
70	Palama Street	Vineyard Blvd	West	2	56	18	16	NC

Note: NC = No Change

Int ID	Int.		Direc.	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Calculated (sec)	Recom'd (sec)
1	Kapiolani/South Street/Alapai Street	South Street	North	4	90	16	26	26
		King Street	EN	5	82	15	24	24
		Kapiolani Boulevard	East	2	82	15	24	24
		Alapai Street	West	6	72	10	21	21
2	Ward Avenue	Ward Avenue	North	4	76	11	22	22
		Ward Avenue	South	4	71	11	21	22
		King Street	East	2	74	11	22	22
		King Street	West	2	75	11	22	22
3	Victoria Street	Victoria Street	North	4	78	16	23	23
		Victoria Street	South	4	70	16	20	23
		King Street	East	2	52	12	15	20
		King Street	West	2	70	12	20	20
4	Mckinley HS Crosswalk	McKinley HS Crosswalk	North	4	70	13	20	20
		McKinley HS Crosswalk	South	4	70	13	20	20
		King Street	East	-	None	-	N/A	-
		King Street	West	-	None	-	N/A	-
5	Pensacola Street	Pensacola Street	North	7	84	15	24	24
		Pensacola Street	South	4	80	14	23	23
		King Street	East	2	74	17	22	22
		King Street	West	2	71	17	21	22
6	Piikoi Street	Piikoi Street	North	4	90	14	26	26
		Piikoi Street	South	4	82	14	24	26
		King Street	East	2	81	18	24	26
		King Street	West	2	89	18	26	26
7	Keeaumoku Street	Keeaumoku Street	North	8	80	15	23	23
		Keeaumoku Street	South	8	81	15	24	26
		King Street	East	2	77	18	22	23
		King Street	West	2	79	18	23	23
8	Kaheka Street	Kaheka Street	North	-	None	-	N/A	-
		Kaheka Street	South	4	73	18	21	21
		King Street	East	2	54	12	16	16
		King Street	West	-	None	-	N/A	-
9	Kalakaua Avenue	Kalakaua Avenue	North	8	77	18	22	22
		Kalakaua Avenue	South	4	80	18	23	23
		King Street	East	6	73	19	21	21
		King Street	West	6	70	19	20	21
10	Punahou Street	Punahou Street	North	8	81	17	24	24
		Punahou Street	South	4	93	17	27	27
		King Street	East	2	58	18	17	24
		King Street	West	2	84	18	24	24
11	Pawaa Lane	Pawaa Lane	North	4	66	18	19	19
		Pawaa Lane	South	4	66	18	19	19
		King Street	East	2	22	10	7	NC
		King Street	West	2	22	10	7	NC
12	McCully Street	McCully Street	North	8	74	18	22	22
		McCully Street	South	4	72	18	21	21
		King Street	East	2	67	18	20	30
		King Street	West	2	102	18	30	30
13	Isenberg Street	Isenberg Street	North	4	87	23	25	25
		Isenberg Street	South	4	78	23	23	NC

13	Isenberg Street	King Street	East	2	67	20	20	NC
		King Street	West	2	62	20	18	NC
14	Hausten Street Crosswalk	Housten Street Crosswalk	North	4	57	23	17	NC
		Housten Street Crosswalk	South	4	57	23	17	NC
		King Street	East	-	None	-	N/A	-
		King Street	West	-	None	-	N/A	-
15	University Avenue	University Avenue	North	8	78	14	23	23
		University Avenue	South	4	107	24	31	31
		King Street	East	6	112	22	32	32
		King Street	West	2	84	22	24	24
16	Kahuna Lane	Kahuna Lane	North	4	70	16	20	20
		Kahuna Lane	South	-	None	-	N/A	-
		King Street	East	2	25	7	8	8
		King Street	West	-	None	-	N/A	-

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Young Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Pensacola Street	North	2	45	11	13	16
		Pensacola Street	South	2	53	11	16	16
		Young Street	East	4	62	15	18	18
17	Pensacola Street	Young Street	West	4	53	15	16	18
		Piikoi Street	North	2	47	12	14	16
		Piikoi Street	South	2	56	12	16	16
		Young Street	East	4	78	16	23	23
18	Piikoi Street	Young Street	West	4	52	16	15	23
		Keeaumoku Street	North	4	64	12	19	19
		Keeaumoku Street	South	4	63	12	18	19
		Young Street	East	8	79	18	23	23
19	Keeaumoku Street	Young Street	West	8	72	18	21	23
		Kalakaua Avenue	North	2	58	15	17	19
		Kalakaua Avenue	South	2	65	15	19	19
		Young Street	East	4	71	18	21	23
20	Kalakaua Avenue	Young Street	West	4	80	18	23	23
		Punahou Street	North	2	48	11	14	15
		Punahou Street	South	2	50	11	15	15
		Young Street	East	4	82	18	24	24
21	Punahou Street	Young Street	West	4	82	18	24	24
		McCully Street	North	2	62	14	18	18
		McCully Street	South	2	44	14	13	18
		Young Street	East	4	73	15	21	21
22	McCully Street	Young Street	West	4	67	15	20	21

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Beretania Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Alapai Street	North	4	68	15	20	20
		Alapai Street	South	-	None	-	N/A	-
		Beretania Street	East	2	96	15	28	28
23	Alapai Street	Beretania Street	West	2	64	15	19	28
		Hale Makai Street	North	4	66	20	19	NC
		Hale Makai Street	South	None	None	-	N/A	-
		Beretania Street	East	None	None	-	N/A	-
24	Hale Makai Street	Beretania Street	West	2	43	10	13	13
		Ward Avenue	North	4	59	15	17	17
		Ward Avenue	South	4	59	15	17	17
		Beretania Street	East	8	51	14	15	15
25	Ward Avenue	Beretania Street	West	8	51	14	15	15
		Victoria Street	North	4	68	12	20	20
		Victoria Street	South	4	66	12	19	20
		Beretania Street	East	2	56	10	16	16
26	Victoria Street	Beretania Street	West	2	50	10	15	16
		Pensacola Street	North	4	62	16	18	19
		Pensacola Street	South	4	66	16	19	19
		Beretania Street	East	2	50	12	15	15
27	Pensacola Street	Beretania Street	West	2	44	12	13	15
		Piikoi Street	North	4	58	15	17	17
		Piikoi Street	South	4	59	15	17	17
		Beretania Street	East	2	66	14	19	19
28	Piikoi Street	Beretania Street	West	2	40	14	12	19
		Keeaumoku Street	North	4	66	12	19	19
		Keeaumoku Street	South	8	70	12	20	20
		Beretania Street	East	2	67	12	20	22
29	Keeaumoku Street	Beretania Street	West	2	75	12	22	22
		Foodland Crosswalk	North	4	59	20	17	NC
		Foodland Crosswalk	South	4	59	20	17	NC
	Foodland	Beretania Street	East	-	None	-	N/A	-
30	Crosswalk	Beretania Street	West	-	None	-	N/A	-
		Kalakaua Avenue	North	4	62	15	18	18
		Kalakaua Avenue	South	-	None	-	N/A	-
		Beretania Street	East	2	83	20	24	24
31	Kalakaua Avenue	Beretania Street	West	-	None	-	N/A	-
		Punahou Street	North	4	64	16	19	19
		Punahou Street	South	-	None	-	N/A	-
		Beretania Street	East	2	82	21	24	27
32	Punahou Street	Beretania Street	West	2	92	21	27	27
		Alexander Street	North	4	53	12	16	18
		Alexander Street	South	4	60	12	18	18
		Beretania Street	East	-	None	-	N/A	-
33	Alexander Street	Beretania Street	West	2	62	12	18	18
		McCully Street	North	4	58	12	17	27
		McCully Street	South	4	92	12	27	27
		Beretania Street	East	2	81	12	24	26
34	McCully Street	Beretania Street	West	2	88	12	26	26
		Isenberg Street	North	4	92	12	27	27
		Isenberg Street	South	4	78	12	23	27
		Beretania Street	East	2	59	10	17	17
35	Isenberg Street	Beretania Street	West	2	44	10	13	17

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Kinau Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Ward Avenue	North	2	53	11	16	16
		Ward Avenue	South	2	54	11	16	16
		Kinau Street	East	8	52	11	15	21
36	Ward Avenue	Kinau Street	West	8	71	11	21	21
		Victoria Street	North	4	50	10	15	15
		Victoria Street	South	4	41	10	12	15
		Kinau Street	East	2	48	11	14	14
37	Victoria Street	Kinau Street	West	2	43	11	13	14
		Pensacola Street	North	4	40	9	12	12
		Pensacola Street	South	4	39	9	12	12
		Kinau Street	East	2	45	9	13	13
38	Pensacola Street	Kinau Street	West	2	42	9	12	13
		Piikoi Street	North	2	43	12	13	14
		Piikoi Street	South	2	48	12	14	14
		Kinau Street	East	4	60	12	18	18
39	Piikoi Street	Kinau Street	West	-	None	-	N/A	-
		Keeamoku Street	North	2	58	10	17	17
		Keeamoku Street	South	2	48	10	14	17
		Kinau Street	East	4	81	10	24	24
40	Keeaumoku Street	Kinau Street	West	4	59	10	17	24

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Wilder Avenue

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Metcalf Street	North	4	54	10	16	17
		Metcalf Street	South	4	58	10	17	17
		Wilder Avenue	East	2	50	10	15	15
41	Metcalf Street	Wilder Avenue	West	6	51	10	15	15
		Alexander Street	North	4	58	13	17	17
		Alexander Street	South	4	52	13	15	17
		Wilder Avenue	East	6	55	11	16	16
42	Alexander Street	Wilder Avenue	West	2	42	11	12	12
		Punahou Street	North	8	46	18	14	NC
		Punahou Street	South	4	65	18	19	19
		Wilder Avenue	East	6	64	16	19	19
43	Punahou Street	Wilder Avenue	West	2	82	18	24	24
		Makiki Street	North	4	43	17	13	19
		Makiki Street	South	4	64	17	19	19
		Wilder Avenue	East	2	53	13	16	16
44	Makiki Street	Wilder Avenue	West	2	40	13	12	16
		Keeaumoku Street	North	2	62	16	18	18
		Keeaumoku Street	South	6	59	16	17	17
		Wilder Avenue	East	4	61	16	18	18
45	Keeaumoku Street	Wilder Avenue	West	4	42	16	12	18
		Kewalo Street	North	4	64	18	19	21
		Kewalo Street	South	4	73	18	21	21
		Wilder Avenue	East	6	53	15	16	16
46	Kewalo Street	Wilder Avenue	West	6	39	15	12	16
		Liholiho Street	North	4	58	15	17	17
		Liholiho Street	South	4	42	15	12	17
		Wilder Avenue	East	2	31	10	9	NC
47	Liholiho Street	Wilder Avenue	West	2	29	10	9	NC
		Piikoi Street	North	4	67	18	20	20
		Piikoi Street	South	4	63	18	18	20
		Wilder Avenue	East	2	80	20	23	23
48	Piikoi Street	Wilder Avenue	West	2	48	20	14	23
		Pensacola Street	North	4	62	16	18	18
		Pensacola Street	South	4	43	16	13	18
		Wilder Avenue	East	6	60	15	18	18
49	Pensacola Street	Wilder Avenue	West	2	38	10	11	11

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Ward Avenue

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Suggested (sec)	Recom'd Change (sec)
50	Lunalilo Street	Ward Street	North	2	50	8	15	15
		Ward Street	South	6	27	15	8	NC
		Lunalilo Street	East	4	54	15	16	16
		Lunalilo Street	West	8	53	12	16	16
51	Green Street	Ward Street	North	2	51	15	15	16
		Ward Street	South	2	53	15	16	16
		Green Street	East	-	None	-	N/A	-
		Green Street	West	4	54	15	16	16

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Pensacola Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Pensacola Street	North	4	53	10	16	16
		Pensacola Street	South	-	None	-	N/A	-
		Lunalilo Street	East	2	55	10	16	18
52	Lunalilo Street	Lunalilo Street	West	2	63	10	18	18

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Piikoi Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Piikoi Street	North	2	55	15	16	16
		Piikoi Street	South	-	-	-	-	-
		Lunalilo Street	East	4	60	12	18	18
53	Lunalilo Street	Lunalilo Street	West	4	68	12	20	20

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Keeaumoku Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Keeaumoku Street	North	2	62	11	18	18
		Keeaumoku Street	South	2	55	11	16	18
		Rycroft Street	East	4	85	11	25	25
54	Rycroft Street	Rycroft Street	West	4	76	11	22	25
		Keeaumoku Street	North	2	73	20	21	21
		Keeaumoku Street	South	6	61	20	18	NC
		Kanunu Street	East	-	None	-	N/A	-
55	Kanunu Street	Kanunu Street	West	4	88	23	26	26
		Keeaumoku Street	North	2	57	14	17	17
		Keeaumoku Street	South	2	54	14	16	17
		Makaloa Street	East	4	76	22	22	26
56	Makaloa Street	Makaloa Street	West	4	91	22	26	26
		Keeaumoku Street	North	8	76	18	22	22
		Keeaumoku Street	South	4	64	11	19	19
	Kapiolani Blvd/Ala	Kapiolani Blvd	East	6	80	20	23	23
57	Moana Blvd	Kapiolani Blvd	West	2	80	20	23	23

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Kalakaua Avenue

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Kalakaua Avenue	North	2	55	13	16	16
		Kalakaua Avenue	South	-	None	-	N/A	-
		Philip Street	East	-	None	-	N/A	-
58	Philip Street	Philip Street	West	4	81	23	24	24
		Kalakaua Avenue	North	-	None	-	N/A	-
		Kalakaua Avenue	South	6	65	16	19	19
		Kanunu Street	East	4	69	20	20	NC
59	Kanunu Street	Kanunu Street	West	-	None	-	N/A	-
		Kalakaua Avenue	North	-	None	-	N/A	-
		Kalakaua Avenue	South	6	64	16	19	19
		Makaloa Street	East	4	63	20	18	NC
60	Makaloa Street	Makaloa Street	West	4	69	20	20	NC
		Kalakaua Avenue	North	4	84	11	24	24
		Kalakaua Avenue	South	8	74	11	22	22
		Kapiolani Boulavard	East	-	None	-	N/A	-
61	Kapiolani Blvd	Kapiolani Boulavard	West	2	68	11	20	20

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for McCully Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		McCully Street	North	2	50	10	15	15
		McCully Street	South	2	45	10	13	15
		Algaroba Street	East	4	65	10	19	20
62	Algaroba Street	Algaroba Street	West	4	67	10	20	20
		McCully Street	North	2	56	12	16	16
		McCully Street	South	2	34	12	10	16
		Fern Street	East	4	63	15	18	18
63	Fern Street	Fern Street	West	4	60	15	18	18
		McCully Street	North	6	57	12	17	17
		McCully Street	South	6	49	12	14	17
		Citron Street	East	4	61	15	18	18
64	Citron Street	Citron Street	West	4	60	15	18	18
		McCully Street	North	8	90	22	26	26
		McCully Street	South	4	87	22	25	25
		Kapiolani Blvd	East	6	74	20	22	22
65	Kapiolani Blvd	Kapiolani Blvd	West	2	68	16	20	20

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Punahou Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Punahou Street	North	2	33	15	10	22
		Punahou Street	South	2	76	15	22	22
		Bringham Street	East	4	54	12	16	16
66	Bringham Street	Bringham Street	West	-	None	-	N/A	-
		Punahou Street	North	6	45	12	13	13
		Punahou Street	South	-	None	-	N/A	-
		Dole Street	East	-	None	-	N/A	-
67	Dole Street	Dole Street	West	4	57	16	17	17

Note: NC = No Change

Table 42 - Flashing Don't Walk Interval Calculation Summary for Fern Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Kalakaua Avenue	North	2	42	11	12	12
		Kalakaua Avenue	South	-	None	-	N/A	-
		Fern Street	East	4	58	11	17	17
68	Kalakaua Ave	Fern Street	West	4	57	11	17	17

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Kalakiu Street

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time		
						Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Kalakiu Street	North	2	45	16	13	NC
		Kalakiu Street	South	2	38	16	11	NC
		Beretania St	East	-	None	-	N/A	-
69	Beretania St	Beretania St	West	-	None	-	N/A	-

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Nimitz Highway / Ala Moana Boulevard

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time			
						Y + AR (sec)	Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Kamokila Blvd	North	2	67	6	18	20	20
		Kamokila Blvd	South	6	67	6	18	20	20
		Uluohia Street	East	4	102	6	27	30	30
1	Uluohia Street	Uluohia Street	West	4	103	6	27	30	30
		Kamokila Blvd	North	2	64	6	15	19	19
		Kamokila Blvd	South	6	None	6	-	-	-
		Manawai Street	East	-	None	6	-	-	-
2	Manawai Street	-	West	4	91	6	20	26	26
		Kamokila Blvd	North	2	None	7	-	-	-
		-	South	-	-	-	-	-	-
		Farrington Hwy	East	4	96	5	15	28	28
3	Kamokila Boulevard/Farrington Highway	Farrington Hwy	West	6	47	7	15	14	NC
		Farrington Hwy	East	2	67	7	12	20	20
		Farrington Hwy	West	6	49	6	12	14	14
		Kapowai Place	South	4	103	5	14	30	30
4	Kapowai Place	Kapowai Place	North	8	91	5	14	26	26
		Farrington Hwy	East	2	67	6	15	20	20
		Farrington Hwy	West	6	47	7	15	14	NC
		Kapouka Place	South	4	106	5	20	31	31
5	Kapolei S.C./Kapouka Place	Kapolei S.C.	North	4	92	5	20	27	27
		Farrington Hwy	East	2	92	6	26	27	27
		Farrington Hwy	West	6	108	6	26	31	31
		Makakilo Drive	South	8	99	6	26	29	29
6	Makakilo Drive	Ft. Barrette Avenue	North	4	112	6	26	32	32
		Farrington Hwy	East	2	100	5	34	29	NC
		Farrington Hwy	West	6	None	5	-	-	-
		Kealanani Street	South	-	77	7	-	-	-
7	Kealanani Street	-	North	4	80	7	27	23	NC
		Farrington Hwy	East	2	56	5	15	16	16
		Farrington Hwy	West	6	55	5	15	16	16
		Noulu Street	South	8	87	7	27	25	NC
8	Noulu Street	Noulu Street	North	4	88	7	27	26	NC

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Kapolei Parkway

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time			
						Y + AR (sec)	Existing (sec)	Suggested (sec)	Recom'd Change (sec)
11	Maluohai Street	Kapolei Parkway	North	2	73	6	21	21	NC
		Kapolei Parkway	South	6	79	6	21	23	23
		Maluohai Street	East	4	92	5	25	27	27
		Maluohai Street	West	4	91	5	25	26	26

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Kapolei Parkway

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time			
						Y + AR (sec)	Existing (sec)	Suggested (sec)	Recom'd Change (sec)
		Ft. Barrette	North	2	57	6	29	17	NC
		Ft. Barrette	South	6	112	6	29	32	32
		Kamaaha Ave	East	8	-	5	-	-	-
9	Kamaaha Ave	Kamaaha Ave	West	4	82	5	22	24	24

Note: NC = No Change

Flashing Don't Walk Interval Calculation Summary for Meheula Parkway

#	Intersection		Direction	Phase	Crosswalk Length (ft)	Flashing Don't Walk Time Existing (sec)	Suggested (sec)	Recom'd Change (sec)
1	Lehiwa Drive	Meheula Pkway	North	6	44	12	13	13
		Meheula Pkway	South	2	46	12	14	14
		Lehiwa Drive	East	8	78	18	23	23
		Lehiwa Drive	West	4	79	18	23	23
2	Kaapeha Street	Meheula Pkway	North	6	44	15	13	NC
		Meheula Pkway	South	2	47	15	14	NC
		Kaapeha Street	East	4	96	25	28	28
		Kaapeha Street	West	4	95	25	28	28
3	Koolani Drive	Meheula Pkway	North	6	None	-	-	-
		Meheula Pkway	South	2	85	22	25	25
		Koolani Drive	East	4	92	23	27	27
		Koolani Drive	West	-	-	-	-	-
4	Makaikai Street	Meheula Pkway	North	6	47	15	14	NC
		Meheula Pkway	South	2	50	15	15	NC
		Makaikai Street	East	8	95	20	28	28
		Makaikai Street	West	4	95	20	28	28
5	Ainamakua Drive	Meheula Pkway	North	6	98	15	28	28
		Meheula Pkway	South	2	96	15	28	28
		Ainamakua Drive	East	8	125	15	36	36
		Ainamakua Drive	West	4	108	15	31	31
6	H-2 SB Ramp	Meheula Pkway	North	-	None	-	-	-
		Meheula Pkway	South	2	98	10	28	28
		H-2 SB Ramp	East	-	None	-	-	-
		H-2 SB Ramp	West	-	None	-	-	-
7	H-2 NB Ramp	Meheula Pkway	North	-	None	-	-	-
		Meheula Pkway	South	6	41	15	12	NC
		H-2 NB Ramp	East	-	None	-	-	-
		H-2 NB Ramp	West	-	None	-	-	-

Note: NC = No Change

APPENDIX C

DETAILED NETWORK MOEs REPORT FROM EXISTING AM SYNCHRO NETWORK

(DOWNTOWN, MAKIKI, MILILANI, KAPOLEI)

Alakea St

Direction	NE	All
Total Delay (hr)	23	23
Stops (#)	3240	3240
Average Speed (mph)	10	10
Total Travel Time (hr)	39	39
Distance Traveled (mi)	409	409
Fuel Consumed (gal)	47	47
Fuel Economy (mpg)	8.6	8.6
CO Emissions (kg)	3.32	3.32
NOx Emissions (kg)	0.65	0.65
VOC Emissions (kg)	0.77	0.77
Performance Index	31.7	31.7

Beretania St

Direction	EB	WB	All
Total Delay (hr)	4	48	51
Stops (#)	250	7491	7741
Average Speed (mph)	12	15	15
Total Travel Time (hr)	7	117	124
Distance Traveled (mi)	76	1723	1800
Fuel Consumed (gal)	7	141	148
Fuel Economy (mpg)	11.0	12.2	12.1
CO Emissions (kg)	0.49	9.88	10.37
NOx Emissions (kg)	0.09	1.92	2.02
VOC Emissions (kg)	0.11	2.29	2.40
Performance Index	4.2	68.8	73.0

Bishop St

Direction	SB	NE	All
Total Delay (hr)	52	0	52
Stops (#)	5387	29	5416
Average Speed (mph)	9	5	9
Total Travel Time (hr)	80	0	80
Distance Traveled (mi)	694	2	696
Fuel Consumed (gal)	90	0	90
Fuel Economy (mpg)	7.7	NA	7.7
CO Emissions (kg)	6.29	0.03	6.33
NOx Emissions (kg)	1.22	0.01	1.23
VOC Emissions (kg)	1.46	0.01	1.47
Performance Index	67.0	0.4	67.4

King St

Direction	EB	WB	NB	SB	All
Total Delay (hr)	69	0	7	10	86
Stops (#)	7992	6	889	1529	10416
Average Speed (mph)	12	16	14	14	13
Total Travel Time (hr)	138	0	14	23	176
Distance Traveled (mi)	1719	1	195	324	2239
Fuel Consumed (gal)	159	0	17	28	204
Fuel Economy (mpg)	10.8	NA	11.5	11.7	11.0
CO Emissions (kg)	11.10	0.01	1.19	1.94	14.24
NOx Emissions (kg)	2.16	0.00	0.23	0.38	2.77
VOC Emissions (kg)	2.57	0.00	0.28	0.45	3.30
Performance Index	91.6	0.0	9.0	14.2	114.9

Nimitz Hwy

Direction	NB	SB	All
Total Delay (hr)	38	67	106
Stops (#)	4873	7400	12273
Average Speed (mph)	16	14	15
Total Travel Time (hr)	105	153	258
Distance Traveled (mi)	1658	2150	3808
Fuel Consumed (gal)	121	175	296
Fuel Economy (mpg)	13.7	12.3	12.9
CO Emissions (kg)	8.49	12.20	20.69
NOx Emissions (kg)	1.65	2.37	4.03
VOC Emissions (kg)	1.97	2.83	4.79
Performance Index	52.0	88.0	140.0

Punchbowl St

Direction	WB	NB	SB	All
Total Delay (hr)	2	16	40	57
Stops (#)	180	982	4683	5845
Average Speed (mph)	19	10	13	12
Total Travel Time (hr)	8	26	81	114
Distance Traveled (mi)	145	250	1025	1419
Fuel Consumed (gal)	8	27	93	128
Fuel Economy (mpg)	17.0	9.4	11.0	11.1
CO Emissions (kg)	0.59	1.85	6.51	8.96
NOx Emissions (kg)	0.12	0.36	1.27	1.74
VOC Emissions (kg)	0.14	0.43	1.51	2.08
Performance Index	2.3	18.4	52.7	73.4

Queen St

Direction	SE	NW	All
Total Delay (hr)	5	15	20
Stops (#)	1050	2070	3120
Average Speed (mph)	16	11	13
Total Travel Time (hr)	15	28	42
Distance Traveled (mi)	231	313	544
Fuel Consumed (gal)	18	33	51
Fuel Economy (mpg)	12.6	9.5	10.6
CO Emissions (kg)	1.29	2.31	3.59
NOx Emissions (kg)	0.25	0.45	0.70
VOC Emissions (kg)	0.30	0.53	0.83
Performance Index	8.3	20.8	29.1

Vineyard Blvd

Direction	EB	WB	All
Total Delay (hr)	109	83	192
Stops (#)	6929	5531	12460
Average Speed (mph)	9	10	9
Total Travel Time (hr)	167	137	304
Distance Traveled (mi)	1459	1336	2794
Fuel Consumed (gal)	172	142	314
Fuel Economy (mpg)	8.5	9.4	8.9
CO Emissions (kg)	12.03	9.95	21.98
NOx Emissions (kg)	2.34	1.94	4.28
VOC Emissions (kg)	2.79	2.31	5.09
Performance Index	128.4	98.6	227.0

Network Totals

Number of Intersections	74
Total Delay (hr)	919
Stops (#)	81778
Average Speed (mph)	11
Total Travel Time (hr)	1621
Distance Traveled (mi)	17535
Fuel Consumed (gal)	1776
Fuel Economy (mpg)	9.9
CO Emissions (kg)	124.16
NOx Emissions (kg)	24.16
VOC Emissions (kg)	28.78
Performance Index	1146.6

Beretania St

Direction	WB	All
Total Delay (hr)	158	158
Stops (#)	17427	17427
Average Speed (mph)	16	16
Total Travel Time (hr)	346	346
Distance Traveled (mi)	5671	5671
Fuel Consumed (gal)	445	445
Fuel Economy (mpg)	12.7	12.7
CO Emissions (kg)	31.12	31.12
NOx Emissions (kg)	6.06	6.06
VOC Emissions (kg)	7.21	7.21
Performance Index	206.0	206.0

Kalakaua Ave

Direction	NB	SB	All
Total Delay (hr)	33	29	62
Stops (#)	2987	3032	6019
Average Speed (mph)	11	11	11
Total Travel Time (hr)	52	46	98
Distance Traveled (mi)	560	512	1072
Fuel Consumed (gal)	64	59	123
Fuel Economy (mpg)	8.8	8.7	8.7
CO Emissions (kg)	4.46	4.14	8.60
NOx Emissions (kg)	0.87	0.80	1.67
VOC Emissions (kg)	1.03	0.96	1.99
Performance Index	41.4	37.5	79.0

Keeaumoku St

Direction	NB	SB	All
Total Delay (hr)	17	40	57
Stops (#)	2029	4382	6411
Average Speed (mph)	14	12	13
Total Travel Time (hr)	32	68	100
Distance Traveled (mi)	443	845	1288
Fuel Consumed (gal)	42	88	130
Fuel Economy (mpg)	10.6	9.6	9.9
CO Emissions (kg)	2.93	6.18	9.11
NOx Emissions (kg)	0.57	1.20	1.77
VOC Emissions (kg)	0.68	1.43	2.11
Performance Index	22.7	52.2	74.9

Kinau St

Direction	EB	WB	All
Total Delay (hr)	22	0	23
Stops (#)	3134	48	3182
Average Speed (mph)	17	16	17
Total Travel Time (hr)	50	1	51
Distance Traveled (mi)	838	14	852
Fuel Consumed (gal)	68	1	69
Fuel Economy (mpg)	12.3	12.1	12.3
CO Emissions (kg)	4.77	0.08	4.85
NOx Emissions (kg)	0.93	0.02	0.94
VOC Emissions (kg)	1.11	0.02	1.12
Performance Index	31.2	0.5	31.7

King St

Direction	EB	WB	All
Total Delay (hr)	76	56	132
Stops (#)	10476	2542	13018
Average Speed (mph)	20	5	16
Total Travel Time (hr)	227	68	295
Distance Traveled (mi)	4471	351	4822
Fuel Consumed (gal)	296	69	366
Fuel Economy (mpg)	15.1	5.1	13.2
CO Emissions (kg)	20.71	4.86	25.57
NOx Emissions (kg)	4.03	0.94	4.97
VOC Emissions (kg)	4.80	1.13	5.93
Performance Index	105.5	63.0	168.5

McCully St

Direction	EB	NB	SB	All
Total Delay (hr)	2	57	21	80
Stops (#)	1243	2143	2201	5587
Average Speed (mph)	20	6	12	9
Total Travel Time (hr)	5	71	36	112
Distance Traveled (mi)	108	406	438	952
Fuel Consumed (gal)	13	70	46	129
Fuel Economy (mpg)	8.6	5.8	9.6	7.4
CO Emissions (kg)	0.88	4.92	3.20	9.00
NOx Emissions (kg)	0.17	0.96	0.62	1.75
VOC Emissions (kg)	0.20	1.14	0.74	2.09
Performance Index	5.2	63.1	27.4	95.7

Pensacola St

Direction	SB	All
Total Delay (hr)	45	45
Stops (#)	5881	5881
Average Speed (mph)	11	11
Total Travel Time (hr)	72	72
Distance Traveled (mi)	811	811
Fuel Consumed (gal)	99	99
Fuel Economy (mpg)	8.2	8.2
CO Emissions (kg)	6.93	6.93
NOx Emissions (kg)	1.35	1.35
VOC Emissions (kg)	1.61	1.61
Performance Index	61.6	61.6

Piikoi St

Direction	NB	All
Total Delay (hr)	30	30
Stops (#)	4104	4104
Average Speed (mph)	12	12
Total Travel Time (hr)	50	50
Distance Traveled (mi)	587	587
Fuel Consumed (gal)	69	69
Fuel Economy (mpg)	8.5	8.5
CO Emissions (kg)	4.82	4.82
NOx Emissions (kg)	0.94	0.94
VOC Emissions (kg)	1.12	1.12
Performance Index	41.6	41.6

Punahou St

Direction	NB	SB	All
Total Delay (hr)	22	52	75
Stops (#)	2537	4454	6991
Average Speed (mph)	11	9	10
Total Travel Time (hr)	35	76	111
Distance Traveled (mi)	384	704	1089
Fuel Consumed (gal)	46	92	138
Fuel Economy (mpg)	8.3	7.7	7.9
CO Emissions (kg)	3.23	6.42	9.65
NOx Emissions (kg)	0.63	1.25	1.88
VOC Emissions (kg)	0.75	1.49	2.24
Performance Index	29.3	64.6	93.9

Wilder Ave

Direction	EB	WB	All
Total Delay (hr)	28	39	67
Stops (#)	2952	3776	6728
Average Speed (mph)	15	14	14
Total Travel Time (hr)	55	72	127
Distance Traveled (mi)	805	1004	1809
Fuel Consumed (gal)	70	91	161
Fuel Economy (mpg)	11.5	11.1	11.2
CO Emissions (kg)	4.91	6.33	11.24
NOx Emissions (kg)	0.96	1.23	2.19
VOC Emissions (kg)	1.14	1.47	2.61
Performance Index	36.6	49.2	85.8

Network Totals

Number of Intersections	76
Total Delay (hr)	996
Stops (#)	99888
Average Speed (mph)	13
Total Travel Time (hr)	1796
Distance Traveled (mi)	23953
Fuel Consumed (gal)	2266
Fuel Economy (mpg)	10.6
CO Emissions (kg)	158.41
NOx Emissions (kg)	30.82
VOC Emissions (kg)	36.71
Performance Index	1273.7

Meheula Pkwy

Direction	NB	SB	All
Total Delay (hr)	33	98	131
Stops (#)	2435	7021	9456
Average Speed (mph)	17	14	15
Total Travel Time (hr)	69	174	242
Distance Traveled (mi)	1163	2502	3665
Fuel Consumed (gal)	86	217	303
Fuel Economy (mpg)	13.5	11.5	12.1
CO Emissions (kg)	6.03	15.15	21.18
NOx Emissions (kg)	1.17	2.95	4.12
VOC Emissions (kg)	1.40	3.51	4.91
Performance Index	40.0	117.2	157.3

Network Totals

Number of Intersections	8
Total Delay (hr)	186
Stops (#)	12362
Average Speed (mph)	14
Total Travel Time (hr)	318
Distance Traveled (mi)	4294
Fuel Consumed (gal)	385
Fuel Economy (mpg)	11.1
CO Emissions (kg)	26.93
NOx Emissions (kg)	5.24
VOC Emissions (kg)	6.24
Performance Index	220.2

Farrington Hwy

Direction	EB	WB	SB	All
Total Delay (hr)	29	24	5	58
Stops (#)	2362	2033	524	4919
Average Speed (mph)	15	15	13	15
Total Travel Time (hr)	58	48	9	115
Distance Traveled (mi)	878	734	121	1733
Fuel Consumed (gal)	70	59	12	141
Fuel Economy (mpg)	12.5	12.5	10.4	12.3
CO Emissions (kg)	4.91	4.12	0.81	9.84
NOx Emissions (kg)	0.96	0.80	0.16	1.91
VOC Emissions (kg)	1.14	0.95	0.19	2.28
Performance Index	35.3	29.5	6.5	71.3

Network Totals

Number of Intersections	13
Total Delay (hr)	395
Stops (#)	14955
Average Speed (mph)	10
Total Travel Time (hr)	579
Distance Traveled (mi)	5512
Fuel Consumed (gal)	599
Fuel Economy (mpg)	9.2
CO Emissions (kg)	41.90
NOx Emissions (kg)	8.15
VOC Emissions (kg)	9.71
Performance Index	437.0

APPENDIX D

DETAILED NETWORK MOEs REPORT FROM EXISTING MIDDAY SYNCHRO NETWORK

(DOWNTOWN, MAKIKI, MILILANI, KAPOLEI)

Alakea St

Direction	NB	All
Total Delay (hr)	21	21
Stops (#)	2414	2414
Average Speed (mph)	10	10
Total Travel Time (hr)	37	37
Distance Traveled (mi)	385	385
Fuel Consumed (gal)	42	42
Fuel Economy (mpg)	9.1	9.1
CO Emissions (kg)	2.95	2.95
NOx Emissions (kg)	0.57	0.57
VOC Emissions (kg)	0.68	0.68
Performance Index	28.1	28.1

Beretania St

Direction	EB	WB	All
Total Delay (hr)	3	45	48
Stops (#)	274	7788	8062
Average Speed (mph)	11	15	15
Total Travel Time (hr)	5	111	117
Distance Traveled (mi)	59	1651	1710
Fuel Consumed (gal)	6	137	143
Fuel Economy (mpg)	10.1	12.0	11.9
CO Emissions (kg)	0.40	9.60	10.00
NOx Emissions (kg)	0.08	1.87	1.95
VOC Emissions (kg)	0.09	2.22	2.32
Performance Index	3.6	66.9	70.5

Bishop St

Direction	SB	NE	All
Total Delay (hr)	20	0	20
Stops (#)	2777	25	2802
Average Speed (mph)	11	6	11
Total Travel Time (hr)	35	0	36
Distance Traveled (mi)	391	3	393
Fuel Consumed (gal)	43	0	43
Fuel Economy (mpg)	9.2	NA	9.1
CO Emissions (kg)	2.97	0.03	3.01
NOx Emissions (kg)	0.58	0.01	0.59
VOC Emissions (kg)	0.69	0.01	0.70
Performance Index	27.3	0.4	27.7

King St

Direction	EB	WB	NB	SB	All
Total Delay (hr)	26	0	14	11	51
Stops (#)	5126	6	1150	1048	7330
Average Speed (mph)	16	17	10	11	14
Total Travel Time (hr)	76	0	23	21	120
Distance Traveled (mi)	1243	1	234	234	1712
Fuel Consumed (gal)	95	0	25	23	143
Fuel Economy (mpg)	13.1	NA	9.3	10.2	12.0
CO Emissions (kg)	6.62	0.01	1.76	1.60	9.99
NOx Emissions (kg)	1.29	0.00	0.34	0.31	1.94
VOC Emissions (kg)	1.53	0.00	0.41	0.37	2.31
Performance Index	40.3	0.0	17.1	14.4	71.8

Nimitz Hwy/Ala Moana Blvd

Direction	NB	SB	All
Total Delay (hr)	36	25	61
Stops (#)	5687	2645	8332
Average Speed (mph)	17	17	17
Total Travel Time (hr)	110	75	185
Distance Traveled (mi)	1862	1243	3105
Fuel Consumed (gal)	132	84	216
Fuel Economy (mpg)	14.1	14.8	14.4
CO Emissions (kg)	9.21	5.89	15.10
NOx Emissions (kg)	1.79	1.15	2.94
VOC Emissions (kg)	2.13	1.37	3.50
Performance Index	51.5	32.2	83.7

Punchbowl St

Direction	WB	NB	SB	All
Total Delay (hr)	1	10	31	42
Stops (#)	123	956	3765	4844
Average Speed (mph)	20	13	13	14
Total Travel Time (hr)	6	21	66	93
Distance Traveled (mi)	120	280	866	1267
Fuel Consumed (gal)	7	23	76	106
Fuel Economy (mpg)	18.0	11.9	11.4	11.9
CO Emissions (kg)	0.47	1.64	5.32	7.43
NOx Emissions (kg)	0.09	0.32	1.03	1.44
VOC Emissions (kg)	0.11	0.38	1.23	1.72
Performance Index	1.4	12.5	41.4	55.3

Queen St

Direction	SE	NW	All
Total Delay (hr)	5	13	18
Stops (#)	981	1762	2743
Average Speed (mph)	15	12	13
Total Travel Time (hr)	12	24	37
Distance Traveled (mi)	185	287	472
Fuel Consumed (gal)	16	29	45
Fuel Economy (mpg)	11.7	9.9	10.5
CO Emissions (kg)	1.10	2.03	3.13
NOx Emissions (kg)	0.21	0.39	0.61
VOC Emissions (kg)	0.26	0.47	0.73
Performance Index	7.8	17.6	25.4

Vineyard Blvd

Direction	EB	WB	All
Total Delay (hr)	62	44	105
Stops (#)	5277	3766	9043
Average Speed (mph)	10	12	11
Total Travel Time (hr)	104	82	186
Distance Traveled (mi)	1071	942	2013
Fuel Consumed (gal)	114	89	202
Fuel Economy (mpg)	9.4	10.6	9.9
CO Emissions (kg)	7.94	6.22	14.15
NOx Emissions (kg)	1.54	1.21	2.75
VOC Emissions (kg)	1.84	1.44	3.28
Performance Index	76.2	54.3	130.5

Network Totals

Number of Intersections	74
Total Delay (hr)	570
Stops (#)	63901
Average Speed (mph)	13
Total Travel Time (hr)	1145
Distance Traveled (mi)	14382
Fuel Consumed (gal)	1310
Fuel Economy (mpg)	11.0
CO Emissions (kg)	91.54
NOx Emissions (kg)	17.81
VOC Emissions (kg)	21.22
Performance Index	747.2

Beretania St

Direction	WB	All
Total Delay (hr)	47	47
Stops (#)	10641	10641
Average Speed (mph)	21	21
Total Travel Time (hr)	154	154
Distance Traveled (mi)	3212	3212
Fuel Consumed (gal)	226	226
Fuel Economy (mpg)	14.2	14.2
CO Emissions (kg)	15.78	15.78
NOx Emissions (kg)	3.07	3.07
VOC Emissions (kg)	3.66	3.66
Performance Index	77.0	77.0

Kalakaua Ave

Direction	NB	SB	All
Total Delay (hr)	20	29	49
Stops (#)	2380	3716	6096
Average Speed (mph)	14	12	13
Total Travel Time (hr)	38	48	85
Distance Traveled (mi)	537	553	1089
Fuel Consumed (gal)	50	65	115
Fuel Economy (mpg)	10.8	8.5	9.5
CO Emissions (kg)	3.48	4.52	8.00
NOx Emissions (kg)	0.68	0.88	1.56
VOC Emissions (kg)	0.81	1.05	1.86
Performance Index	26.5	39.5	66.0

Keeaumoku St

Direction	NB	SB	All
Total Delay (hr)	65	40	105
Stops (#)	3323	3829	7152
Average Speed (mph)	7	11	8
Total Travel Time (hr)	84	62	146
Distance Traveled (mi)	558	668	1226
Fuel Consumed (gal)	89	78	167
Fuel Economy (mpg)	6.3	8.6	7.3
CO Emissions (kg)	6.24	5.43	11.67
NOx Emissions (kg)	1.21	1.06	2.27
VOC Emissions (kg)	1.45	1.26	2.70
Performance Index	74.6	50.3	124.9

Kinau St

Direction	EB	WB	All
Total Delay (hr)	22	0	23
Stops (#)	2694	42	2736
Average Speed (mph)	17	14	17
Total Travel Time (hr)	51	1	52
Distance Traveled (mi)	861	9	871
Fuel Consumed (gal)	67	1	67
Fuel Economy (mpg)	12.9	NA	12.9
CO Emissions (kg)	4.65	0.06	4.72
NOx Emissions (kg)	0.91	0.01	0.92
VOC Emissions (kg)	1.08	0.01	1.09
Performance Index	29.6	0.5	30.1

King St

Direction	EB	WB	All
Total Delay (hr)	79	8	87
Stops (#)	12034	979	13013
Average Speed (mph)	19	12	18
Total Travel Time (hr)	274	14	288
Distance Traveled (mi)	5100	166	5266
Fuel Consumed (gal)	332	17	349
Fuel Economy (mpg)	15.4	9.8	15.1
CO Emissions (kg)	23.18	1.18	24.37
NOx Emissions (kg)	4.51	0.23	4.74
VOC Emissions (kg)	5.37	0.27	5.65
Performance Index	112.6	10.5	123.1

McCully St

Direction	NB	SB	All
Total Delay (hr)	92	15	108
Stops (#)	2526	1757	4283
Average Speed (mph)	4	13	6
Total Travel Time (hr)	108	27	135
Distance Traveled (mi)	461	343	804
Fuel Consumed (gal)	101	35	136
Fuel Economy (mpg)	4.6	9.8	5.9
CO Emissions (kg)	7.04	2.45	9.49
NOx Emissions (kg)	1.37	0.48	1.85
VOC Emissions (kg)	1.63	0.57	2.20
Performance Index	99.5	20.3	119.8

Pensacola St

Direction	SB	All
Total Delay (hr)	24	24
Stops (#)	4483	4483
Average Speed (mph)	13	13
Total Travel Time (hr)	43	43
Distance Traveled (mi)	564	564
Fuel Consumed (gal)	66	66
Fuel Economy (mpg)	8.6	8.6
CO Emissions (kg)	4.59	4.59
NOx Emissions (kg)	0.89	0.89
VOC Emissions (kg)	1.06	1.06
Performance Index	36.5	36.5

Piikoi St

Direction	NB	All
Total Delay (hr)	25	25
Stops (#)	4262	4262
Average Speed (mph)	15	15
Total Travel Time (hr)	50	50
Distance Traveled (mi)	742	742
Fuel Consumed (gal)	73	73
Fuel Economy (mpg)	10.2	10.2
CO Emissions (kg)	5.08	5.08
NOx Emissions (kg)	0.99	0.99
VOC Emissions (kg)	1.18	1.18
Performance Index	37.2	37.2

Punahou St

Direction	NB	SB	All
Total Delay (hr)	13	39	52
Stops (#)	1715	2424	4139
Average Speed (mph)	14	9	11
Total Travel Time (hr)	24	56	80
Distance Traveled (mi)	334	513	847
Fuel Consumed (gal)	32	63	96
Fuel Economy (mpg)	10.3	8.1	8.9
CO Emissions (kg)	2.26	4.42	6.68
NOx Emissions (kg)	0.44	0.86	1.30
VOC Emissions (kg)	0.52	1.02	1.55
Performance Index	17.3	45.9	63.2

Wilder Ave

Direction	EB	WB	All
Total Delay (hr)	7	10	17
Stops (#)	977	1412	2389
Average Speed (mph)	18	17	18
Total Travel Time (hr)	18	24	41
Distance Traveled (mi)	326	408	734
Fuel Consumed (gal)	24	32	56
Fuel Economy (mpg)	13.7	12.8	13.2
CO Emissions (kg)	1.66	2.23	3.90
NOx Emissions (kg)	0.32	0.43	0.76
VOC Emissions (kg)	0.39	0.52	0.90
Performance Index	9.5	14.0	23.5

Network Totals

Number of Intersections	77
Total Delay (hr)	778
Stops (#)	84476
Average Speed (mph)	14
Total Travel Time (hr)	1492
Distance Traveled (mi)	20588
Fuel Consumed (gal)	1880
Fuel Economy (mpg)	11.0
CO Emissions (kg)	131.41
NOx Emissions (kg)	25.57
VOC Emissions (kg)	30.46
Performance Index	1012.8

Meheula Pkwy

Direction	NB	SB	All
Total Delay (hr)	43	10	53
Stops (#)	1459	1391	2850
Average Speed (mph)	11	23	15
Total Travel Time (hr)	66	31	96
Distance Traveled (mi)	742	697	1438
Fuel Consumed (gal)	71	44	114
Fuel Economy (mpg)	10.5	16.0	12.6
CO Emissions (kg)	4.93	3.05	7.98
NOx Emissions (kg)	0.96	0.59	1.55
VOC Emissions (kg)	1.14	0.71	1.85
Performance Index	47.2	13.4	60.6

Network Totals

Number of Intersections	8
Total Delay (hr)	58
Stops (#)	3731
Average Speed (mph)	16
Total Travel Time (hr)	114
Distance Traveled (mi)	1793
Fuel Consumed (gal)	138
Fuel Economy (mpg)	13.0
CO Emissions (kg)	9.62
NOx Emissions (kg)	1.87
VOC Emissions (kg)	2.23
Performance Index	68.5

Farrington Hwy

Direction	EB	WB	SB	All
Total Delay (hr)	30	18	3	51
Stops (#)	2372	1565	433	4370
Average Speed (mph)	13	14	16	14
Total Travel Time (hr)	53	35	7	95
Distance Traveled (mi)	697	493	113	1302
Fuel Consumed (gal)	64	42	9	115
Fuel Economy (mpg)	11.0	11.6	11.9	11.3
CO Emissions (kg)	4.44	2.96	0.66	8.06
NOx Emissions (kg)	0.86	0.58	0.13	1.57
VOC Emissions (kg)	1.03	0.69	0.15	1.87
Performance Index	36.2	22.6	4.5	63.4

Network Totals

Number of Intersections	13
Total Delay (hr)	132
Stops (#)	11250
Average Speed (mph)	16
Total Travel Time (hr)	275
Distance Traveled (mi)	4291
Fuel Consumed (gal)	336
Fuel Economy (mpg)	12.8
CO Emissions (kg)	23.47
NOx Emissions (kg)	4.57
VOC Emissions (kg)	5.44
Performance Index	163.6

APPENDIX E

DETAILED NETWORK MOEs REPORT FROM EXISTING PM SYNCHRO NETWORK

(DOWNTOWN, MAKIKI, MILILANI, KAPOLEI)

Alakea St

Direction	NB	All
Total Delay (hr)	31	31
Stops (#)	4465	4465
Average Speed (mph)	12	12
Total Travel Time (hr)	58	58
Distance Traveled (mi)	696	696
Fuel Consumed (gal)	71	71
Fuel Economy (mpg)	9.8	9.8
CO Emissions (kg)	4.95	4.95
NOx Emissions (kg)	0.96	0.96
VOC Emissions (kg)	1.15	1.15
Performance Index	42.9	42.9

Beretania St

Direction	EB	WB	All
Total Delay (hr)	5	55	60
Stops (#)	458	10823	11281
Average Speed (mph)	9	16	16
Total Travel Time (hr)	8	154	162
Distance Traveled (mi)	70	2456	2527
Fuel Consumed (gal)	9	193	201
Fuel Economy (mpg)	8.2	12.8	12.6
CO Emissions (kg)	0.60	13.46	14.06
NOx Emissions (kg)	0.12	2.62	2.74
VOC Emissions (kg)	0.14	3.12	3.26
Performance Index	6.3	85.5	91.7

Bishop St

Direction	SB	NE	All
Total Delay (hr)	25	1	26
Stops (#)	3751	81	3832
Average Speed (mph)	11	5	10
Total Travel Time (hr)	44	1	45
Distance Traveled (mi)	465	7	472
Fuel Consumed (gal)	54	1	55
Fuel Economy (mpg)	8.7	4.6	8.6
CO Emissions (kg)	3.76	0.10	3.86
NOx Emissions (kg)	0.73	0.02	0.75
VOC Emissions (kg)	0.87	0.02	0.89
Performance Index	35.6	1.3	36.9

King St

Direction	EB	WB	NB	SB	All
Total Delay (hr)	63	0	82	25	170
Stops (#)	8910	13	1998	1483	12404
Average Speed (mph)	13	11	4	8	9
Total Travel Time (hr)	138	0	97	37	271
Distance Traveled (mi)	1858	1	369	299	2526
Fuel Consumed (gal)	164	0	84	37	286
Fuel Economy (mpg)	11.3	NA	4.4	8.0	8.8
CO Emissions (kg)	11.47	0.01	5.89	2.61	19.98
NOx Emissions (kg)	2.23	0.00	1.15	0.51	3.89
VOC Emissions (kg)	2.66	0.00	1.36	0.61	4.63
Performance Index	88.1	0.1	87.4	29.0	204.6

Nimitz Hwy/Ala Moana Blvd

Direction	NB	SB	All
Total Delay (hr)	181	66	247
Stops (#)	8081	5144	13225
Average Speed (mph)	9	13	10
Total Travel Time (hr)	278	141	419
Distance Traveled (mi)	2439	1873	4311
Fuel Consumed (gal)	273	152	425
Fuel Economy (mpg)	8.9	12.3	10.1
CO Emissions (kg)	19.09	10.65	29.73
NOx Emissions (kg)	3.71	2.07	5.79
VOC Emissions (kg)	4.42	2.47	6.89
Performance Index	203.1	80.2	283.3

Punchbowl St

Direction	WB	NB	SB	All
Total Delay (hr)	1	19	20	40
Stops (#)	107	1410	2463	3980
Average Speed (mph)	20	11	14	13
Total Travel Time (hr)	4	35	46	86
Distance Traveled (mi)	82	394	652	1128
Fuel Consumed (gal)	5	37	54	96
Fuel Economy (mpg)	17.6	10.6	12.1	11.8
CO Emissions (kg)	0.33	2.61	3.75	6.69
NOx Emissions (kg)	0.06	0.51	0.73	1.30
VOC Emissions (kg)	0.08	0.60	0.87	1.55
Performance Index	1.1	23.2	27.2	51.5

Queen St

Direction	SE	NW	All
Total Delay (hr)	9	19	28
Stops (#)	1477	2227	3704
Average Speed (mph)	14	10	12
Total Travel Time (hr)	20	32	52
Distance Traveled (mi)	275	333	608
Fuel Consumed (gal)	25	37	62
Fuel Economy (mpg)	11.2	8.9	9.8
CO Emissions (kg)	1.71	2.61	4.33
NOx Emissions (kg)	0.33	0.51	0.84
VOC Emissions (kg)	0.40	0.61	1.00
Performance Index	12.9	25.1	38.1

Vineyard

Direction	EB	WB	All
Total Delay (hr)	99	59	158
Stops (#)	7534	4945	12479
Average Speed (mph)	9	11	10
Total Travel Time (hr)	158	105	262
Distance Traveled (mi)	1462	1142	2604
Fuel Consumed (gal)	167	113	281
Fuel Economy (mpg)	8.7	10.1	9.3
CO Emissions (kg)	11.69	7.93	19.62
NOx Emissions (kg)	2.27	1.54	3.82
VOC Emissions (kg)	2.71	1.84	4.55
Performance Index	120.0	72.6	192.6

Network Totals

Number of Intersections	74
Total Delay (hr)	1050
Stops (#)	89887
Average Speed (mph)	11
Total Travel Time (hr)	1812
Distance Traveled (mi)	19068
Fuel Consumed (gal)	1972
Fuel Economy (mpg)	9.7
CO Emissions (kg)	137.83
NOx Emissions (kg)	26.82
VOC Emissions (kg)	31.94
Performance Index	1299.4

Beretania St

Direction	WB	All
Total Delay (hr)	67	67
Stops (#)	12154	12154
Average Speed (mph)	20	20
Total Travel Time (hr)	193	193
Distance Traveled (mi)	3808	3808
Fuel Consumed (gal)	273	273
Fuel Economy (mpg)	14.0	14.0
CO Emissions (kg)	19.06	19.06
NOx Emissions (kg)	3.71	3.71
VOC Emissions (kg)	4.42	4.42
Performance Index	100.3	100.3

Kalakaua Ave

Direction	NB	SB	All
Total Delay (hr)	38	25	63
Stops (#)	3820	2885	6705
Average Speed (mph)	11	12	11
Total Travel Time (hr)	60	41	101
Distance Traveled (mi)	665	495	1159
Fuel Consumed (gal)	76	54	131
Fuel Economy (mpg)	8.7	9.1	8.9
CO Emissions (kg)	5.33	3.80	9.13
NOx Emissions (kg)	1.04	0.74	1.78
VOC Emissions (kg)	1.23	0.88	2.12
Performance Index	48.5	32.7	81.2

Keeaumoku St

Direction	NB	SB	All
Total Delay (hr)	54	40	94
Stops (#)	5787	4031	9818
Average Speed (mph)	12	11	11
Total Travel Time (hr)	89	63	152
Distance Traveled (mi)	1034	696	1730
Fuel Consumed (gal)	114	80	194
Fuel Economy (mpg)	9.0	8.7	8.9
CO Emissions (kg)	8.00	5.59	13.59
NOx Emissions (kg)	1.56	1.09	2.64
VOC Emissions (kg)	1.85	1.30	3.15
Performance Index	70.5	50.9	121.4

Kinau St

Direction	EB	WB	All
Total Delay (hr)	22	2	24
Stops (#)	3013	185	3198
Average Speed (mph)	18	8	17
Total Travel Time (hr)	56	2	58
Distance Traveled (mi)	994	18	1012
Fuel Consumed (gal)	74	3	77
Fuel Economy (mpg)	13.4	5.8	13.1
CO Emissions (kg)	5.17	0.21	5.38
NOx Emissions (kg)	1.01	0.04	1.05
VOC Emissions (kg)	1.20	0.05	1.25
Performance Index	30.8	2.2	33.0

King St

Direction	EB	WB	All
Total Delay (hr)	164	10	174
Stops (#)	20332	1313	21645
Average Speed (mph)	17	10	16
Total Travel Time (hr)	448	16	465
Distance Traveled (mi)	7421	170	7591
Fuel Consumed (gal)	530	20	550
Fuel Economy (mpg)	14.0	8.6	13.8
CO Emissions (kg)	37.07	1.38	38.45
NOx Emissions (kg)	7.21	0.27	7.48
VOC Emissions (kg)	8.59	0.32	8.91
Performance Index	220.4	13.3	233.7

McCully

Direction	EB	NB	SB	All
Total Delay (hr)	2	30	20	52
Stops (#)	1413	2488	2137	6038
Average Speed (mph)	22	12	13	13
Total Travel Time (hr)	7	49	36	93
Distance Traveled (mi)	159	565	486	1210
Fuel Consumed (gal)	16	59	47	121
Fuel Economy (mpg)	10.1	9.6	10.4	10.0
CO Emissions (kg)	1.10	4.13	3.25	8.49
NOx Emissions (kg)	0.21	0.80	0.63	1.65
VOC Emissions (kg)	0.26	0.96	0.75	1.97
Performance Index	5.9	37.0	26.1	69.0

Pensacola St

Direction	SB	All
Total Delay (hr)	31	31
Stops (#)	3842	3842
Average Speed (mph)	11	11
Total Travel Time (hr)	51	51
Distance Traveled (mi)	581	581
Fuel Consumed (gal)	68	68
Fuel Economy (mpg)	8.5	8.5
CO Emissions (kg)	4.76	4.76
NOx Emissions (kg)	0.93	0.93
VOC Emissions (kg)	1.10	1.10
Performance Index	42.1	42.1

Piikoi St

Direction	NB	All
Total Delay (hr)	75	75
Stops (#)	7253	7253
Average Speed (mph)	9	9
Total Travel Time (hr)	107	107
Distance Traveled (mi)	967	967
Fuel Consumed (gal)	135	135
Fuel Economy (mpg)	7.2	7.2
CO Emissions (kg)	9.44	9.44
NOx Emissions (kg)	1.84	1.84
VOC Emissions (kg)	2.19	2.19
Performance Index	95.3	95.3

Punahou St

Direction	NB	SB	All
Total Delay (hr)	31	30	61
Stops (#)	2831	2776	5607
Average Speed (mph)	11	11	11
Total Travel Time (hr)	48	46	94
Distance Traveled (mi)	509	482	991
Fuel Consumed (gal)	59	57	116
Fuel Economy (mpg)	8.6	8.4	8.5
CO Emissions (kg)	4.14	3.99	8.13
NOx Emissions (kg)	0.81	0.78	1.58
VOC Emissions (kg)	0.96	0.92	1.88
Performance Index	38.8	37.5	76.3

Wilder Ave

Direction	EB	WB	All
Total Delay (hr)	19	34	53
Stops (#)	2175	3406	5581
Average Speed (mph)	16	15	16
Total Travel Time (hr)	41	69	110
Distance Traveled (mi)	651	1071	1722
Fuel Consumed (gal)	53	88	140
Fuel Economy (mpg)	12.3	12.2	12.3
CO Emissions (kg)	3.69	6.12	9.80
NOx Emissions (kg)	0.72	1.19	1.91
VOC Emissions (kg)	0.85	1.42	2.27
Performance Index	25.0	43.0	68.1

Network Totals

Number of Intersections	76
Total Delay (hr)	1011
Stops (#)	109665
Average Speed (mph)	14
Total Travel Time (hr)	1943
Distance Traveled (mi)	26790
Fuel Consumed (gal)	2441
Fuel Economy (mpg)	11.0
CO Emissions (kg)	170.61
NOx Emissions (kg)	33.20
VOC Emissions (kg)	39.54
Performance Index	1315.9

Meheula Pkwy

Direction	NB	SB	All
Total Delay (hr)	34	26	61
Stops (#)	4527	3771	8298
Average Speed (mph)	20	20	20
Total Travel Time (hr)	90	69	159
Distance Traveled (mi)	1844	1393	3237
Fuel Consumed (gal)	128	99	227
Fuel Economy (mpg)	14.4	14.0	14.3
CO Emissions (kg)	8.93	6.94	15.86
NOx Emissions (kg)	1.74	1.35	3.09
VOC Emissions (kg)	2.07	1.61	3.68
Performance Index	46.8	36.9	83.7

Network Totals

Number of Intersections	8
Total Delay (hr)	149
Stops (#)	10995
Average Speed (mph)	15
Total Travel Time (hr)	274
Distance Traveled (mi)	4033
Fuel Consumed (gal)	339
Fuel Economy (mpg)	11.9
CO Emissions (kg)	23.72
NOx Emissions (kg)	4.62
VOC Emissions (kg)	5.50
Performance Index	179.4

Farrington Hwy

Direction	EB	WB	SB	All
Total Delay (hr)	49	25	3	77
Stops (#)	3819	1762	301	5882
Average Speed (mph)	12	14	17	13
Total Travel Time (hr)	81	47	7	135
Distance Traveled (mi)	970	644	123	1737
Fuel Consumed (gal)	97	55	9	161
Fuel Economy (mpg)	10.0	11.7	13.7	10.8
CO Emissions (kg)	6.78	3.83	0.63	11.24
NOx Emissions (kg)	1.32	0.75	0.12	2.19
VOC Emissions (kg)	1.57	0.89	0.14	2.60
Performance Index	59.7	30.3	3.9	93.8

Network Totals

Number of Intersections	13
Total Delay (hr)	239
Stops (#)	15532
Average Speed (mph)	13
Total Travel Time (hr)	422
Distance Traveled (mi)	5492
Fuel Consumed (gal)	487
Fuel Economy (mpg)	11.3
CO Emissions (kg)	34.07
NOx Emissions (kg)	6.63
VOC Emissions (kg)	7.90
Performance Index	282.5

APPENDIX F

DETAILED NETWORK MOEs REPORT FROM EXISTING WEEKEND SYNCHRO NETWORK

(MAKIKI, KAPOLEI)

Beretania St

Direction	WB	All
Total Delay (hr)	47	47
Stops (#)	10387	10387
Average Speed (mph)	21	21
Total Travel Time (hr)	154	154
Distance Traveled (mi)	3228	3228
Fuel Consumed (gal)	225	225
Fuel Economy (mpg)	14.4	14.4
CO Emissions (kg)	15.71	15.71
NOx Emissions (kg)	3.06	3.06
VOC Emissions (kg)	3.64	3.64
Performance Index	75.8	75.8

Kalakaua Ave

Direction	NB	SB	All
Total Delay (hr)	21	29	50
Stops (#)	2380	3645	6025
Average Speed (mph)	14	12	13
Total Travel Time (hr)	39	47	86
Distance Traveled (mi)	527	556	1083
Fuel Consumed (gal)	50	64	114
Fuel Economy (mpg)	10.5	8.7	9.5
CO Emissions (kg)	3.51	4.48	7.99
NOx Emissions (kg)	0.68	0.87	1.55
VOC Emissions (kg)	0.81	1.04	1.85
Performance Index	27.5	38.9	66.4

Keeaumoku St

Direction	NB	SB	All
Total Delay (hr)	35	50	85
Stops (#)	4174	5072	9246
Average Speed (mph)	12	11	11
Total Travel Time (hr)	57	79	136
Distance Traveled (mi)	675	868	1543
Fuel Consumed (gal)	76	100	177
Fuel Economy (mpg)	8.8	8.7	8.7
CO Emissions (kg)	5.34	7.00	12.35
NOx Emissions (kg)	1.04	1.36	2.40
VOC Emissions (kg)	1.24	1.62	2.86
Performance Index	46.5	63.8	110.3

Kinau St

Direction	EB	WB	All
Total Delay (hr)	21	0	22
Stops (#)	2775	49	2824
Average Speed (mph)	18	14	18
Total Travel Time (hr)	52	1	52
Distance Traveled (mi)	908	10	918
Fuel Consumed (gal)	68	1	69
Fuel Economy (mpg)	13.3	10.4	13.2
CO Emissions (kg)	4.78	0.07	4.85
NOx Emissions (kg)	0.93	0.01	0.94
VOC Emissions (kg)	1.11	0.02	1.12
Performance Index	29.0	0.6	29.6

King St

Direction	EB	WB	All
Total Delay (hr)	132	9	141
Stops (#)	13167	795	13962
Average Speed (mph)	15	10	15
Total Travel Time (hr)	340	15	355
Distance Traveled (mi)	5192	160	5352
Fuel Consumed (gal)	381	17	398
Fuel Economy (mpg)	13.6	9.6	13.5
CO Emissions (kg)	26.62	1.17	27.79
NOx Emissions (kg)	5.18	0.23	5.41
VOC Emissions (kg)	6.17	0.27	6.44
Performance Index	168.6	11.1	179.7

McCully St

Direction	NB	SB	All
Total Delay (hr)	30	16	45
Stops (#)	2655	1778	4433
Average Speed (mph)	10	13	11
Total Travel Time (hr)	45	27	72
Distance Traveled (mi)	464	343	808
Fuel Consumed (gal)	56	35	91
Fuel Economy (mpg)	8.3	9.7	8.9
CO Emissions (kg)	3.90	2.47	6.37
NOx Emissions (kg)	0.76	0.48	1.24
VOC Emissions (kg)	0.90	0.57	1.48
Performance Index	37.3	20.5	57.8

Pensacola St

Direction	SB	All
Total Delay (hr)	37	37
Stops (#)	4944	4944
Average Speed (mph)	12	12
Total Travel Time (hr)	61	61
Distance Traveled (mi)	716	716
Fuel Consumed (gal)	84	84
Fuel Economy (mpg)	8.6	8.6
CO Emissions (kg)	5.85	5.85
NOx Emissions (kg)	1.14	1.14
VOC Emissions (kg)	1.35	1.35
Performance Index	50.4	50.4

Piikoi St

Direction	NB	All
Total Delay (hr)	37	37
Stops (#)	5851	5851
Average Speed (mph)	12	12
Total Travel Time (hr)	63	63
Distance Traveled (mi)	758	758
Fuel Consumed (gal)	91	91
Fuel Economy (mpg)	8.3	8.3
CO Emissions (kg)	6.35	6.35
NOx Emissions (kg)	1.24	1.24
VOC Emissions (kg)	1.47	1.47
Performance Index	53.6	53.6

Punahou St

Direction	NB	SB	All
Total Delay (hr)	11	44	55
Stops (#)	1609	2550	4159
Average Speed (mph)	15	8	10
Total Travel Time (hr)	22	61	84
Distance Traveled (mi)	334	513	847
Fuel Consumed (gal)	31	67	98
Fuel Economy (mpg)	10.8	7.6	8.6
CO Emissions (kg)	2.17	4.72	6.88
NOx Emissions (kg)	0.42	0.92	1.34
VOC Emissions (kg)	0.50	1.09	1.60
Performance Index	15.8	51.1	67.0

Wilder Ave

Direction	EB	WB	All
Total Delay (hr)	7	11	18
Stops (#)	956	1437	2393
Average Speed (mph)	19	17	17
Total Travel Time (hr)	18	25	42
Distance Traveled (mi)	326	408	734
Fuel Consumed (gal)	24	33	56
Fuel Economy (mpg)	13.8	12.4	13.0
CO Emissions (kg)	1.65	2.30	3.95
NOx Emissions (kg)	0.32	0.45	0.77
VOC Emissions (kg)	0.38	0.53	0.92
Performance Index	9.4	15.0	24.4

Network Totals

Number of Intersections	75
Total Delay (hr)	772
Stops (#)	87906
Average Speed (mph)	14
Total Travel Time (hr)	1510
Distance Traveled (mi)	21079
Fuel Consumed (gal)	1916
Fuel Economy (mpg)	11.0
CO Emissions (kg)	133.93
NOx Emissions (kg)	26.06
VOC Emissions (kg)	31.04
Performance Index	1015.9

Farrington Hwy

Direction	EB	WB	SB	All
Total Delay (hr)	36	24	4	64
Stops (#)	2731	1900	411	5042
Average Speed (mph)	12	14	15	13
Total Travel Time (hr)	62	44	7	113
Distance Traveled (mi)	757	598	106	1461
Fuel Consumed (gal)	73	53	9	135
Fuel Economy (mpg)	10.4	11.3	11.5	10.8
CO Emissions (kg)	5.10	3.69	0.64	9.43
NOx Emissions (kg)	0.99	0.72	0.13	1.84
VOC Emissions (kg)	1.18	0.85	0.15	2.19
Performance Index	44.1	29.3	4.6	78.0

Network Totals

Number of Intersections	13
Total Delay (hr)	155
Stops (#)	12693
Average Speed (mph)	15
Total Travel Time (hr)	309
Distance Traveled (mi)	4616
Fuel Consumed (gal)	374
Fuel Economy (mpg)	12.4
CO Emissions (kg)	26.12
NOx Emissions (kg)	5.08
VOC Emissions (kg)	6.05
Performance Index	190.1

APPENDIX G

DETAILED NETWORK MOEs REPORT FROM OPTIMIZED AM SYNCHRO NETWORK

(DOWNTOWN, MAKIKI, MILILANI, KAPOLEI)

Alakea St

Direction	NE	All
Total Delay (hr)	19	19
Stops (#)	2811	2811
Average Speed (mph)	11	11
Total Travel Time (hr)	36	36
Distance Traveled (mi)	409	409
Fuel Consumed (gal)	43	43
Fuel Economy (mpg)	9.4	9.4
CO Emissions (kg)	3.03	3.03
NOx Emissions (kg)	0.59	0.59
VOC Emissions (kg)	0.70	0.70
Performance Index	27.2	27.2

Beretania St

Direction	EB	WB	All
Total Delay (hr)	3	43	46
Stops (#)	376	6159	6535
Average Speed (mph)	13	15	15
Total Travel Time (hr)	6	112	118
Distance Traveled (mi)	76	1724	1800
Fuel Consumed (gal)	7	133	140
Fuel Economy (mpg)	11.1	13.0	12.9
CO Emissions (kg)	0.48	9.28	9.76
NOx Emissions (kg)	0.09	1.81	1.90
VOC Emissions (kg)	0.11	2.15	2.26
Performance Index	3.8	60.2	64.0

Bishop St

Direction	SB	NE	All
Total Delay (hr)	29	0	29
Stops (#)	2588	26	2614
Average Speed (mph)	12	6	12
Total Travel Time (hr)	56	0	57
Distance Traveled (mi)	694	2	696
Fuel Consumed (gal)	62	0	63
Fuel Economy (mpg)	11.2	NA	11.1
CO Emissions (kg)	4.34	0.03	4.37
NOx Emissions (kg)	0.84	0.01	0.85
VOC Emissions (kg)	1.01	0.01	1.01
Performance Index	35.8	0.4	36.2

King St

Direction	EB	WB	NB	SB	All
Total Delay (hr)	51	0	15	30	96
Stops (#)	6937	10	1255	2327	10529
Average Speed (mph)	14	12	8	8	12
Total Travel Time (hr)	120	0	23	44	187
Distance Traveled (mi)	1719	1	194	346	2260
Fuel Consumed (gal)	141	0	25	46	213
Fuel Economy (mpg)	12.2	NA	7.8	7.4	10.6
CO Emissions (kg)	9.88	0.01	1.73	3.25	14.87
NOx Emissions (kg)	1.92	0.00	0.34	0.63	2.89
VOC Emissions (kg)	2.29	0.00	0.40	0.75	3.45
Performance Index	70.4	0.1	18.9	36.4	125.7

Nimitz Hwy

Direction	NB	SB	All
Total Delay (hr)	45	67	112
Stops (#)	4906	7301	12207
Average Speed (mph)	15	14	14
Total Travel Time (hr)	111	153	265
Distance Traveled (mi)	1656	2148	3804
Fuel Consumed (gal)	126	174	300
Fuel Economy (mpg)	13.1	12.3	12.7
CO Emissions (kg)	8.82	12.17	20.99
NOx Emissions (kg)	1.72	2.37	4.08
VOC Emissions (kg)	2.05	2.82	4.87
Performance Index	58.6	87.8	146.4

Punchbowl St

Direction	WB	NB	SB	All
Total Delay (hr)	3	11	40	54
Stops (#)	529	795	3813	5137
Average Speed (mph)	16	12	13	13
Total Travel Time (hr)	9	21	81	111
Distance Traveled (mi)	145	250	1025	1419
Fuel Consumed (gal)	11	22	90	123
Fuel Economy (mpg)	13.0	11.3	11.4	11.5
CO Emissions (kg)	0.77	1.55	6.28	8.61
NOx Emissions (kg)	0.15	0.30	1.22	1.67
VOC Emissions (kg)	0.18	0.36	1.46	1.99
Performance Index	4.9	13.0	50.4	68.3

Queen St

Direction	SE	NW	All
Total Delay (hr)	8	10	19
Stops (#)	1185	1652	2837
Average Speed (mph)	13	14	13
Total Travel Time (hr)	17	23	40
Distance Traveled (mi)	231	313	544
Fuel Consumed (gal)	21	28	49
Fuel Economy (mpg)	11.1	11.1	11.1
CO Emissions (kg)	1.46	1.96	3.42
NOx Emissions (kg)	0.28	0.38	0.67
VOC Emissions (kg)	0.34	0.46	0.79
Performance Index	11.4	15.1	26.5

Vineyard Blvd

Direction	EB	WB	All
Total Delay (hr)	88	77	165
Stops (#)	6681	4792	11473
Average Speed (mph)	10	10	10
Total Travel Time (hr)	151	130	281
Distance Traveled (mi)	1564	1336	2899
Fuel Consumed (gal)	161	135	295
Fuel Economy (mpg)	9.7	9.9	9.8
CO Emissions (kg)	11.23	9.42	20.65
NOx Emissions (kg)	2.19	1.83	4.02
VOC Emissions (kg)	2.60	2.18	4.79
Performance Index	106.9	90.1	197.0

Network Totals

Number of Intersections	74
Total Delay (hr)	794
Stops (#)	73740
Average Speed (mph)	12
Total Travel Time (hr)	1500
Distance Traveled (mi)	17641
Fuel Consumed (gal)	1658
Fuel Economy (mpg)	10.6
CO Emissions (kg)	115.93
NOx Emissions (kg)	22.56
VOC Emissions (kg)	26.87
Performance Index	999.1

Beretania St

Direction	All
Total Delay (hr)	0
Stops (#)	0
Average Speed (mph)	0
Total Travel Time (hr)	0
Distance Traveled (mi)	0
Fuel Consumed (gal)	0
Fuel Economy (mpg)	NA
CO Emissions (kg)	0.00
NOx Emissions (kg)	0.00
VOC Emissions (kg)	0.00
Performance Index	0.0

Kalakaua Ave

Direction	All
Total Delay (hr)	0
Stops (#)	0
Average Speed (mph)	0
Total Travel Time (hr)	0
Distance Traveled (mi)	0
Fuel Consumed (gal)	0
Fuel Economy (mpg)	NA
CO Emissions (kg)	0.00
NOx Emissions (kg)	0.00
VOC Emissions (kg)	0.00
Performance Index	0.0

Keeaumoku St

Direction	All
Total Delay (hr)	0
Stops (#)	0
Average Speed (mph)	0
Total Travel Time (hr)	0
Distance Traveled (mi)	0
Fuel Consumed (gal)	0
Fuel Economy (mpg)	NA
CO Emissions (kg)	0.00
NOx Emissions (kg)	0.00
VOC Emissions (kg)	0.00
Performance Index	0.0

Kinau St

Direction	All
Total Delay (hr)	0
Stops (#)	0
Average Speed (mph)	0
Total Travel Time (hr)	0
Distance Traveled (mi)	0
Fuel Consumed (gal)	0
Fuel Economy (mpg)	NA
CO Emissions (kg)	0.00
NOx Emissions (kg)	0.00
VOC Emissions (kg)	0.00
Performance Index	0.0

King St

Direction	EB	All
Total Delay (hr)	18	18
Stops (#)	1611	1611
Average Speed (mph)	12	12
Total Travel Time (hr)	31	31
Distance Traveled (mi)	389	389
Fuel Consumed (gal)	38	38
Fuel Economy (mpg)	10.1	10.1
CO Emissions (kg)	2.69	2.69
NOx Emissions (kg)	0.52	0.52
VOC Emissions (kg)	0.62	0.62
Performance Index	22.9	22.9

McCully St

Direction	All
Total Delay (hr)	0
Stops (#)	0
Average Speed (mph)	0
Total Travel Time (hr)	0
Distance Traveled (mi)	0
Fuel Consumed (gal)	0
Fuel Economy (mpg)	NA
CO Emissions (kg)	0.00
NOx Emissions (kg)	0.00
VOC Emissions (kg)	0.00
Performance Index	0.0

Pensacola St

Direction	All
Total Delay (hr)	0
Stops (#)	0
Average Speed (mph)	0
Total Travel Time (hr)	0
Distance Traveled (mi)	0
Fuel Consumed (gal)	0
Fuel Economy (mpg)	NA
CO Emissions (kg)	0.00
NOx Emissions (kg)	0.00
VOC Emissions (kg)	0.00
Performance Index	0.0

Piikoi St

Direction	All
Total Delay (hr)	0
Stops (#)	0
Average Speed (mph)	0
Total Travel Time (hr)	0
Distance Traveled (mi)	0
Fuel Consumed (gal)	0
Fuel Economy (mpg)	NA
CO Emissions (kg)	0.00
NOx Emissions (kg)	0.00
VOC Emissions (kg)	0.00
Performance Index	0.0

Punahou St

Direction	All
Total Delay (hr)	0
Stops (#)	0
Average Speed (mph)	0
Total Travel Time (hr)	0
Distance Traveled (mi)	0
Fuel Consumed (gal)	0
Fuel Economy (mpg)	NA
CO Emissions (kg)	0.00
NOx Emissions (kg)	0.00
VOC Emissions (kg)	0.00
Performance Index	0.0

Wilder Ave

Direction	All
Total Delay (hr)	0
Stops (#)	0
Average Speed (mph)	0
Total Travel Time (hr)	0
Distance Traveled (mi)	0
Fuel Consumed (gal)	0
Fuel Economy (mpg)	NA
CO Emissions (kg)	0.00
NOx Emissions (kg)	0.00
VOC Emissions (kg)	0.00
Performance Index	0.0

Zone DT Totals

Number of Intersections	2
Total Delay (hr)	47
Stops (#)	3828
Average Speed (mph)	10
Total Travel Time (hr)	73
Distance Traveled (mi)	751
Fuel Consumed (gal)	85
Fuel Economy (mpg)	8.8
CO Emissions (kg)	5.95
NOx Emissions (kg)	1.16
VOC Emissions (kg)	1.38
Performance Index	57.3

Meheula Pkwy

Direction	NB	SB	All
Total Delay (hr)	25	65	90
Stops (#)	2154	6255	8409
Average Speed (mph)	19	18	18
Total Travel Time (hr)	60	141	201
Distance Traveled (mi)	1163	2503	3666
Fuel Consumed (gal)	78	188	266
Fuel Economy (mpg)	14.8	13.3	13.8
CO Emissions (kg)	5.48	13.11	18.59
NOx Emissions (kg)	1.07	2.55	3.62
VOC Emissions (kg)	1.27	3.04	4.31
Performance Index	31.0	82.1	113.1

Network Totals

Number of Intersections	8
Total Delay (hr)	143
Stops (#)	11439
Average Speed (mph)	16
Total Travel Time (hr)	275
Distance Traveled (mi)	4298
Fuel Consumed (gal)	348
Fuel Economy (mpg)	12.4
CO Emissions (kg)	24.29
NOx Emissions (kg)	4.73
VOC Emissions (kg)	5.63
Performance Index	174.5

Farrington Hwy

Direction	EB	WB	SB	All
Total Delay (hr)	26	24	2	52
Stops (#)	2477	1960	258	4695
Average Speed (mph)	16	15	20	16
Total Travel Time (hr)	55	48	6	109
Distance Traveled (mi)	878	719	121	1719
Fuel Consumed (gal)	69	58	8	135
Fuel Economy (mpg)	12.7	12.4	15.2	12.7
CO Emissions (kg)	4.82	4.05	0.56	9.43
NOx Emissions (kg)	0.94	0.79	0.11	1.84
VOC Emissions (kg)	1.12	0.94	0.13	2.19
Performance Index	33.0	29.4	2.8	65.2

Network Totals

Number of Intersections	13
Total Delay (hr)	375
Stops (#)	14663
Average Speed (mph)	10
Total Travel Time (hr)	563
Distance Traveled (mi)	5639
Fuel Consumed (gal)	588
Fuel Economy (mpg)	9.6
CO Emissions (kg)	41.09
NOx Emissions (kg)	7.99
VOC Emissions (kg)	9.52
Performance Index	415.5

APPENDIX H

DETAILED NETWORK MOEs REPORT FROM OPTIMIZED MIDDAY SYNCHRO NETWORK

(DOWNTOWN, MAKIKI, MILILANI, KAPOLEI)

Alakea St

Direction	NB	All
Total Delay (hr)	13	13
Stops (#)	2607	2607
Average Speed (mph)	13	13
Total Travel Time (hr)	29	29
Distance Traveled (mi)	385	385
Fuel Consumed (gal)	37	37
Fuel Economy (mpg)	10.4	10.4
CO Emissions (kg)	2.60	2.60
NOx Emissions (kg)	0.51	0.51
VOC Emissions (kg)	0.60	0.60
Performance Index	20.7	20.7

Beretania St

Direction	EB	WB	All
Total Delay (hr)	2	42	44
Stops (#)	236	7435	7671
Average Speed (mph)	13	15	15
Total Travel Time (hr)	5	108	113
Distance Traveled (mi)	59	1651	1710
Fuel Consumed (gal)	5	134	139
Fuel Economy (mpg)	11.4	12.3	12.3
CO Emissions (kg)	0.36	9.35	9.71
NOx Emissions (kg)	0.07	1.82	1.89
VOC Emissions (kg)	0.08	2.17	2.25
Performance Index	2.8	62.9	65.7

Bishop St

Direction	SB	NE	All
Total Delay (hr)	12	0	12
Stops (#)	1981	24	2005
Average Speed (mph)	14	6	14
Total Travel Time (hr)	28	0	28
Distance Traveled (mi)	391	3	393
Fuel Consumed (gal)	34	0	34
Fuel Economy (mpg)	11.5	NA	11.4
CO Emissions (kg)	2.38	0.03	2.41
NOx Emissions (kg)	0.46	0.01	0.47
VOC Emissions (kg)	0.55	0.01	0.56
Performance Index	17.6	0.4	18.0

King St

Direction	EB	WB	NB	SB	All
Total Delay (hr)	33	0	15	18	67
Stops (#)	5470	10	1149	1583	8212
Average Speed (mph)	15	12	9	8	13
Total Travel Time (hr)	83	0	25	28	135
Distance Traveled (mi)	1243	1	234	234	1713
Fuel Consumed (gal)	101	0	26	30	158
Fuel Economy (mpg)	12.3	NA	8.9	7.8	10.9
CO Emissions (kg)	7.08	0.01	1.83	2.10	11.02
NOx Emissions (kg)	1.38	0.00	0.36	0.41	2.14
VOC Emissions (kg)	1.64	0.00	0.42	0.49	2.55
Performance Index	48.5	0.1	18.5	22.6	89.8

Nimitz Hwy/Ala Moana Blvd

Direction	NB	SB	All
Total Delay (hr)	47	29	76
Stops (#)	5194	2641	7835
Average Speed (mph)	15	16	16
Total Travel Time (hr)	121	79	200
Distance Traveled (mi)	1859	1241	3100
Fuel Consumed (gal)	138	87	225
Fuel Economy (mpg)	13.5	14.2	13.8
CO Emissions (kg)	9.62	6.11	15.74
NOx Emissions (kg)	1.87	1.19	3.06
VOC Emissions (kg)	2.23	1.42	3.65
Performance Index	61.0	36.7	97.7

Punchbowl St

Direction	WB	NB	SB	All
Total Delay (hr)	3	9	29	41
Stops (#)	457	812	2974	4243
Average Speed (mph)	15	14	14	14
Total Travel Time (hr)	8	20	64	91
Distance Traveled (mi)	120	280	866	1267
Fuel Consumed (gal)	9	22	72	103
Fuel Economy (mpg)	12.9	12.7	12.1	12.3
CO Emissions (kg)	0.65	1.54	5.01	7.20
NOx Emissions (kg)	0.13	0.30	0.97	1.40
VOC Emissions (kg)	0.15	0.36	1.16	1.67
Performance Index	4.2	10.8	37.3	52.4

Queen St

Direction	SE	NW	All
Total Delay (hr)	5	7	13
Stops (#)	873	980	1853
Average Speed (mph)	15	15	15
Total Travel Time (hr)	13	19	32
Distance Traveled (mi)	190	287	477
Fuel Consumed (gal)	16	22	38
Fuel Economy (mpg)	12.0	13.0	12.6
CO Emissions (kg)	1.10	1.54	2.65
NOx Emissions (kg)	0.21	0.30	0.52
VOC Emissions (kg)	0.26	0.36	0.61
Performance Index	7.8	10.1	17.9

Vineyard Blvd

Direction	EB	WB	All
Total Delay (hr)	59	46	104
Stops (#)	4909	3358	8267
Average Speed (mph)	11	11	11
Total Travel Time (hr)	102	83	185
Distance Traveled (mi)	1071	942	2013
Fuel Consumed (gal)	110	89	199
Fuel Economy (mpg)	9.7	10.6	10.1
CO Emissions (kg)	7.69	6.19	13.88
NOx Emissions (kg)	1.50	1.20	2.70
VOC Emissions (kg)	1.78	1.44	3.22
Performance Index	72.3	54.8	127.2

Network Totals

Number of Intersections	74
Total Delay (hr)	567
Stops (#)	59420
Average Speed (mph)	13
Total Travel Time (hr)	1143
Distance Traveled (mi)	14383
Fuel Consumed (gal)	1291
Fuel Economy (mpg)	11.1
CO Emissions (kg)	90.22
NOx Emissions (kg)	17.55
VOC Emissions (kg)	20.91
Performance Index	732.5

Beretania St

Direction	WB	All
Total Delay (hr)	59	59
Stops (#)	11092	11092
Average Speed (mph)	18	18
Total Travel Time (hr)	216	216
Distance Traveled (mi)	3920	3920
Fuel Consumed (gal)	262	262
Fuel Economy (mpg)	15.0	15.0
CO Emissions (kg)	18.31	18.31
NOx Emissions (kg)	3.56	3.56
VOC Emissions (kg)	4.24	4.24
Performance Index	89.6	89.6

Kalakaua Ave

Direction	NB	SB	All
Total Delay (hr)	27	21	48
Stops (#)	2704	2699	5403
Average Speed (mph)	12	14	13
Total Travel Time (hr)	45	39	84
Distance Traveled (mi)	529	554	1083
Fuel Consumed (gal)	57	53	110
Fuel Economy (mpg)	9.3	10.5	9.9
CO Emissions (kg)	3.96	3.70	7.66
NOx Emissions (kg)	0.77	0.72	1.49
VOC Emissions (kg)	0.92	0.86	1.78
Performance Index	34.7	28.3	63.0

Keeaumoku St

Direction	NB	SB	All
Total Delay (hr)	34	26	60
Stops (#)	2787	3615	6402
Average Speed (mph)	11	14	12
Total Travel Time (hr)	52	49	101
Distance Traveled (mi)	557	675	1231
Fuel Consumed (gal)	63	67	130
Fuel Economy (mpg)	8.8	10.1	9.5
CO Emissions (kg)	4.42	4.68	9.09
NOx Emissions (kg)	0.86	0.91	1.77
VOC Emissions (kg)	1.02	1.08	2.11
Performance Index	41.6	36.2	77.8

Kinau St

Direction	EB	WB	All
Total Delay (hr)	20	0	20
Stops (#)	2647	39	2686
Average Speed (mph)	18	14	18
Total Travel Time (hr)	48	1	49
Distance Traveled (mi)	861	9	871
Fuel Consumed (gal)	64	1	65
Fuel Economy (mpg)	13.4	NA	13.3
CO Emissions (kg)	4.50	0.06	4.56
NOx Emissions (kg)	0.88	0.01	0.89
VOC Emissions (kg)	1.04	0.01	1.06
Performance Index	26.9	0.4	27.3

King St

Direction	EB	WB	All
Total Delay (hr)	93	6	100
Stops (#)	12441	798	13239
Average Speed (mph)	18	10	17
Total Travel Time (hr)	304	11	314
Distance Traveled (mi)	5338	105	5443
Fuel Consumed (gal)	354	13	367
Fuel Economy (mpg)	15.1	8.4	14.8
CO Emissions (kg)	24.78	0.88	25.66
NOx Emissions (kg)	4.82	0.17	4.99
VOC Emissions (kg)	5.74	0.20	5.95
Performance Index	127.7	8.7	136.4

McCully St

Direction	NB	SB	All
Total Delay (hr)	19	14	32
Stops (#)	2092	1734	3826
Average Speed (mph)	14	13	13
Total Travel Time (hr)	34	24	58
Distance Traveled (mi)	458	319	777
Fuel Consumed (gal)	44	33	77
Fuel Economy (mpg)	10.4	9.8	10.1
CO Emissions (kg)	3.08	2.28	5.36
NOx Emissions (kg)	0.60	0.44	1.04
VOC Emissions (kg)	0.71	0.53	1.24
Performance Index	24.4	18.4	42.8

Pensacola St

Direction	SB	All
Total Delay (hr)	29	29
Stops (#)	3939	3939
Average Speed (mph)	12	12
Total Travel Time (hr)	48	48
Distance Traveled (mi)	564	564
Fuel Consumed (gal)	66	66
Fuel Economy (mpg)	8.5	8.5
CO Emissions (kg)	4.63	4.63
NOx Emissions (kg)	0.90	0.90
VOC Emissions (kg)	1.07	1.07
Performance Index	39.9	39.9

Piikoi St

Direction	NB	All
Total Delay (hr)	31	31
Stops (#)	3514	3514
Average Speed (mph)	13	13
Total Travel Time (hr)	56	56
Distance Traveled (mi)	732	732
Fuel Consumed (gal)	72	72
Fuel Economy (mpg)	10.1	10.1
CO Emissions (kg)	5.06	5.06
NOx Emissions (kg)	0.98	0.98
VOC Emissions (kg)	1.17	1.17
Performance Index	40.9	40.9

Punahou St

Direction	NB	SB	All
Total Delay (hr)	14	29	43
Stops (#)	1757	3137	4894
Average Speed (mph)	14	11	12
Total Travel Time (hr)	25	46	72
Distance Traveled (mi)	347	513	860
Fuel Consumed (gal)	34	60	94
Fuel Economy (mpg)	10.2	8.6	9.1
CO Emissions (kg)	2.39	4.19	6.58
NOx Emissions (kg)	0.47	0.82	1.28
VOC Emissions (kg)	0.55	0.97	1.53
Performance Index	18.8	38.0	56.8

Wilder Ave

Direction	EB	WB	All
Total Delay (hr)	6	9	16
Stops (#)	889	1182	2071
Average Speed (mph)	19	18	18
Total Travel Time (hr)	17	23	40
Distance Traveled (mi)	326	408	734
Fuel Consumed (gal)	23	30	53
Fuel Economy (mpg)	14.2	13.5	13.8
CO Emissions (kg)	1.60	2.11	3.71
NOx Emissions (kg)	0.31	0.41	0.72
VOC Emissions (kg)	0.37	0.49	0.86
Performance Index	8.7	12.6	21.3

Network Totals

Number of Intersections	79
Total Delay (hr)	664
Stops (#)	80065
Average Speed (mph)	15
Total Travel Time (hr)	1443
Distance Traveled (mi)	21273
Fuel Consumed (gal)	1793
Fuel Economy (mpg)	11.9
CO Emissions (kg)	125.30
NOx Emissions (kg)	24.38
VOC Emissions (kg)	29.04
Performance Index	886.3

Meheula Pkwy

Direction	NB	SB	All
Total Delay (hr)	16	6	22
Stops (#)	1301	1034	2335
Average Speed (mph)	19	26	22
Total Travel Time (hr)	38	27	65
Distance Traveled (mi)	741	696	1438
Fuel Consumed (gal)	49	39	88
Fuel Economy (mpg)	15.0	18.0	16.3
CO Emissions (kg)	3.45	2.70	6.16
NOx Emissions (kg)	0.67	0.53	1.20
VOC Emissions (kg)	0.80	0.63	1.43
Performance Index	19.4	8.9	28.4

Network Totals

Number of Intersections	8
Total Delay (hr)	27
Stops (#)	3206
Average Speed (mph)	22
Total Travel Time (hr)	83
Distance Traveled (mi)	1792
Fuel Consumed (gal)	112
Fuel Economy (mpg)	16.1
CO Emissions (kg)	7.79
NOx Emissions (kg)	1.52
VOC Emissions (kg)	1.81
Performance Index	36.3

Farrington Hwy

Direction	EB	WB	NB	SB	All
Total Delay (hr)	28	17	11	8	64
Stops (#)	2291	1700	1326	1015	6332
Average Speed (mph)	14	15	16	18	15
Total Travel Time (hr)	51	35	23	21	131
Distance Traveled (mi)	697	525	374	386	1981
Fuel Consumed (gal)	62	44	31	27	164
Fuel Economy (mpg)	11.2	12.0	12.2	14.1	12.1
CO Emissions (kg)	4.34	3.06	2.15	1.91	11.45
NOx Emissions (kg)	0.84	0.59	0.42	0.37	2.23
VOC Emissions (kg)	1.00	0.71	0.50	0.44	2.65
Performance Index	34.6	22.1	14.6	10.8	82.1

Network Totals

Number of Intersections	13
Total Delay (hr)	116
Stops (#)	11213
Average Speed (mph)	17
Total Travel Time (hr)	259
Distance Traveled (mi)	4291
Fuel Consumed (gal)	324
Fuel Economy (mpg)	13.2
CO Emissions (kg)	22.64
NOx Emissions (kg)	4.41
VOC Emissions (kg)	5.25
Performance Index	147.5

APPENDIX I

DETAILED NETWORK MOEs REPORT FROM OPTIMIZED PM SYNCHRO NETWORK

(DOWNTOWN, MAKIKI, MILILANI, KAPOLEI)

Alakea St

Direction	NB	All
Total Delay (hr)	27	27
Stops (#)	4810	4810
Average Speed (mph)	13	13
Total Travel Time (hr)	54	54
Distance Traveled (mi)	696	696
Fuel Consumed (gal)	69	69
Fuel Economy (mpg)	10.1	10.1
CO Emissions (kg)	4.84	4.84
NOx Emissions (kg)	0.94	0.94
VOC Emissions (kg)	1.12	1.12
Performance Index	39.9	39.9

Beretania St

Direction	EB	WB	All
Total Delay (hr)	6	110	116
Stops (#)	399	9943	10342
Average Speed (mph)	8	12	12
Total Travel Time (hr)	8	208	217
Distance Traveled (mi)	70	2456	2527
Fuel Consumed (gal)	9	229	238
Fuel Economy (mpg)	7.9	10.7	10.6
CO Emissions (kg)	0.62	16.03	16.64
NOx Emissions (kg)	0.12	3.12	3.24
VOC Emissions (kg)	0.14	3.71	3.86
Performance Index	6.8	137.6	144.4

Bishop St

Direction	NB	SB	All
Total Delay (hr)	42	42	84
Stops (#)	2321	4133	6454
Average Speed (mph)	7	11	9
Total Travel Time (hr)	57	77	135
Distance Traveled (mi)	380	886	1266
Fuel Consumed (gal)	57	86	143
Fuel Economy (mpg)	6.7	10.3	8.8
CO Emissions (kg)	3.97	6.04	10.01
NOx Emissions (kg)	0.77	1.18	1.95
VOC Emissions (kg)	0.92	1.40	2.32
Performance Index	48.5	53.4	101.9

king st

Direction	EB	WB	NB	SB	All
Total Delay (hr)	73	0	29	15	117
Stops (#)	7470	11	2127	1308	10916
Average Speed (mph)	13	11	9	11	12
Total Travel Time (hr)	147	0	45	26	218
Distance Traveled (mi)	1858	1	391	284	2534
Fuel Consumed (gal)	165	0	47	29	241
Fuel Economy (mpg)	11.2	NA	8.3	9.9	10.5
CO Emissions (kg)	11.57	0.01	3.28	2.01	16.87
NOx Emissions (kg)	2.25	0.00	0.64	0.39	3.28
VOC Emissions (kg)	2.68	0.00	0.76	0.47	3.91
Performance Index	93.4	0.1	34.8	18.6	146.9

Nimitz Hwy/Ala Moana Blvd

Direction	NB	SB	All
Total Delay (hr)	311	63	373
Stops (#)	8629	4629	13258
Average Speed (mph)	6	14	8
Total Travel Time (hr)	408	137	545
Distance Traveled (mi)	2436	1871	4307
Fuel Consumed (gal)	370	148	518
Fuel Economy (mpg)	6.6	12.7	8.3
CO Emissions (kg)	25.89	10.33	36.21
NOx Emissions (kg)	5.04	2.01	7.05
VOC Emissions (kg)	6.00	2.39	8.39
Performance Index	334.6	75.4	410.0

Punchbowl St

Direction	WB	NB	SB	All
Total Delay (hr)	3	15	23	41
Stops (#)	381	1415	2251	4047
Average Speed (mph)	13	13	13	13
Total Travel Time (hr)	6	31	49	86
Distance Traveled (mi)	82	394	651	1127
Fuel Consumed (gal)	7	34	55	96
Fuel Economy (mpg)	11.2	11.5	11.9	11.7
CO Emissions (kg)	0.52	2.40	3.82	6.73
NOx Emissions (kg)	0.10	0.47	0.74	1.31
VOC Emissions (kg)	0.12	0.56	0.88	1.56
Performance Index	4.1	19.1	29.0	52.2

Queen St

Direction	SE	NW	All
Total Delay (hr)	9	9	19
Stops (#)	1321	1040	2361
Average Speed (mph)	13	15	14
Total Travel Time (hr)	20	23	43
Distance Traveled (mi)	275	333	608
Fuel Consumed (gal)	24	26	50
Fuel Economy (mpg)	11.3	12.9	12.1
CO Emissions (kg)	1.70	1.80	3.51
NOx Emissions (kg)	0.33	0.35	0.68
VOC Emissions (kg)	0.39	0.42	0.81
Performance Index	13.1	12.2	25.3

Vineyard

Direction	EB	WB	All
Total Delay (hr)	84	53	137
Stops (#)	6791	4210	11001
Average Speed (mph)	10	12	11
Total Travel Time (hr)	143	99	241
Distance Traveled (mi)	1462	1142	2604
Fuel Consumed (gal)	153	106	260
Fuel Economy (mpg)	9.5	10.7	10.0
CO Emissions (kg)	10.73	7.43	18.15
NOx Emissions (kg)	2.09	1.45	3.53
VOC Emissions (kg)	2.49	1.72	4.21
Performance Index	102.9	64.6	167.5

Network Totals

Number of Intersections	74
Total Delay (hr)	1141
Stops (#)	82689
Average Speed (mph)	10
Total Travel Time (hr)	1905
Distance Traveled (mi)	19107
Fuel Consumed (gal)	2013
Fuel Economy (mpg)	9.5
CO Emissions (kg)	140.70
NOx Emissions (kg)	27.37
VOC Emissions (kg)	32.61
Performance Index	1370.7

Beretania St

Direction	EB	WB	All
Total Delay (hr)	23	130	153
Stops (#)	1619	15530	17149
Average Speed (mph)	4	16	15
Total Travel Time (hr)	27	289	317
Distance Traveled (mi)	106	4714	4819
Fuel Consumed (gal)	28	372	400
Fuel Economy (mpg)	3.8	12.7	12.1
CO Emissions (kg)	1.96	25.99	27.95
NOx Emissions (kg)	0.38	5.06	5.44
VOC Emissions (kg)	0.45	6.02	6.48
Performance Index	27.7	173.0	200.7

Kalakaua Ave

Direction	NB	SB	All
Total Delay (hr)	33	20	53
Stops (#)	3777	2218	5995
Average Speed (mph)	12	14	13
Total Travel Time (hr)	55	36	91
Distance Traveled (mi)	665	495	1159
Fuel Consumed (gal)	72	47	120
Fuel Economy (mpg)	9.2	10.5	9.7
CO Emissions (kg)	5.06	3.29	8.35
NOx Emissions (kg)	0.99	0.64	1.63
VOC Emissions (kg)	1.17	0.76	1.94
Performance Index	43.5	25.9	69.4

Keeaumoku St

Direction	NB	SB	All
Total Delay (hr)	42	32	74
Stops (#)	4510	4038	8548
Average Speed (mph)	14	13	13
Total Travel Time (hr)	76	55	131
Distance Traveled (mi)	1026	697	1723
Fuel Consumed (gal)	98	75	172
Fuel Economy (mpg)	10.5	9.3	10.0
CO Emissions (kg)	6.83	5.21	12.04
NOx Emissions (kg)	1.33	1.01	2.34
VOC Emissions (kg)	1.58	1.21	2.79
Performance Index	54.3	43.3	97.6

Kinau St

Direction	EB	WB	All
Total Delay (hr)	23	1	24
Stops (#)	3296	171	3467
Average Speed (mph)	18	8	17
Total Travel Time (hr)	56	2	58
Distance Traveled (mi)	994	18	1012
Fuel Consumed (gal)	76	3	79
Fuel Economy (mpg)	13.1	6.3	12.9
CO Emissions (kg)	5.31	0.19	5.50
NOx Emissions (kg)	1.03	0.04	1.07
VOC Emissions (kg)	1.23	0.04	1.27
Performance Index	32.1	2.0	34.0

King St

Direction	EB	WB	All
Total Delay (hr)	146	10	157
Stops (#)	18585	1486	20071
Average Speed (mph)	18	8	17
Total Travel Time (hr)	442	15	457
Distance Traveled (mi)	7796	121	7917
Fuel Consumed (gal)	523	19	541
Fuel Economy (mpg)	14.9	6.4	14.6
CO Emissions (kg)	36.53	1.31	37.84
NOx Emissions (kg)	7.11	0.26	7.36
VOC Emissions (kg)	8.47	0.30	8.77
Performance Index	197.8	14.6	212.4

McCully

Direction	NB	SB	All
Total Delay (hr)	171	26	197
Stops (#)	2686	2584	5270
Average Speed (mph)	3	13	5
Total Travel Time (hr)	192	45	237
Distance Traveled (mi)	619	574	1193
Fuel Consumed (gal)	166	57	223
Fuel Economy (mpg)	3.7	10.1	5.4
CO Emissions (kg)	11.60	3.97	15.57
NOx Emissions (kg)	2.26	0.77	3.03
VOC Emissions (kg)	2.69	0.92	3.61
Performance Index	178.8	33.0	211.8

Pensacola St

Direction	SB	All
Total Delay (hr)	29	29
Stops (#)	3187	3187
Average Speed (mph)	12	12
Total Travel Time (hr)	48	48
Distance Traveled (mi)	581	581
Fuel Consumed (gal)	63	63
Fuel Economy (mpg)	9.2	9.2
CO Emissions (kg)	4.39	4.39
NOx Emissions (kg)	0.85	0.85
VOC Emissions (kg)	1.02	1.02
Performance Index	37.9	37.9

Piikoi St

Direction	NB	All
Total Delay (hr)	50	50
Stops (#)	6295	6295
Average Speed (mph)	12	12
Total Travel Time (hr)	83	83
Distance Traveled (mi)	985	985
Fuel Consumed (gal)	112	112
Fuel Economy (mpg)	8.8	8.8
CO Emissions (kg)	7.83	7.83
NOx Emissions (kg)	1.52	1.52
VOC Emissions (kg)	1.81	1.81
Performance Index	67.4	67.4

Punahou St

Direction	NB	SB	All
Total Delay (hr)	27	22	49
Stops (#)	2859	2260	5119
Average Speed (mph)	12	13	12
Total Travel Time (hr)	44	38	82
Distance Traveled (mi)	509	482	991
Fuel Consumed (gal)	56	49	105
Fuel Economy (mpg)	9.0	9.9	9.4
CO Emissions (kg)	3.93	3.40	7.33
NOx Emissions (kg)	0.77	0.66	1.43
VOC Emissions (kg)	0.91	0.79	1.70
Performance Index	34.6	28.5	63.1

Wilder Ave

Direction	EB	WB	All
Total Delay (hr)	18	33	51
Stops (#)	2198	2986	5184
Average Speed (mph)	16	16	16
Total Travel Time (hr)	40	69	109
Distance Traveled (mi)	651	1071	1723
Fuel Consumed (gal)	52	85	137
Fuel Economy (mpg)	12.5	12.6	12.6
CO Emissions (kg)	3.64	5.94	9.58
NOx Emissions (kg)	0.71	1.15	1.86
VOC Emissions (kg)	0.84	1.38	2.22
Performance Index	24.1	41.5	65.5

Network Totals

Number of Intersections	79
Total Delay (hr)	1135
Stops (#)	108000
Average Speed (mph)	13
Total Travel Time (hr)	2114
Distance Traveled (mi)	27942
Fuel Consumed (gal)	2559
Fuel Economy (mpg)	10.9
CO Emissions (kg)	178.86
NOx Emissions (kg)	34.80
VOC Emissions (kg)	41.45
Performance Index	1435.5

Meheula Pkwy

Direction	NB	SB	All
Total Delay (hr)	35	23	58
Stops (#)	3887	3061	6948
Average Speed (mph)	20	21	21
Total Travel Time (hr)	91	65	156
Distance Traveled (mi)	1848	1394	3242
Fuel Consumed (gal)	124	92	216
Fuel Economy (mpg)	14.9	15.2	15.0
CO Emissions (kg)	8.68	6.43	15.11
NOx Emissions (kg)	1.69	1.25	2.94
VOC Emissions (kg)	2.01	1.49	3.50
Performance Index	45.9	31.4	77.3

Network Totals

Number of Intersections	8
Total Delay (hr)	99
Stops (#)	9857
Average Speed (mph)	18
Total Travel Time (hr)	223
Distance Traveled (mi)	4039
Fuel Consumed (gal)	295
Fuel Economy (mpg)	13.7
CO Emissions (kg)	20.60
NOx Emissions (kg)	4.01
VOC Emissions (kg)	4.78
Performance Index	125.9

Farrington Hwy

Direction	EB	WB	SB	All
Total Delay (hr)	37	23	2	62
Stops (#)	2602	1435	294	4331
Average Speed (mph)	10	12	19	11
Total Travel Time (hr)	55	37	6	99
Distance Traveled (mi)	561	430	123	1114
Fuel Consumed (gal)	64	42	8	115
Fuel Economy (mpg)	8.7	10.1	14.7	9.7
CO Emissions (kg)	4.49	2.96	0.58	8.04
NOx Emissions (kg)	0.87	0.58	0.11	1.56
VOC Emissions (kg)	1.04	0.69	0.13	1.86
Performance Index	43.8	26.8	3.1	73.7

Zone 1 Totals

Number of Intersections	5
Total Delay (hr)	148
Stops (#)	8458
Average Speed (mph)	10
Total Travel Time (hr)	226
Distance Traveled (mi)	2360
Fuel Consumed (gal)	252
Fuel Economy (mpg)	9.4
CO Emissions (kg)	17.63
NOx Emissions (kg)	3.43
VOC Emissions (kg)	4.09
Performance Index	171.3

APPENDIX J

DETAILED NETWORK MOEs REPORT FROM OPTIMIZED WEEKEND SYNCHRO NETWORK

(MAKIKI, KAPOLEI)

Beretania St

Direction	WB	All
Total Delay (hr)	48	48
Stops (#)	9534	9534
Average Speed (mph)	21	21
Total Travel Time (hr)	155	155
Distance Traveled (mi)	3209	3209
Fuel Consumed (gal)	220	220
Fuel Economy (mpg)	14.6	14.6
CO Emissions (kg)	15.38	15.38
NOx Emissions (kg)	2.99	2.99
VOC Emissions (kg)	3.56	3.56
Performance Index	74.5	74.5

Kalakaua Ave

Direction	NB	SB	All
Total Delay (hr)	25	24	49
Stops (#)	2709	2935	5644
Average Speed (mph)	12	13	13
Total Travel Time (hr)	42	43	86
Distance Traveled (mi)	519	582	1102
Fuel Consumed (gal)	55	58	112
Fuel Economy (mpg)	9.5	10.1	9.8
CO Emissions (kg)	3.83	4.03	7.86
NOx Emissions (kg)	0.74	0.78	1.53
VOC Emissions (kg)	0.89	0.93	1.82
Performance Index	32.6	32.0	64.7

Keeaumoku St

Direction	NB	SB	All
Total Delay (hr)	40	36	76
Stops (#)	3477	4791	8268
Average Speed (mph)	11	13	12
Total Travel Time (hr)	64	67	131
Distance Traveled (mi)	678	875	1553
Fuel Consumed (gal)	74	86	161
Fuel Economy (mpg)	9.1	10.1	9.7
CO Emissions (kg)	5.21	6.04	11.25
NOx Emissions (kg)	1.01	1.18	2.19
VOC Emissions (kg)	1.21	1.40	2.61
Performance Index	49.2	49.8	99.0

Kinau St

Direction	EB	WB	All
Total Delay (hr)	25	0	25
Stops (#)	2760	45	2805
Average Speed (mph)	17	14	17
Total Travel Time (hr)	55	1	56
Distance Traveled (mi)	914	10	925
Fuel Consumed (gal)	71	1	72
Fuel Economy (mpg)	12.9	NA	12.9
CO Emissions (kg)	4.96	0.07	5.03
NOx Emissions (kg)	0.97	0.01	0.98
VOC Emissions (kg)	1.15	0.02	1.17
Performance Index	32.3	0.5	32.8

King St

Direction	EB	WB	All
Total Delay (hr)	88	9	96
Stops (#)	14091	1268	15359
Average Speed (mph)	20	11	19
Total Travel Time (hr)	261	14	275
Distance Traveled (mi)	5192	160	5352
Fuel Consumed (gal)	356	19	375
Fuel Economy (mpg)	14.6	8.3	14.3
CO Emissions (kg)	24.89	1.35	26.24
NOx Emissions (kg)	4.84	0.26	5.11
VOC Emissions (kg)	5.77	0.31	6.08
Performance Index	127.1	12.0	139.1

McCully

Direction	NB	SB	All
Total Delay (hr)	38	18	56
Stops (#)	2697	2197	4894
Average Speed (mph)	9	14	11
Total Travel Time (hr)	56	34	90
Distance Traveled (mi)	525	468	993
Fuel Consumed (gal)	64	45	109
Fuel Economy (mpg)	8.2	10.4	9.1
CO Emissions (kg)	4.50	3.14	7.64
NOx Emissions (kg)	0.88	0.61	1.49
VOC Emissions (kg)	1.04	0.73	1.77
Performance Index	45.5	24.5	70.1

Pensacola St

Direction	SB	All
Total Delay (hr)	39	39
Stops (#)	4801	4801
Average Speed (mph)	12	12
Total Travel Time (hr)	64	64
Distance Traveled (mi)	739	739
Fuel Consumed (gal)	86	86
Fuel Economy (mpg)	8.6	8.6
CO Emissions (kg)	5.98	5.98
NOx Emissions (kg)	1.16	1.16
VOC Emissions (kg)	1.39	1.39
Performance Index	52.3	52.3

Piikoi St

Direction	NB	All
Total Delay (hr)	32	32
Stops (#)	3922	3922
Average Speed (mph)	13	13
Total Travel Time (hr)	58	58
Distance Traveled (mi)	758	758
Fuel Consumed (gal)	77	77
Fuel Economy (mpg)	9.9	9.9
CO Emissions (kg)	5.36	5.36
NOx Emissions (kg)	1.04	1.04
VOC Emissions (kg)	1.24	1.24
Performance Index	43.4	43.4

Punahou St

Direction	NB	SB	All
Total Delay (hr)	14	29	43
Stops (#)	1736	2932	4668
Average Speed (mph)	14	11	12
Total Travel Time (hr)	25	46	71
Distance Traveled (mi)	347	513	860
Fuel Consumed (gal)	34	59	92
Fuel Economy (mpg)	10.3	8.8	9.3
CO Emissions (kg)	2.36	4.10	6.46
NOx Emissions (kg)	0.46	0.80	1.26
VOC Emissions (kg)	0.55	0.95	1.50
Performance Index	18.3	37.2	55.5

Wilder Ave

Direction	EB	WB	All
Total Delay (hr)	7	10	17
Stops (#)	921	1184	2105
Average Speed (mph)	18	17	18
Total Travel Time (hr)	18	24	42
Distance Traveled (mi)	329	413	741
Fuel Consumed (gal)	24	31	55
Fuel Economy (mpg)	13.9	13.4	13.6
CO Emissions (kg)	1.65	2.16	3.81
NOx Emissions (kg)	0.32	0.42	0.74
VOC Emissions (kg)	0.38	0.50	0.88
Performance Index	9.4	13.4	22.8

Network Totals

Number of Intersections	75
Total Delay (hr)	698
Stops (#)	83293
Average Speed (mph)	15
Total Travel Time (hr)	1402
Distance Traveled (mi)	20714
Fuel Consumed (gal)	1818
Fuel Economy (mpg)	11.4
CO Emissions (kg)	127.06
NOx Emissions (kg)	24.72
VOC Emissions (kg)	29.45
Performance Index	929.6

Farrington Hwy

Direction	EB	WB	SB	All
Total Delay (hr)	34	21	1	56
Stops (#)	2660	1792	105	4557
Average Speed (mph)	13	15	23	14
Total Travel Time (hr)	59	41	5	105
Distance Traveled (mi)	757	611	106	1474
Fuel Consumed (gal)	71	50	6	127
Fuel Economy (mpg)	10.7	12.1	18.4	11.6
CO Emissions (kg)	4.93	3.52	0.40	8.86
NOx Emissions (kg)	0.96	0.69	0.08	1.72
VOC Emissions (kg)	1.14	0.82	0.09	2.05
Performance Index	41.1	25.9	1.4	68.4

Network Totals

Number of Intersections	13
Total Delay (hr)	134
Stops (#)	11810
Average Speed (mph)	16
Total Travel Time (hr)	288
Distance Traveled (mi)	4606
Fuel Consumed (gal)	353
Fuel Economy (mpg)	13.0
CO Emissions (kg)	24.71
NOx Emissions (kg)	4.81
VOC Emissions (kg)	5.73
Performance Index	167.3

APPENDIX K

TRAFFIC TURNING VOLUME COUNTS

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5676
Counted:EK, TW
Weather:Clear

File Name : NimSmi AM
Site Code : 00000002
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Smith Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	3	6	9	0	376	17	0	393	0	35	687	5	3	730	1132
06:45 AM	0	0	6	5	11	0	427	15	0	442	0	53	682	5	2	742	1195
Total	0	0	9	11	20	0	803	32	0	835	0	88	1369	10	5	1472	2327
07:00 AM	0	0	2	6	8	0	465	22	0	487	0	54	769	3	1	827	1322
07:15 AM	0	0	1	8	9	0	496	21	0	517	0	69	911	2	1	983	1509
07:30 AM	0	0	2	9	11	0	559	31	0	590	0	56	926	1	1	984	1585
07:45 AM	0	0	0	11	11	0	599	23	0	622	0	49	828	1	4	882	1515
Total	0	0	5	34	39	0	2119	97	0	2216	0	228	3434	7	7	3676	5931
08:00 AM	0	0	0	6	6	0	451	38	0	489	0	58	833	1	5	897	1392
08:15 AM	0	0	4	4	8	0	492	32	0	524	0	44	766	0	4	814	1346
Grand Total	0	0	18	55	73	0	3865	199	0	4064	0	418	6402	18	21	6859	10996
Apprch %	0	0	24.7	75.3		0	95.1	4.9	0			6.1	93.3	0.3	0.3		
Total %	0	0	0.2	0.5	0.7	0	35.1	1.8	0	37	0	3.8	58.2	0.2	0.2	62.4	

	Smith Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	0	1	8	9	0	496	21	0	517	0	**69**	911	**2**	1	983	1509
07:30 AM	0	0	**2**	9	**11**	0	559	31	0	590	0	56	**926**	**1**	1	**984**	**1585**
07:45 AM	0	0	0	**11**	11	0	**599**	23	0	**622**	0	49	828	1	4	882	1515
08:00 AM	0	0	0	6	6	0	451	**38**	0	489	0	58	833	1	**5**	897	1392
Total Volume	0	0	3	34	37	0	2105	113	0	2218	0	232	3498	5	**11**	3746	6001
% App. Total	0	0	8.1	91.9		0	94.9	5.1	0			6.2	93.4	0.1	0.3		
PHF	.000	.000	.375	.773	.841	.000	.879	.743	.000	.891	.000	.841	.944	.625	.550	.952	.947

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-3888
Counted:JS, DY
Weather:Clear

File Name : NimSmi MIDDAY
Site Code : 00000002
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	Smith Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	6	5	11	0	640	34	0	674	0	17	469	0	4	490	1175
11:15 AM	0	0	6	4	10	0	644	33	0	677	0	20	459	0	6	485	1172
11:30 AM	0	0	7	6	13	0	606	23	0	629	0	17	489	4	11	521	1163
11:45 AM	0	0	4	4	8	1	601	32	0	634	0	19	500	3	0	522	1164
Total	0	0	23	19	42	1	2491	122	0	2614	0	73	1917	7	21	2018	4674
12:00 PM	0	0	9	4	13	0	632	31	0	663	0	22	489	3	8	522	1198
12:15 PM	0	0	16	2	18	0	672	36	0	708	0	21	480	2	3	506	1232
12:30 PM	0	0	9	3	12	0	596	40	0	636	0	15	456	2	0	473	1121
12:45 PM	0	0	3	9	12	0	665	30	0	695	0	11	543	0	2	556	1263
Total	0	0	37	18	55	0	2565	137	0	2702	0	69	1968	7	13	2057	4814
Grand Total	0	0	60	37	97	1	5056	259	0	5316	0	142	3885	14	34	4075	9488
Apprch %	0	0	61.9	38.1		0	95.1	4.9	0			3.5	95.3	0.3	0.8		
Total %	0	0	0.6	0.4	1	0	53.3	2.7	0	56	0	1.5	40.9	0.1	0.4	42.9	

	Smith Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:00 PM																	
12:00 PM	0	0	9	4	13	0	632	31	0	663	0	**22**	489	**3**	**8**	522	1198
12:15 PM	0	0	**16**	2	**18**	0	**672**	36	0	**708**	0	21	480	2	3	506	1232
12:30 PM	0	0	9	3	12	0	596	**40**	0	636	0	15	456	2	0	473	1121
12:45 PM	0	0	3	**9**	12	0	665	30	0	695	0	11	**543**	0	2	**556**	**1263**
Total Volume	0	0	37	18	55	0	2565	137	0	2702	0	69	1968	7	13	2057	4814
% App. Total	0	0	67.3	32.7		0	94.9	5.1	0			3.4	95.7	0.3	0.6		
PHF	.000	.000	.578	.500	.764	.000	.954	.856	.000	.954	.000	.784	.906	.583	.406	.925	.953

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

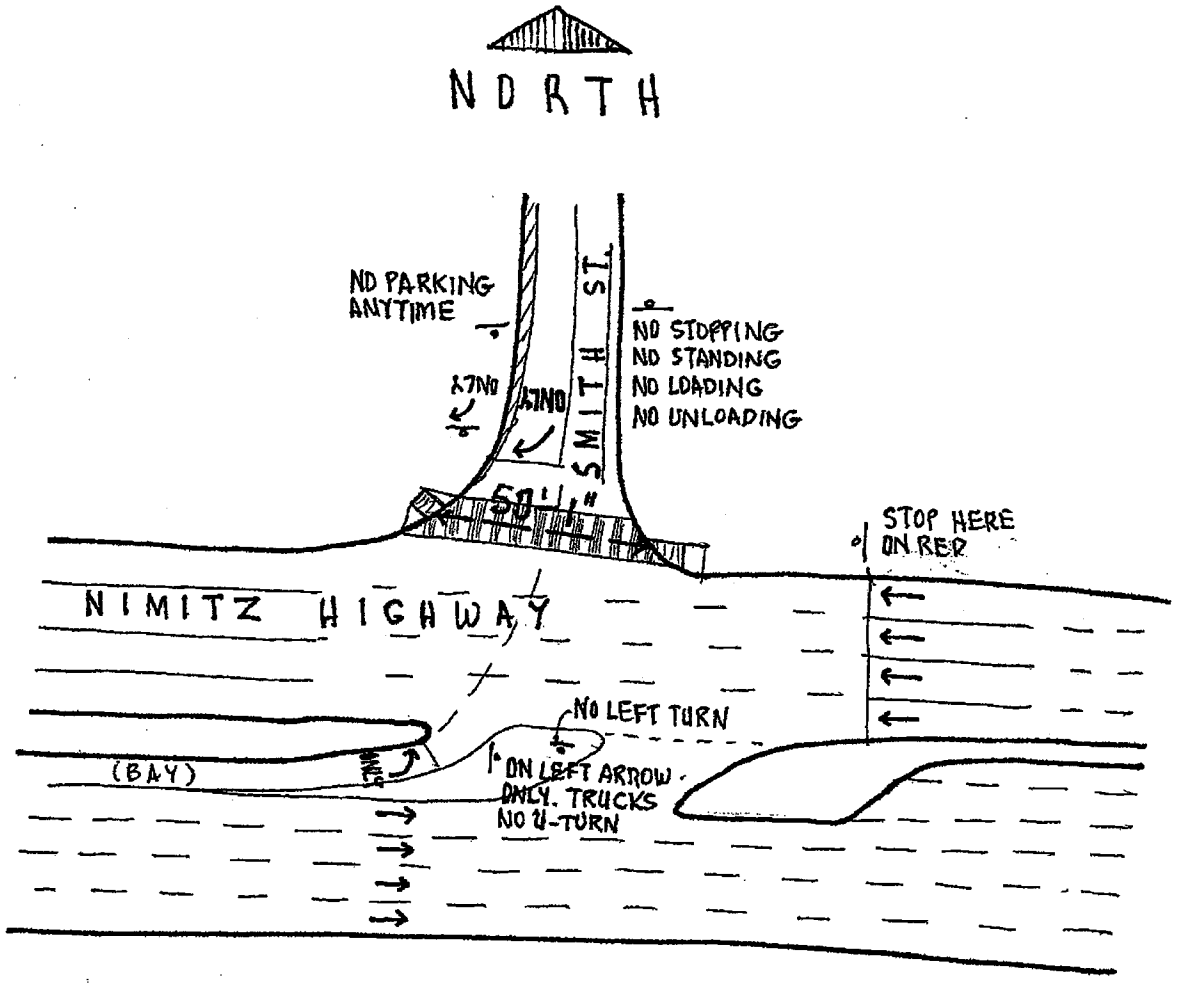
Counter:D4-5673, D4-3888
Counted:JS, DY
Weather:Clear

File Name : NimSmi PM
Site Code : 00000002
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	Smith Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	17	14	31	0	830	18	0	848	0	37	724	0	2	763	1642
04:15 PM	0	0	8	3	11	0	814	36	0	850	0	34	808	0	3	845	1706
04:30 PM	0	0	6	6	12	0	884	40	0	924	0	47	718	0	3	768	1704
04:45 PM	0	0	9	11	20	0	754	34	0	788	0	49	793	0	2	844	1652
Total	0	0	40	34	74	0	3282	128	0	3410	0	167	3043	0	10	3220	6704
05:00 PM	0	0	6	6	12	0	914	44	0	958	0	34	737	0	3	774	1744
05:15 PM	0	0	7	3	10	0	841	26	0	867	0	40	647	0	3	690	1567
05:30 PM	0	0	6	8	14	0	809	38	0	847	0	34	621	0	3	658	1519
05:45 PM	0	0	10	5	15	0	577	29	0	606	0	15	602	0	2	619	1240
Total	0	0	29	22	51	0	3141	137	0	3278	0	123	2607	0	11	2741	6070
Grand Total	0	0	69	56	125	0	6423	265	0	6688	0	290	5650	0	21	5961	12774
Apprch %	0	0	55.2	44.8		0	96	4	0			4.9	94.8	0	0.4		
Total %	0	0	0.5	0.4	1	0	50.3	2.1	0	52.4	0	2.3	44.2	0	0.2	46.7	

	Smith Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	0	0	8	3	11	0	814	36	0	850	0	34	**808**	0	**3**	**845**	1706
04:30 PM	0	0	6	6	12	0	884	40	0	924	0	47	718	0	3	768	1704
04:45 PM	0	0	**9**	**11**	**20**	0	754	34	0	788	0	**49**	793	0	2	844	1652
05:00 PM	0	0	6	6	12	0	**914**	**44**	0	**958**	0	34	737	0	3	774	**1744**
Total Volume	0	0	29	26	55	0	3366	154	0	3520	0	164	3056	0	11	3231	6806
% App. Total	0	0	52.7	47.3		0	95.6	4.4	0			5.1	94.6	0	0.3		
PHF	.000	.000	.806	.591	.688	.000	.921	.875	.000	.919	.000	.837	.946	.000	.917	.956	.976


NORTH
NO PARKING
ANYTIME
SMITH ST.
NO STOPPING
NO STANDING
NO LOADING
NO UNLOADING
STOP HERE
ON RED
NIMITZ HIGHWAY
NO LEFT TURN
(BAY)
ON LEFT ARROW
ONLY. TRUCKS
NO U-TURN

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5676
Counted:TW, RL
Weather:Clear

File Name : NimNuu AM
Site Code : 00000003
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Nimitz Highway Westbound					Northbound					Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	30	0	46	3	79	0	330	0	0	330	0	0	0	0	0	0	774	0	3	777	1186
06:45 AM	32	0	40	4	76	0	396	0	0	396	0	0	0	0	0	0	880	0	7	887	1359
Total	62	0	86	7	155	0	726	0	0	726	0	0	0	0	0	0	1654	0	10	1664	2545
07:00 AM	45	0	27	4	76	0	467	0	0	467	0	0	0	0	0	0	893	0	5	898	1441
07:15 AM	50	0	41	5	96	0	529	0	0	529	0	0	0	0	0	0	885	0	4	889	1514
07:30 AM	39	0	39	5	83	0	557	0	0	557	0	0	0	0	0	0	942	0	0	942	1582
07:45 AM	33	0	49	6	88	0	551	0	0	551	0	0	0	0	0	0	863	0	2	865	1504
Total	167	0	156	20	343	0	2104	0	0	2104	0	0	0	0	0	0	3583	0	11	3594	6041
08:00 AM	39	0	39	6	84	0	499	0	0	499	0	0	0	0	0	0	797	0	1	798	1381
08:15 AM	33	0	43	7	83	0	476	0	0	476	0	0	0	0	0	0	673	0	2	675	1234
Grand Total	301	0	324	40	665	0	3805	0	0	3805	0	0	0	0	0	0	6707	0	24	6731	11201
Apprch %	45.3	0	48.7	6		0	100	0	0		0	0	0	0		0	99.6	0	0.4		
Total %	2.7	0	2.9	0.4	5.9	0	34	0	0	34	0	0	0	0	0	0	59.9	0	0.2	60.1	

	Nuuanu Avenue Southbound					Nimitz Highway Westbound					Northbound					Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	45	0	27	4	76	0	467	0	0	467	0	0	0	0	0	0	893	0	**5**	898	1441
07:15 AM	**50**	0	41	5	**96**	0	529	0	0	529	0	0	0	0	0	0	885	0	4	889	1514
07:30 AM	39	0	39	5	83	0	**557**	0	0	**557**	0	0	0	0	0	0	**942**	0	0	**942**	**1582**
07:45 AM	33	0	**49**	**6**	88	0	551	0	0	551	0	0	0	0	0	0	863	0	2	865	1504
Total Volume	167	0	156	20	343	0	2104	0	0	2104	0	0	0	0	0	0	3583	0	11	3594	6041
% App. Total	48.7	0	45.5	5.8		0	100	0	0		0	0	0	0		0	99.7	0	0.3		
PHF	.835	.000	.796	.833	.893	.000	.944	.000	.000	.944	.000	.000	.000	.000	.000	.000	.951	.000	.550	.954	.955

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5676
Counted:KK, RL
Weather:Clear

File Name : NimNuu MIDDAY
Site Code : 00000003
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	23	0	34	5	62	0	629	0	0	629	0	0	463	0	3	466	1157
11:15 AM	37	0	48	5	90	0	585	0	0	585	0	0	463	0	0	463	1138
11:30 AM	25	0	35	5	65	0	614	0	0	614	0	0	476	0	5	481	1160
11:45 AM	35	0	52	9	96	0	566	0	0	566	0	0	460	0	5	465	1127
Total	120	0	169	24	313	0	2394	0	0	2394	0	0	1862	0	13	1875	4582
12:00 PM	20	0	41	3	64	0	581	0	0	581	0	0	513	0	3	516	1161
12:15 PM	23	0	53	6	82	0	661	0	0	661	0	0	468	0	2	470	1213
12:30 PM	30	0	52	6	88	0	475	0	0	475	0	0	459	0	9	468	1031
12:45 PM	15	0	37	2	54	0	642	0	0	642	0	0	487	0	3	490	1186
Total	88	0	183	17	288	0	2359	0	0	2359	0	0	1927	0	17	1944	4591
Grand Total	208	0	352	41	601	0	4753	0	0	4753	0	0	3789	0	30	3819	9173
Apprch %	34.6	0	58.6	6.8		0	100	0	0			0	99.2	0	0.8		
Total %	2.3	0	3.8	0.4	6.6	0	51.8	0	0	51.8	0	0	41.3	0	0.3	41.6	

	Nuuanu Avenue Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	25	0	35	5	65	0	614	0	0	614	0	0	476	0	**5**	481	1160
11:45 AM	**35**	0	52	**9**	**96**	0	566	0	0	566	0	0	460	0	5	465	1127
12:00 PM	20	0	41	3	64	0	581	0	0	581	0	0	**513**	0	3	**516**	1161
12:15 PM	23	0	**53**	6	82	0	**661**	0	0	**661**	0	0	468	0	2	470	**1213**
Total Volume	103	0	181	23	307	0	2422	0	0	2422	0	0	1917	0	15	1932	4661
% App. Total	33.6	0	59	7.5		0	100	0	0			0	99.2	0	0.8		
PHF	.736	.000	.854	.639	.799	.000	.916	.000	.000	.916	.000	.000	.934	.000	.750	.936	.961

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5676
Counted:KK, RL
Weather:Clear

File Name : NimNuu PM
Site Code : 00000003
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	29	0	31	0	60	0	807	0	0	807	0	0	675	0	7	682	1549
04:15 PM	30	0	41	2	73	0	729	0	0	729	0	0	774	0	3	777	1579
04:30 PM	20	0	29	1	50	0	835	0	0	835	0	0	747	0	3	750	1635
04:45 PM	43	0	34	2	79	0	727	0	0	727	0	0	731	0	6	737	1543
Total	122	0	135	5	262	0	3098	0	0	3098	0	0	2927	0	19	2946	6306
05:00 PM	33	0	44	7	84	0	813	0	0	813	0	0	721	0	1	722	1619
05:15 PM	33	0	43	3	79	0	834	0	0	834	0	0	665	0	6	671	1584
05:30 PM	30	0	34	6	70	0	717	0	0	717	0	0	605	0	0	605	1392
05:45 PM	22	0	31	5	58	0	587	0	0	587	0	0	567	0	1	568	1213
Total	118	0	152	21	291	0	2951	0	0	2951	0	0	2558	0	8	2566	5808
Grand Total	240	0	287	26	553	0	6049	0	0	6049	0	0	5485	0	27	5512	12114
Apprch %	43.4	0	51.9	4.7		0	100	0	0			0	99.5	0	0.5		
Total %	2	0	2.4	0.2	4.6	0	49.9	0	0	49.9	0	0	45.3	0	0.2	45.5	

	Nuuanu Avenue Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	20	0	29	1	50	0	**835**	0	0	**835**	0	0	**747**	0	3	**750**	**1635**
04:45 PM	**43**	0	34	2	79	0	727	0	0	727	0	0	731	0	**6**	737	1543
05:00 PM	33	0	**44**	**7**	**84**	0	813	0	0	813	0	0	721	0	1	722	1619
05:15 PM	33	0	43	3	79	0	834	0	0	834	0	0	665	0	6	671	1584
Total Volume	129	0	150	13	292	0	3209	0	0	3209	0	0	2864	0	16	2880	6381
% App. Total	44.2	0	51.4	4.5		0	100	0	0			0	99.4	0	0.6		
PHF	.750	.000	.852	.464	.869	.000	.961	.000	.000	.961	.000	.000	.959	.000	.667	.960	.976

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5674
Counted:JY
Weather:Clear

File Name : NimBet AM
Site Code : 00000003
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	Bethel Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	10	10	0	0	62	0	62	0	82	0	0	0	82	154
06:45 AM	0	0	0	13	13	0	0	80	0	80	0	85	0	0	0	85	178
Total	0	0	0	23	23	0	0	142	0	142	0	167	0	0	0	167	332
07:00 AM	0	0	0	13	13	0	0	97	0	97	0	77	0	0	0	77	187
07:15 AM	0	0	0	22	22	0	0	105	0	105	0	99	0	0	0	99	226
07:30 AM	0	0	0	14	14	0	0	126	0	126	0	85	0	0	0	85	225
07:45 AM	0	0	0	14	14	0	0	122	0	122	0	91	0	0	0	91	227
Total	0	0	0	63	63	0	0	450	0	450	0	352	0	0	0	352	865
08:00 AM	0	0	0	15	15	0	0	144	0	144	0	80	0	0	0	80	239
08:15 AM	0	0	0	15	15	0	0	117	0	117	0	84	0	0	0	84	216
Grand Total	0	0	0	116	116	0	0	853	0	853	0	683	0	0	0	683	1652
Apprch %	0	0	0	100		0	0	100	0			100	0	0	0		
Total %	0	0	0	7	7	0	0	51.6	0	51.6	0	41.3	0	0	0	41.3	

	Bethel Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	0	0	**22**	**22**	0	0	105	0	105	0	**99**	0	0	0	**99**	226
07:30 AM	0	0	0	14	14	0	0	126	0	126	0	85	0	0	0	85	225
07:45 AM	0	0	0	14	14	0	0	122	0	122	0	91	0	0	0	91	227
08:00 AM	0	0	0	15	15	0	0	**144**	0	**144**	0	80	0	0	0	80	**239**
Total Volume	0	0	0	65	65	0	0	497	0	497	0	355	0	0	0	355	917
% App. Total	0	0	0	100		0	0	100	0			100	0	0	0		
PHF	.000	.000	.000	.739	.739	.000	.000	.863	.000	.863	.000	.896	.000	.000	.000	.896	.959

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841
Counted:ER
Weather:Clear

File Name : NimBet MIDDAY
Site Code : 00000003
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Bethel Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	9	9	0	0	95	0	95	0	26	0	0	0	26	130
11:15 AM	0	0	0	9	9	0	0	111	0	111	0	34	0	0	0	34	154
11:30 AM	0	0	0	14	14	0	0	102	0	102	0	21	0	0	0	21	137
11:45 AM	0	0	0	15	15	0	0	99	0	99	0	32	0	0	0	32	146
Total	0	0	0	47	47	0	0	407	0	407	0	113	0	0	0	113	567
12:00 PM	0	0	0	9	9	0	0	90	0	90	0	39	0	0	0	39	138
12:15 PM	0	0	0	8	8	0	0	89	0	89	0	19	0	0	0	19	116
12:30 PM	0	0	0	7	7	0	0	87	0	87	0	23	0	0	0	23	117
12:45 PM	0	0	0	8	8	0	0	83	0	83	0	23	0	0	0	23	114
Total	0	0	0	32	32	0	0	349	0	349	0	104	0	0	0	104	485
Grand Total	0	0	0	79	79	0	0	756	0	756	0	217	0	0	0	217	1052
Apprch %	0	0	0	100		0	0	100	0			100	0	0	0		
Total %	0	0	0	7.5	7.5	0	0	71.9	0	71.9	0	20.6	0	0	0	20.6	

	Bethel Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:15 AM																	
11:15 AM	0	0	0	9	9	0	0	**111**	0	**111**	0	34	0	0	0	34	**154**
11:30 AM	0	0	0	14	14	0	0	102	0	102	0	21	0	0	0	21	137
11:45 AM	0	0	0	**15**	**15**	0	0	99	0	99	0	32	0	0	0	32	146
12:00 PM	0	0	0	9	9	0	0	90	0	90	0	**39**	0	0	0	**39**	138
Total Volume	0	0	0	47	47	0	0	402	0	402	0	126	0	0	0	126	575
% App. Total	0	0	0	100		0	0	100	0			100	0	0	0		
PHF	.000	.000	.000	.783	.783	.000	.000	.905	.000	.905	.000	.808	.000	.000	.000	.808	.933

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841
Counted:ER
Weather:Clear

File Name : NimBet PM
Site Code : 00000003
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Bethel Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	17	17	0	0	128	0	128	0	57	0	0	0	57	202
04:15 PM	0	0	0	17	17	0	0	105	0	105	0	57	0	0	0	57	179
04:30 PM	0	0	0	12	12	0	0	152	0	152	0	43	0	0	0	43	207
04:45 PM	0	0	0	16	16	0	0	138	0	138	0	48	0	0	0	48	202
Total	0	0	0	62	62	0	0	523	0	523	0	205	0	0	0	205	790
05:00 PM	0	0	0	14	14	0	0	148	0	148	0	50	0	0	0	50	212
05:15 PM	0	0	0	10	10	0	0	130	0	130	0	33	0	0	0	33	173
05:30 PM	0	0	0	15	15	0	0	115	0	115	0	50	0	0	0	50	180
05:45 PM	0	0	0	6	6	0	0	96	0	96	0	30	0	0	0	30	132
Total	0	0	0	45	45	0	0	489	0	489	0	163	0	0	0	163	697
Grand Total	0	0	0	107	107	0	0	1012	0	1012	0	368	0	0	0	368	1487
Apprch %	0	0	0	100		0	0	100	0			100	0	0	0		
Total %	0	0	0	7.2	7.2	0	0	68.1	0	68.1	0	24.7	0	0	0	24.7	

	Bethel Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	0	0	0	17	17	0	0	105	0	105	0	57	0	0	0	57	179
04:30 PM	0	0	0	12	12	0	0	152	0	152	0	43	0	0	0	43	207
04:45 PM	0	0	0	16	16	0	0	138	0	138	0	48	0	0	0	48	202
05:00 PM	0	0	0	14	14	0	0	148	0	148	0	50	0	0	0	50	212
Total Volume	0	0	0	59	59	0	0	543	0	543	0	198	0	0	0	198	800
% App. Total	0	0	0	100		0	0	100	0			100	0	0	0		
PHF	.000	.000	.000	.868	.868	.000	.000	.893	.000	.893	.000	.868	.000	.000	.000	.868	.943

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-3889
Counted:DY, ER
Weather:Clear

File Name : NimFtSt AM
Site Code : 00000004
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Nimtz Highway Westbound					Aloha Tower Marketplace Northbound					Nimtz Highway Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	349	0	3	352	0	0	1	1	2	0	787	6	0	793	1147
06:45 AM	0	0	309	0	16	325	2	0	1	5	8	0	780	4	0	784	1117
Total	0	0	658	0	19	677	2	0	2	6	10	0	1567	10	0	1577	2264
07:00 AM	0	0	485	0	12	497	4	0	0	1	5	0	846	10	0	856	1358
07:15 AM	0	0	489	0	10	499	9	0	2	4	15	0	903	19	0	922	1436
07:30 AM	0	0	468	0	22	490	9	0	0	8	17	0	877	9	0	886	1393
07:45 AM	0	0	524	0	14	538	6	0	0	1	7	0	735	12	0	747	1292
Total	0	0	1966	0	58	2024	28	0	2	14	44	0	3361	50	0	3411	5479
08:00 AM	0	0	473	0	10	483	5	0	0	2	7	0	625	14	0	639	1129
08:15 AM	0	0	422	0	8	430	4	0	2	3	9	0	643	4	0	647	1086
Grand Total	0	0	3519	0	95	3614	39	0	6	25	70	0	6196	78	0	6274	9958
Apprch %		0	97.4	0	2.6		55.7	0	8.6	35.7		0	98.8	1.2	0		
Total %	0	0	35.3	0	1	36.3	0.4	0	0.1	0.3	0.7	0	62.2	0.8	0	63	

	Southbound	Nimtz Highway Westbound					Aloha Tower Marketplace Northbound					Nimtz Highway Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	0	485	0	12	497	4	0	0	1	5	0	846	10	0	856	1358
07:15 AM	0	0	489	0	10	499	**9**	0	**2**	4	15	0	**903**	**19**	0	**922**	**1436**
07:30 AM	0	0	468	0	**22**	490	9	0	0	**8**	**17**	0	877	9	0	886	1393
07:45 AM	0	0	**524**	0	14	**538**	6	0	0	**1**	7	0	735	12	0	747	1292
Total Volume	0	0	1966	0	58	2024	28	0	2	14	44	0	3361	50	0	3411	5479
% App. Total		0	97.1	0	2.9		63.6	0	4.5	31.8		0	98.5	1.5	0		
PHF	.000	.000	.938	.000	.659	.941	.778	.000	.250	.438	.647	.000	.931	.658	.000	.925	.954

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:
Counted:
Weather:

File Name : NimFtSt MIDDAY
Site Code : 00000004
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Nimitz Highway Westbound					Aloha Tower Marketplace Northbound					Nimitz Highway Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	532	0	40	572	9	0	11	20	40	0	357	12	0	369	981
11:15 AM	0	0	558	0	19	577	9	0	4	8	21	0	502	13	0	515	1113
11:30 AM	0	0	515	0	94	609	6	0	4	7	17	0	453	12	0	465	1091
11:45 AM	0	0	379	0	30	409	5	0	12	13	30	0	507	14	0	521	960
Total	0	0	1984	0	183	2167	29	0	31	48	108	0	1819	51	0	1870	4145
12:00 PM	0	0	535	0	32	567	9	0	11	11	31	0	445	11	0	456	1054
12:15 PM	0	0	567	0	21	588	8	0	9	13	30	0	498	13	0	511	1129
12:30 PM	0	0	538	0	29	567	9	0	8	13	30	0	452	7	0	459	1056
12:45 PM	0	0	519	0	38	557	11	0	9	10	30	0	463	9	0	472	1059
Total	0	0	2159	0	120	2279	37	0	37	47	121	0	1858	40	0	1898	4298
Grand Total	0	0	4143	0	303	4446	66	0	68	95	229	0	3677	91	0	3768	8443
Apprch %		0	93.2	0	6.8		28.8	0	29.7	41.5		0	97.6	2.4	0		
Total %	0	0	49.1	0	3.6	52.7	0.8	0	0.8	1.1	2.7	0	43.6	1.1	0	44.6	

	Southbound	Nimitz Highway Westbound					Aloha Tower Marketplace Northbound					Nimitz Highway Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:00 PM																	
12:00 PM	0	0	535	0	32	567	9	0	**11**	11	**31**	0	445	11	0	456	1054
12:15 PM	0	0	**567**	0	21	**588**	8	0	9	**13**	30	0	**498**	**13**	0	**511**	**1129**
12:30 PM	0	0	538	0	29	567	9	0	8	13	30	0	452	7	0	459	1056
12:45 PM	0	0	519	0	**38**	557	**11**	0	9	10	30	0	463	9	0	472	1059
Total Volume	0	0	2159	0	120	2279	37	0	37	47	121	0	1858	40	0	1898	4298
% App. Total		0	94.7	0	5.3		30.6	0	30.6	38.8		0	97.9	2.1	0		
PHF	.000	.000	.952	.000	.789	.969	.841	.000	.841	.904	.976	.000	.933	.769	.000	.929	.952

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

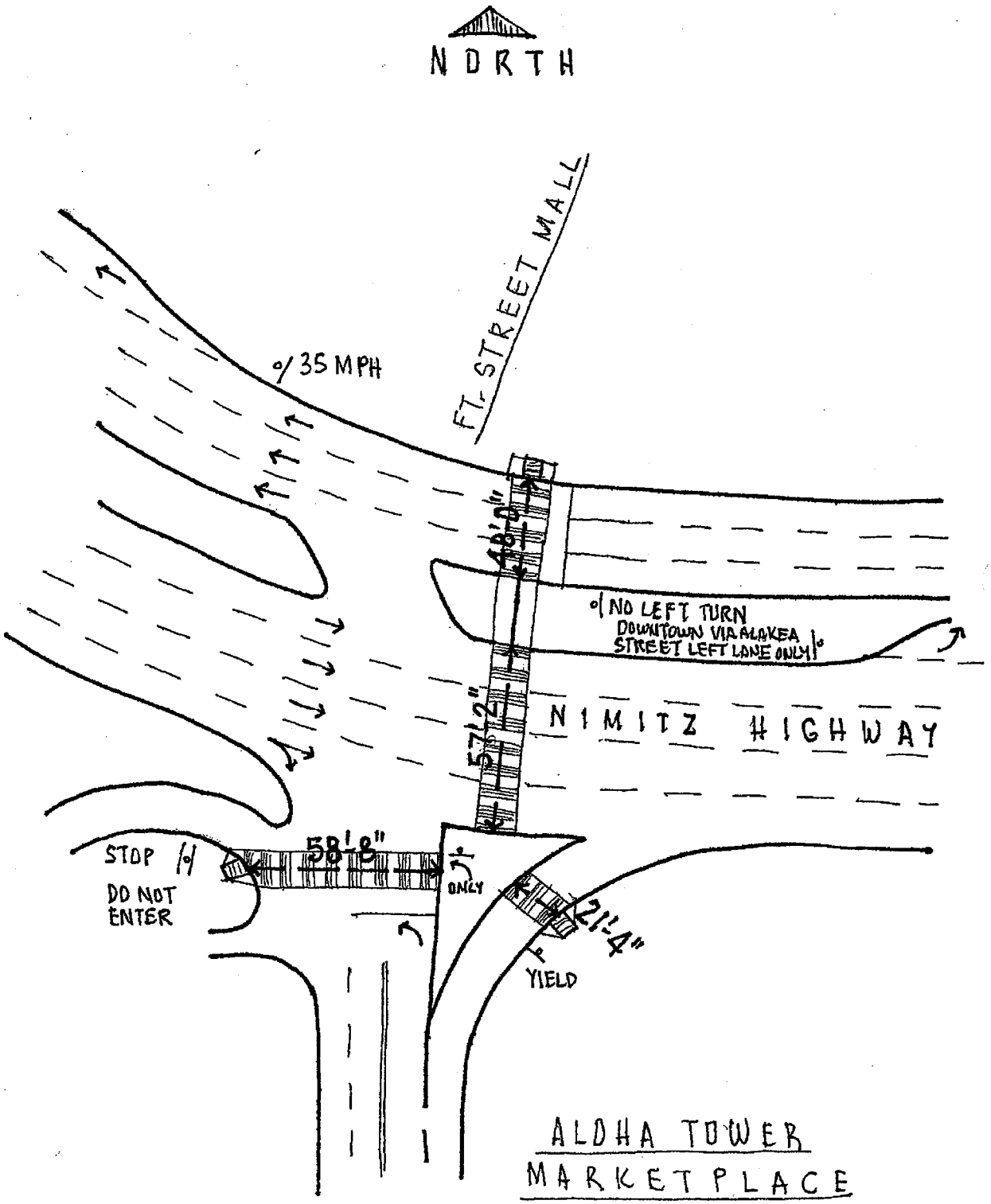
Counter:D4-3890, D4-5671
Counted:DN, DY
Weather:Clear

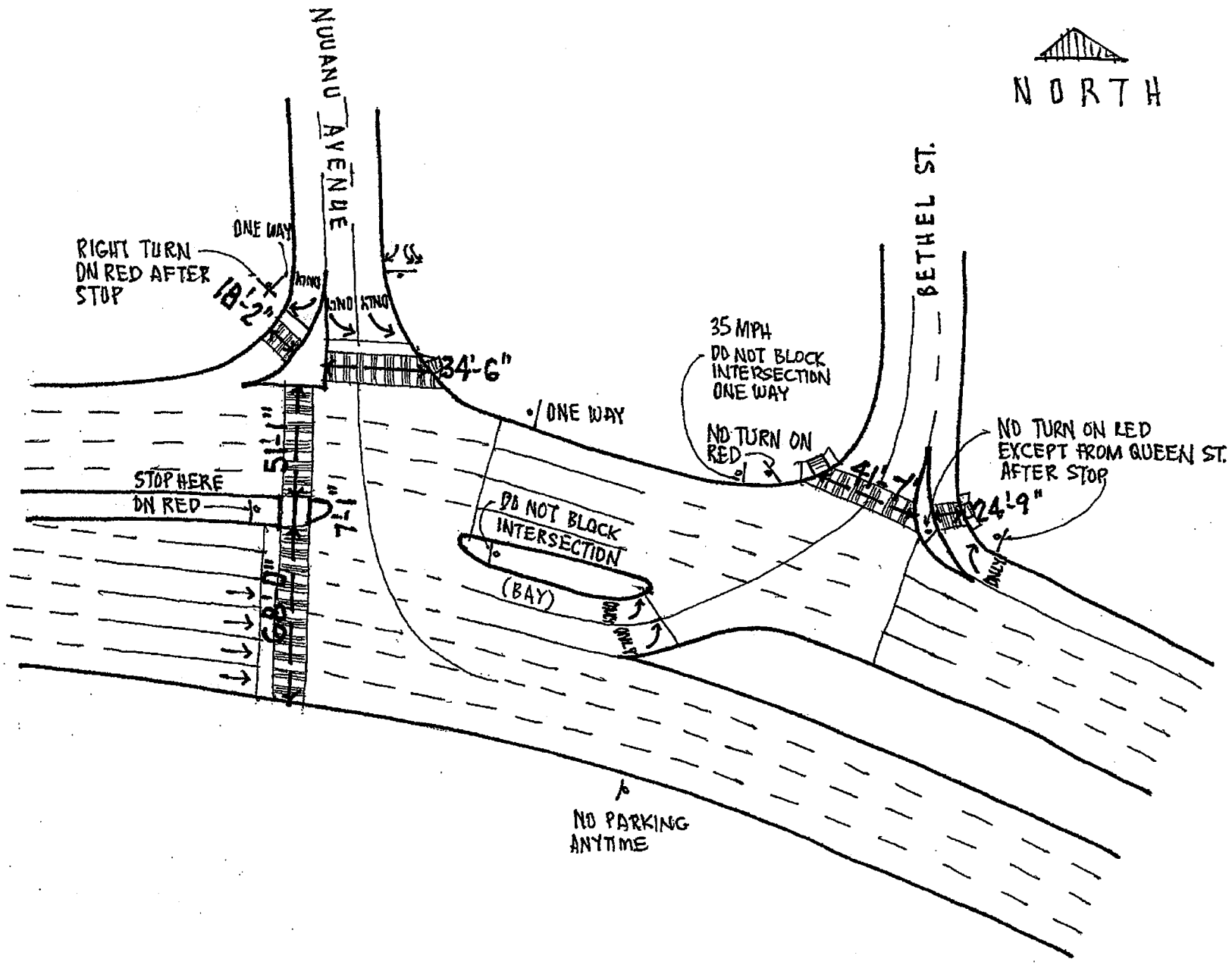
File Name : NimFtSt PM
Site Code : 00000004
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Nimitz Highway Westbound					Aloha Tower Marketplace Northbound					Nimitz Highway Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	659	0	22	681	19	0	13	7	39	0	755	10	0	765	1485
04:15 PM	0	0	644	0	15	659	10	0	15	3	28	0	742	14	0	756	1443
04:30 PM	0	0	781	0	15	796	20	0	9	7	36	0	794	11	0	805	1637
04:45 PM	0	0	732	0	24	756	17	0	6	8	31	0	736	2	0	738	1525
Total	0	0	2816	0	76	2892	66	0	43	25	134	0	3027	37	0	3064	6090
05:00 PM	0	0	776	0	17	793	17	0	10	4	31	0	685	11	0	696	1520
05:15 PM	0	0	768	0	19	787	22	0	10	3	35	0	671	9	0	680	1502
05:30 PM	0	0	806	0	18	824	14	0	10	2	26	0	581	8	0	589	1439
05:45 PM	0	0	567	0	15	582	8	0	2	4	14	0	511	11	0	522	1118
Total	0	0	2917	0	69	2986	61	0	32	13	106	0	2448	39	0	2487	5579
Grand Total	0	0	5733	0	145	5878	127	0	75	38	240	0	5475	76	0	5551	11669
Apprch %		0	97.5	0	2.5		52.9	0	31.2	15.8		0	98.6	1.4	0		
Total %	0	0	49.1	0	1.2	50.4	1.1	0	0.6	0.3	2.1	0	46.9	0.7	0	47.6	

	Southbound	Nimitz Highway Westbound					Aloha Tower Marketplace Northbound					Nimitz Highway Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	0	0	**781**	0	15	**796**	20	0	9	7	**36**	0	**794**	**11**	0	**805**	**1637**
04:45 PM	0	0	732	0	**24**	756	17	0	6	**8**	31	0	736	2	0	738	1525
05:00 PM	0	0	776	0	17	793	17	0	**10**	4	31	0	685	11	0	696	1520
05:15 PM	0	0	768	0	19	787	**22**	0	10	3	35	0	671	9	0	680	1502
Total Volume	0	0	3057	0	75	3132	76	0	35	22	133	0	2886	33	0	2919	6184
% App. Total		0	97.6	0	2.4		57.1	0	26.3	16.5		0	98.9	1.1	0		
PHF	.000	.000	.979	.000	.781	.984	.864	.000	.875	.688	.924	.000	.909	.750	.000	.907	.944


NORTH
FT. STREET MALL
35 MPH
48'0"
NO LEFT TURN
DOWNTOWN VIA ALAKEA
STREET LEFT LANE ONLY
NIMITZ HIGHWAY
57'2"
58'8"
STOP
DO NOT
ENTER
ONLY
21'4"
YIELD
ALOHA TOWER
MARKETPLACE


NORTH
NUUANU AVENUE
BETHEL ST.
RIGHT TURN ON RED AFTER STOP
ONE WAY
18'-2"
34'-6"
ONLY
ONLY
ONE WAY
35 MPH
DO NOT BLOCK INTERSECTION ONE WAY
NO TURN ON RED
NO TURN ON RED EXCEPT FROM QUEEN ST. AFTER STOP
41'-7"
24'-9"
51'-1"
7'-1"
STOP HERE ON RED
DO NOT BLOCK INTERSECTION
(BAY)
ONLY
ONLY
NO PARKING ANYTIME

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0525, D4-3891
Counted:ZW, JY
Weather:Clear

File Name : NimBis AM
Site Code : 00000005
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					Nimitz Highway Westbound					Bishop Street Northbound					Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	57	6	56	6	125	0	374	0	0	374	7	0	3	0	10	0	580	121	17	718	1227
06:45 AM	80	20	71	3	174	0	354	0	0	354	0	0	4	0	4	0	813	8	9	830	1362
Total	137	26	127	9	299	0	728	0	0	728	7	0	7	0	14	0	1393	129	26	1548	2589
07:00 AM	57	12	76	6	151	0	526	0	0	526	8	0	1	0	9	0	703	20	15	738	1424
07:15 AM	75	29	91	19	214	0	503	0	0	503	8	0	7	2	17	0	791	47	19	857	1591
07:30 AM	71	13	78	8	170	0	498	0	0	498	2	0	2	0	4	0	791	39	14	844	1516
07:45 AM	82	16	103	10	211	0	524	0	0	524	5	0	4	0	9	0	655	8	14	677	1421
Total	285	70	348	43	746	0	2051	0	0	2051	23	0	14	2	39	0	2940	114	62	3116	5952
08:00 AM	76	15	86	7	184	0	492	0	0	492	3	0	3	0	6	0	584	6	10	600	1282
08:15 AM	81	6	53	3	143	0	412	0	0	412	14	0	1	0	15	0	579	13	2	594	1164
Grand Total	579	117	614	62	1372	0	3683	0	0	3683	47	0	25	2	74	0	5496	262	100	5858	10987
Apprch %	42.2	8.5	44.8	4.5		0	100	0	0		63.5	0	33.8	2.7		0	93.8	4.5	1.7		
Total %	5.3	1.1	5.6	0.6	12.5	0	33.5	0	0	33.5	0.4	0	0.2	0	0.7	0	50	2.4	0.9	53.3	

	Bishop Street Southbound					Nimitz Highway Westbound					Bishop Street Northbound					Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	57	12	76	6	151	0	**526**	0	0	**526**	**8**	0	1	0	9	0	703	20	15	738	1424
07:15 AM	75	**29**	91	**19**	**214**	0	503	0	0	503	8	0	**7**	**2**	**17**	0	**791**	**47**	**19**	**857**	**1591**
07:30 AM	71	13	78	8	170	0	498	0	0	498	2	0	2	0	4	0	791	39	14	844	1516
07:45 AM	**82**	16	**103**	10	211	0	524	0	0	524	5	0	4	0	9	0	655	8	14	677	1421
Total Volume	285	70	348	43	746	0	2051	0	0	2051	23	0	14	2	39	0	2940	114	62	3116	5952
% App. Total	38.2	9.4	46.6	5.8		0	100	0	0		59	0	35.9	5.1		0	94.4	3.7	2		
PHF	.869	.603	.845	.566	.871	.000	.975	.000	.000	.975	.719	.000	.500	.250	.574	.000	.929	.606	.816	.909	.935

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0525, D4-3889
Counted:ZW, JY
Weather:Clear

File Name : NimBis MIDDAY
Site Code : 00000005
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					Nimitz Highway Westbound					Bishop Street Northbound					Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	56	44	65	21	186	0	491	0	0	491	9	0	3	0	12	0	446	18	26	490	1179
11:15 AM	64	3	57	17	141	0	499	0	0	499	6	0	4	0	10	0	422	13	28	463	1113
11:30 AM	57	14	72	12	155	1	614	1	0	616	8	0	6	0	14	0	426	65	35	526	1311
11:45 AM	55	21	49	35	160	0	544	0	0	544	6	0	6	1	13	0	423	30	44	497	1214
Total	232	82	243	85	642	1	2148	1	0	2150	29	0	19	1	49	0	1717	126	133	1976	4817
12:00 PM	41	15	60	33	149	1	546	0	0	547	4	0	6	0	10	0	457	18	60	535	1241
12:15 PM	52	23	33	22	130	12	588	0	0	600	6	0	2	0	8	0	464	24	42	530	1268
12:30 PM	63	5	32	16	116	0	551	0	0	551	7	0	4	0	11	0	408	11	55	474	1152
12:45 PM	29	14	33	1	77	1	518	1	0	520	0	0	5	0	5	0	464	18	49	531	1133
Total	185	57	158	72	472	14	2203	1	0	2218	17	0	17	0	34	0	1793	71	206	2070	4794
Grand Total	417	139	401	157	1114	15	4351	2	0	4368	46	0	36	1	83	0	3510	197	339	4046	9611
Apprch %	37.4	12.5	36	14.1		0.3	99.6	0	0		55.4	0	43.4	1.2		0	86.8	4.9	8.4		
Total %	4.3	1.4	4.2	1.6	11.6	0.2	45.3	0	0	45.4	0.5	0	0.4	0	0.9	0	36.5	2	3.5	42.1	

	Bishop Street Southbound					Nimitz Highway Westbound					Bishop Street Northbound					Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	**57**	14	**72**	12	155	**1**	**614**	**1**	0	**616**	**8**	0	**6**	0	**14**	0	426	**65**	35	526	**1311**
11:45 AM	55	21	49	**35**	**160**	0	544	0	0	544	6	0	6	1	13	0	423	30	44	497	1214
12:00 PM	41	15	60	33	149	1	546	0	0	547	4	0	6	0	10	0	457	18	**60**	**535**	1241
12:15 PM	52	**23**	33	22	130	**12**	588	0	0	600	6	0	2	0	8	0	**464**	24	42	530	1268
Total Volume	205	73	214	102	594	14	2292	1	0	2307	24	0	20	1	45	0	1770	137	181	2088	5034
% App. Total	34.5	12.3	36	17.2		0.6	99.3	0	0		53.3	0	44.4	2.2		0	84.8	6.6	8.7		
PHF	.899	.793	.743	.729	.928	.292	.933	.250	.000	.936	.750	.000	.833	.250	.804	.000	.954	.527	.754	.976	.960

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

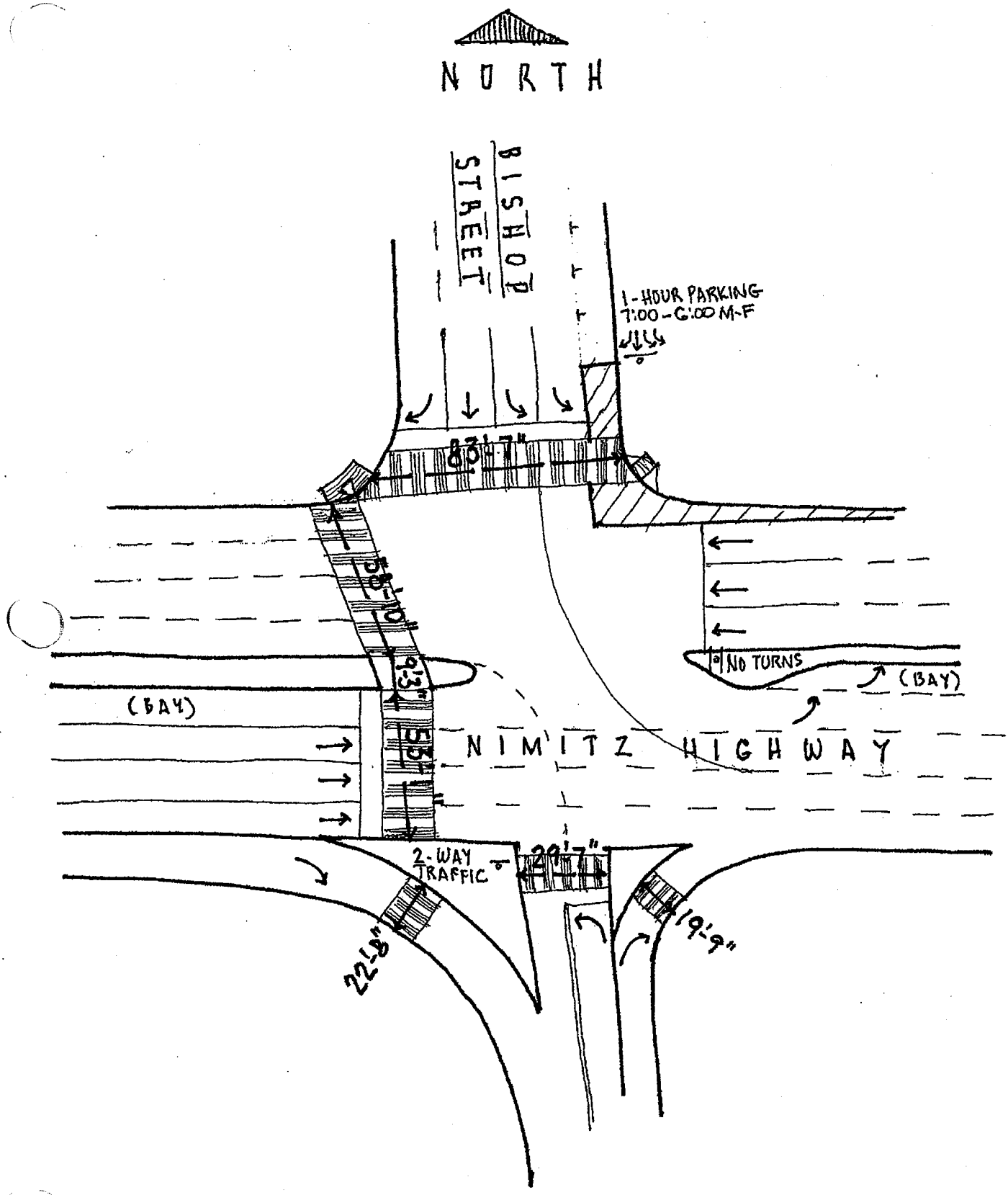
Counter:D1-0525, D4-3889
Counted:ZW, JY
Weather:Clear

File Name : NimBis PM
Site Code : 00000005
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					Nimitz Highway Westbound					Bishop Street Northbound					Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	67	12	82	8	169	0	679	0	0	679	8	0	14	3	25	0	671	19	20	710	1583
04:15 PM	59	20	64	6	149	0	682	0	0	682	16	0	10	2	28	0	757	18	12	787	1646
04:30 PM	96	4	78	16	194	3	901	0	0	904	10	1	12	1	24	0	689	16	14	719	1841
04:45 PM	83	16	75	12	186	0	897	0	0	897	17	0	8	0	25	0	756	7	10	773	1881
Total	305	52	299	42	698	3	3159	0	0	3162	51	1	44	6	102	0	2873	60	56	2989	6951
05:00 PM	80	15	75	6	176	0	925	0	0	925	10	0	19	0	29	0	640	10	27	677	1807
05:15 PM	87	12	81	5	185	2	790	1	0	793	24	0	11	0	35	0	626	4	20	650	1663
05:30 PM	45	13	70	7	135	0	915	2	0	917	8	0	5	3	16	0	604	8	18	630	1698
05:45 PM	48	7	78	7	140	0	618	0	0	618	12	0	5	0	17	0	488	19	29	536	1311
Total	260	47	304	25	636	2	3248	3	0	3253	54	0	40	3	97	0	2358	41	94	2493	6479
Grand Total	565	99	603	67	1334	5	6407	3	0	6415	105	1	84	9	199	0	5231	101	150	5482	13430
Apprch %	42.4	7.4	45.2	5		0.1	99.9	0	0		52.8	0.5	42.2	4.5		0	95.4	1.8	2.7		
Total %	4.2	0.7	4.5	0.5	9.9	0	47.7	0	0	47.8	0.8	0	0.6	0.1	1.5	0	39	0.8	1.1	40.8	

	Bishop Street Southbound					Nimitz Highway Westbound					Bishop Street Northbound					Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	**96**	4	78	**16**	**194**	**3**	901	0	0	904	10	**1**	12	**1**	24	0	689	**16**	14	719	1841
04:45 PM	83	**16**	75	12	186	0	897	0	0	897	17	0	8	0	25	0	**756**	7	10	**773**	**1881**
05:00 PM	80	15	75	6	176	0	**925**	0	0	**925**	10	0	**19**	0	29	0	640	10	**27**	677	1807
05:15 PM	87	12	**81**	5	185	2	790	**1**	0	793	**24**	0	11	0	**35**	0	626	4	20	650	1663
Total Volume	346	47	309	39	741	5	3513	1	0	3519	61	1	50	1	113	0	2711	37	71	2819	7192
% App. Total	46.7	6.3	41.7	5.3		0.1	99.8	0	0		54	0.9	44.2	0.9		0	96.2	1.3	2.5		
PHF	.901	.734	.954	.609	.955	.417	.949	.250	.000	.951	.635	.250	.658	.250	.807	.000	.896	.578	.657	.912	.956


NORTH
BISHOP STREET
1-HOUR PARKING
7:00 - 6:00 M-F
80'-7"
58'-10"
6'-3"
52'-4"
(BAY)
NO TURNS
(BAY)
NIMITZ HIGHWAY
2-WAY TRAFFIC
29'-7"
22'-8"
19'-9"

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5673
Counted:RY, JM
Weather:Clear

File Name : NimAla AM
Site Code : 00000006
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	15	15	0	313	44	0	357	0	142	615	27	0	784	1156
06:45 AM	0	0	0	12	12	0	285	57	0	342	0	174	657	0	0	831	1185
Total	0	0	0	27	27	0	598	101	0	699	0	316	1272	27	0	1615	2341
07:00 AM	0	0	0	9	9	0	473	92	0	565	0	140	673	2	0	815	1389
07:15 AM	0	0	0	22	22	0	464	93	0	557	0	184	697	0	0	881	1460
07:30 AM	0	0	0	13	13	0	472	127	0	599	0	133	660	0	0	793	1405
07:45 AM	0	0	0	28	28	0	460	162	0	622	0	183	596	1	0	780	1430
Total	0	0	0	72	72	0	1869	474	0	2343	0	640	2626	3	0	3269	5684
08:00 AM	0	0	0	18	18	0	477	109	0	586	0	120	560	0	0	680	1284
08:15 AM	0	0	0	16	16	0	387	122	0	509	0	134	512	0	0	646	1171
Grand Total	0	0	0	133	133	0	3331	806	0	4137	0	1210	4970	30	0	6210	10480
Apprch %	0	0	0	100		0	80.5	19.5	0			19.5	80	0.5	0		
Total %	0	0	0	1.3	1.3	0	31.8	7.7	0	39.5	0	11.5	47.4	0.3	0	59.3	

	Alakea Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	0	0	9	9	0	**473**	92	0	565	0	140	673	**2**	0	815	1389
07:15 AM	0	0	0	22	22	0	464	93	0	557	0	**184**	**697**	0	0	**881**	**1460**
07:30 AM	0	0	0	13	13	0	472	127	0	599	0	133	660	0	0	793	1405
07:45 AM	0	0	0	**28**	**28**	0	460	**162**	0	**622**	0	183	596	1	0	780	1430
Total Volume	0	0	0	72	72	0	1869	474	0	2343	0	640	2626	3	0	3269	5684
% App. Total	0	0	0	100		0	79.8	20.2	0			19.6	80.3	0.1	0		
PHF	.000	.000	.000	.643	.643	.000	.988	.731	.000	.942	.000	.870	.942	.375	.000	.928	.973

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5673
Counted:RY, JM
Weather:Clear

File Name : NimAla MIDDAY
Site Code : 00000006
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	27	27	0	485	64	0	549	0	51	410	0	0	461	1037
11:15 AM	0	0	0	17	17	0	484	71	0	555	0	74	467	0	0	541	1113
11:30 AM	0	0	0	25	25	0	531	68	0	599	0	63	455	0	0	518	1142
11:45 AM	0	0	0	36	36	0	494	63	0	557	0	82	420	0	0	502	1095
Total	0	0	0	105	105	0	1994	266	0	2260	0	270	1752	0	0	2022	4387
12:00 PM	0	0	0	37	37	0	476	92	0	568	0	60	397	0	0	457	1062
12:15 PM	0	0	0	23	23	0	549	94	0	643	0	57	450	0	0	507	1173
12:30 PM	0	0	0	34	34	0	461	86	0	547	0	96	401	0	0	497	1078
12:45 PM	0	0	0	21	21	0	505	87	0	592	0	58	450	0	0	508	1121
Total	0	0	0	115	115	0	1991	359	0	2350	0	271	1698	0	0	1969	4434
Grand Total	0	0	0	220	220	0	3985	625	0	4610	0	541	3450	0	0	3991	8821
Apprch %	0	0	0	100		0	86.4	13.6	0			13.6	86.4	0	0		
Total %	0	0	0	2.5	2.5	0	45.2	7.1	0	52.3	0	6.1	39.1	0	0	45.2	

	Alakea Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	0	0	0	25	25	0	531	68	0	599	0	63	**455**	0	0	**518**	1142
11:45 AM	0	0	0	36	36	0	494	63	0	557	0	**82**	420	0	0	502	1095
12:00 PM	0	0	0	**37**	**37**	0	476	92	0	568	0	60	397	0	0	457	1062
12:15 PM	0	0	0	23	23	0	**549**	**94**	0	**643**	0	57	450	0	0	507	**1173**
Total Volume	0	0	0	121	121	0	2050	317	0	2367	0	262	1722	0	0	1984	4472
% App. Total	0	0	0	100		0	86.6	13.4	0			13.2	86.8	0	0		
PHF	.000	.000	.000	.818	.818	.000	.934	.843	.000	.920	.000	.799	.946	.000	.000	.958	.953

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

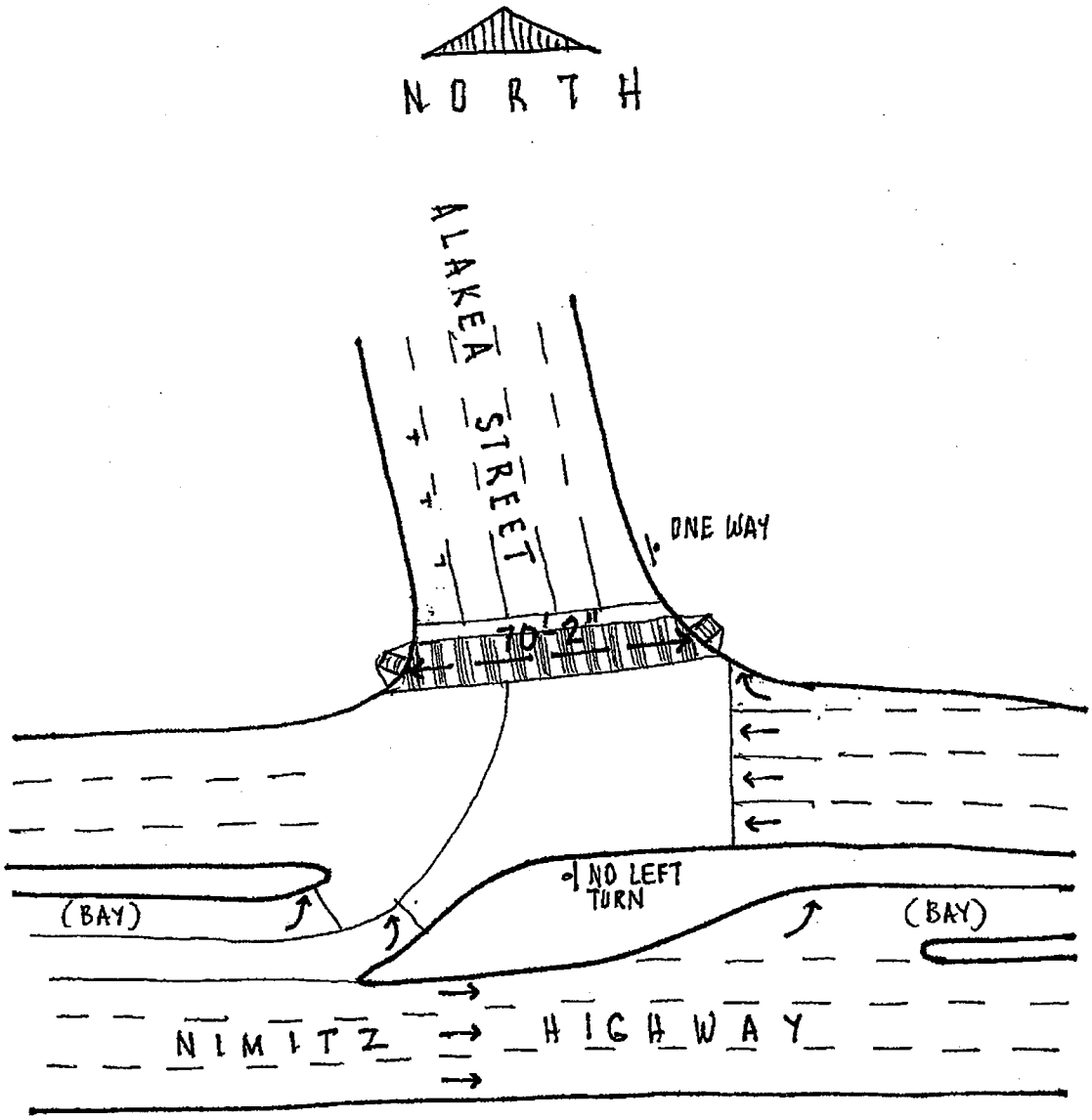
Counter:D4-3888, D4-5673
Counted:TO, JM
Weather:Clear

File Name : NimAla PM
Site Code : 00000006
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	16	16	0	531	82	0	613	0	116	575	0	0	691	1320
04:15 PM	0	0	0	27	27	0	610	101	0	711	0	106	678	0	0	784	1522
04:30 PM	0	0	0	24	24	0	622	73	0	695	0	120	662	0	0	782	1501
04:45 PM	0	0	0	32	32	0	684	85	0	769	0	101	634	0	0	735	1536
Total	0	0	0	99	99	0	2447	341	0	2788	0	443	2549	0	0	2992	5879
05:00 PM	0	0	0	17	17	0	639	82	0	721	0	117	553	0	0	670	1408
05:15 PM	0	0	0	21	21	0	696	84	0	780	0	117	612	0	0	729	1530
05:30 PM	0	0	0	25	25	0	689	89	0	778	0	110	518	0	0	628	1431
05:45 PM	0	0	0	16	16	0	464	56	0	520	0	101	440	0	0	541	1077
Total	0	0	0	79	79	0	2488	311	0	2799	0	445	2123	0	0	2568	5446
Grand Total	0	0	0	178	178	0	4935	652	0	5587	0	888	4672	0	0	5560	11325
Apprch %	0	0	0	100		0	88.3	11.7	0			16	84	0	0		
Total %	0	0	0	1.6	1.6	0	43.6	5.8	0	49.3	0	7.8	41.3	0	0	49.1	

	Alakea Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	0	0	0	24	24	0	622	73	0	695	0	**120**	**662**	0	0	**782**	1501
04:45 PM	0	0	0	**32**	**32**	0	684	**85**	0	769	0	101	634	0	0	735	**1536**
05:00 PM	0	0	0	17	17	0	639	82	0	721	0	117	553	0	0	670	1408
05:15 PM	0	0	0	21	21	0	**696**	84	0	**780**	0	117	612	0	0	729	1530
Total Volume	0	0	0	94	94	0	2641	324	0	2965	0	455	2461	0	0	2916	5975
% App. Total	0	0	0	100		0	89.1	10.9	0			15.6	84.4	0	0		
PHF	.000	.000	.000	.734	.734	.000	.949	.953	.000	.950	.000	.948	.929	.000	.000	.932	.972


NORTH
ALAKEA STREET
ONE WAY
70'-0"
NO LEFT TURN
(BAY)
(BAY)
NIMITZ HIGHWAY

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677,D4-5671
Counted:TK, SW
Weather:Clear

File Name : NimHal AM
Site Code : 00000007
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	X-Walk East / West at Halekauwila Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	19	19	2	376	0	0	378	0	91	551	2	10	654	1051
06:45 AM	0	0	0	12	12	11	319	0	0	330	0	102	513	0	10	625	967
Total	0	0	0	31	31	13	695	0	0	708	0	193	1064	2	20	1279	2018
07:00 AM	0	0	0	19	19	6	563	0	0	569	0	108	448	0	5	561	1149
07:15 AM	0	0	0	22	22	6	534	0	0	540	0	85	490	0	2	577	1139
07:30 AM	0	0	0	18	18	6	509	0	0	515	0	96	465	0	11	572	1105
07:45 AM	0	0	0	23	23	7	605	0	0	612	0	91	359	0	7	457	1092
Total	0	0	0	82	82	25	2211	0	0	2236	0	380	1762	0	25	2167	4485
08:00 AM	0	0	0	14	14	2	535	0	0	537	0	66	297	1	0	364	915
08:15 AM	0	0	0	14	14	8	515	0	0	523	0	57	332	1	10	400	937
Grand Total	0	0	0	141	141	48	3956	0	0	4004	0	696	3455	4	55	4210	8355
Apprch %	0	0	0	100		1.2	98.8	0	0			16.5	82.1	0.1	1.3		
Total %	0	0	0	1.7	1.7	0.6	47.3	0	0	47.9	0	8.3	41.4	0	0.7	50.4	

	X-Walk East / West at Halekauwila Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	0	0	19	19	6	563	0	0	569	0	**108**	448	0	5	561	**1149**
07:15 AM	0	0	0	22	22	6	534	0	0	540	0	85	**490**	0	2	**577**	1139
07:30 AM	0	0	0	18	18	6	509	0	0	515	0	96	465	0	11	572	1105
07:45 AM	0	0	0	**23**	**23**	**7**	**605**	0	0	**612**	0	91	359	0	7	457	1092
Total Volume	0	0	0	82	82	25	2211	0	0	2236	0	380	1762	0	25	2167	4485
% App. Total	0	0	0	100		1.1	98.9	0	0			17.5	81.3	0	1.2		
PHF	.000	.000	.000	.891	.891	.893	.914	.000	.000	.913	.000	.880	.899	.000	.568	.939	.976

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5671
Counted:SW, LE
Weather:Clear

File Name : NimHal MIDDAY
Site Code : 00000007
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	X-Walk East / West at Halekauwila Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	16	16	7	501	0	0	508	0	52	385	0	10	447	971
11:15 AM	0	0	0	13	13	19	560	0	0	579	0	71	387	0	7	465	1057
11:30 AM	0	0	0	10	10	19	569	0	0	588	0	57	425	0	10	492	1090
11:45 AM	0	0	0	15	15	23	525	0	0	548	0	33	408	0	6	447	1010
Total	0	0	0	54	54	68	2155	0	0	2223	0	213	1605	0	33	1851	4128
12:00 PM	0	0	0	15	15	21	582	0	0	603	0	64	376	0	14	454	1072
12:15 PM	0	0	0	6	6	11	578	0	0	589	0	37	430	0	2	469	1064
12:30 PM	0	0	0	23	23	13	569	0	0	582	0	64	352	0	9	425	1030
12:45 PM	0	0	0	12	12	10	535	0	0	545	0	44	403	0	7	454	1011
Total	0	0	0	56	56	55	2264	0	0	2319	0	209	1561	0	32	1802	4177
Grand Total	0	0	0	110	110	123	4419	0	0	4542	0	422	3166	0	65	3653	8305
Apprch %	0	0	0	100		2.7	97.3	0	0			11.6	86.7	0	1.8		
Total %	0	0	0	1.3	1.3	1.5	53.2	0	0	54.7	0	5.1	38.1	0	0.8	44	

	X-Walk East / West at Halekauwila Street Southbound					Nimitz Highway Westbound					Northbound	Nimitz Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	0	0	0	10	10	19	569	0	0	588	0	57	425	0	10	**492**	**1090**
11:45 AM	0	0	0	**15**	**15**	**23**	525	0	0	548	0	33	408	0	6	447	1010
12:00 PM	0	0	0	15	15	21	**582**	0	0	**603**	0	**64**	376	0	**14**	454	1072
12:15 PM	0	0	0	6	6	11	578	0	0	589	0	37	**430**	0	2	469	1064
Total Volume	0	0	0	46	46	74	2254	0	0	2328	0	191	1639	0	32	1862	4236
% App. Total	0	0	0	100		3.2	96.8	0	0			10.3	88	0	1.7		
PHF	.000	.000	.000	.767	.767	.804	.968	.000	.000	.965	.000	.746	.953	.000	.571	.946	.972

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

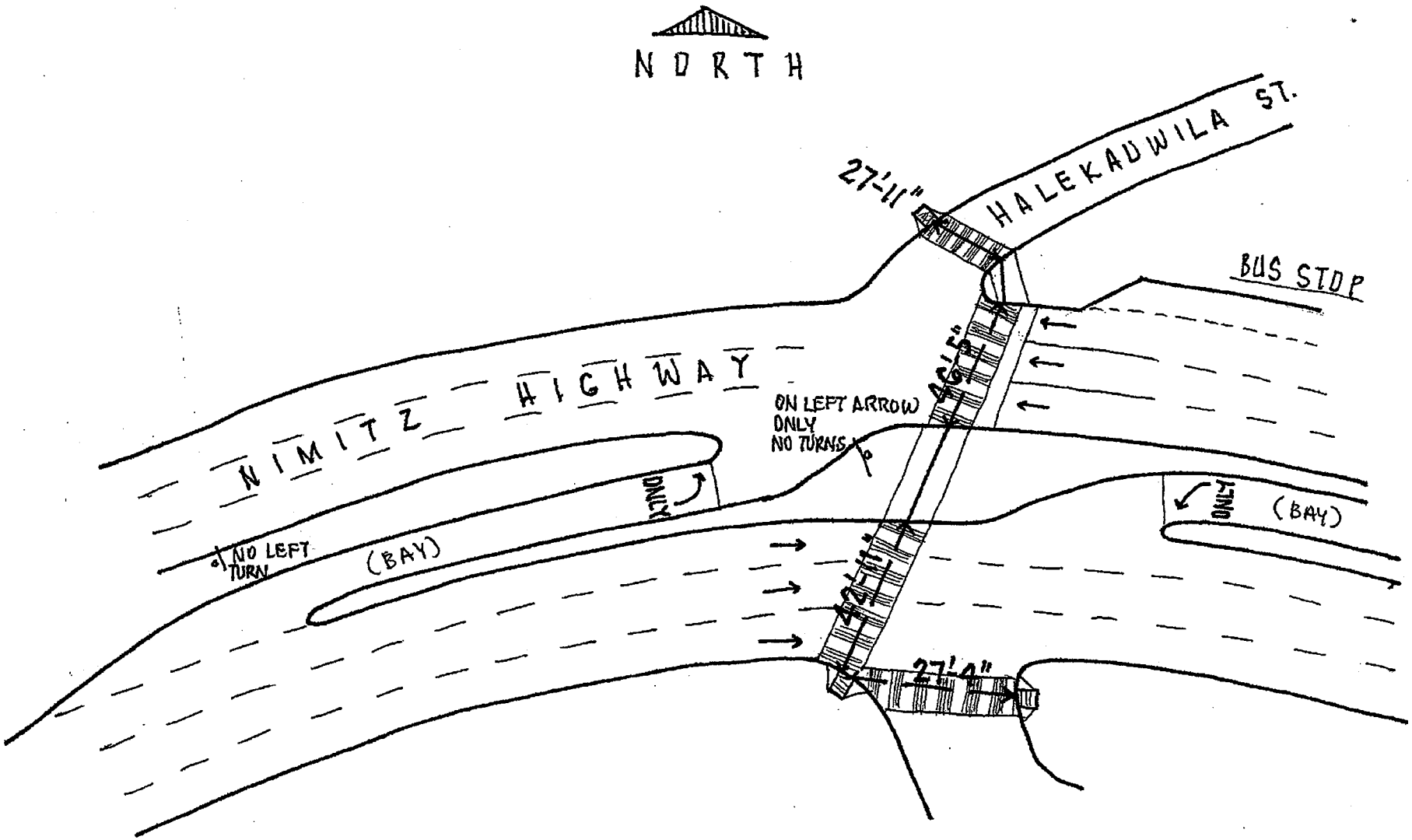
Counter:D4-5677, D4-5671
Counted:AF, LE
Weather:Clear

File Name : NimHal PM
Site Code : 00000007
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	X-Walk East / West at Halekauwila Southbound					Westbound					Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	19	19	13	633	0	0	646	0	0	0	0	0	101	537	2	7	647	1312
04:15 PM	0	0	0	21	21	25	698	0	0	723	0	0	0	0	0	98	579	5	2	684	1428
04:30 PM	0	0	0	20	20	23	751	0	0	774	0	0	0	0	0	91	613	3	2	709	1503
04:45 PM	0	0	0	21	21	47	733	0	0	780	0	0	0	0	0	101	580	6	3	690	1491
Total	0	0	0	81	81	108	2815	0	0	2923	0	0	0	0	0	391	2309	16	14	2730	5734
05:00 PM	0	0	0	14	14	36	747	0	0	783	0	0	0	0	0	88	538	4	3	633	1430
05:15 PM	0	0	0	10	10	19	730	0	0	749	0	0	0	0	0	100	550	0	3	653	1412
05:30 PM	0	0	0	15	15	10	766	0	0	776	0	0	0	0	0	66	497	1	1	565	1356
05:45 PM	0	0	0	6	6	12	536	0	0	548	0	0	0	0	0	71	397	1	1	470	1024
Total	0	0	0	45	45	77	2779	0	0	2856	0	0	0	0	0	325	1982	6	8	2321	5222
Grand Total	0	0	0	126	126	185	5594	0	0	5779	0	0	0	0	0	716	4291	22	22	5051	10956
Apprch %	0	0	0	100		3.2	96.8	0	0		0	0	0	0		14.2	85	0.4	0.4		
Total %	0	0	0	1.2	1.2	1.7	51.1	0	0	52.7	0	0	0	0	0	6.5	39.2	0.2	0.2	46.1	

	X-Walk East / West at Halekauwila Southbound					Westbound					Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	0	0	**21**	**21**	25	698	0	0	723	0	0	0	0	0	98	579	5	2	684	1428
04:30 PM	0	0	0	20	20	23	**751**	0	0	774	0	0	0	0	0	91	**613**	3	2	**709**	**1503**
04:45 PM	0	0	0	21	21	**47**	733	0	0	780	0	0	0	0	0	**101**	580	**6**	**3**	690	1491
05:00 PM	0	0	0	14	14	36	747	0	0	**783**	0	0	0	0	0	88	538	4	3	633	1430
Total Volume	0	0	0	76	76	131	2929	0	0	3060	0	0	0	0	0	378	2310	18	10	2716	5852
% App. Total	0	0	0	100		4.3	95.7	0	0		0	0	0	0		13.9	85.1	0.7	0.4		
PHF	.000	.000	.000	.905	.905	.697	.975	.000	.000	.977	.000	.000	.000	.000	.000	.936	.942	.750	.833	.958	.973


NORTH
HALEKAUWILA ST.
27'-11"
BUS STOP
NIMITZ HIGHWAY
ON LEFT ARROW ONLY
NO TURNS
ONLY
NO LEFT TURN
(BAY)
ONLY
(BAY)
27'-4"

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675
Counted:JM
Weather:Clear

File Name : QueBis AM
Site Code : 00000008
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					Queen Street Westbound					Bishop Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	72	87	59	19	237	0	43	0	26	69	0	0	0	11	11	0	0	1	14	15	332
06:45 AM	101	140	67	31	339	9	65	0	23	97	0	0	0	13	13	0	2	0	27	29	478
Total	173	227	126	50	576	9	108	0	49	166	0	0	0	24	24	0	2	1	41	44	810
07:00 AM	116	112	68	24	320	15	69	0	28	112	0	0	0	15	15	0	1	0	39	40	487
07:15 AM	122	127	61	25	335	16	84	0	24	124	0	0	0	17	17	0	1	1	23	25	501
07:30 AM	131	132	93	26	382	26	100	0	14	140	0	0	0	26	26	0	2	1	28	31	579
07:45 AM	119	128	73	36	356	23	87	0	40	150	0	0	0	34	34	0	2	0	56	58	598
Total	488	499	295	111	1393	80	340	0	106	526	0	0	0	92	92	0	6	2	146	154	2165
08:00 AM	103	156	77	17	353	31	95	0	34	160	0	0	0	28	28	0	5	0	28	33	574
08:15 AM	89	125	68	37	319	23	99	0	22	144	0	0	0	24	24	0	1	0	38	39	526
Grand Total	853	1007	566	215	2641	143	642	0	211	996	0	0	0	168	168	0	14	3	253	270	4075
Apprch %	32.3	38.1	21.4	8.1		14.4	64.5	0	21.2		0	0	0	100		0	5.2	1.1	93.7		
Total %	20.9	24.7	13.9	5.3	64.8	3.5	15.8	0	5.2	24.4	0	0	0	4.1	4.1	0	0.3	0.1	6.2	6.6	

	Bishop Street Southbound					Queen Street Westbound					Bishop Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	**131**	132	**93**	26	**382**	26	**100**	0	14	140	0	0	0	26	26	0	2	**1**	28	31	579
07:45 AM	119	128	73	36	356	23	87	0	**40**	150	0	0	0	**34**	**34**	0	2	0	**56**	**58**	**598**
08:00 AM	103	**156**	77	17	353	**31**	95	0	34	**160**	0	0	0	28	28	0	**5**	0	28	33	574
08:15 AM	89	125	68	**37**	319	23	99	0	22	144	0	0	0	24	24	0	1	0	38	39	526
Total Volume	442	541	311	116	1410	103	381	0	110	594	0	0	0	112	112	0	10	1	150	161	2277
% App. Total	31.3	38.4	22.1	8.2		17.3	64.1	0	18.5		0	0	0	100		0	6.2	0.6	93.2		
PHF	.844	.867	.836	.784	.923	.831	.953	.000	.688	.928	.000	.000	.000	.824	.824	.000	.500	.250	.670	.694	.952

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-3891
Counted:DN, LE
Weather:Clear

File Name : QueBis MIDDAY
Site Code : 00000008
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					Queen Street Westbound					Bishop Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	38	100	62	24	224	6	105	0	58	169	0	0	0	37	37	0	7	1	51	59	489
11:15 AM	52	113	50	19	234	13	101	0	83	197	0	0	0	71	71	0	14	1	50	65	567
11:30 AM	56	115	55	47	273	11	99	0	75	185	0	0	0	77	77	0	11	4	82	97	632
11:45 AM	41	106	49	60	256	13	88	0	116	217	0	0	0	81	81	0	6	3	70	79	633
Total	187	434	216	150	987	43	393	0	332	768	0	0	0	266	266	0	38	9	253	300	2321
12:00 PM	43	130	36	76	285	8	92	0	125	225	0	0	0	138	138	0	0	0	121	121	769
12:15 PM	51	90	38	56	235	9	82	0	124	215	0	0	0	138	138	0	0	0	121	121	709
12:30 PM	48	88	50	63	249	11	95	0	112	218	0	0	0	106	106	0	0	0	99	99	672
12:45 PM	41	98	45	56	240	9	95	0	126	230	0	0	0	96	96	0	0	0	90	90	656
Total	183	406	169	251	1009	37	364	0	487	888	0	0	0	478	478	0	0	0	431	431	2806
Grand Total	370	840	385	401	1996	80	757	0	819	1656	0	0	0	744	744	0	38	9	684	731	5127
Apprch %	18.5	42.1	19.3	20.1		4.8	45.7	0	49.5		0	0	0	100		0	5.2	1.2	93.6		
Total %	7.2	16.4	7.5	7.8	38.9	1.6	14.8	0	16	32.3	0	0	0	14.5	14.5	0	0.7	0.2	13.3	14.3	

	Bishop Street Southbound					Queen Street Westbound					Bishop Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	43	**130**	36	**76**	**285**	8	92	0	125	225	0	0	0	**138**	**138**	0	0	0	**121**	**121**	**769**
12:15 PM	**51**	90	38	56	235	9	82	0	124	215	0	0	0	138	138	0	0	0	121	121	709
12:30 PM	48	88	**50**	63	249	**11**	**95**	0	112	218	0	0	0	106	106	0	0	0	99	99	672
12:45 PM	41	98	45	56	240	9	95	0	**126**	**230**	0	0	0	96	96	0	0	0	90	90	656
Total Volume	183	406	169	251	1009	37	364	0	487	888	0	0	0	478	478	0	0	0	431	431	2806
% App. Total	18.1	40.2	16.7	24.9		4.2	41	0	54.8		0	0	0	100		0	0	0	100		
PHF	.897	.781	.845	.826	.885	.841	.958	.000	.966	.965	.000	.000	.000	.866	.866	.000	.000	.000	.890	.890	.912

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

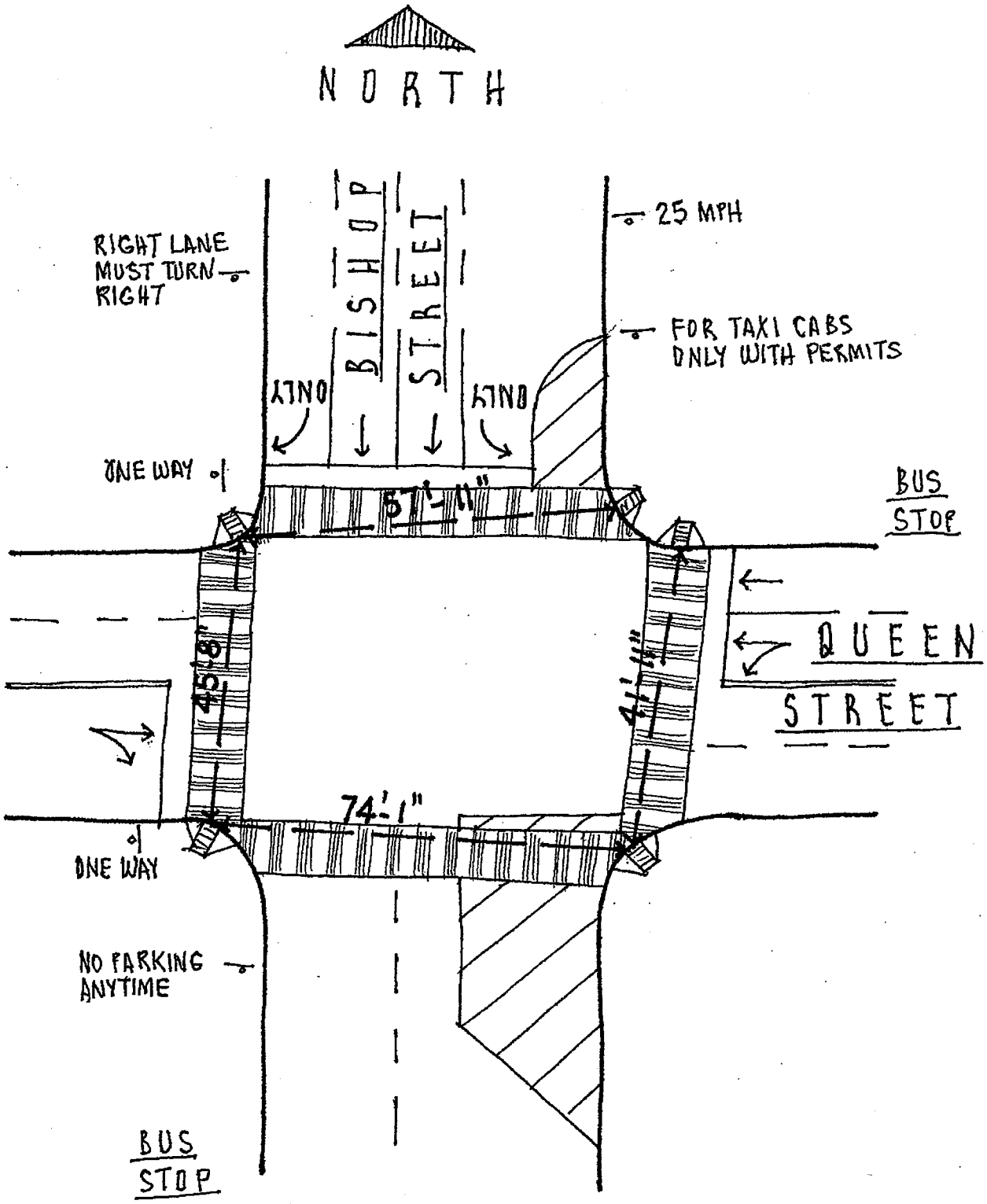
Counter:D4-5675, D4-3891
Counted:DN, LE
Weather:Clear

File Name : QueBis PM
Site Code : 00000008
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					Queen Street Westbound					Bishop Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	46	117	72	22	257	14	135	0	58	207	0	0	0	33	33	0	0	0	59	59	556
04:15 PM	67	119	54	18	258	17	119	0	56	192	0	0	0	29	29	0	0	0	42	42	521
04:30 PM	48	110	59	31	248	23	133	0	49	205	0	0	0	37	37	0	0	0	67	67	557
04:45 PM	65	142	57	13	277	24	136	0	44	204	1	0	0	30	31	0	0	0	50	50	562
Total	226	488	242	84	1040	78	523	0	207	808	1	0	0	129	130	0	0	0	218	218	2196
05:00 PM	67	130	75	29	301	17	148	0	67	232	0	0	0	42	42	0	0	0	56	56	631
05:15 PM	74	132	61	19	286	13	167	0	29	209	0	0	0	21	21	0	0	0	47	47	563
05:30 PM	64	128	62	15	269	10	123	0	27	160	0	0	0	20	20	0	0	0	32	32	481
05:45 PM	51	120	55	3	229	12	121	0	30	163	0	0	0	17	17	0	0	0	28	28	437
Total	256	510	253	66	1085	52	559	0	153	764	0	0	0	100	100	0	0	0	163	163	2112
Grand Total	482	998	495	150	2125	130	1082	0	360	1572	1	0	0	229	230	0	0	0	381	381	4308
Apprch %	22.7	47	23.3	7.1		8.3	68.8	0	22.9		0.4	0	0	99.6		0	0	0	100		
Total %	11.2	23.2	11.5	3.5	49.3	3	25.1	0	8.4	36.5	0	0	0	5.3	5.3	0	0	0	8.8	8.8	

	Bishop Street Southbound					Queen Street Westbound					Bishop Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	48	110	59	**31**	248	23	133	0	49	205	0	0	0	37	37	0	0	0	**67**	**67**	557
04:45 PM	65	**142**	57	13	277	**24**	136	0	44	204	**1**	0	0	30	31	0	0	0	50	50	562
05:00 PM	67	130	**75**	29	**301**	17	148	0	**67**	**232**	0	0	0	**42**	**42**	0	0	0	56	56	**631**
05:15 PM	**74**	132	61	19	286	13	**167**	0	29	209	0	0	0	21	21	0	0	0	47	47	563
Total Volume	254	514	252	92	1112	77	584	0	189	850	1	0	0	130	131	0	0	0	220	220	2313
% App. Total	22.8	46.2	22.7	8.3		9.1	68.7	0	22.2		0.8	0	0	99.2		0	0	0	100		
PHF	.858	.905	.840	.742	.924	.802	.874	.000	.705	.916	.250	.000	.000	.774	.780	.000	.000	.000	.821	.821	.916


NORTH
BISHOP
STREET
ONLY
ONLY
25 MPH
RIGHT LANE
MUST TURN
RIGHT
FOR TAXI CABS
ONLY WITH PERMITS
ONE WAY
57'-11"
BUS
STOP
QUEEN
STREET
45'-8"
41'-11"
74'-1"
ONE WAY
NO PARKING
ANYTIME
BUS
STOP

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-3890
Counted:ER, EA
Weather:Clear

File Name : QuePun AM
Site Code : 00000012
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Queen Street Westbound					Punchbowl Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	25	147	21	12	205	8	50	0	15	73	0	0	0	17	17	0	57	25	33	115	410
06:45 AM	29	175	20	25	249	18	74	0	19	111	0	0	0	22	22	0	49	49	38	136	518
Total	54	322	41	37	454	26	124	0	34	184	0	0	0	39	39	0	106	74	71	251	928
07:00 AM	27	180	34	33	274	10	100	0	29	139	0	0	0	36	36	0	65	49	58	172	621
07:15 AM	30	213	32	22	297	18	120	0	28	166	0	0	0	19	19	0	72	61	53	186	668
07:30 AM	37	191	46	36	310	31	120	0	31	182	0	0	0	18	18	0	84	46	58	188	698
07:45 AM	28	214	50	23	315	25	139	0	27	191	0	0	0	9	9	0	75	51	32	158	673
Total	122	798	162	114	1196	84	479	0	115	678	0	0	0	82	82	0	296	207	201	704	2660
08:00 AM	31	210	42	19	302	22	132	0	16	170	0	0	0	16	16	0	64	45	37	146	634
08:15 AM	33	200	47	15	295	21	120	0	15	156	0	0	0	14	14	0	58	32	34	124	589
Grand Total	240	1530	292	185	2247	153	855	0	180	1188	0	0	0	151	151	0	524	358	343	1225	4811
Apprch %	10.7	68.1	13	8.2		12.9	72	0	15.2		0	0	0	100		0	42.8	29.2	28		
Total %	5	31.8	6.1	3.8	46.7	3.2	17.8	0	3.7	24.7	0	0	0	3.1	3.1	0	10.9	7.4	7.1	25.5	

	Punchbowl Street Southbound					Queen Street Westbound					Punchbowl Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	30	213	32	22	297	18	120	0	28	166	0	0	0	**19**	**19**	0	72	**61**	53	186	668
07:30 AM	**37**	191	46	**36**	310	**31**	120	0	**31**	182	0	0	0	18	18	0	**84**	46	**58**	**188**	**698**
07:45 AM	28	**214**	**50**	23	**315**	25	**139**	0	27	**191**	0	0	0	9	9	0	75	51	32	158	673
08:00 AM	31	210	42	19	302	22	132	0	16	170	0	0	0	16	16	0	64	45	37	146	634
Total Volume	126	828	170	100	1224	96	511	0	102	709	0	0	0	62	62	0	295	203	180	678	2673
% App. Total	10.3	67.6	13.9	8.2		13.5	72.1	0	14.4		0	0	0	100		0	43.5	29.9	26.5		
PHF	.851	.967	.850	.694	.971	.774	.919	.000	.823	.928	.000	.000	.000	.816	.816	.000	.878	.832	.776	.902	.957

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-3890
Counted:ER, EA
Weather:Clear

File Name : QuePun MIDDAY
Site Code : 00000012
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Queen Street Westbound					Punchbowl Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	40	172	27	18	257	13	136	0	24	173	0	0	0	18	18	0	72	28	22	122	570
11:15 AM	49	170	15	14	248	24	131	0	14	169	0	0	0	13	13	0	71	27	27	125	555
11:30 AM	45	159	31	17	252	23	127	0	16	166	0	0	0	29	29	0	56	35	43	134	581
11:45 AM	49	165	14	16	244	20	95	0	13	128	0	0	0	33	33	0	76	41	32	149	554
Total	183	666	87	65	1001	80	489	0	67	636	0	0	0	93	93	0	275	131	124	530	2260
12:00 PM	44	157	25	23	249	21	72	0	27	120	0	0	0	33	33	0	62	31	44	137	539
12:15 PM	44	189	18	24	275	18	91	0	29	138	0	0	0	24	24	0	66	22	31	119	556
12:30 PM	47	155	17	22	241	17	97	0	24	138	0	0	0	18	18	0	44	22	41	107	504
12:45 PM	44	177	16	19	256	26	109	0	18	153	0	0	0	28	28	0	49	22	40	111	548
Total	179	678	76	88	1021	82	369	0	98	549	0	0	0	103	103	0	221	97	156	474	2147
Grand Total	362	1344	163	153	2022	162	858	0	165	1185	0	0	0	196	196	0	496	228	280	1004	4407
Apprch %	17.9	66.5	8.1	7.6		13.7	72.4	0	13.9		0	0	0	100		0	49.4	22.7	27.9		
Total %	8.2	30.5	3.7	3.5	45.9	3.7	19.5	0	3.7	26.9	0	0	0	4.4	4.4	0	11.3	5.2	6.4	22.8	

	Punchbowl Street Southbound					Queen Street Westbound					Punchbowl Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	40	**172**	27	**18**	**257**	13	**136**	0	**24**	**173**	0	0	0	18	18	0	72	28	22	122	570
11:15 AM	**49**	170	15	14	248	**24**	131	0	14	169	0	0	0	13	13	0	71	27	27	125	555
11:30 AM	45	159	**31**	17	252	23	127	0	16	166	0	0	0	29	29	0	56	35	**43**	134	**581**
11:45 AM	49	165	14	16	244	20	95	0	13	128	0	0	0	**33**	**33**	0	**76**	**41**	32	**149**	554
Total Volume	183	666	87	65	1001	80	489	0	67	636	0	0	0	93	93	0	275	131	124	530	2260
% App. Total	18.3	66.5	8.7	6.5		12.6	76.9	0	10.5		0	0	0	100		0	51.9	24.7	23.4		
PHF	.934	.968	.702	.903	.974	.833	.899	.000	.698	.919	.000	.000	.000	.705	.705	.000	.905	.799	.721	.889	.972

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

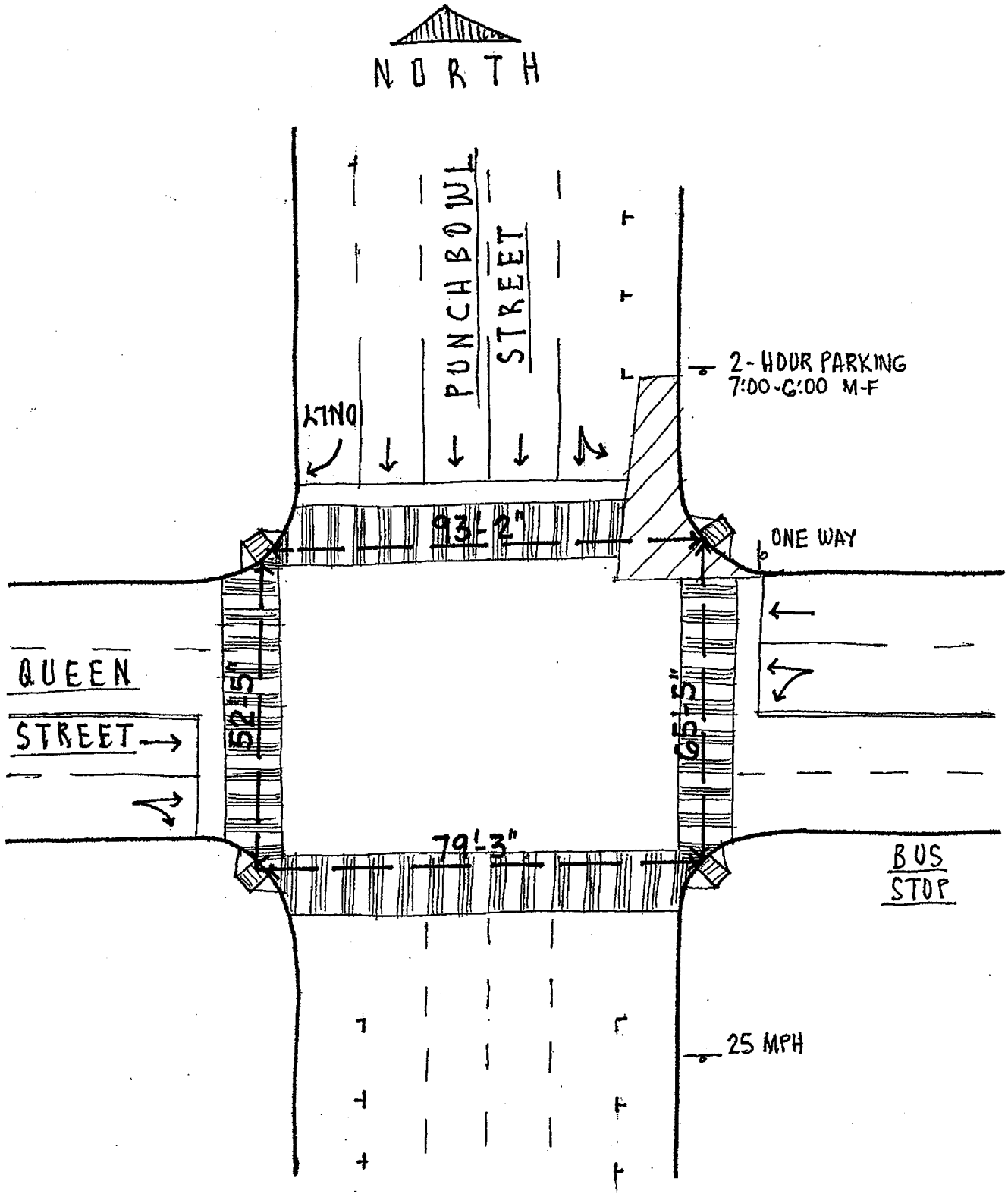
Counter:T-1841, D4-3890
Counted:AF, ER
Weather:Clear

File Name : QuePun PM
Site Code : 00000012
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Queen Street Westbound					Punchbowl Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	28	130	16	12	186	22	163	0	26	211	0	0	0	33	33	0	78	25	72	175	605
04:15 PM	49	115	14	11	189	14	146	0	18	178	0	0	0	32	32	0	89	27	49	165	564
04:30 PM	29	108	11	21	169	30	146	0	22	198	0	0	0	46	46	0	119	17	80	216	629
04:45 PM	35	114	14	16	179	22	139	0	26	187	0	0	0	15	15	0	126	31	44	201	582
Total	141	467	55	60	723	88	594	0	92	774	0	0	0	126	126	0	412	100	245	757	2380
05:00 PM	43	108	9	20	180	17	132	0	23	172	0	0	0	28	28	0	142	29	44	215	595
05:15 PM	37	121	12	16	186	22	135	0	13	170	0	0	0	17	17	0	148	34	25	207	580
05:30 PM	26	91	7	15	139	12	132	0	10	154	0	0	0	22	22	0	92	22	23	137	452
05:45 PM	38	79	5	8	130	9	85	0	6	100	0	0	0	14	14	0	73	17	16	106	350
Total	144	399	33	59	635	60	484	0	52	596	0	0	0	81	81	0	455	102	108	665	1977
Grand Total	285	866	88	119	1358	148	1078	0	144	1370	0	0	0	207	207	0	867	202	353	1422	4357
Apprch %	21	63.8	6.5	8.8		10.8	78.7	0	10.5		0	0	0	100		0	61	14.2	24.8		
Total %	6.5	19.9	2	2.7	31.2	3.4	24.7	0	3.3	31.4	0	0	0	4.8	4.8	0	19.9	4.6	8.1	32.6	

	Punchbowl Street Southbound					Queen Street Westbound					Punchbowl Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	29	108	11	21	169	30	146	0	22	198	0	0	0	46	46	0	119	17	80	216	629
04:45 PM	35	114	14	16	179	22	139	0	26	187	0	0	0	15	15	0	126	31	44	201	582
05:00 PM	43	108	9	20	180	17	132	0	23	172	0	0	0	28	28	0	142	29	44	215	595
05:15 PM	37	121	12	16	186	22	135	0	13	170	0	0	0	17	17	0	148	34	25	207	580
Total Volume	144	451	46	73	714	91	552	0	84	727	0	0	0	106	106	0	535	111	193	839	2386
% App. Total	20.2	63.2	6.4	10.2		12.5	75.9	0	11.6		0	0	0	100		0	63.8	13.2	23		
PHF	.837	.932	.821	.869	.960	.758	.945	.000	.808	.918	.000	.000	.000	.576	.576	.000	.904	.816	.603	.971	.948


NORTH
PUNCHBOWL
STREET
2-HOUR PARKING
7:00-6:00 M-F
ONLY
93'-2"
ONE WAY
QUEEN
STREET
52'-5"
65'-5"
79'-3"
BUS
STOP
25 MPH

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5671
Counted:TO, DN
Weather:Clear

File Name : QueSou AM
Site Code : 00000013
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	South Street Southbound					Queen Street Westbound					South Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	7	7	0	49	20	9	78	14	86	6	12	118	17	52	0	16	85	288
06:45 AM	0	0	0	5	5	0	75	14	3	92	16	113	4	7	140	26	62	0	12	100	337
Total	0	0	0	12	12	0	124	34	12	170	30	199	10	19	258	43	114	0	28	185	625
07:00 AM	0	0	0	6	6	0	95	19	7	121	19	116	12	4	151	32	82	0	22	136	414
07:15 AM	0	0	0	3	3	0	127	16	16	159	23	112	3	9	147	24	89	0	28	141	450
07:30 AM	0	0	0	14	14	0	144	22	18	184	40	122	4	12	178	33	95	0	28	156	532
07:45 AM	0	0	0	8	8	0	132	23	19	174	32	130	10	19	191	29	91	0	29	149	522
Total	0	0	0	31	31	0	498	80	60	638	114	480	29	44	667	118	357	0	107	582	1918
08:00 AM	0	0	0	12	12	0	118	23	18	159	27	120	7	7	161	42	81	0	22	145	477
08:15 AM	0	0	0	12	12	0	103	17	25	145	18	97	9	12	136	20	79	0	12	111	404
Grand Total	0	0	0	67	67	0	843	154	115	1112	189	896	55	82	1222	223	631	0	169	1023	3424
Apprch %	0	0	0	100		0	75.8	13.8	10.3		15.5	73.3	4.5	6.7		21.8	61.7	0	16.5		
Total %	0	0	0	2	2	0	24.6	4.5	3.4	32.5	5.5	26.2	1.6	2.4	35.7	6.5	18.4	0	4.9	29.9	

	South Street Southbound					Queen Street Westbound					South Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	0	3	3	0	127	16	16	159	23	112	3	9	147	24	89	0	28	141	450
07:30 AM	0	0	0	**14**	**14**	0	**144**	22	18	**184**	**40**	122	4	12	178	33	**95**	0	28	**156**	**532**
07:45 AM	0	0	0	8	8	0	132	**23**	**19**	174	32	**130**	**10**	**19**	**191**	29	91	0	**29**	149	522
08:00 AM	0	0	0	12	12	0	118	23	18	159	27	120	7	7	161	**42**	81	0	22	145	477
Total Volume	0	0	0	37	37	0	521	84	71	676	122	484	24	47	677	128	356	0	107	591	1981
% App. Total	0	0	0	100		0	77.1	12.4	10.5		18	71.5	3.5	6.9		21.7	60.2	0	18.1		
PHF	.000	.000	.000	.661	.661	.000	.905	.913	.934	.918	.763	.931	.600	.618	.886	.762	.937	.000	.922	.947	.931

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5671
Counted:JM, LE
Weather:Clear

File Name : QueSou MIDDAY
Site Code : 00000013
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	South Street Southbound					Queen Street Westbound					South Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	10	10	0	70	15	3	88	30	108	34	4	176	33	87	0	1	121	395
11:15 AM	0	0	0	6	6	0	102	19	6	127	42	108	31	5	186	27	122	0	9	158	477
11:30 AM	0	0	0	6	6	0	69	19	12	100	37	111	22	7	177	26	89	0	10	125	408
11:45 AM	0	0	0	5	5	0	80	21	5	106	29	133	25	3	190	25	115	0	6	146	447
Total	0	0	0	27	27	0	321	74	26	421	138	460	112	19	729	111	413	0	26	550	1727
12:00 PM	0	0	0	17	17	0	77	21	19	117	26	130	19	11	186	27	98	0	12	137	457
12:15 PM	0	0	0	9	9	0	85	15	6	106	32	143	16	5	196	22	94	0	8	124	435
12:30 PM	0	0	0	12	12	0	76	16	11	103	34	119	18	10	181	25	76	0	2	103	399
12:45 PM	0	0	0	12	12	0	92	28	15	135	39	115	29	8	191	19	88	0	7	114	452
Total	0	0	0	50	50	0	330	80	51	461	131	507	82	34	754	93	356	0	29	478	1743
Grand Total	0	0	0	77	77	0	651	154	77	882	269	967	194	53	1483	204	769	0	55	1028	3470
Apprch %	0	0	0	100		0	73.8	17.5	8.7		18.1	65.2	13.1	3.6		19.8	74.8	0	5.4		
Total %	0	0	0	2.2	2.2	0	18.8	4.4	2.2	25.4	7.8	27.9	5.6	1.5	42.7	5.9	22.2	0	1.6	29.6	

	South Street Southbound					Queen Street Westbound					South Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	0	0	0	6	6	0	**102**	19	6	**127**	**42**	108	**31**	5	186	**27**	**122**	0	9	**158**	**477**
11:30 AM	0	0	0	6	6	0	69	19	12	100	37	111	22	7	177	26	89	0	10	125	408
11:45 AM	0	0	0	5	5	0	80	**21**	5	106	29	**133**	25	3	**190**	25	115	0	6	146	447
12:00 PM	0	0	0	**17**	**17**	0	77	21	**19**	117	26	130	19	**11**	186	27	98	0	**12**	137	457
Total Volume	0	0	0	34	34	0	328	80	42	450	134	482	97	26	739	105	424	0	37	566	1789
% App. Total	0	0	0	100		0	72.9	17.8	9.3		18.1	65.2	13.1	3.5		18.6	74.9	0	6.5		
PHF	.000	.000	.000	.500	.500	.000	.804	.952	.553	.886	.798	.906	.782	.591	.972	.972	.869	.000	.771	.896	.938

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

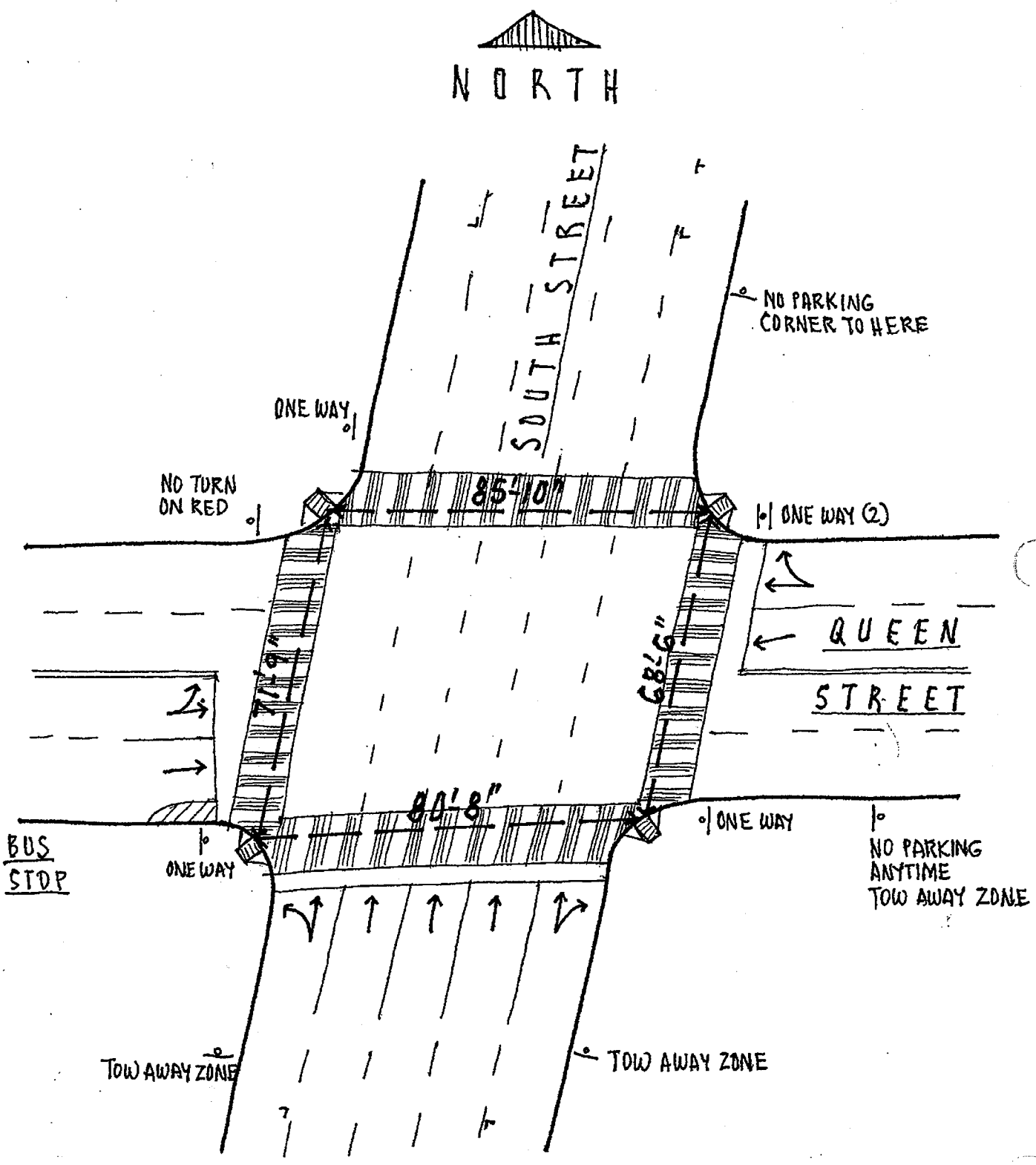
Counter:D4-5677, D4-5671
Counted:JM, LE
Weather:Clear

File Name : QueSou PM
Site Code : 00000013
Start Date : 5/20/2008
Page No : 1

Groups Printed- Unshifted

	South Street Southbound					Queen Street Westbound					South Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	11	11	0	114	19	13	146	48	223	17	10	298	31	94	0	11	136	591
04:15 PM	0	0	0	19	19	0	99	20	19	138	38	220	10	25	293	40	118	0	22	180	630
04:30 PM	0	0	0	18	18	0	111	36	13	160	46	268	21	8	343	53	125	0	28	206	727
04:45 PM	0	0	0	13	13	0	88	28	10	126	41	226	17	16	300	45	127	0	25	197	636
Total	0	0	0	61	61	0	412	103	55	570	173	937	65	59	1234	169	464	0	86	719	2584
05:00 PM	0	0	0	13	13	0	98	22	26	146	40	217	8	11	276	49	147	0	23	219	654
05:15 PM	0	0	0	49	49	0	88	40	37	165	23	194	19	33	269	54	156	0	42	252	735
05:30 PM	0	0	0	22	22	0	92	25	28	145	30	183	9	27	249	35	96	0	21	152	568
05:45 PM	0	17	3	4	24	0	53	17	11	81	15	159	12	12	198	25	85	0	17	127	430
Total	0	17	3	88	108	0	331	104	102	537	108	753	48	83	992	163	484	0	103	750	2387
Grand Total	0	17	3	149	169	0	743	207	157	1107	281	1690	113	142	2226	332	948	0	189	1469	4971
Apprch %	0	10.1	1.8	88.2		0	67.1	18.7	14.2		12.6	75.9	5.1	6.4		22.6	64.5	0	12.9		
Total %	0	0.3	0.1	3	3.4	0	14.9	4.2	3.2	22.3	5.7	34	2.3	2.9	44.8	6.7	19.1	0	3.8	29.6	

	South Street Southbound					Queen Street Westbound					South Street Northbound					Queen Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	0	0	18	18	0	**111**	36	13	160	**46**	**268**	**21**	8	**343**	53	125	0	28	206	727
04:45 PM	0	0	0	13	13	0	88	28	10	126	41	226	17	16	300	45	127	0	25	197	636
05:00 PM	0	0	0	13	13	0	98	22	26	146	40	217	8	11	276	49	147	0	23	219	654
05:15 PM	0	0	0	**49**	**49**	0	88	**40**	**37**	**165**	23	194	19	**33**	269	**54**	**156**	0	**42**	**252**	**735**
Total Volume	0	0	0	93	93	0	385	126	86	597	150	905	65	68	1188	201	555	0	118	874	2752
% App. Total	0	0	0	100		0	64.5	21.1	14.4		12.6	76.2	5.5	5.7		23	63.5	0	13.5		
PHF	.000	.000	.000	.474	.474	.000	.867	.788	.581	.905	.815	.844	.774	.515	.866	.931	.889	.000	.702	.867	.936


NORTH
SOUTH STREET
NO PARKING
CORNER TO HERE
ONE WAY
NO TURN
ON RED
85'10"
ONE WAY (2)
QUEEN
STREET
71'9"
68'6"
80'8"
BUS
STOP
ONE WAY
ONE WAY
NO PARKING
ANYTIME
TOW AWAY ZONE
TOW AWAY ZONE
TOW AWAY ZONE

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5673
Counted:RL, SW
Weather:Clear

File Name : MerBet AM
Site Code : 00000014
Start Date : 6/24/2008
Page No : 1

Groups Printed- Unshifted

	Bethel Street Southbound					Merchant Street Westbound					Bethel Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	12	12	0	0	0	2	2	0	51	46	6	103	1	34	0	3	38	155
06:45 AM	0	0	0	20	20	0	0	0	4	4	0	63	34	15	112	5	56	0	8	69	205
Total	0	0	0	32	32	0	0	0	6	6	0	114	80	21	215	6	90	0	11	107	360
07:00 AM	0	0	0	17	17	0	0	0	5	5	0	81	42	16	139	6	69	0	4	79	240
07:15 AM	0	0	0	22	22	0	0	0	5	5	0	66	54	29	149	3	90	0	15	108	284
07:30 AM	0	0	0	33	33	0	0	0	6	6	0	107	61	16	184	16	88	0	15	119	342
07:45 AM	0	0	0	28	28	0	0	0	4	4	0	96	65	16	177	4	106	0	7	117	326
Total	0	0	0	100	100	0	0	0	20	20	0	350	222	77	649	29	353	0	41	423	1192
08:00 AM	0	0	0	29	29	0	0	0	8	8	0	91	79	14	184	10	88	0	7	105	326
08:15 AM	0	0	0	34	34	0	0	0	7	7	0	99	67	14	180	7	84	0	10	101	322
Grand Total	0	0	0	195	195	0	0	0	41	41	0	654	448	126	1228	52	615	0	69	736	2200
Apprch %	0	0	0	100		0	0	0	100		0	53.3	36.5	10.3		7.1	83.6	0	9.4		
Total %	0	0	0	8.9	8.9	0	0	0	1.9	1.9	0	29.7	20.4	5.7	55.8	2.4	28	0	3.1	33.5	

	Bethel Street Southbound					Merchant Street Westbound					Bethel Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	0	0	33	33	0	0	0	6	6	0	**107**	61	**16**	**184**	**16**	88	0	**15**	**119**	**342**
07:45 AM	0	0	0	28	28	0	0	0	4	4	0	96	65	16	177	4	**106**	0	7	117	326
08:00 AM	0	0	0	29	29	0	0	0	**8**	**8**	0	91	**79**	14	184	10	88	0	7	105	326
08:15 AM	0	0	0	**34**	**34**	0	0	0	7	7	0	99	67	14	180	7	84	0	10	101	322
Total Volume	0	0	0	124	124	0	0	0	25	25	0	393	272	60	725	37	366	0	39	442	1316
% App. Total	0	0	0	100		0	0	0	100		0	54.2	37.5	8.3		8.4	82.8	0	8.8		
PHF	.000	.000	.000	.912	.912	.000	.000	.000	.781	.781	.000	.918	.861	.938	.985	.578	.863	.000	.650	.929	.962

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-5672
Counted:SW, RL
Weather:Clear

File Name : MerBet MIDDAY
Site Code : 00000014
Start Date : 6/24/2008
Page No : 1

Groups Printed- Unshifted

	Bethel Street Southbound					Merchant Street Westbound					Bethel Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	34	34	0	0	0	7	7	0	64	24	12	100	12	22	0	16	50	191
11:15 AM	0	0	0	29	29	0	0	0	9	9	0	51	34	17	102	10	35	0	9	54	194
11:30 AM	0	0	0	56	56	0	0	0	12	12	0	72	62	13	147	14	24	0	9	47	262
11:45 AM	0	0	0	35	35	0	0	0	10	10	0	69	50	23	142	7	16	0	11	34	221
Total	0	0	0	154	154	0	0	0	38	38	0	256	170	65	491	43	97	0	45	185	868
12:00 PM	0	0	0	56	56	0	0	0	14	14	0	64	29	22	115	3	14	0	17	34	219
12:15 PM	0	0	0	36	36	0	0	0	15	15	0	67	27	31	125	8	12	0	10	30	206
12:30 PM	0	0	0	32	32	0	0	0	18	18	0	64	36	29	129	1	15	0	12	28	207
12:45 PM	0	0	0	32	32	0	0	0	12	12	0	69	40	32	141	9	14	0	9	32	217
Total	0	0	0	156	156	0	0	0	59	59	0	264	132	114	510	21	55	0	48	124	849
Grand Total	0	0	0	310	310	0	0	0	97	97	0	520	302	179	1001	64	152	0	93	309	1717
Apprch %	0	0	0	100		0	0	0	100		0	51.9	30.2	17.9		20.7	49.2	0	30.1		
Total %	0	0	0	18.1	18.1	0	0	0	5.6	5.6	0	30.3	17.6	10.4	58.3	3.7	8.9	0	5.4	18	

	Bethel Street Southbound					Merchant Street Westbound					Bethel Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	0	0	0	**56**	**56**	0	0	0	12	12	0	**72**	**62**	13	**147**	**14**	**24**	0	9	**47**	**262**
11:45 AM	0	0	0	35	35	0	0	0	10	10	0	69	50	23	142	7	16	0	11	34	221
12:00 PM	0	0	0	56	56	0	0	0	14	14	0	64	29	22	115	3	14	0	**17**	34	219
12:15 PM	0	0	0	36	36	0	0	0	**15**	**15**	0	67	27	**31**	125	8	12	0	10	30	206
Total Volume	0	0	0	183	183	0	0	0	51	51	0	272	168	89	529	32	66	0	47	145	908
% App. Total	0	0	0	100		0	0	0	100		0	51.4	31.8	16.8		22.1	45.5	0	32.4		
PHF	.000	.000	.000	.817	.817	.000	.000	.000	.850	.850	.000	.944	.677	.718	.900	.571	.688	.000	.691	.771	.866

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

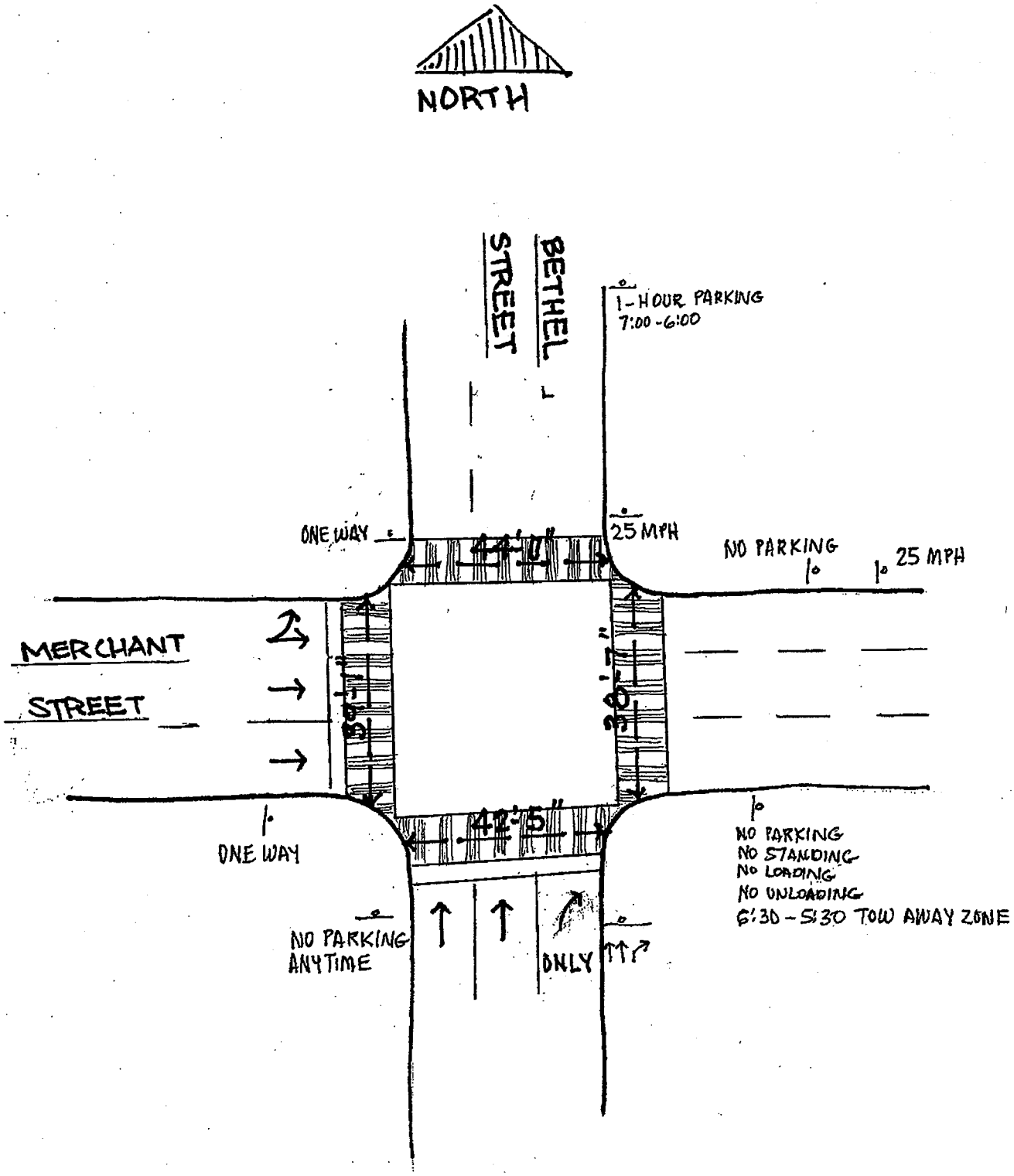
Counter:D4-5674, D4-5675
Counted:KK, RL
Weather:Clear

File Name : MerBet PM
Site Code : 00000014
Start Date : 5/21/2008
Page No : 1

Groups Printed- Unshifted

	Bethel Street Southbound					Merchant Street Westbound					Bethel Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	31	31	0	0	0	12	12	0	140	69	23	232	10	36	0	11	57	332
04:15 PM	0	0	0	24	24	0	0	0	18	18	0	128	89	22	239	7	43	0	11	61	342
04:30 PM	0	0	0	33	33	0	0	0	29	29	0	165	83	30	278	5	46	0	6	57	397
04:45 PM	0	0	0	40	40	0	0	0	8	8	0	148	92	12	252	13	63	0	4	80	380
Total	0	0	0	128	128	0	0	0	67	67	0	581	333	87	1001	35	188	0	32	255	1451
05:00 PM	0	0	0	31	31	0	0	0	10	10	0	141	77	19	237	9	53	0	10	72	350
05:15 PM	0	0	0	35	35	0	0	0	11	11	0	129	69	14	212	8	51	0	9	68	326
05:30 PM	0	0	0	30	30	0	0	0	11	11	0	111	60	19	190	14	22	0	9	45	276
05:45 PM	0	0	0	10	10	0	0	0	5	5	0	88	44	7	139	6	26	0	1	33	187
Total	0	0	0	106	106	0	0	0	37	37	0	469	250	59	778	37	152	0	29	218	1139
Grand Total	0	0	0	234	234	0	0	0	104	104	0	1050	583	146	1779	72	340	0	61	473	2590
Apprch %	0	0	0	100		0	0	0	100		0	59	32.8	8.2		15.2	71.9	0	12.9		
Total %	0	0	0	9	9	0	0	0	4	4	0	40.5	22.5	5.6	68.7	2.8	13.1	0	2.4	18.3	

	Bethel Street Southbound					Merchant Street Westbound					Bethel Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	0	0	24	24	0	0	0	18	18	0	128	89	22	239	7	43	0	11	61	342
04:30 PM	0	0	0	33	33	0	0	0	29	29	0	165	83	30	278	5	46	0	6	57	397
04:45 PM	0	0	0	40	40	0	0	0	8	8	0	148	92	12	252	13	63	0	4	80	380
05:00 PM	0	0	0	31	31	0	0	0	10	10	0	141	77	19	237	9	53	0	10	72	350
Total Volume	0	0	0	128	128	0	0	0	65	65	0	582	341	83	1006	34	205	0	31	270	1469
% App. Total	0	0	0	100		0	0	0	100		0	57.9	33.9	8.3		12.6	75.9	0	11.5		
PHF	.000	.000	.000	.800	.800	.000	.000	.000	.560	.560	.000	.882	.927	.692	.905	.654	.813	.000	.705	.844	.925


NORTH
BETHEL STREET
1-HOUR PARKING
7:00-6:00
ONE WAY
44'0"
25 MPH
NO PARKING
25 MPH
MERCHANT STREET
30'7"
42'5"
ONE WAY
NO PARKING
NO STANDING
NO LOADING
NO UNLOADING
6:30-5:30 TOW AWAY ZONE
NO PARKING
ANYTIME
ONLY

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-3890
Counted:DY, RT
Weather:Clear

File Name : MerBis AM
Site Code : 00000015
Start Date : 6/24/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					Merchant Street Westbound					Bishop Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	34	205	0	29	268	0	0	0	43	43	0	0	0	29	29	0	36	30	37	103	443
06:45 AM	58	232	0	46	336	0	0	0	53	53	0	0	0	41	41	0	42	41	56	139	569
Total	92	437	0	75	604	0	0	0	96	96	0	0	0	70	70	0	78	71	93	242	1012
07:00 AM	52	239	0	36	327	0	0	0	53	53	0	0	0	28	28	0	57	38	56	151	559
07:15 AM	72	291	0	55	418	0	0	0	56	56	0	0	0	30	30	0	71	53	52	176	680
07:30 AM	64	293	0	64	421	0	0	0	71	71	0	0	0	31	31	0	74	51	54	179	702
07:45 AM	73	309	0	56	438	0	0	0	73	73	0	0	0	42	42	0	78	59	72	209	762
Total	261	1132	0	211	1604	0	0	0	253	253	0	0	0	131	131	0	280	201	234	715	2703
08:00 AM	80	317	0	51	448	0	0	0	51	51	0	0	0	46	46	0	65	53	62	180	725
08:15 AM	63	263	0	44	370	0	0	0	69	69	0	0	0	38	38	0	64	55	60	179	656
Grand Total	496	2149	0	381	3026	0	0	0	469	469	0	0	0	285	285	0	487	380	449	1316	5096
Apprch %	16.4	71	0	12.6		0	0	0	100		0	0	0	100		0	37	28.9	34.1		
Total %	9.7	42.2	0	7.5	59.4	0	0	0	9.2	9.2	0	0	0	5.6	5.6	0	9.6	7.5	8.8	25.8	

	Bishop Street Southbound					Merchant Street Westbound					Bishop Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	72	291	0	55	418	0	0	0	56	56	0	0	0	30	30	0	71	53	52	176	680
07:30 AM	64	293	0	**64**	421	0	0	0	71	71	0	0	0	31	31	0	74	51	54	179	702
07:45 AM	73	309	0	56	438	0	0	0	**73**	**73**	0	0	0	42	42	0	**78**	**59**	**72**	**209**	**762**
08:00 AM	**80**	**317**	0	51	**448**	0	0	0	51	51	0	0	0	**46**	**46**	0	65	53	62	180	725
Total Volume	289	1210	0	226	1725	0	0	0	251	251	0	0	0	149	149	0	288	216	240	744	2869
% App. Total	16.8	70.1	0	13.1		0	0	0	100		0	0	0	100		0	38.7	29	32.3		
PHF	.903	.954	.000	.883	.963	.000	.000	.000	.860	.860	.000	.000	.000	.810	.810	.000	.923	.915	.833	.890	.941

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:
Counted:
Weather:

File Name : MerBis MIDDAY
Site Code : 00000015
Start Date : 6/24/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					Merchant Street Westbound					Bishop Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	27	189	0	75	291	0	0	0	98	98	0	0	0	57	57	0	18	21	68	107	553
11:15 AM	29	179	0	65	273	0	0	0	152	152	0	0	0	65	65	0	28	37	66	131	621
11:30 AM	24	177	0	89	290	0	0	0	167	167	0	0	0	87	87	0	46	30	94	170	714
11:45 AM	26	173	0	77	276	0	0	0	187	187	0	0	0	121	121	0	42	25	124	191	775
Total	106	718	0	306	1130	0	0	0	604	604	0	0	0	330	330	0	134	113	352	599	2663
12:00 PM	23	154	0	124	301	0	0	0	235	235	0	0	0	106	106	0	24	22	140	186	828
12:15 PM	22	156	0	90	268	0	0	0	185	185	0	0	0	128	128	0	31	18	149	198	779
12:30 PM	19	174	0	98	291	0	0	0	175	175	0	0	0	144	144	0	30	23	147	200	810
12:45 PM	23	155	0	97	275	0	0	0	158	158	0	0	0	150	150	0	38	22	160	220	803
Total	87	639	0	409	1135	0	0	0	753	753	0	0	0	528	528	0	123	85	596	804	3220
Grand Total	193	1357	0	715	2265	0	0	0	1357	1357	0	0	0	858	858	0	257	198	948	1403	5883
Apprch %	8.5	59.9	0	31.6		0	0	0	100		0	0	0	100		0	18.3	14.1	67.6		
Total %	3.3	23.1	0	12.2	38.5	0	0	0	23.1	23.1	0	0	0	14.6	14.6	0	4.4	3.4	16.1	23.8	

	Bishop Street Southbound					Merchant Street Westbound					Bishop Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	**23**	154	0	**124**	**301**	0	0	0	**235**	**235**	0	0	0	106	106	0	24	22	140	186	**828**
12:15 PM	22	156	0	90	268	0	0	0	185	185	0	0	0	128	128	0	31	18	149	198	779
12:30 PM	19	**174**	0	98	291	0	0	0	175	175	0	0	0	144	144	0	30	**23**	147	200	810
12:45 PM	23	155	0	97	275	0	0	0	158	158	0	0	0	**150**	**150**	0	**38**	22	**160**	**220**	803
Total Volume	87	639	0	409	1135	0	0	0	753	753	0	0	0	528	528	0	123	85	596	804	3220
% App. Total	7.7	56.3	0	36		0	0	0	100		0	0	0	100		0	15.3	10.6	74.1		
PHF	.946	.918	.000	.825	.943	.000	.000	.000	.801	.801	.000	.000	.000	.880	.880	.000	.809	.924	.931	.914	.972

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

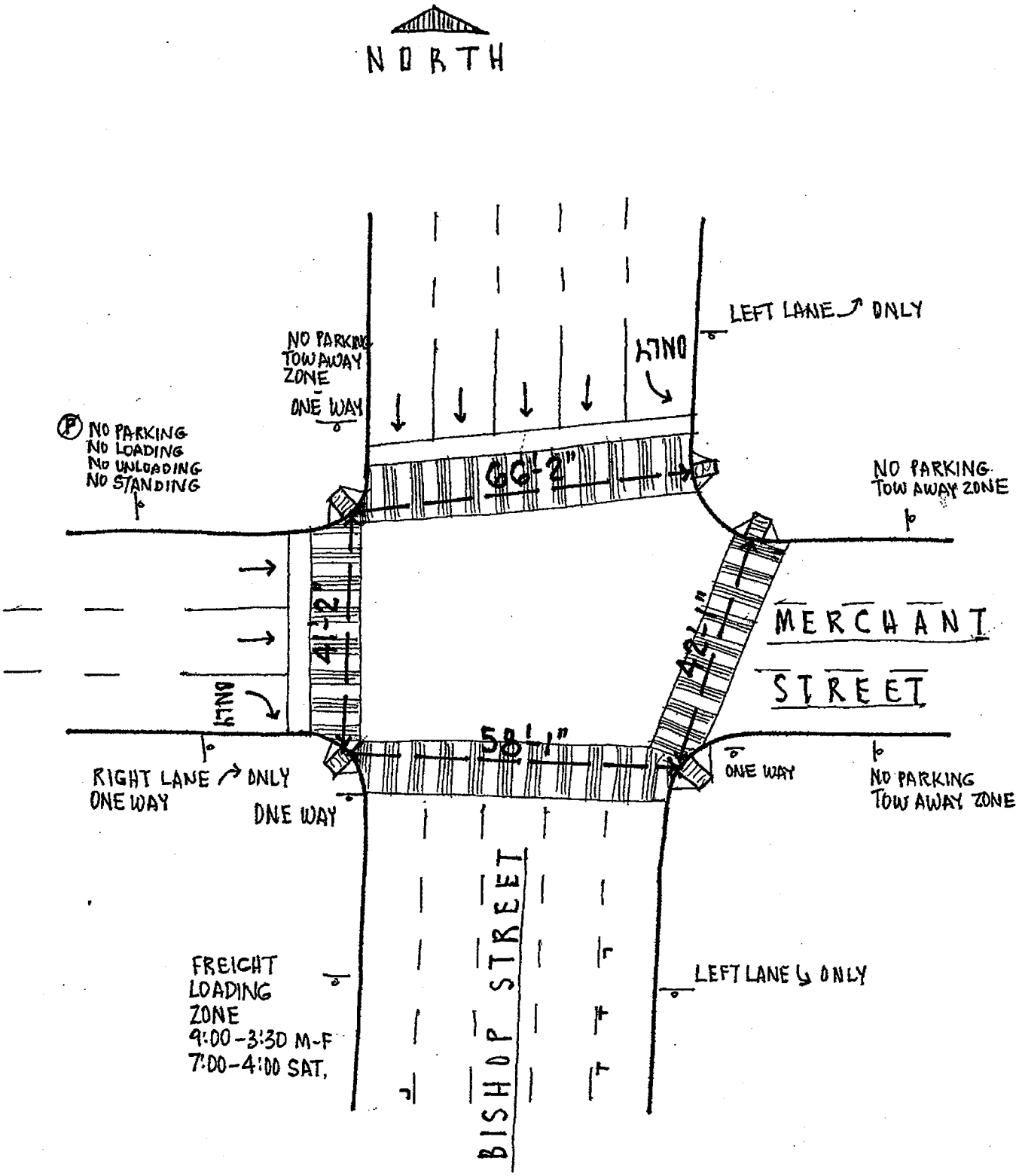
Counter:D4-3888, D4-3890
Counted:RT, DY
Weather:Clear

File Name : MerBis PM
Site Code : 00000015
Start Date : 6/24/2008
Page No : 1

Groups Printed- Unshifted

	Southbound					Westbound					Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	21	168	0	24	213	0	0	0	53	53	0	0	0	23	23	0	51	46	74	171	460
04:15 PM	38	198	0	11	247	0	0	0	52	52	0	0	0	27	27	0	65	43	49	157	483
04:30 PM	34	204	0	28	266	0	0	0	61	61	0	0	0	35	35	0	85	53	89	227	589
04:45 PM	37	197	0	21	255	0	0	0	69	69	0	0	0	26	26	0	53	40	46	139	489
Total	130	767	0	84	981	0	0	0	235	235	0	0	0	111	111	0	254	182	258	694	2021
05:00 PM	28	215	0	38	281	0	0	0	66	66	0	0	0	42	42	0	83	50	55	188	577
05:15 PM	27	189	0	33	249	0	0	0	61	61	0	0	0	26	26	0	72	60	55	187	523
05:30 PM	35	212	0	21	268	0	0	0	55	55	0	0	0	19	19	0	58	44	60	162	504
05:45 PM	31	180	0	17	228	0	0	0	41	41	0	0	0	15	15	0	53	31	38	122	406
Total	121	796	0	109	1026	0	0	0	223	223	0	0	0	102	102	0	266	185	208	659	2010
Grand Total	251	1563	0	193	2007	0	0	0	458	458	0	0	0	213	213	0	520	367	466	1353	4031
Apprch %	12.5	77.9	0	9.6		0	0	0	100		0	0	0	100		0	38.4	27.1	34.4		
Total %	6.2	38.8	0	4.8	49.8	0	0	0	11.4	11.4	0	0	0	5.3	5.3	0	12.9	9.1	11.6	33.6	

	Southbound					Westbound					Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	34	204	0	28	266	0	0	0	61	61	0	0	0	35	35	0	**85**	53	**89**	**227**	**589**
04:45 PM	**37**	197	0	21	255	0	0	0	**69**	**69**	0	0	0	26	26	0	53	40	46	139	489
05:00 PM	28	**215**	0	**38**	**281**	0	0	0	66	66	0	0	0	**42**	**42**	0	83	50	55	188	577
05:15 PM	27	189	0	33	249	0	0	0	61	61	0	0	0	26	26	0	72	**60**	55	187	523
Total Volume	126	805	0	120	1051	0	0	0	257	257	0	0	0	129	129	0	293	203	245	741	2178
% App. Total	12	76.6	0	11.4		0	0	0	100		0	0	0	100		0	39.5	27.4	33.1		
PHF	.851	.936	.000	.789	.935	.000	.000	.000	.931	.931	.000	.000	.000	.768	.768	.000	.862	.846	.688	.816	.924


NORTH
LEFT LANE ↗ ONLY
NO PARKING
TOW AWAY
ZONE
ONE WAY
ONLY
NO PARKING
NO LOADING
NO UNLOADING
NO STANDING
60'-2"
NO PARKING
TOW AWAY ZONE
41'-2"
42'-1"
MERCHANT
STREET
ONLY
58'-1"
RIGHT LANE ↗ ONLY
ONE WAY
ONE WAY
ONE WAY
NO PARKING
TOW AWAY ZONE
BISHOP STREET
FREIGHT
LOADING
ZONE
9:00-3:30 M-F
7:00-4:00 SAT.
LEFT LANE ↳ ONLY

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-5675
Counted:JY, JM
Weather:Clear

File Name : MerAla AM
Site Code : 00000016
Start Date : 6/24/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					Merchant Street Westbound					Alakea Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	4	4	0	0	0	33	33	0	121	19	17	157	20	23	0	2	45	239
06:45 AM	0	0	0	9	9	0	0	0	41	41	0	167	19	12	198	22	42	0	17	81	329
Total	0	0	0	13	13	0	0	0	74	74	0	288	38	29	355	42	65	0	19	126	568
07:00 AM	0	0	0	8	8	0	0	0	42	42	0	160	30	20	210	36	49	0	19	104	364
07:15 AM	0	0	0	12	12	0	0	0	48	48	0	188	24	27	239	25	61	0	15	101	400
07:30 AM	0	0	0	14	14	0	0	0	39	39	0	199	18	30	247	28	54	0	11	93	393
07:45 AM	0	0	0	16	16	0	0	0	51	51	0	236	19	31	286	43	59	0	27	129	482
Total	0	0	0	50	50	0	0	0	180	180	0	783	91	108	982	132	223	0	72	427	1639
08:00 AM	0	0	0	10	10	0	0	0	28	28	0	191	28	18	237	45	54	0	28	127	402
08:15 AM	0	0	0	2	2	0	0	0	32	32	0	184	28	17	229	31	53	0	22	106	369
Grand Total	0	0	0	75	75	0	0	0	314	314	0	1446	185	172	1803	250	395	0	141	786	2978
Apprch %	0	0	0	100		0	0	0	100		0	80.2	10.3	9.5		31.8	50.3	0	17.9		
Total %	0	0	0	2.5	2.5	0	0	0	10.5	10.5	0	48.6	6.2	5.8	60.5	8.4	13.3	0	4.7	26.4	

	Alakea Street Southbound					Merchant Street Westbound					Alakea Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	0	12	12	0	0	0	48	48	0	188	24	27	239	25	**61**	0	15	101	400
07:30 AM	0	0	0	14	14	0	0	0	39	39	0	199	18	30	247	28	54	0	11	93	393
07:45 AM	0	0	0	**16**	**16**	0	0	0	**51**	**51**	0	**236**	19	**31**	**286**	43	59	0	27	**129**	**482**
08:00 AM	0	0	0	10	10	0	0	0	28	28	0	191	**28**	18	237	**45**	54	0	**28**	127	402
Total Volume	0	0	0	52	52	0	0	0	166	166	0	814	89	106	1009	141	228	0	81	450	1677
% App. Total	0	0	0	100		0	0	0	100		0	80.7	8.8	10.5		31.3	50.7	0	18		
PHF	.000	.000	.000	.813	.813	.000	.000	.000	.814	.814	.000	.862	.795	.855	.882	.783	.934	.000	.723	.872	.870

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-5675
Counted:JY, JM
Weather:Clear

File Name : MerAla MIDDAY
Site Code : 00000016
Start Date : 6/24/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					Merchant Street Westbound					Alakea Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	19	19	0	0	0	26	26	0	175	36	80	291	15	15	0	21	51	387
11:15 AM	0	0	0	47	47	0	0	0	95	95	0	159	23	66	248	33	32	0	30	95	485
11:30 AM	0	0	0	25	25	0	0	0	97	97	0	184	25	101	310	33	37	0	34	104	536
11:45 AM	0	0	0	24	24	0	0	0	108	108	0	191	27	108	326	22	38	0	58	118	576
Total	0	0	0	115	115	0	0	0	326	326	0	709	111	355	1175	103	122	0	143	368	1984
12:00 PM	0	0	0	33	33	0	0	0	108	108	0	153	18	140	311	31	24	0	45	100	552
12:15 PM	0	0	0	30	30	0	0	0	114	114	0	148	12	105	265	36	25	0	24	85	494
12:30 PM	0	0	0	25	25	0	0	0	77	77	0	133	27	112	272	15	27	0	38	80	454
12:45 PM	0	0	0	17	17	0	0	0	157	157	0	187	23	113	323	17	36	0	57	110	607
Total	0	0	0	105	105	0	0	0	456	456	0	621	80	470	1171	99	112	0	164	375	2107
Grand Total	0	0	0	220	220	0	0	0	782	782	0	1330	191	825	2346	202	234	0	307	743	4091
Apprch %	0	0	0	100		0	0	0	100		0	56.7	8.1	35.2		27.2	31.5	0	41.3		
Total %	0	0	0	5.4	5.4	0	0	0	19.1	19.1	0	32.5	4.7	20.2	57.3	4.9	5.7	0	7.5	18.2	

	Alakea Street Southbound					Merchant Street Westbound					Alakea Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	0	0	0	25	25	0	0	0	97	97	0	184	25	101	310	33	37	0	34	104	536
11:45 AM	0	0	0	24	24	0	0	0	108	108	0	**191**	**27**	108	**326**	22	**38**	0	**58**	**118**	**576**
12:00 PM	0	0	0	**33**	**33**	0	0	0	108	108	0	153	18	**140**	311	31	24	0	45	100	552
12:15 PM	0	0	0	30	30	0	0	0	**114**	**114**	0	148	12	105	265	**36**	25	0	24	85	494
Total Volume	0	0	0	112	112	0	0	0	427	427	0	676	82	454	1212	122	124	0	161	407	2158
% App. Total	0	0	0	100		0	0	0	100		0	55.8	6.8	37.5		30	30.5	0	39.6		
PHF	.000	.000	.000	.848	.848	.000	.000	.000	.936	.936	.000	.885	.759	.811	.929	.847	.816	.000	.694	.862	.937

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

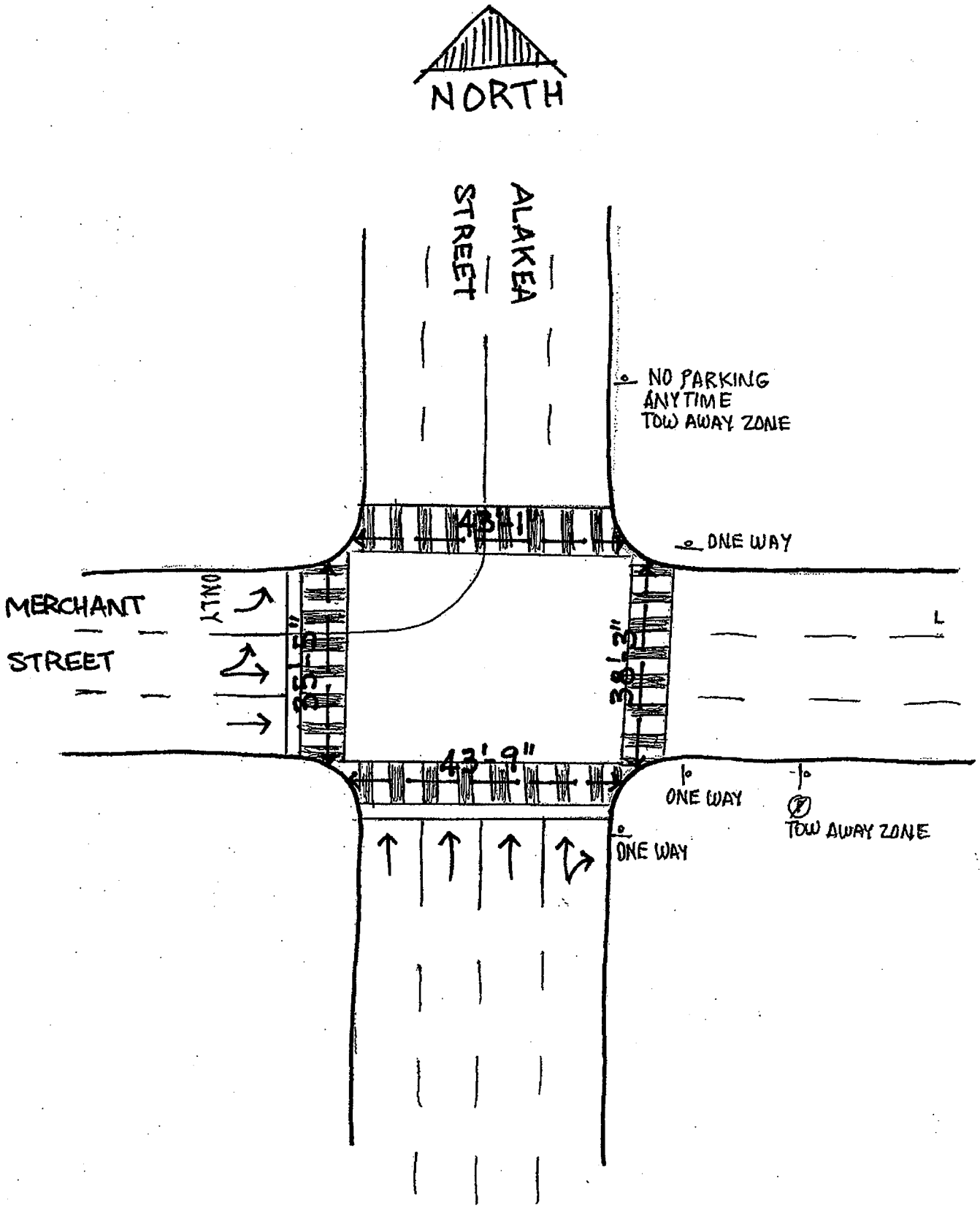
Counter:D4-5671, D4-5675
Counted:JY, JM
Weather:Clear

File Name : MerAla PM
Site Code : 00000016
Start Date : 6/24/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					Merchant Street Westbound					Alakea Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	3	3	0	0	0	27	27	0	285	19	24	328	59	33	0	25	117	475
04:15 PM	0	0	0	6	6	0	0	0	45	45	0	300	27	17	344	54	51	0	23	128	523
04:30 PM	0	0	0	7	7	0	0	0	38	38	0	339	10	31	380	79	57	0	24	160	585
04:45 PM	0	0	0	0	0	0	0	0	21	21	0	294	10	30	334	63	46	0	22	131	486
Total	0	0	0	16	16	0	0	0	131	131	0	1218	66	102	1386	255	187	0	94	536	2069
05:00 PM	0	0	0	9	9	0	0	0	15	15	0	290	13	33	336	77	64	0	34	175	535
05:15 PM	0	0	0	11	11	0	0	0	25	25	0	287	18	13	318	80	51	0	11	142	496
05:30 PM	0	0	0	1	1	0	0	0	16	16	0	227	30	16	273	68	42	0	10	120	410
05:45 PM	0	0	0	5	5	0	0	0	16	16	0	258	20	7	285	69	45	0	15	129	435
Total	0	0	0	26	26	0	0	0	72	72	0	1062	81	69	1212	294	202	0	70	566	1876
Grand Total	0	0	0	42	42	0	0	0	203	203	0	2280	147	171	2598	549	389	0	164	1102	3945
Apprch %	0	0	0	100		0	0	0	100		0	87.8	5.7	6.6		49.8	35.3	0	14.9		
Total %	0	0	0	1.1	1.1	0	0	0	5.1	5.1	0	57.8	3.7	4.3	65.9	13.9	9.9	0	4.2	27.9	

	Alakea Street Southbound					Merchant Street Westbound					Alakea Street Northbound					Merchant Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	0	0	6	6	0	0	0	**45**	**45**	0	300	**27**	17	344	54	51	0	23	128	523
04:30 PM	0	0	0	7	7	0	0	0	38	38	0	**339**	10	31	**380**	**79**	57	0	24	160	**585**
04:45 PM	0	0	0	0	0	0	0	0	21	21	0	294	10	30	334	63	46	0	22	131	486
05:00 PM	0	0	0	**9**	**9**	0	0	0	15	15	0	290	13	**33**	336	77	**64**	0	**34**	**175**	535
Total Volume	0	0	0	22	22	0	0	0	119	119	0	1223	60	111	1394	273	218	0	103	594	2129
% App. Total	0	0	0	100		0	0	0	100		0	87.7	4.3	8		46	36.7	0	17.3		
PHF	.000	.000	.000	.611	.611	.000	.000	.000	.661	.661	.000	.902	.556	.841	.917	.864	.852	.000	.757	.849	.910


NORTH
ALAKEA
STREET
NO PARKING
ANYTIME
TOW AWAY ZONE
43'-1"
ONE WAY
MERCHANT
STREET
LT ONLY
35'-5"
38'-2"
43'-9"
ONE WAY
TOW AWAY ZONE
ONE WAY

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5676
Counted:AN, DN
Weather:Clear

File Name : KinIwi AM
Site Code : 00000019
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	King Street Westbound					Iwilei Road Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	1	9	0	11	21	38	0	19	13	70	0	315	50	0	365	456
06:45 AM	0	0	5	0	12	17	60	0	21	6	87	0	381	72	0	453	557
Total	0	1	14	0	23	38	98	0	40	19	157	0	696	122	0	818	1013
07:00 AM	0	1	7	0	12	20	54	0	34	11	99	0	387	56	0	443	562
07:15 AM	0	1	6	0	23	30	60	0	31	13	104	0	433	57	0	490	624
07:30 AM	0	1	8	0	14	23	73	0	30	12	115	0	379	65	0	444	582
07:45 AM	0	1	8	0	17	26	88	0	29	12	129	0	355	77	0	432	587
Total	0	4	29	0	66	99	275	0	124	48	447	0	1554	255	0	1809	2355
08:00 AM	0	2	14	0	17	33	82	0	23	8	113	0	328	82	0	410	556
08:15 AM	0	0	9	0	15	24	68	0	27	7	102	0	298	72	0	370	496
Grand Total	0	7	66	0	121	194	523	0	214	82	819	0	2876	531	0	3407	4420
Apprch %		3.6	34	0	62.4		63.9	0	26.1	10		0	84.4	15.6	0		
Total %	0	0.2	1.5	0	2.7	4.4	11.8	0	4.8	1.9	18.5	0	65.1	12	0	77.1	

	Southbound	King Street Westbound					Iwilei Road Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	1	7	0	12	20	54	0	34	11	99	0	387	56	0	443	562
07:15 AM	0	1	6	0	23	30	60	0	31	13	104	0	433	57	0	490	624
07:30 AM	0	1	8	0	14	23	73	0	30	12	115	0	379	65	0	444	582
07:45 AM	0	1	8	0	17	26	88	0	29	12	129	0	355	77	0	432	587
Total Volume	0	4	29	0	66	99	275	0	124	48	447	0	1554	255	0	1809	2355
% App. Total		4	29.3	0	66.7		61.5	0	27.7	10.7		0	85.9	14.1	0		
PHF	.000	1.000	.906	.000	.717	.825	.781	.000	.912	.923	.866	.000	.897	.828	.000	.923	.944

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5676
Counted:TW, DN
Weather:Clear

File Name : Kinlwi MIDDAY
Site Code : 00000019
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	King Street Westbound					Iwilei Road Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	1	1	0	8	10	61	0	23	0	84	0	176	41	10	227	321
11:15 AM	0	1	7	0	10	18	107	0	41	0	148	0	205	48	9	262	428
11:30 AM	0	2	6	0	7	15	80	0	50	0	130	0	238	51	12	301	446
11:45 AM	0	1	7	0	19	27	99	0	40	0	139	0	228	59	18	305	471
Total	0	5	21	0	44	70	347	0	154	0	501	0	847	199	49	1095	1666
12:00 PM	0	0	6	0	29	35	82	0	51	0	133	0	234	41	11	286	454
12:15 PM	0	1	8	0	17	26	94	0	43	0	137	0	231	58	10	299	462
12:30 PM	0	2	5	0	18	25	85	0	35	0	120	0	232	60	7	299	444
12:45 PM	0	1	6	0	14	21	85	0	42	0	127	0	226	47	7	280	428
Total	0	4	25	0	78	107	346	0	171	0	517	0	923	206	35	1164	1788
Grand Total	0	9	46	0	122	177	693	0	325	0	1018	0	1770	405	84	2259	3454
Apprch %		5.1	26	0	68.9		68.1	0	31.9	0		0	78.4	17.9	3.7		
Total %	0	0.3	1.3	0	3.5	5.1	20.1	0	9.4	0	29.5	0	51.2	11.7	2.4	65.4	

	Southbound	King Street Westbound					Iwilei Road Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	0	2	6	0	7	15	80	0	50	0	130	0	238	51	12	301	446
11:45 AM	0	1	7	0	19	27	99	0	40	0	139	0	228	59	18	305	471
12:00 PM	0	0	6	0	29	35	82	0	51	0	133	0	234	41	11	286	454
12:15 PM	0	1	8	0	17	26	94	0	43	0	137	0	231	58	10	299	462
Total Volume	0	4	27	0	72	103	355	0	184	0	539	0	931	209	51	1191	1833
% App. Total		3.9	26.2	0	69.9		65.9	0	34.1	0		0	78.2	17.5	4.3		
PHF	.000	.500	.844	.000	.621	.736	.896	.000	.902	.000	.969	.000	.978	.886	.708	.976	.973

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

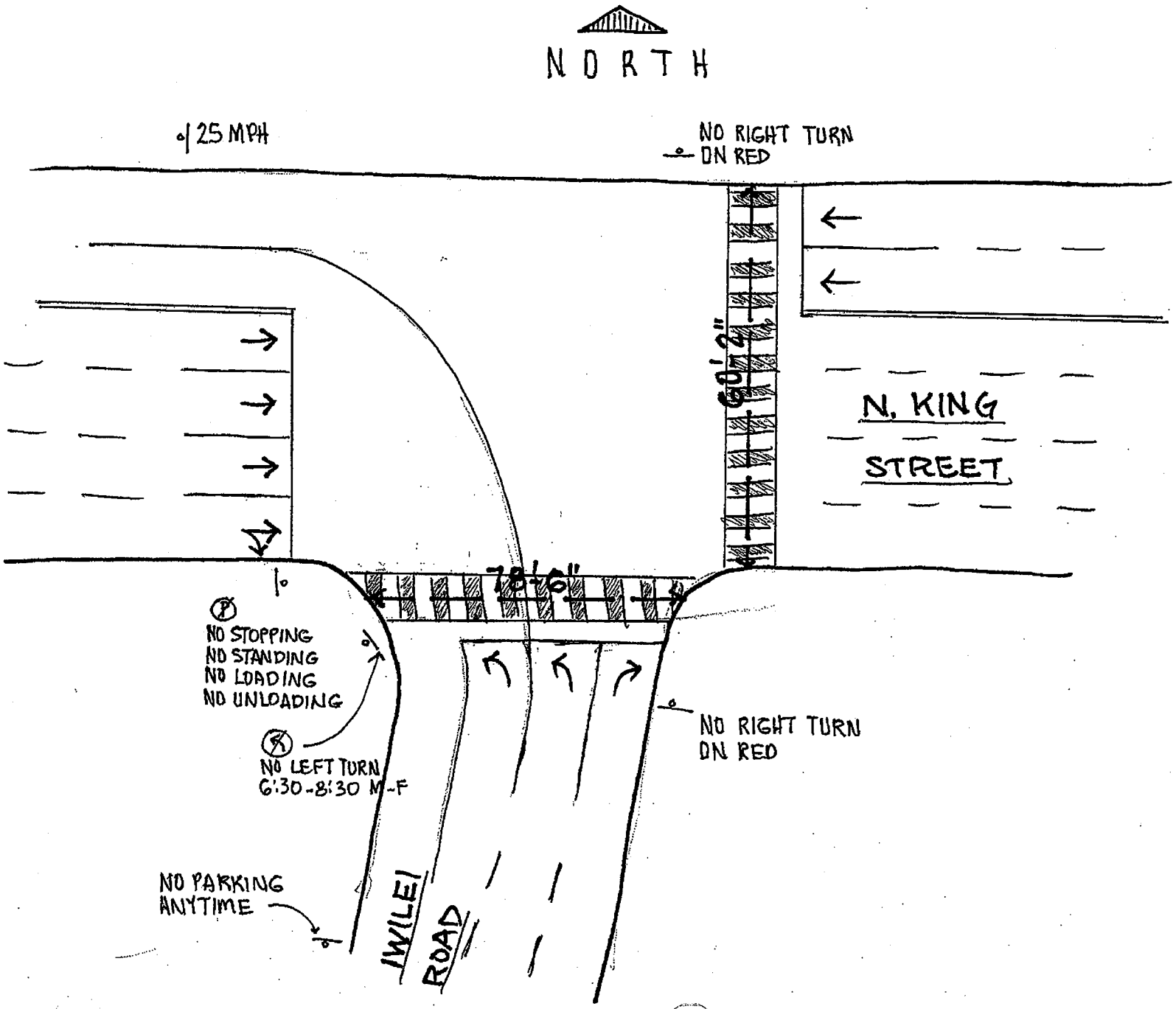
Counter:D4-5672, D4-5676
Counted:AN, DN
Weather:Clear

File Name : KinIwi PM
Site Code : 00000019
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	King Street Westbound					Iwilei Road Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	5	0	14	19	142	0	65	9	216	0	284	40	0	324	559
04:15 PM	0	2	5	0	19	26	157	0	63	14	234	0	322	35	0	357	617
04:30 PM	0	1	10	0	23	34	172	0	89	5	266	0	312	31	0	343	643
04:45 PM	0	1	2	0	9	12	162	0	74	12	248	0	298	39	0	337	597
Total	0	4	22	0	65	91	633	0	291	40	964	0	1216	145	0	1361	2416
05:00 PM	0	0	0	0	25	25	192	0	61	11	264	0	236	29	0	265	554
05:15 PM	0	0	5	0	21	26	183	0	64	14	261	0	259	26	0	285	572
05:30 PM	0	2	9	0	16	27	136	0	48	3	187	0	230	28	0	258	472
05:45 PM	0	0	7	0	25	32	136	0	51	8	195	0	205	32	0	237	464
Total	0	2	21	0	87	110	647	0	224	36	907	0	930	115	0	1045	2062
Grand Total	0	6	43	0	152	201	1280	0	515	76	1871	0	2146	260	0	2406	4478
Apprch %		3	21.4	0	75.6		68.4	0	27.5	4.1		0	89.2	10.8	0		
Total %	0	0.1	1	0	3.4	4.5	28.6	0	11.5	1.7	41.8	0	47.9	5.8	0	53.7	

	Southbound	King Street Westbound					Iwilei Road Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	0	5	0	14	19	142	0	65	9	216	0	284	**40**	0	324	559
04:15 PM	0	**2**	5	0	19	26	157	0	63	**14**	234	0	**322**	35	0	**357**	617
04:30 PM	0	**1**	**10**	0	**23**	**34**	**172**	0	**89**	5	**266**	0	312	31	0	343	**643**
04:45 PM	0	**1**	2	0	9	12	162	0	74	12	248	0	298	39	0	337	597
Total Volume	0	4	22	0	65	91	633	0	291	40	964	0	1216	145	0	1361	2416
% App. Total		4.4	24.2	0	71.4		65.7	0	30.2	4.1		0	89.3	10.7	0		
PHF	.000	.500	.550	.000	.707	.669	.920	.000	.817	.714	.906	.000	.944	.906	.000	.953	.939


NORTH
25 MPH
NO RIGHT TURN
ON RED
60'-2"
N. KING
STREET
78'-6"
NO STOPPING
NO STANDING
NO LOADING
NO UNLOADING
NO LEFT TURN
6:30-8:30 M-F
NO RIGHT TURN
ON RED
NO PARKING
ANYTIME
WILEI
ROAD

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5674, D4-5671
Counted:EK, DY
Weather:Clear

File Name : KinRiv AM
Site Code : 00000020
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	River Street Southbound					King Street Westbound					River Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	3	13	0	1	17	0	0	0	12	12	0	5	13	23	41	8	298	5	0	311	381
06:45 AM	6	28	0	5	39	0	0	0	11	11	0	7	11	17	35	8	369	10	0	387	472
Total	9	41	0	6	56	0	0	0	23	23	0	12	24	40	76	16	667	15	0	698	853
07:00 AM	16	32	0	1	49	0	0	0	16	16	0	15	13	25	53	10	376	6	0	392	510
07:15 AM	5	23	0	3	31	0	0	0	16	16	0	28	9	35	72	22	457	5	0	484	603
07:30 AM	13	21	0	1	35	0	0	0	27	27	0	22	19	31	72	10	380	4	0	394	528
07:45 AM	8	37	0	2	47	0	0	0	32	32	0	23	9	36	68	10	354	10	0	374	521
Total	42	113	0	7	162	0	0	0	91	91	0	88	50	127	265	52	1567	25	0	1644	2162
08:00 AM	9	21	0	4	34	0	0	0	30	30	0	26	23	25	74	12	332	9	0	353	491
08:15 AM	17	21	0	2	40	0	0	0	43	43	0	28	28	33	89	6	345	7	0	358	530
Grand Total	77	196	0	19	292	0	0	0	187	187	0	154	125	225	504	86	2911	56	0	3053	4036
Apprch %	26.4	67.1	0	6.5		0	0	0	100		0	30.6	24.8	44.6		2.8	95.3	1.8	0		
Total %	1.9	4.9	0	0.5	7.2	0	0	0	4.6	4.6	0	3.8	3.1	5.6	12.5	2.1	72.1	1.4	0	75.6	

	River Street Southbound					King Street Westbound					River Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	**16**	32	0	1	**49**	0	0	0	16	16	0	15	13	25	53	10	376	6	0	392	510
07:15 AM	5	23	0	**3**	31	0	0	0	**16**	16	0	**28**	9	35	**72**	**22**	**457**	5	0	**484**	**603**
07:30 AM	13	21	0	1	35	0	0	0	27	27	0	22	**19**	31	72	10	380	4	0	394	528
07:45 AM	8	**37**	0	2	47	0	0	0	**32**	**32**	0	23	9	**36**	68	10	354	**10**	0	374	521
Total Volume	42	113	0	7	162	0	0	0	91	91	0	88	50	127	265	52	1567	25	0	1644	2162
% App. Total	25.9	69.8	0	4.3		0	0	0	100		0	33.2	18.9	47.9		3.2	95.3	1.5	0		
PHF	.656	.764	.000	.583	.827	.000	.000	.000	.711	.711	.000	.786	.658	.882	.920	.591	.857	.625	.000	.849	.896

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671
Counted:DY
Weather:Clear

File Name : KinRiv MIDDAY
Site Code : 00000020
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	River Street Southbound					King Street Westbound					River Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	10	23	0	8	41	0	0	0	35	35	0	28	34	25	87	17	223	7	0	247	410
11:15 AM	16	27	0	0	43	0	0	0	30	30	0	18	26	16	60	17	221	3	0	241	374
11:30 AM	15	27	0	3	45	0	0	0	43	43	0	25	32	24	81	29	246	12	0	287	456
11:45 AM	20	19	0	4	43	0	0	0	36	36	0	43	38	29	110	11	249	9	0	269	458
Total	61	96	0	15	172	0	0	0	144	144	0	114	130	94	338	74	939	31	0	1044	1698
12:00 PM	17	13	0	1	31	0	0	0	33	33	0	35	33	21	89	14	252	9	0	275	428
12:15 PM	17	15	0	1	33	0	0	0	39	39	0	37	29	24	90	18	245	16	0	279	441
12:30 PM	13	18	0	1	32	0	0	0	51	51	0	27	38	26	91	9	250	9	0	268	442
12:45 PM	22	24	0	0	46	0	0	0	31	31	0	33	27	19	79	12	243	9	0	264	420
Total	69	70	0	3	142	0	0	0	154	154	0	132	127	90	349	53	990	43	0	1086	1731
Grand Total	130	166	0	18	314	0	0	0	298	298	0	246	257	184	687	127	1929	74	0	2130	3429
Apprch %	41.4	52.9	0	5.7		0	0	0	100		0	35.8	37.4	26.8		6	90.6	3.5	0		
Total %	3.8	4.8	0	0.5	9.2	0	0	0	8.7	8.7	0	7.2	7.5	5.4	20	3.7	56.3	2.2	0	62.1	

	River Street Southbound					King Street Westbound					River Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	15	27	0	3	45	0	0	0	43	43	0	25	32	24	81	29	246	12	0	287	456
11:45 AM	20	19	0	4	43	0	0	0	36	36	0	43	38	29	110	11	249	9	0	269	458
12:00 PM	17	13	0	1	31	0	0	0	33	33	0	35	33	21	89	14	252	9	0	275	428
12:15 PM	17	15	0	1	33	0	0	0	39	39	0	37	29	24	90	18	245	16	0	279	441
Total Volume	69	74	0	9	152	0	0	0	151	151	0	140	132	98	370	72	992	46	0	1110	1783
% App. Total	45.4	48.7	0	5.9		0	0	0	100		0	37.8	35.7	26.5		6.5	89.4	4.1	0		
PHF	.863	.685	.000	.563	.844	.000	.000	.000	.878	.878	.000	.814	.868	.845	.841	.621	.984	.719	.000	.967	.973

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

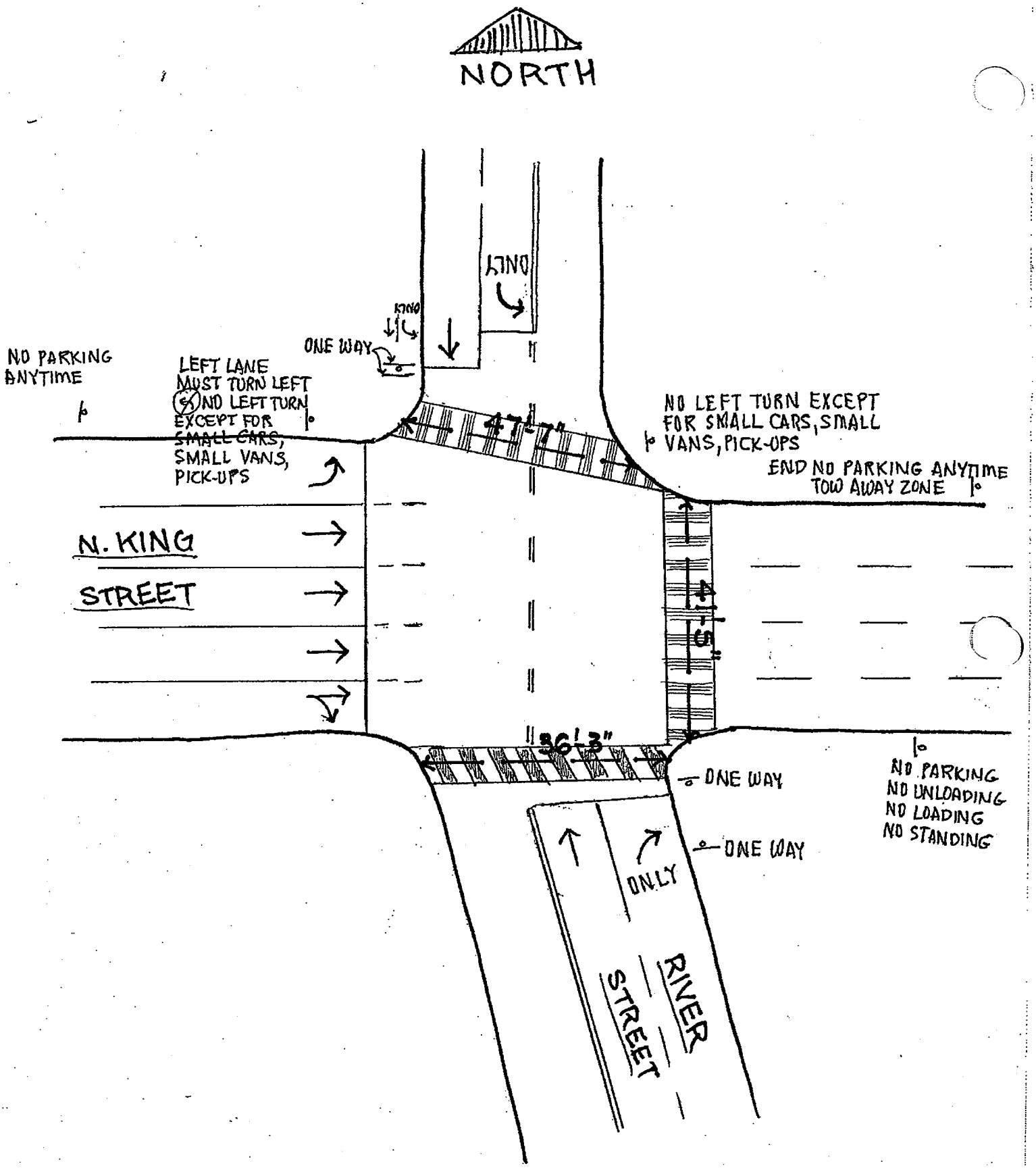
Counter:D4-5671
Counted:KK
Weather:Clear

File Name : KinRiv PM
Site Code : 00000020
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	River Street Southbound					King Street Westbound					River Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	12	18	0	5	35	0	0	0	23	23	0	33	23	18	74	16	322	3	4	345	477
04:15 PM	9	12	0	0	21	0	0	0	10	10	0	47	12	25	84	20	353	11	1	385	500
04:30 PM	8	20	0	1	29	0	0	0	30	30	0	49	10	14	73	29	360	6	0	395	527
04:45 PM	15	19	0	2	36	0	0	0	20	20	0	57	11	22	90	27	324	8	0	359	505
Total	44	69	0	8	121	0	0	0	83	83	0	186	56	79	321	92	1359	28	5	1484	2009
05:00 PM	7	9	0	2	18	0	0	0	16	16	0	44	20	21	85	22	260	7	0	289	408
05:15 PM	13	13	0	4	30	0	0	0	26	26	0	40	13	26	79	23	287	6	0	316	451
05:30 PM	7	11	0	2	20	0	0	0	29	29	0	25	8	23	56	16	257	10	0	283	388
05:45 PM	4	9	0	2	15	0	0	0	14	14	0	21	14	27	62	19	243	16	1	279	370
Total	31	42	0	10	83	0	0	0	85	85	0	130	55	97	282	80	1047	39	1	1167	1617
Grand Total	75	111	0	18	204	0	0	0	168	168	0	316	111	176	603	172	2406	67	6	2651	3626
Apprch %	36.8	54.4	0	8.8		0	0	0	100		0	52.4	18.4	29.2		6.5	90.8	2.5	0.2		
Total %	2.1	3.1	0	0.5	5.6	0	0	0	4.6	4.6	0	8.7	3.1	4.9	16.6	4.7	66.4	1.8	0.2	73.1	

	River Street Southbound					King Street Westbound					River Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	12	18	0	**5**	35	0	0	0	23	23	0	33	**23**	18	74	16	322	3	**4**	345	477
04:15 PM	9	12	0	0	21	0	0	0	10	10	0	47	12	**25**	84	20	353	11	1	385	500
04:30 PM	8	**20**	0	1	29	0	0	0	**30**	**30**	0	49	10	14	73	**29**	**360**	6	0	**395**	**527**
04:45 PM	**15**	19	0	2	**36**	0	0	0	20	20	0	**57**	11	22	**90**	27	324	8	0	359	505
Total Volume	44	69	0	8	121	0	0	0	83	83	0	186	56	79	321	92	1359	28	5	1484	2009
% App. Total	36.4	57	0	6.6		0	0	0	100		0	57.9	17.4	24.6		6.2	91.6	1.9	0.3		
PHF	.733	.863	.000	.400	.840	.000	.000	.000	.692	.692	.000	.816	.609	.790	.892	.793	.944	.636	.313	.939	.953


NORTH
ONLY
ONLY
ONE WAY
NO PARKING ANYTIME
LEFT LANE MUST TURN LEFT
NO LEFT TURN EXCEPT FOR ~~SMALL CARS~~, SMALL VANS, PICK-UPS
47'7"
NO LEFT TURN EXCEPT FOR SMALL CARS, SMALL VANS, PICK-UPS
END NO PARKING ANYTIME TOW AWAY ZONE
N. KING STREET
45'5"
36'3"
ONE WAY
ONE WAY
ONLY
NO PARKING
NO UNLOADING
NO LOADING
NO STANDING
RIVER STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891
Counted:JM
Weather:Clear

File Name : KinKek AM
Site Code : 00000021
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Southbound					King Street Westbound					Kekaulike Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	26	26	0	0	0	45	45	0	0	0	43	43	0	303	10	54	367	481
06:45 AM	0	0	0	26	26	0	0	0	29	29	0	0	0	41	41	0	383	7	47	437	533
Total	0	0	0	52	52	0	0	0	74	74	0	0	0	84	84	0	686	17	101	804	1014
07:00 AM	0	0	0	25	25	0	0	0	39	39	0	0	0	58	58	0	389	11	42	442	564
07:15 AM	0	0	0	26	26	0	0	0	33	33	0	0	0	39	39	0	438	9	72	519	617
07:30 AM	0	0	0	42	42	0	0	0	47	47	0	0	0	53	53	0	375	18	66	459	601
07:45 AM	0	0	0	41	41	0	0	0	51	51	0	0	0	78	78	0	362	10	45	417	587
Total	0	0	0	134	134	0	0	0	170	170	0	0	0	228	228	0	1564	48	225	1837	2369
08:00 AM	0	0	0	49	49	0	0	0	62	62	0	0	0	64	64	0	328	28	72	428	603
08:15 AM	0	0	0	40	40	0	0	0	85	85	0	0	0	82	82	0	330	15	99	444	651
Grand Total	0	0	0	275	275	0	0	0	391	391	0	0	0	458	458	0	2908	108	497	3513	4637
Apprch %	0	0	0	100		0	0	0	100		0	0	0	100		0	82.8	3.1	14.1		
Total %	0	0	0	5.9	5.9	0	0	0	8.4	8.4	0	0	0	9.9	9.9	0	62.7	2.3	10.7	75.8	

	Southbound					King Street Westbound					Kekaulike Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	0	0	42	42	0	0	0	47	47	0	0	0	53	53	0	**375**	18	66	**459**	601
07:45 AM	0	0	0	41	41	0	0	0	51	51	0	0	0	78	78	0	362	10	45	417	587
08:00 AM	0	0	0	**49**	**49**	0	0	0	62	62	0	0	0	64	64	0	328	**28**	72	428	603
08:15 AM	0	0	0	40	40	0	0	0	**85**	**85**	0	0	0	**82**	**82**	0	330	15	**99**	444	**651**
Total Volume	0	0	0	172	172	0	0	0	245	245	0	0	0	277	277	0	1395	71	282	1748	2442
% App. Total	0	0	0	100		0	0	0	100		0	0	0	100		0	79.8	4.1	16.1		
PHF	.000	.000	.000	.878	.878	.000	.000	.000	.721	.721	.000	.000	.000	.845	.845	.000	.930	.634	.712	.952	.938

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891
Counted:JM
Weather:Clear

File Name : KinKek MIDDAY
Site Code : 00000021
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Southbound					King Street Westbound					Kekaulike Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	81	81	0	0	0	57	57	0	0	0	112	112	0	246	21	125	392	642
11:15 AM	0	0	0	60	60	0	0	0	73	73	0	0	0	85	85	0	247	26	129	402	620
11:30 AM	0	0	0	92	92	0	0	0	78	78	0	0	0	140	140	0	279	23	142	444	754
11:45 AM	0	0	0	86	86	0	0	0	114	114	0	0	0	123	123	0	281	24	122	427	750
Total	0	0	0	319	319	0	0	0	322	322	0	0	0	460	460	0	1053	94	518	1665	2766
12:00 PM	0	0	0	51	51	0	0	0	84	84	0	0	0	94	94	0	263	21	117	401	630
12:15 PM	0	0	0	69	69	0	0	0	72	72	0	0	0	114	114	0	289	19	115	423	678
12:30 PM	0	0	0	70	70	0	0	0	72	72	0	0	0	86	86	0	279	24	88	391	619
12:45 PM	0	0	0	49	49	0	0	0	55	55	0	0	0	96	96	0	267	25	91	383	583
Total	0	0	0	239	239	0	0	0	283	283	0	0	0	390	390	0	1098	89	411	1598	2510
Grand Total	0	0	0	558	558	0	0	0	605	605	0	0	0	850	850	0	2151	183	929	3263	5276
Apprch %	0	0	0	100		0	0	0	100		0	0	0	100		0	65.9	5.6	28.5		
Total %	0	0	0	10.6	10.6	0	0	0	11.5	11.5	0	0	0	16.1	16.1	0	40.8	3.5	17.6	61.8	

	Southbound					King Street Westbound					Kekaulike Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	0	0	0	**92**	**92**	0	0	0	78	78	0	0	0	**140**	**140**	0	279	23	**142**	**444**	**754**
11:45 AM	0	0	0	86	86	0	0	0	**114**	**114**	0	0	0	123	123	0	281	**24**	122	427	750
12:00 PM	0	0	0	51	51	0	0	0	84	84	0	0	0	94	94	0	263	21	117	401	630
12:15 PM	0	0	0	69	69	0	0	0	72	72	0	0	0	114	114	0	**289**	19	115	423	678
Total Volume	0	0	0	298	298	0	0	0	348	348	0	0	0	471	471	0	1112	87	496	1695	2812
% App. Total	0	0	0	100		0	0	0	100		0	0	0	100		0	65.6	5.1	29.3		
PHF	.000	.000	.000	.810	.810	.000	.000	.000	.763	.763	.000	.000	.000	.841	.841	.000	.962	.906	.873	.954	.932

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

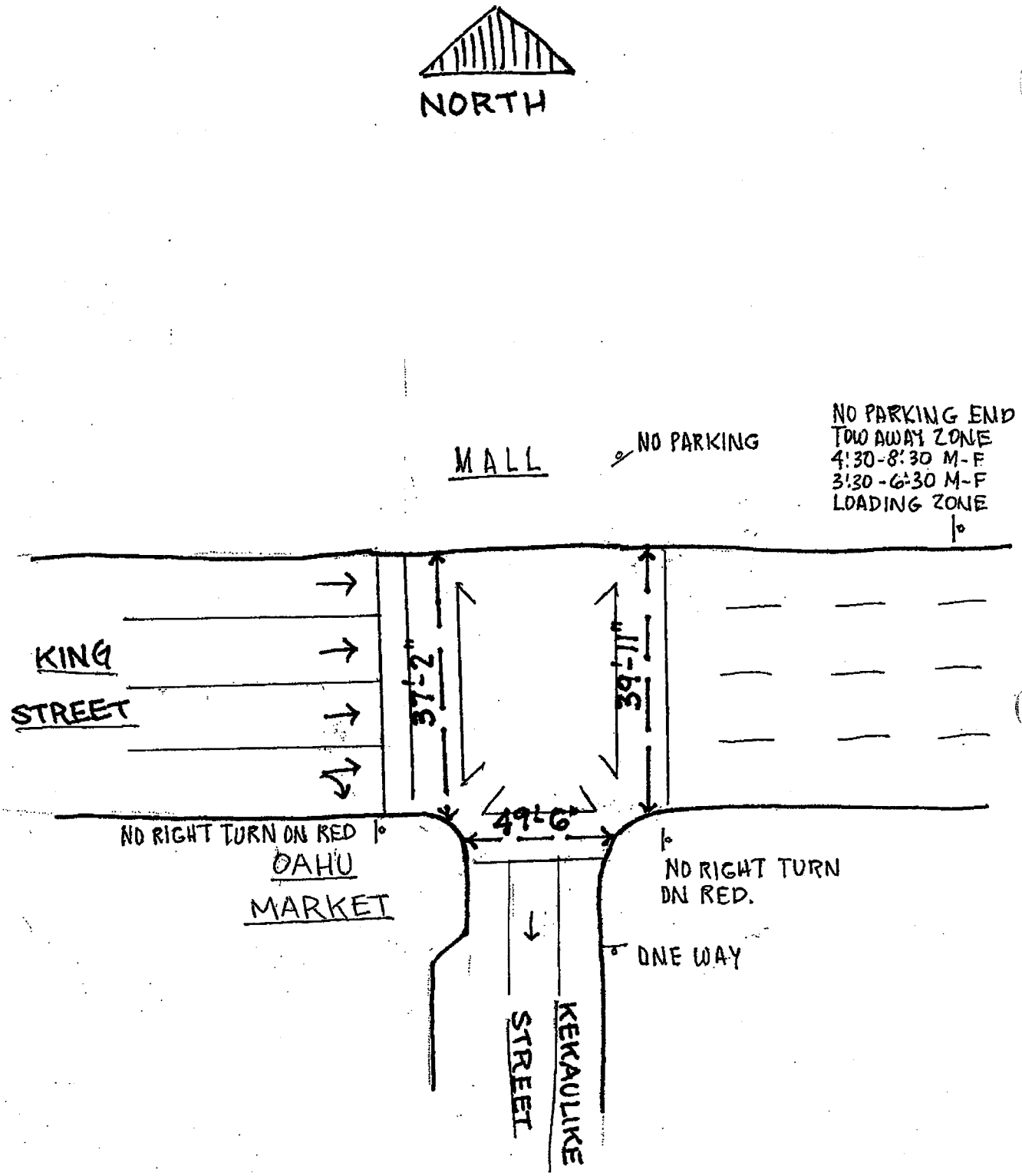
Counter:D4-3891
Counted:JM
Weather:Clear

File Name : KinKek PM
Site Code : 00000021
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Southbound					King Street Westbound					Kekaulike Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:15 PM	0	0	0	17	17	0	0	0	4	4	0	0	0	14	14	0	242	6	27	275	310
04:30 PM	0	0	0	13	13	0	0	0	14	14	0	0	0	20	20	0	380	8	19	407	454
04:45 PM	0	0	0	7	7	0	0	0	17	17	0	0	0	24	24	0	360	8	23	391	439
Total	0	0	0	37	37	0	0	0	35	35	0	0	0	58	58	0	982	22	69	1073	1203
05:00 PM	0	0	0	18	18	0	0	0	7	7	0	0	0	22	22	0	302	6	16	324	371
05:15 PM	0	0	0	8	8	0	0	0	9	9	0	0	0	17	17	0	305	3	19	327	361
05:30 PM	0	0	0	1	1	0	0	0	7	7	0	0	0	22	22	0	283	4	11	298	328
05:45 PM	0	0	0	5	5	0	0	0	3	3	0	0	0	15	15	0	281	6	16	303	326
Total	0	0	0	32	32	0	0	0	26	26	0	0	0	76	76	0	1171	19	62	1252	1386
06:00 PM	0	0	0	10	10	0	0	0	5	5	0	0	0	13	13	0	265	3	21	289	317
Grand Total	0	0	0	79	79	0	0	0	66	66	0	0	0	147	147	0	2418	44	152	2614	2906
Apprch %	0	0	0	100		0	0	0	100		0	0	0	100		0	92.5	1.7	5.8		
Total %	0	0	0	2.7	2.7	0	0	0	2.3	2.3	0	0	0	5.1	5.1	0	83.2	1.5	5.2	90	

	Southbound					King Street Westbound					Kekaulike Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:15 PM to 06:00 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	0	0	13	13	0	0	0	14	14	0	0	0	20	20	0	**380**	**8**	19	**407**	**454**
04:45 PM	0	0	0	7	7	0	0	0	**17**	**17**	0	0	0	**24**	**24**	0	360	8	**23**	391	439
05:00 PM	0	0	0	**18**	**18**	0	0	0	7	7	0	0	0	22	22	0	302	6	16	324	371
05:15 PM	0	0	0	8	8	0	0	0	9	9	0	0	0	17	17	0	305	3	19	327	361
Total Volume	0	0	0	46	46	0	0	0	47	47	0	0	0	83	83	0	1347	25	77	1449	1625
% App. Total	0	0	0	100		0	0	0	100		0	0	0	100		0	93	1.7	5.3		
PHF	.000	.000	.000	.639	.639	.000	.000	.000	.691	.691	.000	.000	.000	.865	.865	.000	.886	.781	.837	.890	.895


NORTH
MALL
NO PARKING
NO PARKING END
TOW AWAY ZONE
4:30-8:30 M-F
3:30-6:30 M-F
LOADING ZONE
KING
STREET
37'-2"
39'-11"
49'-6"
NO RIGHT TURN ON RED
OAHU
MARKET
NO RIGHT TURN
ON RED.
ONE WAY
KEKAULIKE
STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-5673
Counted:ZW, RL
Weather:Clear

File Name : KinMau AM
Site Code : 00000022
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Maunakea Street Southbound					Westbound	Maunakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	38	22	0	12	72	0	0	0	0	20	20	0	277	26	25	328	420
06:45 AM	47	12	0	19	78	0	0	0	0	38	38	0	373	5	22	400	516
Total	85	34	0	31	150	0	0	0	0	58	58	0	650	31	47	728	936
07:00 AM	60	20	0	13	93	0	0	0	0	35	35	0	406	5	22	433	561
07:15 AM	67	30	0	23	120	0	0	0	0	50	50	0	459	7	34	500	670
07:30 AM	89	33	0	16	138	0	0	0	0	57	57	0	386	10	28	424	619
07:45 AM	76	27	0	27	130	0	0	0	0	45	45	0	367	8	31	406	581
Total	292	110	0	79	481	0	0	0	0	187	187	0	1618	30	115	1763	2431
08:00 AM	70	38	0	34	142	0	0	0	0	62	62	0	340	13	52	405	609
08:15 AM	44	37	0	37	118	0	0	0	0	64	64	0	358	12	53	423	605
Grand Total	491	219	0	181	891	0	0	0	0	371	371	0	2966	86	267	3319	4581
Apprch %	55.1	24.6	0	20.3			0	0	0	100		0	89.4	2.6	8		
Total %	10.7	4.8	0	4	19.4	0	0	0	0	8.1	8.1	0	64.7	1.9	5.8	72.5	

	Maunakea Street Southbound					Westbound	Maunakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	67	30	0	23	120	0	0	0	0	50	50	0	**459**	7	34	**500**	**670**
07:30 AM	**89**	33	0	16	138	0	0	0	0	57	57	0	386	10	28	424	619
07:45 AM	76	27	0	27	130	0	0	0	0	45	45	0	367	8	31	406	581
08:00 AM	70	**38**	0	**34**	**142**	0	0	0	0	**62**	**62**	0	340	**13**	**52**	405	609
Total Volume	302	128	0	100	530	0	0	0	0	214	214	0	1552	38	145	1735	2479
% App. Total	57	24.2	0	18.9			0	0	0	100		0	89.5	2.2	8.4		
PHF	.848	.842	.000	.735	.933	.000	.000	.000	.000	.863	.863	.000	.845	.731	.697	.868	.925

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-5673
Counted:ZW, RL
Weather:Clear

File Name : KinMau MIDDAY
Site Code : 00000022
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Maunakea Street Southbound					Westbound	Maunakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	64	40	0	57	161	0	0	0	0	94	94	0	214	31	79	324	579
11:15 AM	57	31	0	63	151	0	0	0	0	124	124	0	270	6	76	352	627
11:30 AM	50	28	1	74	153	0	0	0	0	136	136	0	281	8	118	407	696
11:45 AM	89	47	0	75	211	0	0	0	0	108	108	0	315	16	72	403	722
Total	260	146	1	269	676	0	0	0	0	462	462	0	1080	61	345	1486	2624
12:00 PM	79	36	5	76	196	0	0	0	0	116	116	0	287	9	95	391	703
12:15 PM	76	31	7	69	183	0	0	0	0	85	85	0	286	10	91	387	655
12:30 PM	70	37	0	67	174	0	0	0	0	109	109	0	304	14	120	438	721
12:45 PM	79	36	0	66	181	0	0	0	0	105	105	1	341	10	102	454	740
Total	304	140	12	278	734	0	0	0	0	415	415	1	1218	43	408	1670	2819
Grand Total	564	286	13	547	1410	0	0	0	0	877	877	1	2298	104	753	3156	5443
Apprch %	40	20.3	0.9	38.8			0	0	0	100		0	72.8	3.3	23.9		
Total %	10.4	5.3	0.2	10	25.9	0	0	0	0	16.1	16.1	0	42.2	1.9	13.8	58	

	Maunakea Street Southbound					Westbound	Maunakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:00 PM																	
12:00 PM	**79**	36	5	**76**	**196**	0	0	0	0	**116**	**116**	0	287	9	95	391	703
12:15 PM	76	31	**7**	69	183	0	0	0	0	85	85	0	286	10	91	387	655
12:30 PM	70	**37**	0	67	174	0	0	0	0	109	109	0	304	**14**	**120**	438	721
12:45 PM	79	36	0	66	181	0	0	0	0	105	105	**1**	**341**	10	102	**454**	**740**
Total Volume	304	140	12	278	734	0	0	0	0	415	415	1	1218	43	408	1670	2819
% App. Total	41.4	19.1	1.6	37.9			0	0	0	100		0.1	72.9	2.6	24.4		
PHF	.962	.946	.429	.914	.936	.000	.000	.000	.000	.894	.894	.250	.893	.768	.850	.920	.952

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

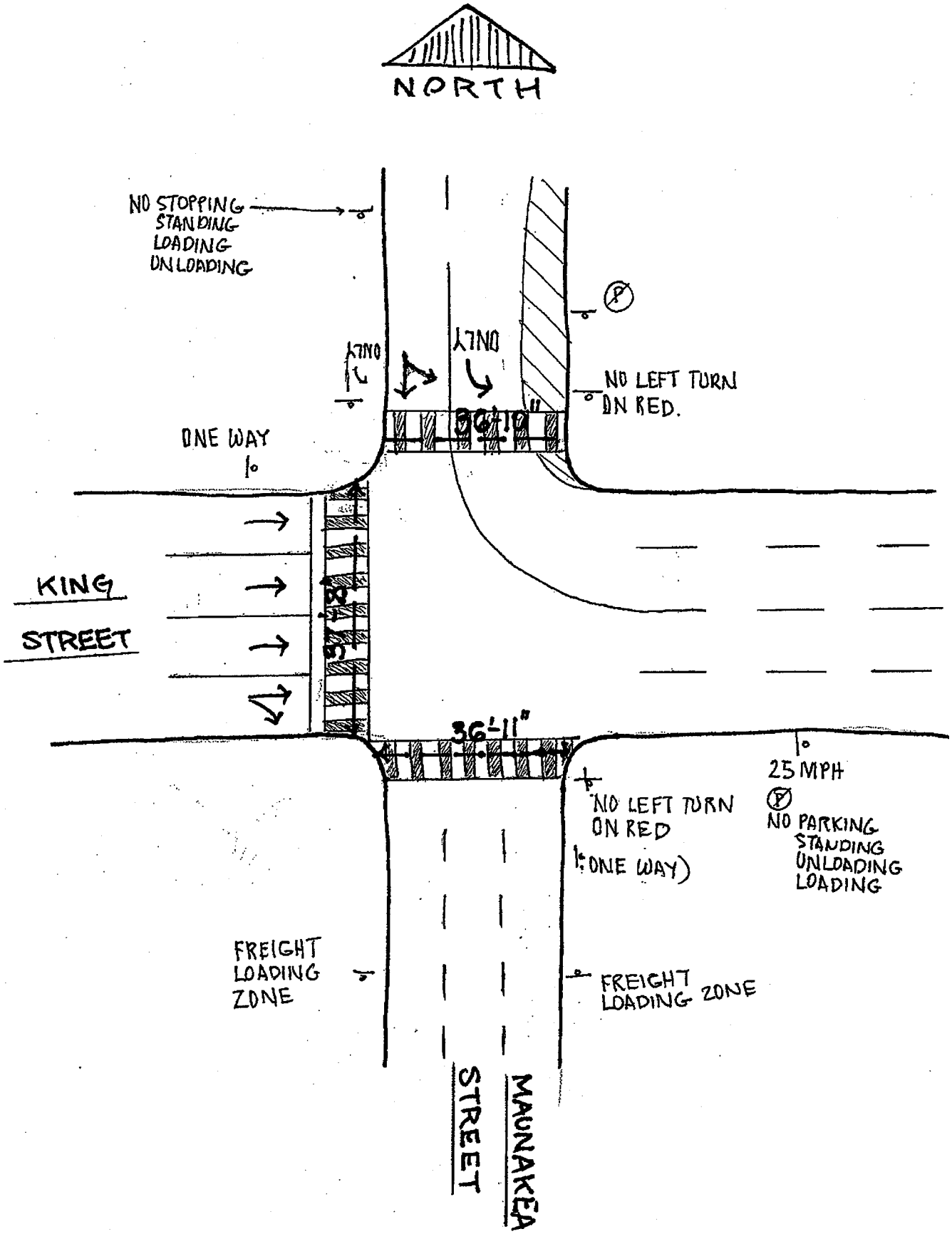
Counter:D4-5675, D4-5673
Counted:ZW, RL
Weather:Clear

File Name : KinMau PM
Site Code : 00000022
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Maunakea Street Southbound					Westbound	Maunakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:15 PM	51	13	0	4	68	0	0	0	0	34	34	0	260	3	43	306	408
04:30 PM	71	26	0	14	111	0	0	0	0	33	33	0	438	6	58	502	646
04:45 PM	65	15	0	19	99	0	0	0	0	50	50	0	414	8	65	487	636
Total	187	54	0	37	278	0	0	0	0	117	117	0	1112	17	166	1295	1690
05:00 PM	79	20	0	16	115	0	0	0	0	45	45	0	409	7	56	472	632
05:15 PM	53	24	0	16	93	0	0	0	0	17	17	0	369	3	36	408	518
05:30 PM	60	22	0	14	96	0	0	0	0	34	34	0	325	3	29	357	487
05:45 PM	68	19	0	12	99	0	0	0	0	25	25	0	330	5	43	378	502
Total	260	85	0	58	403	0	0	0	0	121	121	0	1433	18	164	1615	2139
06:00 PM	54	25	0	16	95	0	0	0	0	32	32	0	329	2	26	357	484
Grand Total	501	164	0	111	776	0	0	0	0	270	270	0	2874	37	356	3267	4313
Apprch %	64.6	21.1	0	14.3			0	0	0	100		0	88	1.1	10.9		
Total %	11.6	3.8	0	2.6	18	0	0	0	0	6.3	6.3	0	66.6	0.9	8.3	75.7	

	Maunakea Street Southbound					Westbound	Maunakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:15 PM to 06:00 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	71	26	0	14	111	0	0	0	0	33	33	0	438	6	58	502	646
04:45 PM	65	15	0	19	99	0	0	0	0	50	50	0	414	8	65	487	636
05:00 PM	79	20	0	16	115	0	0	0	0	45	45	0	409	7	56	472	632
05:15 PM	53	24	0	16	93	0	0	0	0	17	17	0	369	3	36	408	518
Total Volume	268	85	0	65	418	0	0	0	0	145	145	0	1630	24	215	1869	2432
% App. Total	64.1	20.3	0	15.6			0	0	0	100		0	87.2	1.3	11.5		
PHF	.848	.817	.000	.855	.909	.000	.000	.000	.000	.725	.725	.000	.930	.750	.827	.931	.941


NORTH
NO STOPPING
STANDING
LOADING
UNLOADING
ONLY
ONLY
NO LEFT TURN
ON RED.
ONE WAY
KING
STREET
36'-11"
36'-11"
25 MPH
NO LEFT TURN
ON RED
(ONE WAY)
NO PARKING
STANDING
UNLOADING
LOADING
FREIGHT
LOADING
ZONE
FREIGHT
LOADING ZONE
MAUNAKEA
STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-3890
Counted:JY, SW
Weather:Clear

File Name : KinSmi AM
Site Code : 00000023
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Smith Street Southbound					King Street Westbound					Smith Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	11	11	0	0	0	2	2	0	11	19	12	42	9	343	6	4	362	417
06:45 AM	0	0	0	17	17	0	0	0	4	4	0	15	31	19	65	13	404	7	5	429	515
Total	0	0	0	28	28	0	0	0	6	6	0	26	50	31	107	22	747	13	9	791	932
07:00 AM	0	0	0	10	10	0	0	0	10	10	0	23	43	25	91	17	428	10	9	464	575
07:15 AM	0	0	0	17	17	0	0	0	4	4	0	21	38	30	89	12	496	14	10	532	642
07:30 AM	0	0	0	15	15	0	0	0	4	4	0	24	38	31	93	12	447	10	10	479	591
07:45 AM	0	0	0	21	21	0	0	0	4	4	0	25	32	30	87	10	407	12	10	439	551
Total	0	0	0	63	63	0	0	0	22	22	0	93	151	116	360	51	1778	46	39	1914	2359
08:00 AM	0	0	0	10	10	0	0	0	10	10	0	26	23	27	76	18	395	13	21	447	543
08:15 AM	0	0	0	27	27	0	0	0	0	0	0	0	0	0	0	21	364	9	11	405	432
Grand Total	0	0	0	128	128	0	0	0	38	38	0	145	224	174	543	112	3284	81	80	3557	4266
Apprch %	0	0	0	100		0	0	0	100		0	26.7	41.3	32		3.1	92.3	2.3	2.2		
Total %	0	0	0	3	3	0	0	0	0.9	0.9	0	3.4	5.3	4.1	12.7	2.6	77	1.9	1.9	83.4	

	Smith Street Southbound					King Street Westbound					Smith Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:00 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	0	0	10	10	0	0	0	**10**	**10**	0	23	**43**	25	91	**17**	428	10	9	464	575
07:15 AM	0	0	0	17	17	0	0	0	4	4	0	21	38	30	89	12	**496**	**14**	**10**	**532**	**642**
07:30 AM	0	0	0	15	15	0	0	0	4	4	0	24	38	**31**	**93**	12	447	10	10	479	591
07:45 AM	0	0	0	**21**	**21**	0	0	0	4	4	0	**25**	32	30	87	10	407	12	10	439	551
Total Volume	0	0	0	63	63	0	0	0	22	22	0	93	151	116	360	51	1778	46	39	1914	2359
% App. Total	0	0	0	100		0	0	0	100		0	25.8	41.9	32.2		2.7	92.9	2.4	2		
PHF	.000	.000	.000	.750	.750	.000	.000	.000	.550	.550	.000	.930	.878	.935	.968	.750	.896	.821	.975	.899	.919

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-3890
Counted:JY, SW
Weather:Clear

File Name : KinSmi MIDDAY
Site Code : 00000023
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Smith Street Southbound					King Street Westbound					Smith Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	50	50	0	0	0	6	6	0	33	13	32	78	30	275	4	20	329	463
11:15 AM	0	0	0	57	57	0	0	0	10	10	0	21	9	54	84	34	277	7	31	349	500
11:30 AM	0	0	0	42	42	0	0	0	12	12	0	28	10	43	81	30	293	8	21	352	487
11:45 AM	0	0	0	43	43	0	0	0	10	10	0	26	12	48	86	37	327	15	30	409	548
Total	0	0	0	192	192	0	0	0	38	38	0	108	44	177	329	131	1172	34	102	1439	1998
12:00 PM	0	0	0	62	62	0	0	0	10	10	0	31	10	52	93	46	346	6	29	427	592
12:15 PM	0	0	0	53	53	0	0	0	10	10	0	20	13	57	90	41	370	4	27	442	595
12:30 PM	0	0	0	41	41	0	0	0	9	9	0	33	10	28	71	29	371	5	38	443	564
12:45 PM	0	0	0	39	39	0	0	0	14	14	0	19	22	42	83	37	377	5	23	442	578
Total	0	0	0	195	195	0	0	0	43	43	0	103	55	179	337	153	1464	20	117	1754	2329
Grand Total	0	0	0	387	387	0	0	0	81	81	0	211	99	356	666	284	2636	54	219	3193	4327
Apprch %	0	0	0	100		0	0	0	100		0	31.7	14.9	53.5		8.9	82.6	1.7	6.9		
Total %	0	0	0	8.9	8.9	0	0	0	1.9	1.9	0	4.9	2.3	8.2	15.4	6.6	60.9	1.2	5.1	73.8	

	Smith Street Southbound					King Street Westbound					Smith Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	0	0	**62**	**62**	0	0	0	10	10	0	31	10	52	**93**	**46**	346	**6**	29	427	592
12:15 PM	0	0	0	53	53	0	0	0	10	10	0	20	13	**57**	90	41	370	4	27	442	**595**
12:30 PM	0	0	0	41	41	0	0	0	9	9	0	**33**	10	28	71	29	371	5	**38**	**443**	564
12:45 PM	0	0	0	39	39	0	0	0	**14**	**14**	0	19	**22**	42	83	37	**377**	5	23	442	578
Total Volume	0	0	0	195	195	0	0	0	43	43	0	103	55	179	337	153	1464	20	117	1754	2329
% App. Total	0	0	0	100		0	0	0	100		0	30.6	16.3	53.1		8.7	83.5	1.1	6.7		
PHF	.000	.000	.000	.786	.786	.000	.000	.000	.768	.768	.000	.780	.625	.785	.906	.832	.971	.833	.770	.990	.979

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

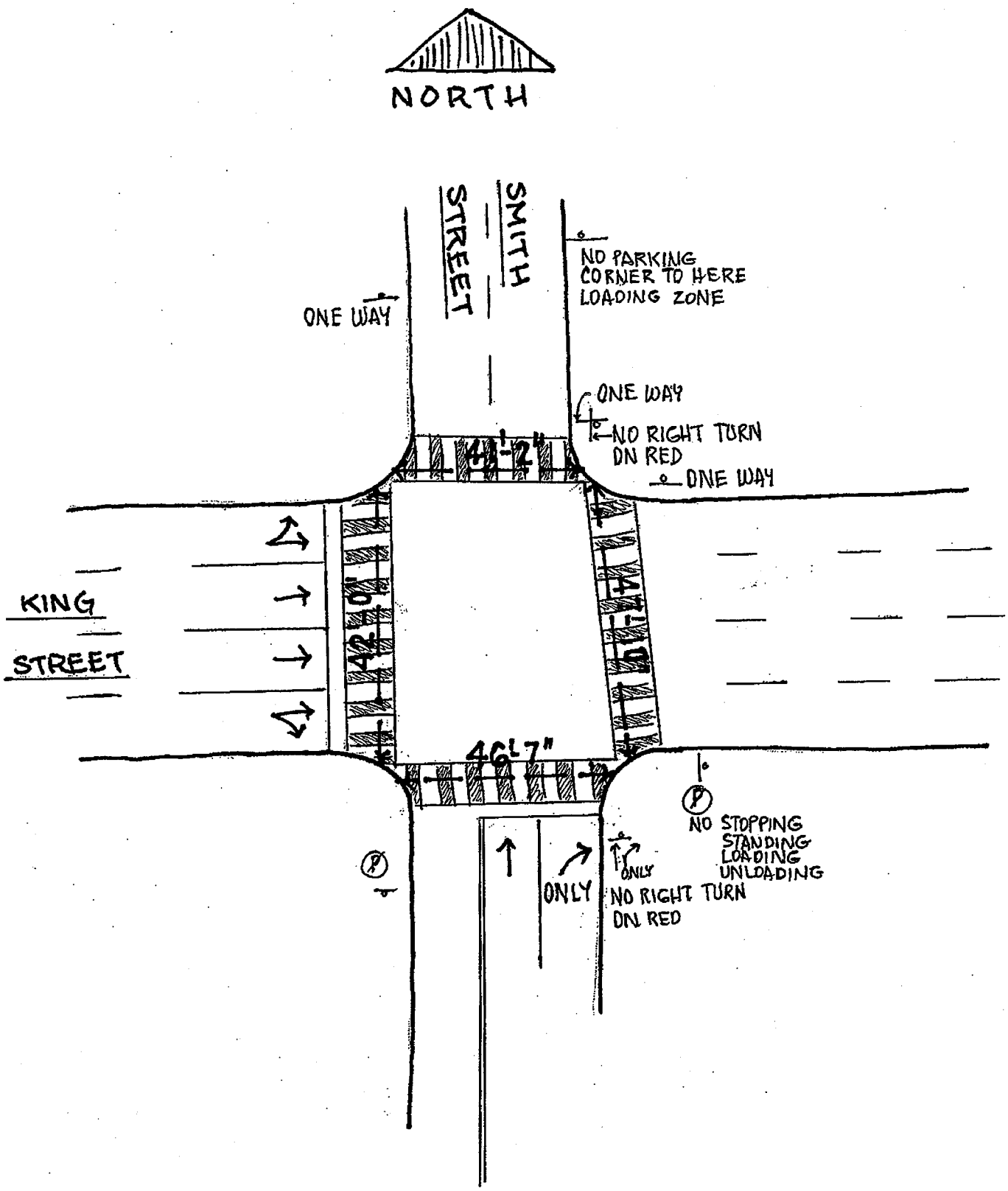
Counter:D4-3888, D4-3890
Counted:JY, SW
Weather:Clear

File Name : KinSmi PM
Site Code : 00000023
Start Date : 5/28/2008
Page No : 1

Groups Printed- Unshifted

	Smith Street Southbound					King Street Westbound					Smith Street Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	20	20	0	0	0	11	11	0	41	42	28	111	14	422	4	4	444	586
04:15 PM	0	0	0	8	8	0	0	0	4	4	0	36	32	24	92	22	451	6	11	490	594
04:30 PM	0	0	0	28	28	0	0	0	14	14	0	37	37	18	92	18	446	7	18	489	623
04:45 PM	0	0	0	10	10	0	0	0	3	3	0	32	24	32	88	26	445	10	25	506	607
Total	0	0	0	66	66	0	0	0	32	32	0	146	135	102	383	80	1764	27	58	1929	2410
05:00 PM	0	0	0	13	13	0	0	0	6	6	0	41	29	29	99	17	378	5	13	413	531
05:15 PM	0	0	0	8	8	0	0	0	7	7	0	35	17	7	59	22	389	7	14	432	506
05:30 PM	0	0	0	14	14	0	0	0	1	1	0	26	25	16	67	17	401	10	12	440	522
05:45 PM	0	0	0	10	10	0	0	0	1	1	0	16	11	7	34	30	325	31	31	417	462
Total	0	0	0	45	45	0	0	0	15	15	0	118	82	59	259	86	1493	53	70	1702	2021
Grand Total	0	0	0	111	111	0	0	0	47	47	0	264	217	161	642	166	3257	80	128	3631	4431
Apprch %	0	0	0	100		0	0	0	100		0	41.1	33.8	25.1		4.6	89.7	2.2	3.5		
Total %	0	0	0	2.5	2.5	0	0	0	1.1	1.1	0	6	4.9	3.6	14.5	3.7	73.5	1.8	2.9	81.9	

	Smith Street Southbound					King Street Westbound					Smith Street Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	0	0	20	20	0	0	0	11	11	0	**41**	**42**	28	**111**	14	422	4	4	444	586
04:15 PM	0	0	0	8	8	0	0	0	4	4	0	36	32	24	92	22	**451**	6	11	490	594
04:30 PM	0	0	0	**28**	**28**	0	0	0	**14**	**14**	0	37	37	18	92	18	446	7	18	489	**623**
04:45 PM	0	0	0	10	10	0	0	0	3	3	0	32	24	**32**	88	**26**	445	**10**	**25**	**506**	607
Total Volume	0	0	0	66	66	0	0	0	32	32	0	146	135	102	383	80	1764	27	58	1929	2410
% App. Total	0	0	0	100		0	0	0	100		0	38.1	35.2	26.6		4.1	91.4	1.4	3		
PHF	.000	.000	.000	.589	.589	.000	.000	.000	.571	.571	.000	.890	.804	.797	.863	.769	.978	.675	.580	.953	.967


NORTH
SMITH STREET
ONE WAY
NO PARKING
CORNER TO HERE
LOADING ZONE
ONE WAY
NO RIGHT TURN
ON RED
ONE WAY
41'-2"
KING
STREET
42'-0"
41'-10"
46'-7"
NO STOPPING
STANDING
LOADING
UNLOADING
ONLY
ONLY
NO RIGHT TURN
ON RED

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5676
Counted:DY, TW
Weather:Clear

File Name : KinNuu AM
Site Code : 00000024
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					King Street Westbound					Nuuanu Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	42	71	0	10	123	0	0	0	0	0	0	0	0	26	26	0	334	36	4	374	523
06:45 AM	75	99	0	20	194	0	0	0	1	1	0	0	0	16	16	0	409	37	3	449	660
Total	117	170	0	30	317	0	0	0	1	1	0	0	0	42	42	0	743	73	7	823	1183
07:00 AM	79	96	0	19	194	0	0	0	1	1	0	0	0	22	22	0	400	53	7	460	677
07:15 AM	101	105	0	27	233	0	0	0	4	4	0	0	0	31	31	0	431	65	8	504	772
07:30 AM	101	137	0	23	261	0	0	0	7	7	0	0	0	34	34	0	403	63	6	472	774
07:45 AM	102	123	0	20	245	0	0	0	12	12	0	0	0	33	33	0	303	45	8	356	646
Total	383	461	0	89	933	0	0	0	24	24	0	0	0	120	120	0	1537	226	29	1792	2869
08:00 AM	83	122	0	23	228	0	0	0	7	7	0	0	0	35	35	0	308	60	9	377	647
08:15 AM	92	116	0	36	244	0	0	0	10	10	0	0	0	39	39	0	271	22	7	300	593
Grand Total	675	869	0	178	1722	0	0	0	42	42	0	0	0	236	236	0	2859	381	52	3292	5292
Apprch %	39.2	50.5	0	10.3		0	0	0	100		0	0	0	100		0	86.8	11.6	1.6		
Total %	12.8	16.4	0	3.4	32.5	0	0	0	0.8	0.8	0	0	0	4.5	4.5	0	54	7.2	1	62.2	

	Nuuanu Avenue Southbound					King Street Westbound					Nuuanu Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:45 AM																					
06:45 AM	75	99	0	20	194	0	0	0	1	1	0	0	0	16	16	0	409	37	3	449	660
07:00 AM	79	96	0	19	194	0	0	0	1	1	0	0	0	22	22	0	400	53	7	460	677
07:15 AM	**101**	105	0	**27**	233	0	0	0	4	4	0	0	0	31	31	0	**431**	**65**	**8**	**504**	772
07:30 AM	101	**137**	0	23	**261**	0	0	0	**7**	**7**	0	0	0	**34**	**34**	0	403	63	6	472	**774**
Total Volume	356	437	0	89	882	0	0	0	13	13	0	0	0	103	103	0	1643	218	24	1885	2883
% App. Total	40.4	49.5	0	10.1		0	0	0	100		0	0	0	100		0	87.2	11.6	1.3		
PHF	.881	.797	.000	.824	.845	.000	.000	.000	.464	.464	.000	.000	.000	.757	.757	.000	.953	.838	.750	.935	.931

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5676
Counted:DY, ZW
Weather:Clear

File Name : KinNuu MIDDAY
Site Code : 00000024
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					King Street Westbound					Nuuanu Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	66	73	0	52	191	0	0	0	7	7	0	0	0	14	14	0	248	21	19	288	500
11:15 AM	79	82	0	41	202	0	0	0	7	7	0	0	0	7	7	0	252	20	24	296	512
11:30 AM	67	78	0	68	213	0	0	0	12	12	0	0	0	14	14	0	328	14	12	354	593
11:45 AM	62	56	0	47	165	0	0	0	13	13	0	0	0	15	15	0	315	24	12	351	544
Total	274	289	0	208	771	0	0	0	39	39	0	0	0	50	50	0	1143	79	67	1289	2149
12:00 PM	63	78	0	58	199	0	0	0	16	16	0	0	0	17	17	0	285	22	22	329	561
12:15 PM	63	64	0	65	192	0	0	0	25	25	0	0	0	22	22	0	250	21	16	287	526
12:30 PM	51	83	0	83	217	0	0	0	16	16	0	0	0	19	19	0	305	19	13	337	589
12:45 PM	63	76	0	80	219	0	0	0	4	4	0	0	0	7	7	0	347	28	25	400	630
Total	240	301	0	286	827	0	0	0	61	61	0	0	0	65	65	0	1187	90	76	1353	2306
Grand Total	514	590	0	494	1598	0	0	0	100	100	0	0	0	115	115	0	2330	169	143	2642	4455
Apprch %	32.2	36.9	0	30.9		0	0	0	100		0	0	0	100		0	88.2	6.4	5.4		
Total %	11.5	13.2	0	11.1	35.9	0	0	0	2.2	2.2	0	0	0	2.6	2.6	0	52.3	3.8	3.2	59.3	

	Nuuanu Avenue Southbound					King Street Westbound					Nuuanu Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	**63**	78	0	58	199	0	0	0	16	16	0	0	0	17	17	0	285	22	22	329	561
12:15 PM	63	64	0	65	192	0	0	0	**25**	**25**	0	0	0	**22**	**22**	0	250	21	16	287	526
12:30 PM	51	**83**	0	**83**	217	0	0	0	16	16	0	0	0	19	19	0	305	19	13	337	589
12:45 PM	63	76	0	80	**219**	0	0	0	4	4	0	0	0	7	7	0	**347**	**28**	**25**	**400**	**630**
Total Volume	240	301	0	286	827	0	0	0	61	61	0	0	0	65	65	0	1187	90	76	1353	2306
% App. Total	29	36.4	0	34.6		0	0	0	100		0	0	0	100		0	87.7	6.7	5.6		
PHF	.952	.907	.000	.861	.944	.000	.000	.000	.610	.610	.000	.000	.000	.739	.739	.000	.855	.804	.760	.846	.915

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

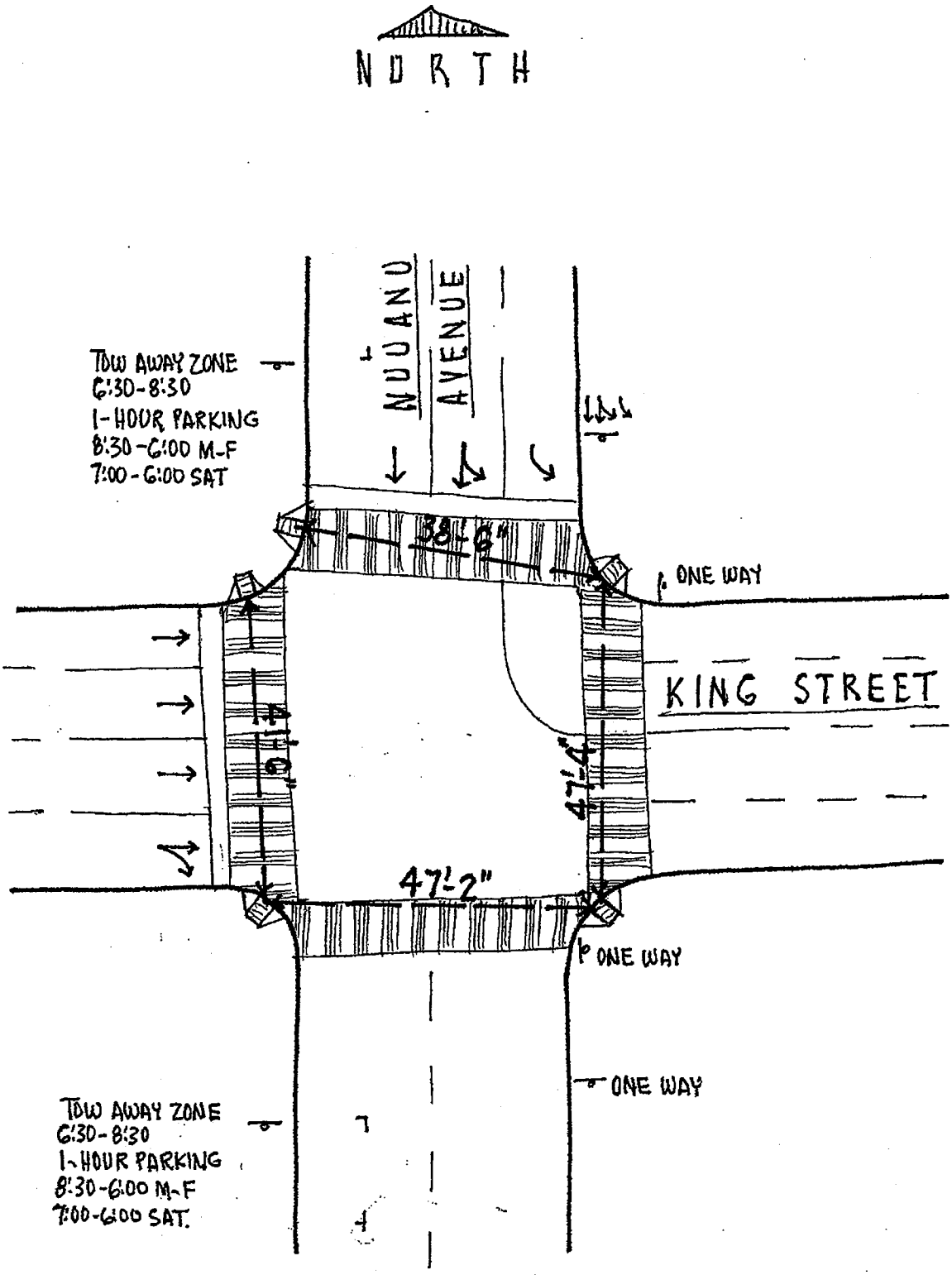
Counter:D4-5672, D4-5676
Counted:DY, WA
Weather:Clear

File Name : KinNuu PM
Site Code : 00000024
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					King Street Westbound					Nuuanu Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	55	69	0	35	159	0	0	0	15	15	0	0	0	32	32	0	390	27	9	426	632
04:15 PM	70	76	0	30	176	0	0	0	14	14	0	0	0	36	36	0	364	32	15	411	637
04:30 PM	67	60	0	29	156	0	0	0	20	20	0	0	0	32	32	0	395	31	19	445	653
04:45 PM	72	75	0	13	160	0	0	0	10	10	0	0	0	28	28	0	349	36	16	401	599
Total	264	280	0	107	651	0	0	0	59	59	0	0	0	128	128	0	1498	126	59	1683	2521
05:00 PM	75	63	0	17	155	0	0	0	10	10	0	0	0	40	40	0	349	31	14	394	599
05:15 PM	71	91	0	8	170	0	0	0	12	12	0	0	0	30	30	0	368	28	7	403	615
05:30 PM	65	67	0	8	140	0	0	0	13	13	0	0	0	36	36	0	289	17	6	312	501
05:45 PM	56	67	0	7	130	0	0	0	6	6	0	0	0	13	13	0	262	18	7	287	436
Total	267	288	0	40	595	0	0	0	41	41	0	0	0	119	119	0	1268	94	34	1396	2151
Grand Total	531	568	0	147	1246	0	0	0	100	100	0	0	0	247	247	0	2766	220	93	3079	4672
Apprch %	42.6	45.6	0	11.8		0	0	0	100		0	0	0	100		0	89.8	7.1	3		
Total %	11.4	12.2	0	3.1	26.7	0	0	0	2.1	2.1	0	0	0	5.3	5.3	0	59.2	4.7	2	65.9	

	Nuuanu Avenue Southbound					King Street Westbound					Nuuanu Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	55	69	0	**35**	159	0	0	0	15	15	0	0	0	32	32	0	390	27	9	426	632
04:15 PM	70	**76**	0	30	**176**	0	0	0	14	14	0	0	0	**36**	**36**	0	364	32	15	411	637
04:30 PM	67	60	0	29	156	0	0	0	**20**	**20**	0	0	0	32	32	0	**395**	31	**19**	**445**	**653**
04:45 PM	**72**	75	0	13	160	0	0	0	10	10	0	0	0	**28**	28	0	349	**36**	16	401	599
Total Volume	264	280	0	107	651	0	0	0	59	59	0	0	0	128	128	0	1498	126	59	1683	2521
% App. Total	40.6	43	0	16.4		0	0	0	100		0	0	0	100		0	89	7.5	3.5		
PHF	.917	.921	.000	.764	.925	.000	.000	.000	.738	.738	.000	.000	.000	.889	.889	.000	.948	.875	.776	.946	.965


NORTH
NUUANU AVENUE
TOW AWAY ZONE
6:30-8:30
1-HOUR PARKING
8:30-6:00 M-F
7:00-6:00 SAT
38'-6"
ONE WAY
KING STREET
47'-4"
47'-4"
47'-2"
ONE WAY
ONE WAY
TOW AWAY ZONE
6:30-8:30
1-HOUR PARKING
8:30-6:00 M-F
7:00-6:00 SAT.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-3890
Counted:SW, RL
Weather:Clear

File Name : KinBet AM
Site Code : 00000025
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Bethel street Southbound					King Street Westbound					Bethel street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	16	16	0	0	0	37	37	0	51	15	63	129	36	348	0	20	404	586
06:45 AM	0	0	0	46	46	0	0	0	49	49	0	70	24	76	170	52	426	0	36	514	779
Total	0	0	0	62	62	0	0	0	86	86	0	121	39	139	299	88	774	0	56	918	1365
07:00 AM	0	0	0	46	46	0	0	0	40	40	0	50	20	68	138	34	438	0	37	509	733
07:15 AM	0	0	0	33	33	0	0	0	32	32	0	66	25	66	157	45	463	0	27	535	757
07:30 AM	0	0	0	53	53	0	0	0	27	27	0	90	25	78	193	43	494	0	60	597	870
07:45 AM	0	0	0	32	32	0	0	0	26	26	0	61	13	42	116	60	347	0	33	440	614
Total	0	0	0	164	164	0	0	0	125	125	0	267	83	254	604	182	1742	0	157	2081	2974
08:00 AM	0	0	0	28	28	0	0	0	29	29	0	52	17	39	108	41	312	0	34	387	552
08:15 AM	0	0	0	34	34	0	0	0	37	37	0	65	20	54	139	52	315	0	40	407	617
Grand Total	0	0	0	288	288	0	0	0	277	277	0	505	159	486	1150	363	3143	0	287	3793	5508
Apprch %	0	0	0	100		0	0	0	100		0	43.9	13.8	42.3		9.6	82.9	0	7.6		
Total %	0	0	0	5.2	5.2	0	0	0	5	5	0	9.2	2.9	8.8	20.9	6.6	57.1	0	5.2	68.9	

	Bethel street Southbound					King Street Westbound					Bethel street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:45 AM																					
06:45 AM	0	0	0	46	46	0	0	0	**49**	**49**	0	70	24	76	170	**52**	426	0	36	514	779
07:00 AM	0	0	0	46	46	0	0	0	40	40	0	50	20	68	138	34	438	0	37	509	733
07:15 AM	0	0	0	33	33	0	0	0	32	32	0	66	**25**	66	157	45	463	0	27	535	757
07:30 AM	0	0	0	**53**	**53**	0	0	0	27	27	0	**90**	25	**78**	**193**	43	**494**	0	**60**	**597**	**870**
Total Volume	0	0	0	178	178	0	0	0	148	148	0	276	94	288	658	174	1821	0	160	2155	3139
% App. Total	0	0	0	100		0	0	0	100		0	41.9	14.3	43.8		8.1	84.5	0	7.4		
PHF	.000	.000	.000	.840	.840	.000	.000	.000	.755	.755	.000	.767	.940	.923	.852	.837	.922	.000	.667	.902	.902

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-3890
Counted:Sw, RL
Weather:Clear

File Name : KinBet MIDDAY
Site Code : 00000025
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Bethel Street Southbound					King Street Westbound					Bethel Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	68	68	0	0	0	43	43	0	70	22	49	141	26	278	0	44	348	600
11:15 AM	0	0	0	56	56	0	0	0	43	43	0	50	15	55	120	28	287	0	36	351	570
11:30 AM	0	0	0	94	94	0	0	0	33	33	0	72	12	76	160	29	344	0	41	414	701
11:45 AM	0	0	0	57	57	0	0	0	40	40	0	51	12	78	141	35	304	0	43	382	620
Total	0	0	0	275	275	0	0	0	159	159	0	243	61	258	562	118	1213	0	164	1495	2491
12:00 PM	0	0	0	80	80	0	0	0	54	54	0	73	16	92	181	20	314	0	39	373	688
12:15 PM	0	0	0	103	103	0	0	0	48	48	0	54	26	85	165	34	275	0	30	339	655
12:30 PM	0	0	0	91	91	0	0	0	50	50	0	62	23	76	161	30	290	0	50	370	672
12:45 PM	0	0	0	64	64	0	0	0	47	47	0	46	15	73	134	25	340	0	36	401	646
Total	0	0	0	338	338	0	0	0	199	199	0	235	80	326	641	109	1219	0	155	1483	2661
Grand Total	0	0	0	613	613	0	0	0	358	358	0	478	141	584	1203	227	2432	0	319	2978	5152
Apprch %	0	0	0	100		0	0	0	100		0	39.7	11.7	48.5		7.6	81.7	0	10.7		
Total %	0	0	0	11.9	11.9	0	0	0	6.9	6.9	0	9.3	2.7	11.3	23.4	4.4	47.2	0	6.2	57.8	

	Bethel Street Southbound					King Street Westbound					Bethel Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	0	0	0	94	94	0	0	0	33	33	0	72	12	76	160	29	**344**	0	41	**414**	**701**
11:45 AM	0	0	0	57	57	0	0	0	40	40	0	51	12	78	141	**35**	304	0	**43**	382	620
12:00 PM	0	0	0	80	80	0	0	0	**54**	**54**	0	**73**	16	**92**	**181**	20	314	0	39	373	688
12:15 PM	0	0	0	**103**	**103**	0	0	0	48	48	0	54	**26**	85	165	34	275	0	30	339	655
Total Volume	0	0	0	334	334	0	0	0	175	175	0	250	66	331	647	118	1237	0	153	1508	2664
% App. Total	0	0	0	100		0	0	0	100		0	38.6	10.2	51.2		7.8	82	0	10.1		
PHF	.000	.000	.000	.811	.811	.000	.000	.000	.810	.810	.000	.856	.635	.899	.894	.843	.899	.000	.890	.911	.950

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

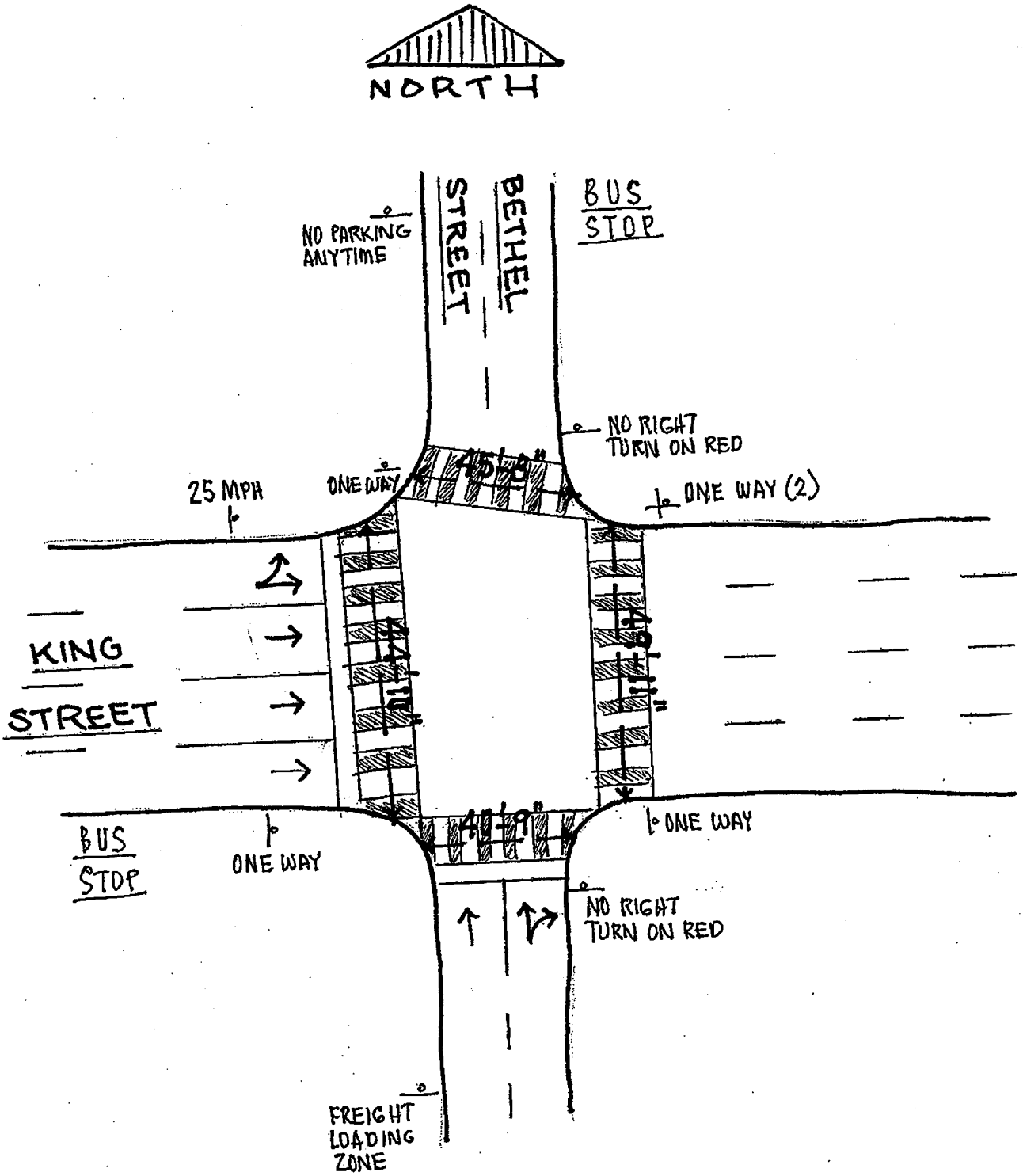
Counter:D4-5671, D4-3890
Counted:SW, RL
Weather:Clear

File Name : KinBet PM
Site Code : 00000025
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Bethel Street Southbound					King Street Westbound					Bethel Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	41	41	0	0	0	36	36	0	107	26	49	182	29	404	0	39	472	731
04:15 PM	0	0	0	23	23	0	0	0	42	42	0	97	36	67	200	33	411	0	34	478	743
04:30 PM	0	0	0	34	34	0	0	0	29	29	0	133	37	52	222	34	458	0	36	528	813
04:45 PM	0	0	0	27	27	0	0	0	26	26	0	118	43	37	198	27	414	0	15	456	707
Total	0	0	0	125	125	0	0	0	133	133	0	455	142	205	802	123	1687	0	124	1934	2994
05:00 PM	0	0	0	34	34	0	0	0	41	41	0	132	33	64	229	25	401	0	35	461	765
05:15 PM	0	0	0	26	26	0	0	0	24	24	0	134	24	45	203	29	446	0	23	498	751
05:30 PM	0	0	0	20	20	0	0	0	17	17	0	82	25	34	141	21	329	0	19	369	547
05:45 PM	0	0	0	24	24	0	0	0	19	19	0	67	21	27	115	21	311	0	14	346	504
Total	0	0	0	104	104	0	0	0	101	101	0	415	103	170	688	96	1487	0	91	1674	2567
Grand Total	0	0	0	229	229	0	0	0	234	234	0	870	245	375	1490	219	3174	0	215	3608	5561
Apprch %	0	0	0	100		0	0	0	100		0	58.4	16.4	25.2		6.1	88	0	6		
Total %	0	0	0	4.1	4.1	0	0	0	4.2	4.2	0	15.6	4.4	6.7	26.8	3.9	57.1	0	3.9	64.9	

	Bethel Street Southbound					King Street Westbound					Bethel Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	0	0	**34**	**34**	0	0	0	29	29	0	133	37	52	222	**34**	**458**	0	**36**	**528**	**813**
04:45 PM	0	0	0	27	27	0	0	0	26	26	0	118	**43**	37	198	27	414	0	15	456	707
05:00 PM	0	0	0	34	34	0	0	0	**41**	**41**	0	132	33	**64**	**229**	25	401	0	35	461	765
05:15 PM	0	0	0	26	26	0	0	0	24	24	0	**134**	24	45	203	29	446	0	23	498	751
Total Volume	0	0	0	121	121	0	0	0	120	120	0	517	137	198	852	115	1719	0	109	1943	3036
% App. Total	0	0	0	100		0	0	0	100		0	60.7	16.1	23.2		5.9	88.5	0	5.6		
PHF	.000	.000	.000	.890	.890	.000	.000	.000	.732	.732	.000	.965	.797	.773	.930	.846	.938	.000	.757	.920	.934


NORTH
BETHEL STREET
BUS STOP
NO PARKING ANYTIME
NO RIGHT TURN ON RED
ONE WAY
45'8"
ONE WAY (2)
25 MPH
KING STREET
44'10"
44'10"
40'9"
BUS STOP
ONE WAY
ONE WAY
NO RIGHT TURN ON RED
FREIGHT LOADING ZONE

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4- 5673, D4-5675
Counted:JM, AN
Weather:Clear

File Name : KinBis AM
Site Code : 00000027
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					King Street Westbound					Bishop Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	168	214	0	25	407	0	0	0	21	21	0	0	0	76	76	0	329	22	58	409	913
06:45 AM	169	271	0	31	471	0	0	0	8	8	0	0	0	64	64	0	435	11	55	501	1044
Total	337	485	0	56	878	0	0	0	29	29	0	0	0	140	140	0	764	33	113	910	1957
07:00 AM	187	295	0	32	514	0	0	0	27	27	0	0	0	62	62	0	431	22	62	515	1118
07:15 AM	195	286	0	74	555	0	0	0	37	37	0	0	0	66	66	0	473	26	63	562	1220
07:30 AM	190	336	0	68	594	0	0	0	60	60	0	0	0	64	64	0	459	34	104	597	1315
07:45 AM	212	355	0	38	605	0	0	0	23	23	0	0	0	61	61	0	346	22	84	452	1141
Total	784	1272	0	212	2268	0	0	0	147	147	0	0	0	253	253	0	1709	104	313	2126	4794
08:00 AM	209	339	0	49	597	0	0	0	25	25	0	0	0	74	74	0	352	20	76	448	1144
08:15 AM	197	305	0	55	557	0	0	0	39	39	0	0	0	60	60	0	312	26	66	404	1060
Grand Total	1527	2401	0	372	4300	0	0	0	240	240	0	0	0	527	527	0	3137	183	568	3888	8955
Apprch %	35.5	55.8	0	8.7		0	0	0	100		0	0	0	100		0	80.7	4.7	14.6		
Total %	17.1	26.8	0	4.2	48	0	0	0	2.7	2.7	0	0	0	5.9	5.9	0	35	2	6.3	43.4	

	Bishop Street Southbound					King Street Westbound					Bishop Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	195	286	0	**74**	555	0	0	0	37	37	0	0	0	66	66	0	**473**	26	63	562	1220
07:30 AM	190	336	0	68	594	0	0	0	**60**	**60**	0	0	0	64	64	0	459	**34**	**104**	**597**	**1315**
07:45 AM	**212**	**355**	0	38	**605**	0	0	0	23	23	0	0	0	61	61	0	346	22	84	452	1141
08:00 AM	209	339	0	49	597	0	0	0	25	25	0	0	0	**74**	**74**	0	352	20	76	448	1144
Total Volume	806	1316	0	229	2351	0	0	0	145	145	0	0	0	265	265	0	1630	102	327	2059	4820
% App. Total	34.3	56	0	9.7		0	0	0	100		0	0	0	100		0	79.2	5	15.9		
PHF	.950	.927	.000	.774	.971	.000	.000	.000	.604	.604	.000	.000	.000	.895	.895	.000	.862	.750	.786	.862	.916

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-5675
Counted:JM, AN
Weather:Clear

File Name : KinBis MIDDAY
Site Code : 00000027
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					King Street Westbound					Bishop Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	127	174	0	75	376	0	0	0	72	72	0	0	0	70	70	0	291	27	92	410	928
11:15 AM	139	192	0	73	404	0	0	0	131	131	0	0	0	81	81	0	270	24	117	411	1027
11:30 AM	140	196	0	110	446	0	0	0	117	117	0	0	0	82	82	0	264	25	158	447	1092
11:45 AM	151	170	0	93	414	0	0	0	105	105	0	0	0	170	170	0	311	27	219	557	1246
Total	557	732	0	351	1640	0	0	0	425	425	0	0	0	403	403	0	1136	103	586	1825	4293
12:00 PM	138	185	0	140	463	0	0	0	162	162	0	0	0	167	167	0	320	27	219	566	1358
12:15 PM	113	156	0	187	456	0	0	0	165	165	0	0	0	174	174	0	274	23	215	512	1307
12:30 PM	157	177	0	109	443	0	0	0	122	122	0	0	0	189	189	0	300	24	197	521	1275
12:45 PM	126	174	0	119	419	0	0	0	111	111	0	0	0	142	142	0	308	24	192	524	1196
Total	534	692	0	555	1781	0	0	0	560	560	0	0	0	672	672	0	1202	98	823	2123	5136
Grand Total	1091	1424	0	906	3421	0	0	0	985	985	0	0	0	1075	1075	0	2338	201	1409	3948	9429
Apprch %	31.9	41.6	0	26.5		0	0	0	100		0	0	0	100		0	59.2	5.1	35.7		
Total %	11.6	15.1	0	9.6	36.3	0	0	0	10.4	10.4	0	0	0	11.4	11.4	0	24.8	2.1	14.9	41.9	

	Bishop Street Southbound					King Street Westbound					Bishop Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	151	170	0	93	414	0	0	0	105	105	0	0	0	170	170	0	311	**27**	**219**	557	1246
12:00 PM	138	**185**	0	140	**463**	0	0	0	162	162	0	0	0	167	167	0	**320**	27	219	**566**	**1358**
12:15 PM	113	156	0	**187**	456	0	0	0	**165**	**165**	0	0	0	174	174	0	274	23	215	512	1307
12:30 PM	**157**	177	0	109	443	0	0	0	122	122	0	0	0	**189**	**189**	0	300	24	197	521	1275
Total Volume	559	688	0	529	1776	0	0	0	554	554	0	0	0	700	700	0	1205	101	850	2156	5186
% App. Total	31.5	38.7	0	29.8		0	0	0	100		0	0	0	100		0	55.9	4.7	39.4		
PHF	.890	.930	.000	.707	.959	.000	.000	.000	.839	.839	.000	.000	.000	.926	.926	.000	.941	.935	.970	.952	.955

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

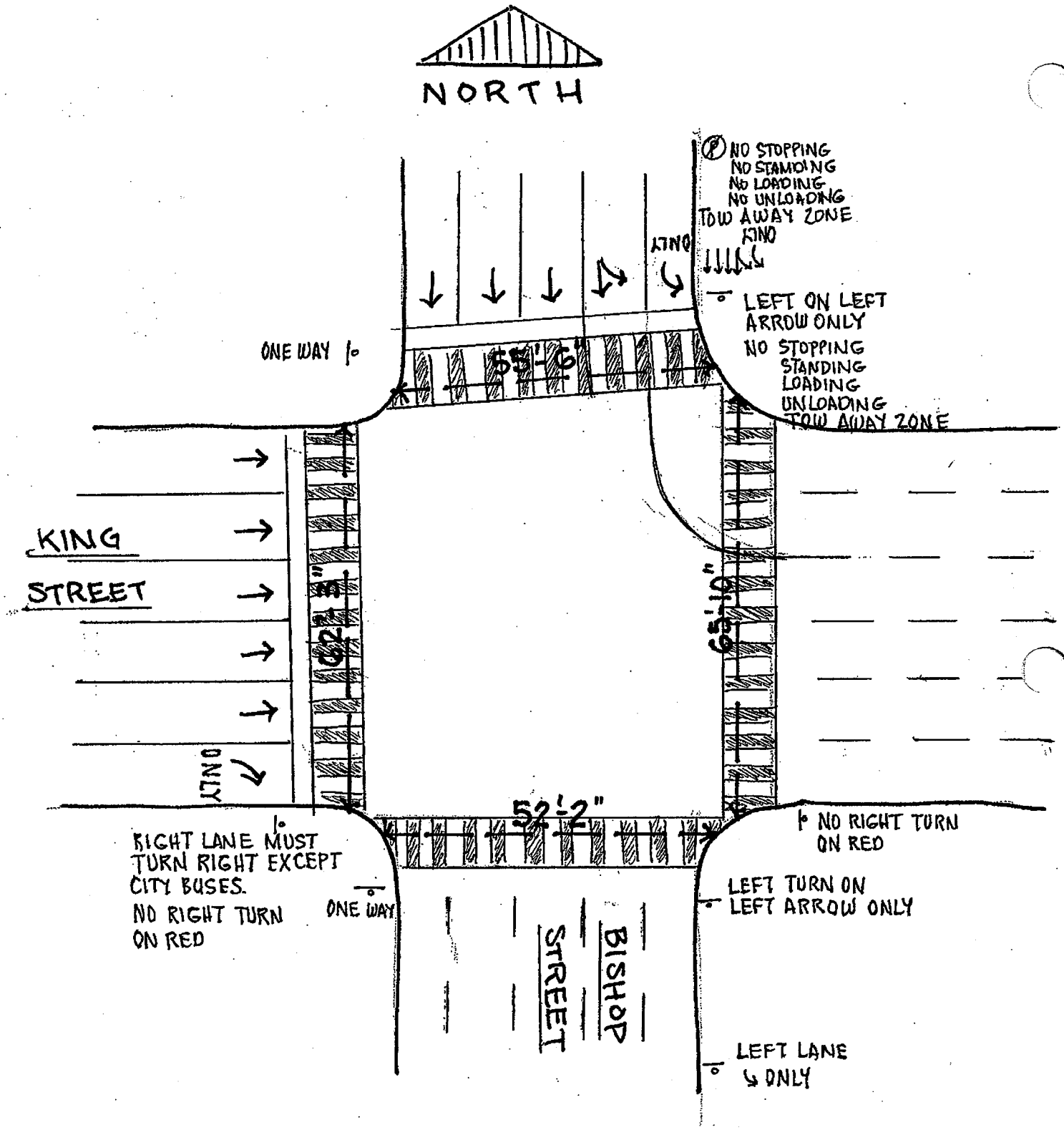
Counter:D4-5673, D4-5675
Counted:JM, DN
Weather:Clear

File Name : KinBis PM
Site Code : 00000027
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					King Street Westbound					Bishop Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	139	177	0	32	348	0	0	0	54	54	0	0	0	72	72	0	410	25	79	514	988
04:15 PM	148	174	0	29	351	0	0	0	52	52	0	0	0	63	63	0	435	36	85	556	1022
04:30 PM	171	218	0	58	447	0	0	0	46	46	0	0	0	84	84	0	444	41	127	612	1189
04:45 PM	167	230	0	62	459	0	0	0	49	49	0	0	0	67	67	0	427	31	95	553	1128
Total	625	799	0	181	1605	0	0	0	201	201	0	0	0	286	286	0	1716	133	386	2235	4327
05:00 PM	174	191	0	53	418	0	0	0	70	70	0	0	0	87	87	0	417	44	101	562	1137
05:15 PM	165	181	0	36	382	0	0	0	39	39	0	0	0	54	54	0	438	43	76	557	1032
05:30 PM	151	181	0	33	365	0	0	0	45	45	0	0	0	64	64	0	374	23	81	478	952
05:45 PM	132	177	0	30	339	0	0	0	47	47	0	0	0	29	29	0	331	33	60	424	839
Total	622	730	0	152	1504	0	0	0	201	201	0	0	0	234	234	0	1560	143	318	2021	3960
Grand Total	1247	1529	0	333	3109	0	0	0	402	402	0	0	0	520	520	0	3276	276	704	4256	8287
Apprch %	40.1	49.2	0	10.7		0	0	0	100		0	0	0	100		0	77	6.5	16.5		
Total %	15	18.5	0	4	37.5	0	0	0	4.9	4.9	0	0	0	6.3	6.3	0	39.5	3.3	8.5	51.4	

	Bishop Street Southbound					King Street Westbound					Bishop Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	171	218	0	58	447	0	0	0	46	46	0	0	0	84	84	0	**444**	41	**127**	**612**	**1189**
04:45 PM	167	**230**	0	**62**	**459**	0	0	0	49	49	0	0	0	67	67	0	427	31	95	553	1128
05:00 PM	**174**	191	0	53	418	0	0	0	**70**	**70**	0	0	0	**87**	**87**	0	417	**44**	101	562	1137
05:15 PM	165	181	0	36	382	0	0	0	39	39	0	0	0	54	54	0	438	43	76	557	1032
Total Volume	677	820	0	209	1706	0	0	0	204	204	0	0	0	292	292	0	1726	159	399	2284	4486
% App. Total	39.7	48.1	0	12.3		0	0	0	100		0	0	0	100		0	75.6	7	17.5		
PHF	.973	.891	.000	.843	.929	.000	.000	.000	.729	.729	.000	.000	.000	.839	.839	.000	.972	.903	.785	.933	.943


NORTH
NO STOPPING
NO STANDING
NO LOADING
NO UNLOADING
TOW AWAY ZONE
KING ONLY
LEFT ON LEFT ARROW ONLY
NO STOPPING
STANDING
LOADING
UNLOADING
TOW AWAY ZONE
ONE WAY
55'-6"
KING
STREET
62'-3"
65'-10"
KING ONLY
52'-2"
RIGHT LANE MUST TURN RIGHT EXCEPT CITY BUSES.
NO RIGHT TURN ON RED
ONE WAY
NO RIGHT TURN ON RED
LEFT TURN ON LEFT ARROW ONLY
BISHOP STREET
LEFT LANE ↳ ONLY

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5674, D4-3889
Counted:JY, RY
Weather:Clear

File Name : KinAla AM
Site Code : 00000028
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					King Street Westbound					Alakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	21	21	0	0	0	41	41	0	127	35	73	235	128	346	0	71	545	842
06:45 AM	0	0	0	34	34	0	0	0	54	54	0	159	37	92	288	154	451	0	82	687	1063
Total	0	0	0	55	55	0	0	0	95	95	0	286	72	165	523	282	797	0	153	1232	1905
07:00 AM	0	0	0	31	31	0	0	0	58	58	0	192	37	87	316	174	453	0	54	681	1086
07:15 AM	0	0	0	35	35	0	0	0	83	83	0	204	33	78	315	197	482	0	81	760	1193
07:30 AM	0	0	0	38	38	0	0	0	92	92	0	195	37	88	320	185	494	0	81	760	1210
07:45 AM	0	0	0	24	24	0	0	0	68	68	0	226	44	75	345	186	396	0	55	637	1074
Total	0	0	0	128	128	0	0	0	301	301	0	817	151	328	1296	742	1825	0	271	2838	4563
08:00 AM	0	0	0	31	31	0	0	0	74	74	0	213	33	68	314	173	393	0	60	626	1045
08:15 AM	0	0	0	27	27	0	0	0	62	62	0	219	33	61	313	203	306	0	54	563	965
Grand Total	0	0	0	241	241	0	0	0	532	532	0	1535	289	622	2446	1400	3321	0	538	5259	8478
Apprch %	0	0	0	100		0	0	0	100		0	62.8	11.8	25.4		26.6	63.1	0	10.2		
Total %	0	0	0	2.8	2.8	0	0	0	6.3	6.3	0	18.1	3.4	7.3	28.9	16.5	39.2	0	6.3	62	

	Alakea Street Southbound					King Street Westbound					Alakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	0	0	31	31	0	0	0	58	58	0	192	37	87	316	174	453	0	54	681	1086
07:15 AM	0	0	0	35	35	0	0	0	83	83	0	204	33	78	315	**197**	482	0	**81**	**760**	1193
07:30 AM	0	0	0	**38**	**38**	0	0	0	**92**	**92**	0	195	37	**88**	320	185	**494**	0	81	760	**1210**
07:45 AM	0	0	0	24	24	0	0	0	68	68	0	**226**	**44**	75	**345**	186	396	0	55	637	1074
Total Volume	0	0	0	128	128	0	0	0	301	301	0	817	151	328	1296	742	1825	0	271	2838	4563
% App. Total	0	0	0	100		0	0	0	100		0	63	11.7	25.3		26.1	64.3	0	9.5		
PHF	.000	.000	.000	.842	.842	.000	.000	.000	.818	.818	.000	.904	.858	.932	.939	.942	.924	.000	.836	.934	.943

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5674, D4-3889
Counted:RY,JY
Weather:Clear

File Name : KinAla MIDDAY
Site Code : 00000028
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					King Street Westbound					Alakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	62	62	0	0	0	97	97	0	187	33	110	330	99	331	0	88	518	1007
11:15 AM	0	0	0	90	90	0	0	0	132	132	0	189	33	111	333	114	330	0	105	549	1104
11:30 AM	0	0	0	76	76	0	0	0	191	191	0	185	36	197	418	121	400	0	177	698	1383
11:45 AM	0	0	0	124	124	0	0	0	234	234	0	184	31	229	444	136	358	0	216	710	1512
Total	0	0	0	352	352	0	0	0	654	654	0	745	133	647	1525	470	1419	0	586	2475	5006
12:00 PM	0	0	0	91	91	0	0	0	178	178	0	187	27	187	401	128	357	0	137	622	1292
12:15 PM	0	0	0	103	103	0	0	0	201	201	0	170	28	236	434	107	311	0	234	652	1390
12:30 PM	0	0	0	100	100	0	0	0	231	231	0	193	18	207	418	112	364	0	156	632	1381
12:45 PM	0	0	0	66	66	0	0	0	188	188	0	167	26	175	368	106	340	1	134	581	1203
Total	0	0	0	360	360	0	0	0	798	798	0	717	99	805	1621	453	1372	1	661	2487	5266
Grand Total	0	0	0	712	712	0	0	0	1452	1452	0	1462	232	1452	3146	923	2791	1	1247	4962	10272
Apprch %	0	0	0	100		0	0	0	100		0	46.5	7.4	46.2		18.6	56.2	0	25.1		
Total %	0	0	0	6.9	6.9	0	0	0	14.1	14.1	0	14.2	2.3	14.1	30.6	9	27.2	0	12.1	48.3	

	Alakea Street Southbound					King Street Westbound					Alakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	0	0	0	76	76	0	0	0	191	191	0	185	**36**	197	418	121	**400**	0	177	698	1383
11:45 AM	0	0	0	**124**	**124**	0	0	0	**234**	**234**	0	184	31	229	**444**	**136**	358	0	216	**710**	**1512**
12:00 PM	0	0	0	91	91	0	0	0	178	178	0	**187**	27	187	401	128	357	0	137	622	1292
12:15 PM	0	0	0	103	103	0	0	0	201	201	0	170	28	**236**	434	107	311	0	**234**	652	1390
Total Volume	0	0	0	394	394	0	0	0	804	804	0	726	122	849	1697	492	1426	0	764	2682	5577
% App. Total	0	0	0	100		0	0	0	100		0	42.8	7.2	50		18.3	53.2	0	28.5		
PHF	.000	.000	.000	.794	.794	.000	.000	.000	.859	.859	.000	.971	.847	.899	.956	.904	.891	.000	.816	.944	.922

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

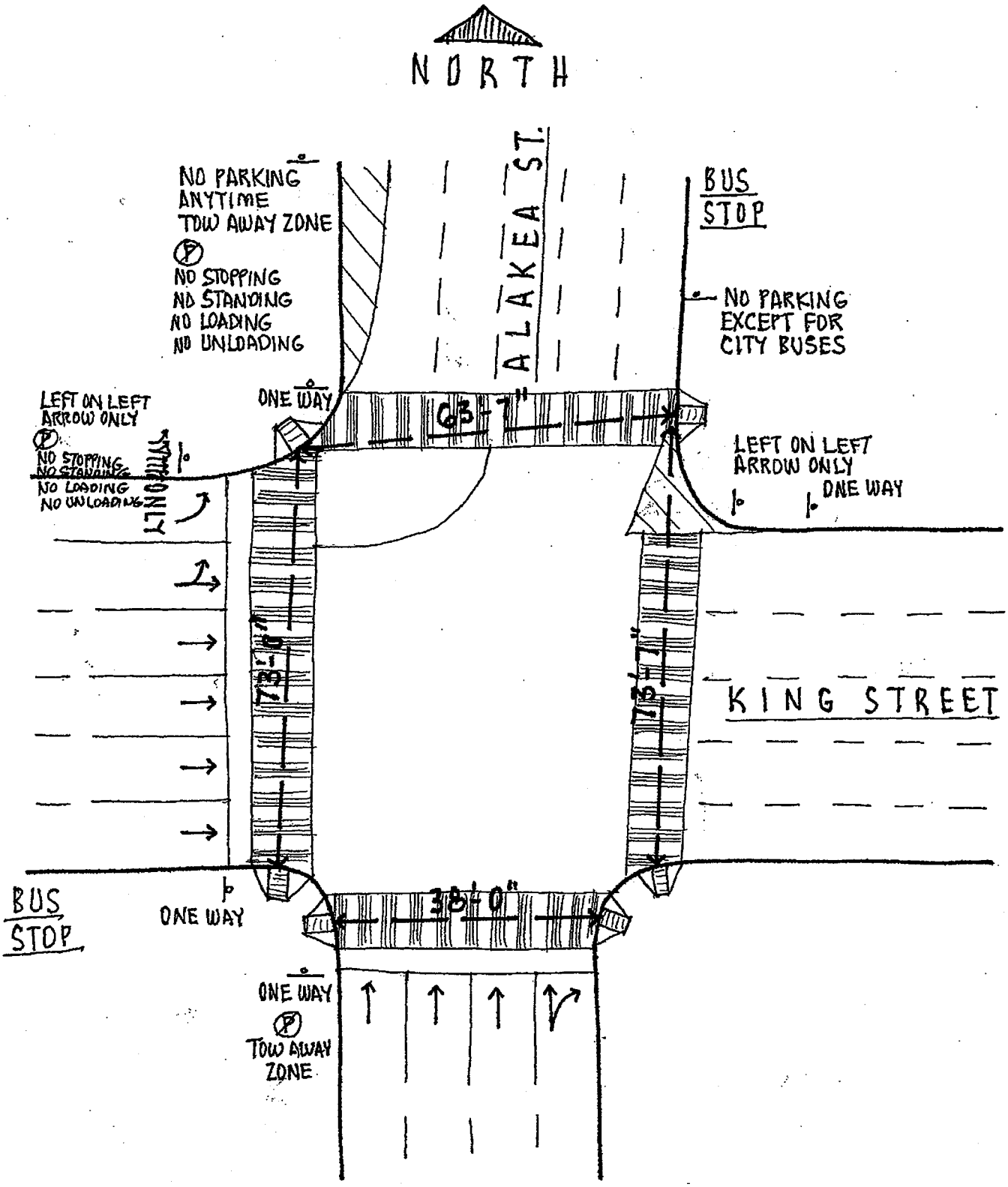
Counter:D4-5674, D4-3889
Counted:JY, KK
Weather:Clear

File Name : KinAla PM
Site Code : 00000028
Start Date : 5/29/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					King Street Westbound					Alakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	32	32	0	0	0	41	41	0	283	32	49	364	129	407	0	55	591	1028
04:15 PM	0	0	0	41	41	0	0	0	58	58	0	315	42	45	402	133	475	0	37	645	1146
04:30 PM	0	0	0	45	45	0	0	0	54	54	0	287	59	83	429	180	431	0	76	687	1215
04:45 PM	0	0	0	21	21	0	0	0	53	53	1	341	53	66	461	157	488	0	61	706	1241
Total	0	0	0	139	139	0	0	0	206	206	1	1226	186	243	1656	599	1801	0	229	2629	4630
05:00 PM	0	0	0	48	48	0	0	0	81	81	0	323	63	70	456	178	465	0	48	691	1276
05:15 PM	0	0	0	21	21	0	0	0	56	56	0	297	66	59	422	148	491	0	44	683	1182
05:30 PM	0	0	0	16	16	0	0	0	27	27	0	276	44	50	370	139	463	0	32	634	1047
05:45 PM	0	0	0	13	13	0	0	0	33	33	0	233	56	30	319	110	397	0	28	535	900
Total	0	0	0	98	98	0	0	0	197	197	0	1129	229	209	1567	575	1816	0	152	2543	4405
Grand Total	0	0	0	237	237	0	0	0	403	403	1	2355	415	452	3223	1174	3617	0	381	5172	9035
Apprch %	0	0	0	100		0	0	0	100		0	73.1	12.9	14		22.7	69.9	0	7.4		
Total %	0	0	0	2.6	2.6	0	0	0	4.5	4.5	0	26.1	4.6	5	35.7	13	40	0	4.2	57.2	

	Alakea Street Southbound					King Street Westbound					Alakea Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	0	0	45	45	0	0	0	54	54	0	287	59	**83**	429	**180**	431	0	**76**	687	1215
04:45 PM	0	0	0	21	21	0	0	0	53	53	**1**	**341**	53	66	**461**	157	488	0	61	**706**	1241
05:00 PM	0	0	0	**48**	**48**	0	0	0	**81**	**81**	0	323	63	70	456	178	465	0	48	691	**1276**
05:15 PM	0	0	0	21	21	0	0	0	56	56	0	297	**66**	59	422	148	**491**	0	44	683	1182
Total Volume	0	0	0	135	135	0	0	0	244	244	1	1248	241	278	1768	663	1875	0	229	2767	4914
% App. Total	0	0	0	100		0	0	0	100		0.1	70.6	13.6	15.7		24	67.8	0	8.3		
PHF	.000	.000	.000	.703	.703	.000	.000	.000	.753	.753	.250	.915	.913	.837	.959	.921	.955	.000	.753	.980	.963


NORTH
ALAKEA ST.
NO PARKING
ANYTIME
TOW AWAY ZONE
NO STOPPING
NO STANDING
NO LOADING
NO UNLOADING
BUS
STOP
NO PARKING
EXCEPT FOR
CITY BUSES
LEFT ON LEFT
ARROW ONLY
NO STOPPING
NO STANDING
NO LOADING
NO UNLOADING
ONE WAY
63'-7"
LEFT ON LEFT
ARROW ONLY
ONE WAY
73'-7"
73'-7"
KING STREET
BUS
STOP
ONE WAY
38'-0"
ONE WAY
TOW AWAY
ZONE

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-3889
Counted:TO, JY
Weather:Clear

File Name : KinRic AM
Site Code : 00000029
Start Date : 6/2/2008
Page No : 1

Groups Printed- Unshifted

	Richard Street Southbound					King Street Westbound					Richard Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	27	50	0	9	86	0	0	0	11	11	0	0	0	13	13	0	357	19	14	390	500
06:45 AM	41	62	0	20	123	0	0	0	10	10	0	0	0	8	8	0	401	17	11	429	570
Total	68	112	0	29	209	0	0	0	21	21	0	0	0	21	21	0	758	36	25	819	1070
07:00 AM	42	76	0	14	132	0	0	0	21	21	0	0	0	20	20	0	458	20	34	512	685
07:15 AM	28	83	0	24	135	0	0	0	21	21	0	0	0	11	11	0	468	14	30	512	679
07:30 AM	49	73	0	20	142	0	0	0	17	17	0	0	0	36	36	0	455	12	45	512	707
07:45 AM	63	92	0	23	178	0	0	0	17	17	0	0	0	10	10	0	452	13	43	508	713
Total	182	324	0	81	587	0	0	0	76	76	0	0	0	77	77	0	1833	59	152	2044	2784
08:00 AM	54	79	0	5	138	0	0	0	16	16	0	0	0	8	8	0	438	7	32	477	639
08:15 AM	48	82	0	23	153	0	0	0	16	16	0	0	0	9	9	0	411	9	66	486	664
Grand Total	352	597	0	138	1087	0	0	0	129	129	0	0	0	115	115	0	3440	111	275	3826	5157
Apprch %	32.4	54.9	0	12.7		0	0	0	100		0	0	0	100		0	89.9	2.9	7.2		
Total %	6.8	11.6	0	2.7	21.1	0	0	0	2.5	2.5	0	0	0	2.2	2.2	0	66.7	2.2	5.3	74.2	

	Richard Street Southbound					King Street Westbound					Richard Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	42	76	0	14	132	0	0	0	**21**	**21**	0	0	0	20	20	0	458	**20**	34	**512**	685
07:15 AM	28	83	0	**24**	135	0	0	0	21	21	0	0	0	11	11	0	**468**	14	30	512	679
07:30 AM	49	73	0	20	142	0	0	0	17	17	0	0	0	**36**	**36**	0	455	12	**45**	512	707
07:45 AM	**63**	**92**	0	23	**178**	0	0	0	17	17	0	0	0	10	10	0	452	13	43	508	**713**
Total Volume	182	324	0	81	587	0	0	0	76	76	0	0	0	77	77	0	1833	59	152	2044	2784
% App. Total	31	55.2	0	13.8		0	0	0	100		0	0	0	100		0	89.7	2.9	7.4		
PHF	.722	.880	.000	.844	.824	.000	.000	.000	.905	.905	.000	.000	.000	.535	.535	.000	.979	.738	.844	.998	.976

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-3889
Counted:JY, ZW
Weather:Clear

File Name : KinRic MIDDAY
Site Code : 00000029
Start Date : 6/2/2008
Page No : 1

Groups Printed- Unshifted

	Richard Street Southbound					King Street Westbound					Richard Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	46	48	0	23	117	0	0	0	27	27	0	0	0	20	20	0	343	16	45	404	568
11:15 AM	54	42	0	36	132	0	0	0	25	25	0	0	0	11	11	0	325	18	53	396	564
11:30 AM	39	63	0	30	132	0	0	0	43	43	0	0	0	44	44	0	332	17	61	410	629
11:45 AM	46	28	0	54	128	0	0	0	39	39	0	0	0	15	15	0	395	13	68	476	658
Total	185	181	0	143	509	0	0	0	134	134	0	0	0	90	90	0	1395	64	227	1686	2419
12:00 PM	49	26	0	54	129	0	0	0	38	38	0	0	0	27	27	0	350	19	51	420	614
12:15 PM	46	44	0	45	135	0	0	0	37	37	0	0	0	53	53	0	372	16	86	474	699
12:30 PM	55	39	0	49	143	0	0	0	38	38	0	0	0	30	30	0	357	25	79	461	672
12:45 PM	70	37	0	40	147	0	0	0	36	36	0	0	0	39	39	0	333	15	70	418	640
Total	220	146	0	188	554	0	0	0	149	149	0	0	0	149	149	0	1412	75	286	1773	2625
Grand Total	405	327	0	331	1063	0	0	0	283	283	0	0	0	239	239	0	2807	139	513	3459	5044
Apprch %	38.1	30.8	0	31.1		0	0	0	100		0	0	0	100		0	81.2	4	14.8		
Total %	8	6.5	0	6.6	21.1	0	0	0	5.6	5.6	0	0	0	4.7	4.7	0	55.7	2.8	10.2	68.6	

	Richard Street Southbound					King Street Westbound					Richard Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	46	28	0	**54**	128	0	0	0	**39**	**39**	0	0	0	15	15	0	**395**	13	68	**476**	658
12:00 PM	49	26	0	54	129	0	0	0	38	38	0	0	0	27	27	0	350	19	51	420	614
12:15 PM	46	**44**	0	45	135	0	0	0	37	37	0	0	0	**53**	**53**	0	372	16	**86**	474	**699**
12:30 PM	**55**	39	0	49	**143**	0	0	0	38	38	0	0	0	30	30	0	357	**25**	79	461	672
Total Volume	196	137	0	202	535	0	0	0	152	152	0	0	0	125	125	0	1474	73	284	1831	2643
% App. Total	36.6	25.6	0	37.8		0	0	0	100		0	0	0	100		0	80.5	4	15.5		
PHF	.891	.778	.000	.935	.935	.000	.000	.000	.974	.974	.000	.000	.000	.590	.590	.000	.933	.730	.826	.962	.945

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

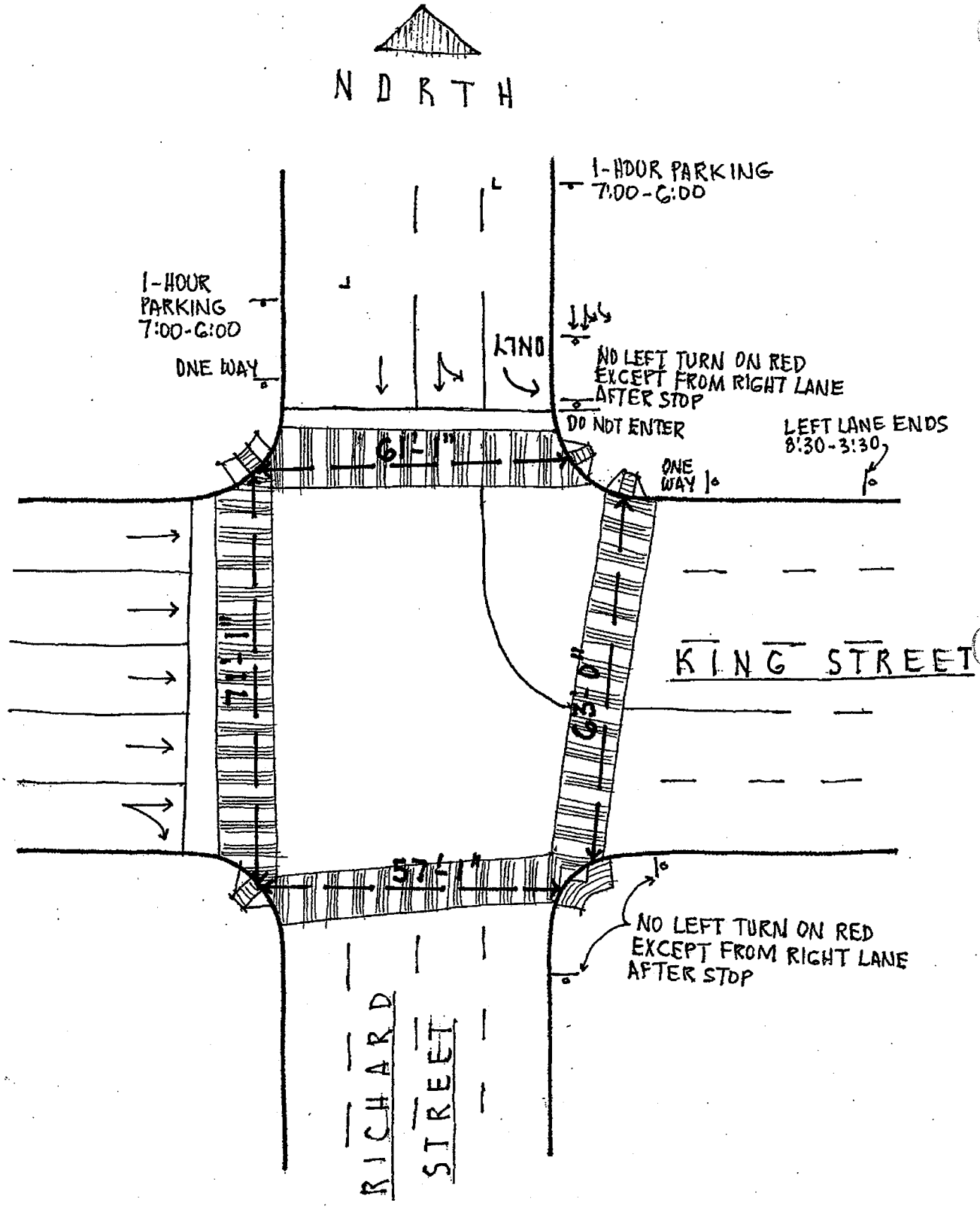
Counter:D4-3889, T-1841
Counted:RY, ZW
Weather:Clear

File Name : KinRic PM
Site Code : 00000029
Start Date : 6/2/2008
Page No : 1

Groups Printed- Unshifted

	Richard Street Southbound					King Street Westbound					Richard Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	76	54	0	16	146	0	0	0	23	23	0	0	0	27	27	0	445	18	45	508	704
04:15 PM	75	53	0	13	141	0	0	0	14	14	0	0	0	28	28	0	450	13	44	507	690
04:30 PM	88	60	0	18	166	0	0	0	12	12	0	0	0	33	33	0	486	9	66	561	772
04:45 PM	93	43	0	12	148	0	0	0	15	15	0	0	0	20	20	0	524	19	48	591	774
Total	332	210	0	59	601	0	0	0	64	64	0	0	0	108	108	0	1905	59	203	2167	2940
05:00 PM	96	63	0	22	181	0	0	0	12	12	0	0	0	28	28	0	545	11	31	587	808
05:15 PM	78	42	0	5	125	0	0	0	14	14	0	0	0	18	18	0	518	11	17	546	703
05:30 PM	68	34	0	19	121	0	0	0	5	5	0	0	0	13	13	0	480	5	25	510	649
05:45 PM	54	28	0	7	89	0	0	0	2	2	0	0	0	16	16	0	431	5	17	453	560
Total	296	167	0	53	516	0	0	0	33	33	0	0	0	75	75	0	1974	32	90	2096	2720
Grand Total	628	377	0	112	1117	0	0	0	97	97	0	0	0	183	183	0	3879	91	293	4263	5660
Apprch %	56.2	33.8	0	10		0	0	0	100		0	0	0	100		0	91	2.1	6.9		
Total %	11.1	6.7	0	2	19.7	0	0	0	1.7	1.7	0	0	0	3.2	3.2	0	68.5	1.6	5.2	75.3	

	Richard Street Southbound					King Street Westbound					Richard Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	88	60	0	18	166	0	0	0	12	12	0	0	0	**33**	**33**	0	486	9	**66**	561	772
04:45 PM	93	43	0	12	148	0	0	0	**15**	**15**	0	0	0	20	20	0	524	**19**	48	**591**	774
05:00 PM	**96**	**63**	0	**22**	**181**	0	0	0	12	12	0	0	0	28	28	0	**545**	11	31	587	**808**
05:15 PM	78	42	0	5	125	0	0	0	14	14	0	0	0	18	18	0	518	11	17	546	703
Total Volume	355	208	0	57	620	0	0	0	53	53	0	0	0	99	99	0	2073	50	162	2285	3057
% App. Total	57.3	33.5	0	9.2		0	0	0	100		0	0	0	100		0	90.7	2.2	7.1		
PHF	.924	.825	.000	.648	.856	.000	.000	.000	.883	.883	.000	.000	.000	.750	.750	.000	.951	.658	.614	.967	.946


NORTH
1-HOUR PARKING
7:00-6:00
1-HOUR
PARKING
7:00-6:00
ONE WAY
ONLY
NO LEFT TURN ON RED
EXCEPT FROM RIGHT LANE
AFTER STOP
DO NOT ENTER
LEFT LANE ENDS
8:30-3:30
ONE
WAY
KING STREET
NO LEFT TURN ON RED
EXCEPT FROM RIGHT LANE
AFTER STOP
RICHARD
STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5674
Counted:JY, JM
Weather:Clear

File Name : KinPun AM
Site Code : 00000030
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					King Street Westbound					Punchbowl Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	116	180	0	8	304	0	0	0	8	8	0	0	0	19	19	27	326	8	27	388	719
06:45 AM	123	226	0	19	368	0	0	0	9	9	0	0	0	13	13	36	361	4	39	440	830
Total	239	406	0	27	672	0	0	0	17	17	0	0	0	32	32	63	687	12	66	828	1549
07:00 AM	129	276	0	18	423	0	0	0	5	5	0	0	0	14	14	38	411	17	35	501	943
07:15 AM	134	275	0	8	417	0	0	0	9	9	0	0	0	7	7	55	388	4	35	482	915
07:30 AM	130	268	0	21	419	0	0	0	2	2	0	0	0	7	7	38	462	7	68	575	1003
07:45 AM	137	285	0	12	434	0	0	0	11	11	0	0	0	15	15	61	473	2	60	596	1056
Total	530	1104	0	59	1693	0	0	0	27	27	0	0	0	43	43	192	1734	30	198	2154	3917
08:00 AM	151	295	0	15	461	0	0	0	6	6	0	0	0	9	9	38	327	7	47	419	895
08:15 AM	137	294	0	15	446	0	0	0	7	7	0	0	0	8	8	43	372	7	53	475	936
Grand Total	1057	2099	0	116	3272	0	0	0	57	57	0	0	0	92	92	336	3120	56	364	3876	7297
Apprch %	32.3	64.2	0	3.5		0	0	0	100		0	0	0	100		8.7	80.5	1.4	9.4		
Total %	14.5	28.8	0	1.6	44.8	0	0	0	0.8	0.8	0	0	0	1.3	1.3	4.6	42.8	0.8	5	53.1	

	Punchbowl Street Southbound					King Street Westbound					Punchbowl Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	129	276	0	18	423	0	0	0	5	5	0	0	0	14	14	38	411	17	35	501	943
07:15 AM	134	275	0	8	417	0	0	0	9	9	0	0	0	7	7	55	388	4	35	482	915
07:30 AM	130	268	0	21	419	0	0	0	2	2	0	0	0	7	7	38	462	7	68	575	1003
07:45 AM	137	285	0	12	434	0	0	0	11	11	0	0	0	15	15	61	473	2	60	596	1056
Total Volume	530	1104	0	59	1693	0	0	0	27	27	0	0	0	43	43	192	1734	30	198	2154	3917
% App. Total	31.3	65.2	0	3.5		0	0	0	100		0	0	0	100		8.9	80.5	1.4	9.2		
PHF	.967	.968	.000	.702	.975	.000	.000	.000	.614	.614	.000	.000	.000	.717	.717	.787	.916	.441	.728	.904	.927

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5674
Counted:JY, JM
Weather:Clear

File Name : KinPun MIDDAY
Site Code : 00000030
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					King Street Westbound					Punchbowl Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	326	386	0	20	732	0	0	0	56	56	0	0	0	38	38	33	295	8	49	385	1211
11:15 AM	284	418	0	24	726	0	0	0	36	36	0	0	0	47	47	45	268	12	41	366	1175
11:30 AM	284	380	0	16	680	0	0	0	44	44	0	0	0	35	35	64	273	15	55	407	1166
11:45 AM	238	414	0	50	702	0	0	0	30	30	0	0	0	41	41	55	305	22	39	421	1194
Total	1132	1598	0	110	2840	0	0	0	166	166	0	0	0	161	161	197	1141	57	184	1579	4746
12:00 PM	246	354	0	56	656	0	0	0	54	54	0	0	0	49	49	49	278	14	48	389	1148
12:15 PM	244	394	0	62	700	0	0	0	40	40	0	0	0	38	38	37	317	18	59	431	1209
12:30 PM	218	404	0	50	672	0	0	0	36	36	0	0	0	36	36	41	299	11	51	402	1146
12:45 PM	274	418	0	30	722	0	0	0	38	38	0	0	0	31	31	32	273	13	44	362	1153
Total	982	1570	0	198	2750	0	0	0	168	168	0	0	0	154	154	159	1167	56	202	1584	4656
Grand Total	2114	3168	0	308	5590	0	0	0	334	334	0	0	0	315	315	356	2308	113	386	3163	9402
Apprch %	37.8	56.7	0	5.5		0	0	0	100		0	0	0	100		11.3	73	3.6	12.2		
Total %	22.5	33.7	0	3.3	59.5	0	0	0	3.6	3.6	0	0	0	3.4	3.4	3.8	24.5	1.2	4.1	33.6	

	Punchbowl Street Southbound					King Street Westbound					Punchbowl Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	**326**	386	0	20	**732**	0	0	0	**56**	**56**	0	0	0	38	38	33	295	8	49	385	**1211**
11:15 AM	284	**418**	0	24	726	0	0	0	36	36	0	0	0	**47**	**47**	45	268	12	41	366	1175
11:30 AM	284	380	0	16	680	0	0	0	44	44	0	0	0	35	35	**64**	273	15	**55**	407	1166
11:45 AM	238	414	0	**50**	702	0	0	0	30	30	0	0	0	41	41	55	**305**	**22**	39	**421**	1194
Total Volume	1132	1598	0	110	2840	0	0	0	166	166	0	0	0	161	161	197	1141	57	184	1579	4746
% App. Total	39.9	56.3	0	3.9		0	0	0	100		0	0	0	100		12.5	72.3	3.6	11.7		
PHF	.868	.956	.000	.550	.970	.000	.000	.000	.741	.741	.000	.000	.000	.856	.856	.770	.935	.648	.836	.938	.980

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

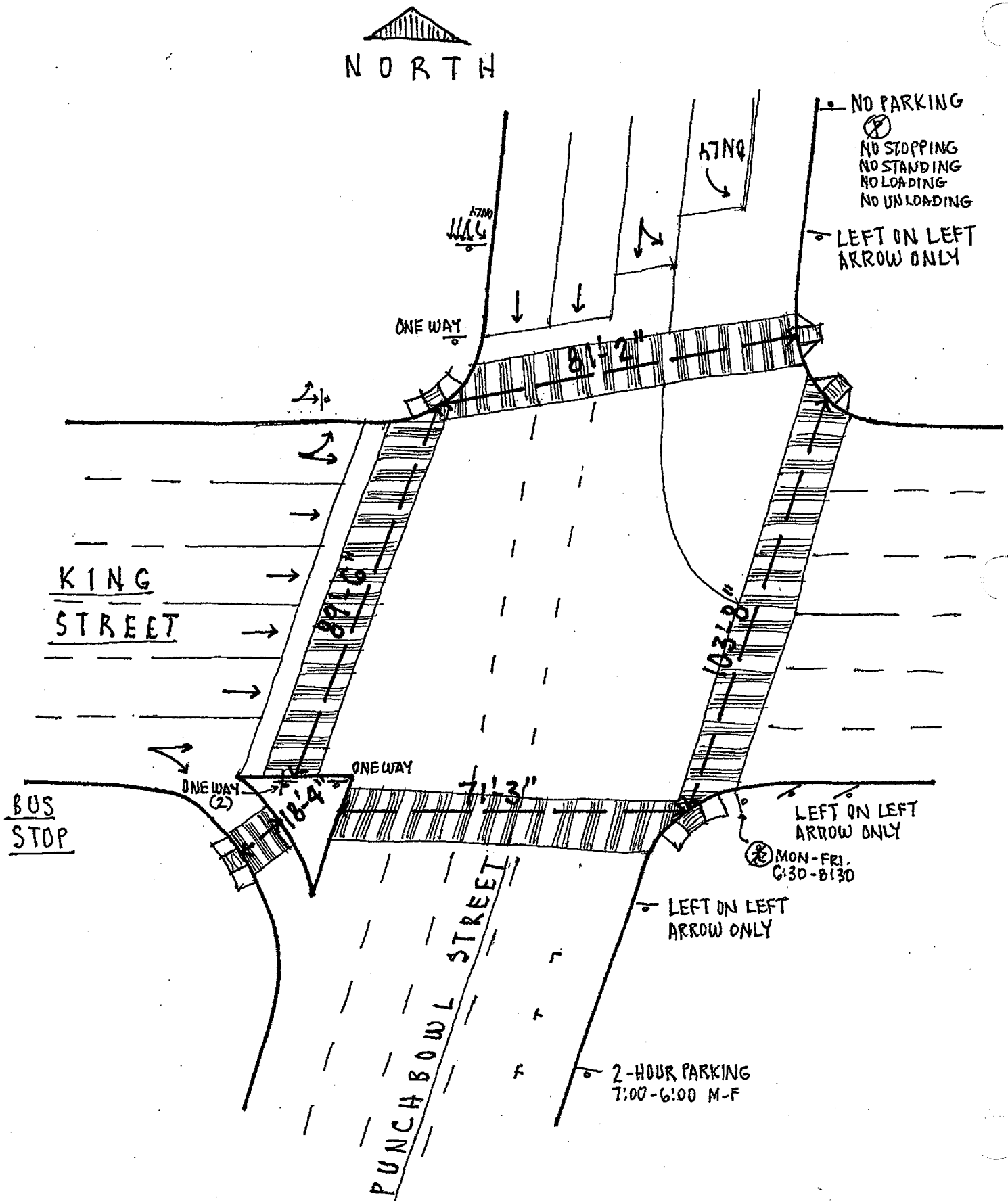
Counter:D4-3891, D4-5674
Counted:JY, JM
Weather:Clear

File Name : KinPun PM
Site Code : 00000030
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					King Street Westbound					Punchbowl Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	122	136	0	13	271	0	0	0	3	3	0	0	0	40	40	86	526	16	97	725	1039
04:15 PM	128	137	0	13	278	0	0	0	5	5	0	0	0	6	6	76	571	14	69	730	1019
04:30 PM	156	167	0	14	337	0	0	0	16	16	0	0	0	26	26	104	592	27	134	857	1236
04:45 PM	164	171	0	9	344	0	0	0	4	4	0	0	0	10	10	89	564	5	88	746	1104
Total	570	611	0	49	1230	0	0	0	28	28	0	0	0	82	82	355	2253	62	388	3058	4398
05:00 PM	128	132	0	19	279	0	0	0	6	6	0	0	0	18	18	110	576	21	37	744	1047
05:15 PM	123	145	0	9	277	0	0	0	1	1	0	0	0	1	1	106	678	13	32	829	1108
05:30 PM	131	100	0	6	237	0	0	0	1	1	0	0	0	9	9	94	550	5	33	682	929
05:45 PM	146	115	0	5	266	0	0	0	1	1	0	0	0	6	6	92	531	12	28	663	936
Total	528	492	0	39	1059	0	0	0	9	9	0	0	0	34	34	402	2335	51	130	2918	4020
Grand Total	1098	1103	0	88	2289	0	0	0	37	37	0	0	0	116	116	757	4588	113	518	5976	8418
Apprch %	48	48.2	0	3.8		0	0	0	100		0	0	0	100		12.7	76.8	1.9	8.7		
Total %	13	13.1	0	1	27.2	0	0	0	0.4	0.4	0	0	0	1.4	1.4	9	54.5	1.3	6.2	71	

	Punchbowl Street Southbound					King Street Westbound					Punchbowl Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	156	167	0	14	337	0	0	0	**16**	**16**	0	0	0	**26**	**26**	104	592	**27**	**134**	**857**	**1236**
04:45 PM	**164**	**171**	0	9	**344**	0	0	0	4	4	0	0	0	10	10	89	564	5	88	746	1104
05:00 PM	128	132	0	**19**	279	0	0	0	6	6	0	0	0	18	18	**110**	576	21	37	744	1047
05:15 PM	123	145	0	9	277	0	0	0	1	1	0	0	0	1	1	106	**678**	13	32	829	1108
Total Volume	571	615	0	51	1237	0	0	0	27	27	0	0	0	55	55	409	2410	66	291	3176	4495
% App. Total	46.2	49.7	0	4.1		0	0	0	100		0	0	0	100		12.9	75.9	2.1	9.2		
PHF	.870	.899	.000	.671	.899	.000	.000	.000	.422	.422	.000	.000	.000	.529	.529	.930	.889	.611	.543	.926	.909


NORTH
NO PARKING
NO STOPPING
NO STANDING
NO LOADING
NO UNLOADING
LEFT ON LEFT ARROW ONLY
ONE WAY
81'-2"
KING STREET
89'-6"
103'-8"
ONE WAY
ONE WAY (2)
18'-4"
71'-3"
BUS STOP
LEFT ON LEFT ARROW ONLY
MON-FRI. 6:30-8:30
LEFT ON LEFT ARROW ONLY
PUNCHBOWL STREET
2-HOUR PARKING 7:00-6:00 M-F

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889
Counted:DY
Weather:Clear

File Name : HotMau AM
Site Code : 00000032
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Maunakea Street Southbound					Hotel Street Westbound					Maunakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	1	78	0	55	134	0	7	0	30	37	0	0	0	46	46	0	5	0	85	90	307
04:15 PM	1	99	0	63	163	1	11	0	31	43	0	0	0	67	67	0	14	1	88	103	376
04:30 PM	1	66	0	60	127	0	7	0	33	40	0	0	0	49	49	0	8	1	65	74	290
04:45 PM	0	71	1	37	109	0	7	0	25	32	0	0	0	54	54	1	10	0	66	77	272
Total	3	314	1	215	533	1	32	0	119	152	0	0	0	216	216	1	37	2	304	344	1245
05:00 PM	1	102	0	46	149	0	14	0	45	59	0	0	0	62	62	0	17	0	75	92	362
05:15 PM	1	76	0	47	124	0	4	0	25	29	0	0	0	41	41	0	9	0	69	78	272
05:30 PM	2	86	2	26	116	2	11	0	28	41	0	0	0	27	27	0	10	0	34	44	228
05:45 PM	1	82	1	32	116	0	6	0	24	30	0	0	0	20	20	0	9	0	39	48	214
Total	5	346	3	151	505	2	35	0	122	159	0	0	0	150	150	0	45	0	217	262	1076
Grand Total	8	660	4	366	1038	3	67	0	241	311	0	0	0	366	366	1	82	2	521	606	2321
Apprch %	0.8	63.6	0.4	35.3		1	21.5	0	77.5		0	0	0	100		0.2	13.5	0.3	86		
Total %	0.3	28.4	0.2	15.8	44.7	0.1	2.9	0	10.4	13.4	0	0	0	15.8	15.8	0	3.5	0.1	22.4	26.1	

	Maunakea Street Southbound					Hotel Street Westbound					Maunakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	**1**	99	0	**63**	**163**	**1**	11	0	31	43	0	0	0	**67**	**67**	0	14	**1**	**88**	**103**	**376**
04:30 PM	1	66	0	60	127	0	7	0	33	40	0	0	0	49	49	0	8	1	65	74	290
04:45 PM	0	71	1	37	109	0	7	0	25	32	0	0	0	54	54	**1**	10	0	66	77	272
05:00 PM	**1**	**102**	0	46	149	0	**14**	0	**45**	**59**	0	0	0	62	62	0	**17**	0	75	92	362
Total Volume	3	338	1	206	548	1	39	0	134	174	0	0	0	232	232	1	49	2	294	346	1300
% App. Total	0.5	61.7	0.2	37.6		0.6	22.4	0	77		0	0	0	100		0.3	14.2	0.6	85		
PHF	.750	.828	.250	.817	.840	.250	.696	.000	.744	.737	.000	.000	.000	.866	.866	.250	.721	.500	.835	.840	.864

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889
Counted:DY
Weather:Clear

File Name : HotMau MIDDAY
Site Code : 00000032
Start Date : 5/22/2008
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Groups Printed- Unshifted

	Maunakea Street Southbound					Hotel Street Westbound					Maunakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	1	103	0	73	177	1	7	0	63	71	0	0	0	90	90	0	8	1	121	130	468
11:15 AM	1	133	0	102	236	1	5	0	62	68	0	0	0	61	61	0	9	0	113	122	487
11:30 AM	1	124	0	84	209	1	6	0	47	54	0	0	0	81	81	0	9	1	93	103	447
11:45 AM	0	97	1	95	193	0	8	0	58	66	0	0	0	71	71	0	12	0	114	126	456
Total	3	457	1	354	815	3	26	0	230	259	0	0	0	303	303	0	38	2	441	481	1858
12:00 PM	2	123	1	124	250	0	6	0	57	63	0	0	0	75	75	0	7	1	108	116	504
12:15 PM	1	103	0	118	222	2	8	0	66	76	0	0	0	77	77	0	12	1	126	139	514
12:30 PM	1	124	1	95	221	2	7	0	45	54	0	0	0	94	94	0	9	0	121	130	499
12:45 PM	0	94	0	98	192	0	7	0	53	60	0	0	0	71	71	0	9	0	141	150	473
Total	4	444	2	435	885	4	28	0	221	253	0	0	0	317	317	0	37	2	496	535	1990
Grand Total	7	901	3	789	1700	7	54	0	451	512	0	0	0	620	620	0	75	4	937	1016	3848
Apprch %	0.4	53	0.2	46.4		1.4	10.5	0	88.1		0	0	0	100		0	7.4	0.4	92.2		
Total %	0.2	23.4	0.1	20.5	44.2	0.2	1.4	0	11.7	13.3	0	0	0	16.1	16.1	0	1.9	0.1	24.4	26.4	

	Maunakea Street Southbound					Hotel Street Westbound					Maunakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	**2**	123	**1**	**124**	**250**	0	6	0	57	63	0	0	0	75	75	0	7	1	108	116	504
12:15 PM	1	103	0	118	222	**2**	**8**	0	**66**	**76**	0	0	0	77	77	0	**12**	1	126	139	**514**
12:30 PM	1	**124**	1	95	221	2	7	0	45	54	0	0	0	**94**	**94**	0	9	0	121	130	499
12:45 PM	0	94	0	98	192	0	7	0	53	60	0	0	0	71	71	0	9	0	**141**	**150**	473
Total Volume	4	444	2	435	885	4	28	0	221	253	0	0	0	317	317	0	37	2	496	535	1990
% App. Total	0.5	50.2	0.2	49.2		1.6	11.1	0	87.4		0	0	0	100		0	6.9	0.4	92.7		
PHF	.500	.895	.500	.877	.885	.500	.875	.000	.837	.832	.000	.000	.000	.843	.843	.000	.771	.500	.879	.892	.968

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889
Counted:DY
Weather:Clear

File Name : HotMau PM
Site Code : 00000032
Start Date : 5/22/2008
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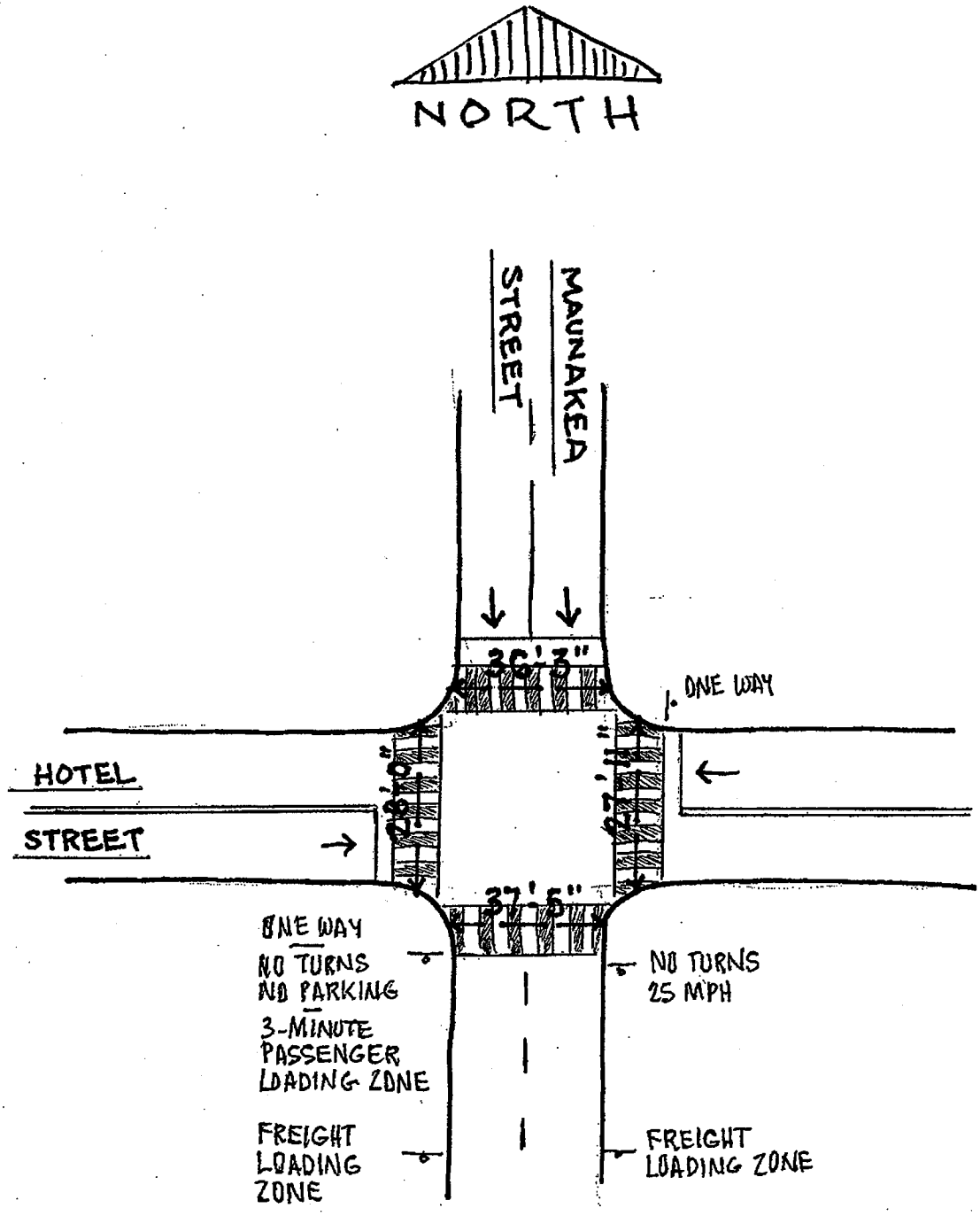
Groups Printed- Unshifted

	Maunakea Street Southbound					Hotel Street Westbound					Maunakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	1	78	0	55	134	0	7	0	30	37	0	0	0	46	46	0	5	0	85	90	307
04:15 PM	1	99	0	63	163	1	11	0	31	43	0	0	0	67	67	0	14	1	88	103	376
04:30 PM	1	66	0	60	127	0	7	0	33	40	0	0	0	49	49	0	8	1	65	74	290
04:45 PM	0	71	1	37	109	0	7	0	25	32	0	0	0	54	54	1	10	0	66	77	272
Total	3	314	1	215	533	1	32	0	119	152	0	0	0	216	216	1	37	2	304	344	1245
05:00 PM	1	102	0	46	149	0	14	0	45	59	0	0	0	62	62	0	17	0	75	92	362
05:15 PM	1	76	0	47	124	0	4	0	25	29	0	0	0	41	41	0	9	0	69	78	272
05:30 PM	2	86	2	26	116	2	11	0	28	41	0	0	0	27	27	0	10	0	34	44	228
05:45 PM	1	82	1	32	116	0	6	0	24	30	0	0	0	20	20	0	9	0	39	48	214
Total	5	346	3	151	505	2	35	0	122	159	0	0	0	150	150	0	45	0	217	262	1076
Grand Total	8	660	4	366	1038	3	67	0	241	311	0	0	0	366	366	1	82	2	521	606	2321
Apprch %	0.8	63.6	0.4	35.3		1	21.5	0	77.5		0	0	0	100		0.2	13.5	0.3	86		
Total %	0.3	28.4	0.2	15.8	44.7	0.1	2.9	0	10.4	13.4	0	0	0	15.8	15.8	0	3.5	0.1	22.4	26.1	

	Maunakea Street Southbound					Hotel Street Westbound					Maunakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	**1**	99	0	**63**	**163**	**1**	11	0	31	43	0	0	0	**67**	**67**	0	14	**1**	**88**	**103**	**376**
04:30 PM	1	66	0	60	127	0	7	0	33	40	0	0	0	49	49	0	8	1	65	74	290
04:45 PM	0	71	1	37	109	0	7	0	25	32	0	0	0	54	54	1	10	0	66	77	272
05:00 PM	1	**102**	0	46	149	0	**14**	0	**45**	**59**	0	0	0	62	62	0	**17**	0	75	92	362
Total Volume	3	338	1	206	548	1	39	0	134	174	0	0	0	232	232	1	49	2	294	346	1300
% App. Total	0.5	61.7	0.2	37.6		0.6	22.4	0	77		0	0	0	100		0.3	14.2	0.6	85		
PHF	.750	.828	.250	.817	.840	.250	.696	.000	.744	.737	.000	.000	.000	.866	.866	.250	.721	.500	.835	.840	.864


NORTH
MAUNAKEA
STREET
26'-3"
ONE WAY
HOTEL
STREET
28'-0"
27'-11"
37'-5"
ONE WAY
NO TURNS
NO PARKING
3-MINUTE
PASSENGER
LOADING ZONE
FREIGHT
LOADING
ZONE
NO TURNS
25 MPH
FREIGHT
LOADING ZONE

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839
Counted:ZW
Weather:Clear

File Name : HotNuu AM
Site Code : 00000034
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Hotel Street Westbound					Nuuanu Avenue Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	137	0	7	144	0	5	0	0	5	0	0	0	14	14	0	15	0	10	25	188
06:45 AM	0	170	0	15	185	0	7	0	3	10	0	0	0	20	20	0	12	0	4	16	231
Total	0	307	0	22	329	0	12	0	3	15	0	0	0	34	34	0	27	0	14	41	419
07:00 AM	2	195	1	12	210	0	5	0	9	14	0	0	0	21	21	0	10	0	9	19	264
07:15 AM	1	210	0	17	228	0	6	0	19	25	0	0	1	13	14	0	9	0	11	20	287
07:30 AM	0	228	1	16	245	0	6	0	12	18	0	0	0	15	15	1	11	0	9	21	299
07:45 AM	0	240	0	10	250	0	8	0	11	19	0	0	0	22	22	0	16	0	13	29	320
Total	3	873	2	55	933	0	25	0	51	76	0	0	1	71	72	1	46	0	42	89	1170
08:00 AM	0	201	1	11	213	0	12	0	13	25	0	0	0	18	18	0	10	0	11	21	277
08:15 AM	0	198	0	15	213	0	5	0	12	17	0	0	0	20	20	0	6	0	14	20	270
Grand Total	3	1579	3	103	1688	0	54	0	79	133	0	0	1	143	144	1	89	0	81	171	2136
Apprch %	0.2	93.5	0.2	6.1		0	40.6	0	59.4		0	0	0.7	99.3		0.6	52	0	47.4		
Total %	0.1	73.9	0.1	4.8	79	0	2.5	0	3.7	6.2	0	0	0	6.7	6.7	0	4.2	0	3.8	8	

	Nuuanu Avenue Southbound					Hotel Street Westbound					Nuuanu Avenue Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	1	210	0	17	228	0	6	0	19	25	0	0	1	13	14	0	9	0	11	20	287
07:30 AM	0	228	1	16	245	0	6	0	12	18	0	0	0	15	15	1	11	0	9	21	299
07:45 AM	0	240	0	10	250	0	8	0	11	19	0	0	0	22	22	0	16	0	13	29	320
08:00 AM	0	201	1	11	213	0	12	0	13	25	0	0	0	18	18	0	10	0	11	21	277
Total Volume	1	879	2	54	936	0	32	0	55	87	0	0	1	68	69	1	46	0	44	91	1183
% App. Total	0.1	93.9	0.2	5.8		0	36.8	0	63.2		0	0	1.4	98.6		1.1	50.5	0	48.4		
PHF	.250	.916	.500	.794	.936	.000	.667	.000	.724	.870	.000	.000	.250	.773	.784	.250	.719	.000	.846	.784	.924

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839
Counted:ZW
Weather:Clear

File Name : HotNuu MIDDAY
Site Code : 00000034
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Hotel Street Westbound					Nuuanu Avenue Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	169	0	42	211	0	5	0	24	29	0	0	0	46	46	0	6	0	11	17	303
11:15 AM	1	205	1	39	246	2	4	1	38	45	0	0	0	41	41	1	8	0	9	18	350
11:30 AM	1	141	1	66	209	0	6	0	49	55	0	0	0	77	77	1	10	0	47	58	399
11:45 AM	0	147	0	80	227	1	6	0	43	50	0	0	0	68	68	0	12	0	22	34	379
Total	2	662	2	227	893	3	21	1	154	179	0	0	0	232	232	2	36	0	89	127	1431
12:00 PM	1	140	1	59	201	0	4	0	32	36	0	0	0	71	71	0	4	0	34	38	346
12:15 PM	1	100	1	57	159	0	7	0	15	22	0	0	0	78	78	0	10	0	23	33	292
12:30 PM	0	131	0	58	189	1	3	0	15	19	0	0	0	75	75	5	7	1	40	53	336
12:45 PM	0	118	0	52	170	1	1	1	18	21	0	0	0	85	85	0	8	0	36	44	320
Total	2	489	2	226	719	2	15	1	80	98	0	0	0	309	309	5	29	1	133	168	1294
Grand Total	4	1151	4	453	1612	5	36	2	234	277	0	0	0	541	541	7	65	1	222	295	2725
Apprch %	0.2	71.4	0.2	28.1		1.8	13	0.7	84.5		0	0	0	100		2.4	22	0.3	75.3		
Total %	0.1	42.2	0.1	16.6	59.2	0.2	1.3	0.1	8.6	10.2	0	0	0	19.9	19.9	0.3	2.4	0	8.1	10.8	

	Nuuanu Avenue Southbound					Hotel Street Westbound					Nuuanu Avenue Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	**1**	**205**	**1**	39	**246**	**2**	4	**1**	38	45	0	0	0	41	41	1	8	0	9	18	350
11:30 AM	1	141	1	66	209	0	**6**	0	**49**	**55**	0	0	0	**77**	**77**	1	10	0	**47**	**58**	**399**
11:45 AM	0	147	0	**80**	227	**1**	6	0	43	50	0	0	0	68	68	0	**12**	0	22	34	379
12:00 PM	1	140	**1**	59	201	0	4	0	32	36	0	0	0	71	71	0	4	0	34	38	346
Total Volume	3	633	3	244	883	3	20	1	162	186	0	0	0	257	257	2	34	0	112	148	1474
% App. Total	0.3	71.7	0.3	27.6		1.6	10.8	0.5	87.1		0	0	0	100		1.4	23	0	75.7		
PHF	.750	.772	.750	.763	.897	.375	.833	.250	.827	.845	.000	.000	.000	.834	.834	.500	.708	.000	.596	.638	.924

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

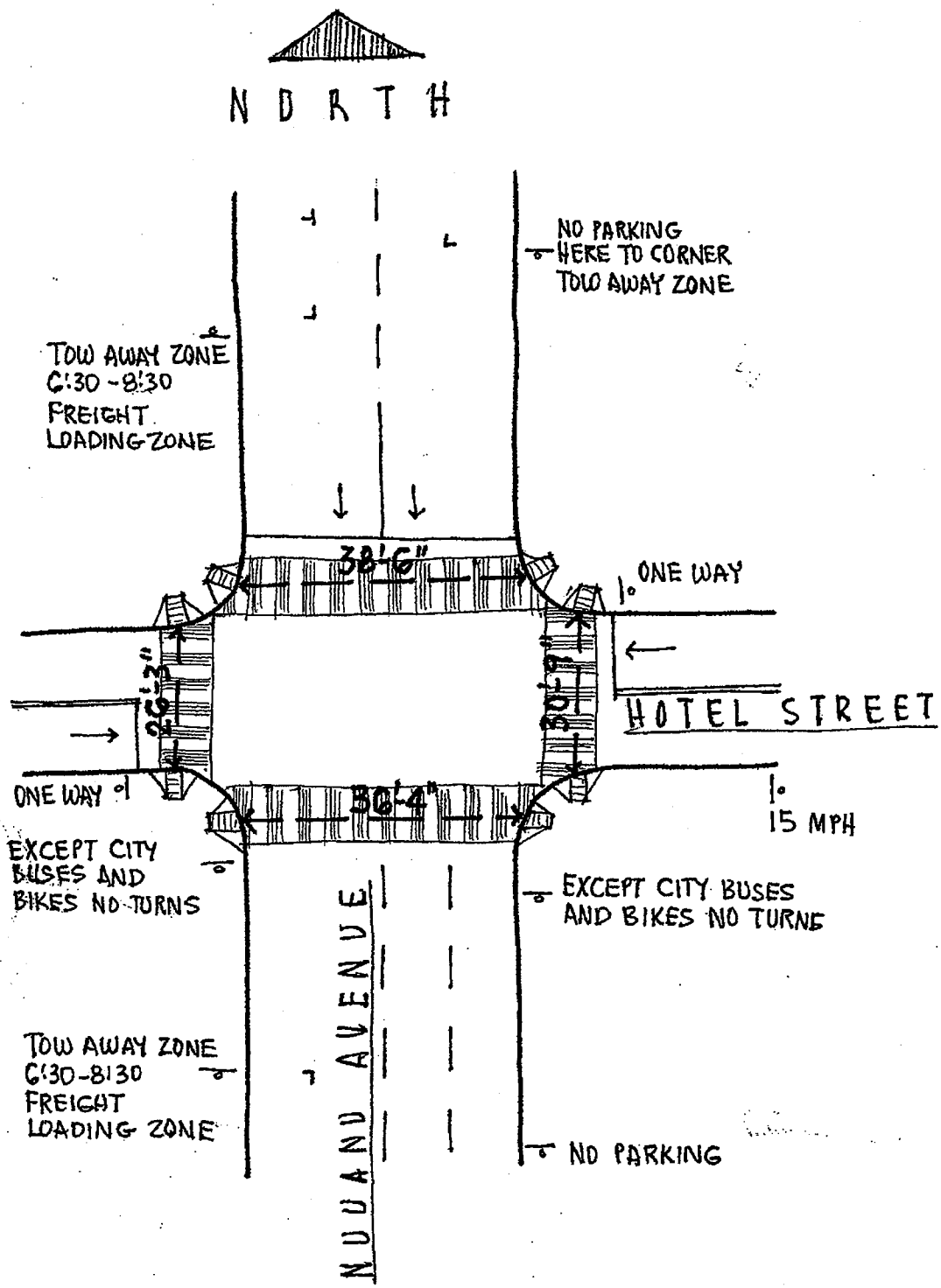
Counter:T-1839
Counted:ZW
Weather:Clear

File Name : HotNuu PM
Site Code : 00000034
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Hotel Street Westbound					Nuuanu Avenue Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	150	0	37	187	0	7	0	13	20	0	0	0	39	39	0	9	0	26	35	281
04:15 PM	1	144	1	27	173	0	5	0	19	24	0	0	0	27	27	0	12	0	16	28	252
04:30 PM	0	170	1	11	182	0	7	0	16	23	0	0	0	35	35	0	9	1	31	41	281
04:45 PM	0	174	1	21	196	0	5	0	22	27	0	0	0	37	37	0	11	1	26	38	298
Total	1	638	3	96	738	0	24	0	70	94	0	0	0	138	138	0	41	2	99	142	1112
05:00 PM	0	177	0	32	209	0	14	1	22	37	0	0	0	32	32	0	18	0	24	42	320
05:15 PM	0	144	0	15	159	0	4	0	26	30	0	0	0	24	24	0	13	0	14	27	240
05:30 PM	2	153	2	19	176	1	9	0	17	27	0	0	0	32	32	0	7	1	19	27	262
05:45 PM	0	155	0	11	166	0	7	0	15	22	0	0	0	30	30	0	15	2	17	34	252
Total	2	629	2	77	710	1	34	1	80	116	0	0	0	118	118	0	53	3	74	130	1074
Grand Total	3	1267	5	173	1448	1	58	1	150	210	0	0	0	256	256	0	94	5	173	272	2186
Apprch %	0.2	87.5	0.3	11.9		0.5	27.6	0.5	71.4		0	0	0	100		0	34.6	1.8	63.6		
Total %	0.1	58	0.2	7.9	66.2	0	2.7	0	6.9	9.6	0	0	0	11.7	11.7	0	4.3	0.2	7.9	12.4	

	Nuuanu Avenue Southbound					Hotel Street Westbound					Nuuanu Avenue Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	1	144	1	27	173	0	5	0	19	24	0	0	0	27	27	0	12	0	16	28	252
04:30 PM	0	170	1	11	182	0	7	0	16	23	0	0	0	35	35	0	9	1	31	41	281
04:45 PM	0	174	1	21	196	0	5	0	22	27	0	0	0	37	37	0	11	1	26	38	298
05:00 PM	0	177	0	32	209	0	14	1	22	37	0	0	0	32	32	0	18	0	24	42	320
Total Volume	1	665	3	91	760	0	31	1	79	111	0	0	0	131	131	0	50	2	97	149	1151
% App. Total	0.1	87.5	0.4	12		0	27.9	0.9	71.2		0	0	0	100		0	33.6	1.3	65.1		
PHF	.250	.939	.750	.711	.909	.000	.554	.250	.898	.750	.000	.000	.000	.885	.885	.000	.694	.500	.782	.887	.899


NORTH
NO PARKING
HERE TO CORNER
TOW AWAY ZONE
TOW AWAY ZONE
6:30 - 8:30
FREIGHT
LOADING ZONE
38'-6"
ONE WAY
26'-3"
30'-9"
HOTEL STREET
ONE WAY
38'-4"
15 MPH
EXCEPT CITY
BUSES AND
BIKES NO TURNS
EXCEPT CITY BUSES
AND BIKES NO TURNS
NUUANU AVENUE
TOW AWAY ZONE
6:30-8:30
FREIGHT
LOADING ZONE
NO PARKING

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890
Counted:JY
Weather:Clear

File Name : HotBet AM
Site Code : 00000035
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Bethel Street Southbound					Hotel Street Westbound					Bethel Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	26	26	0	8	0	16	24	0	56	0	22	78	2	14	0	12	28	156
06:45 AM	0	0	0	23	23	0	7	0	23	30	0	57	0	38	95	0	13	0	9	22	170
Total	0	0	0	49	49	0	15	0	39	54	0	113	0	60	173	2	27	0	21	50	326
07:00 AM	0	0	0	14	14	0	5	0	12	17	0	53	0	26	79	2	11	0	12	25	135
07:15 AM	0	0	0	27	27	0	8	0	23	31	1	71	0	18	90	3	11	0	20	34	182
07:30 AM	0	0	0	22	22	0	8	0	20	28	0	89	0	32	121	0	10	0	10	20	191
07:45 AM	0	0	0	26	26	0	6	0	31	37	0	82	4	49	135	0	16	0	16	32	230
Total	0	0	0	89	89	0	27	0	86	113	1	295	4	125	425	5	48	0	58	111	738
08:00 AM	0	0	0	20	20	0	11	0	28	39	0	68	0	36	104	0	14	0	24	38	201
08:15 AM	0	0	0	31	31	0	8	0	27	35	0	94	1	36	131	0	8	0	18	26	223
Grand Total	0	0	0	189	189	0	61	0	180	241	1	570	5	257	833	7	97	0	121	225	1488
Apprch %	0	0	0	100		0	25.3	0	74.7		0.1	68.4	0.6	30.9		3.1	43.1	0	53.8		
Total %	0	0	0	12.7	12.7	0	4.1	0	12.1	16.2	0.1	38.3	0.3	17.3	56	0.5	6.5	0	8.1	15.1	

	Bethel Street Southbound					Hotel Street Westbound					Bethel Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	0	0	22	22	0	8	0	20	28	0	89	0	32	121	0	10	0	10	20	191
07:45 AM	0	0	0	26	26	0	6	0	**31**	37	0	82	**4**	**49**	**135**	0	**16**	0	16	32	**230**
08:00 AM	0	0	0	20	20	0	**11**	0	28	**39**	0	68	0	36	104	0	14	0	**24**	**38**	201
08:15 AM	0	0	0	**31**	**31**	0	8	0	27	35	0	**94**	1	36	131	0	8	0	18	26	223
Total Volume	0	0	0	99	99	0	33	0	106	139	0	333	5	153	491	0	48	0	68	116	845
% App. Total	0	0	0	100		0	23.7	0	76.3		0	67.8	1	31.2		0	41.4	0	58.6		
PHF	.000	.000	.000	.798	.798	.000	.750	.000	.855	.891	.000	.886	.313	.781	.909	.000	.750	.000	.708	.763	.918

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890
Counted:JY
Weather:Clear

File Name : HotBet MIDDAY
Site Code : 00000035
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Bethel Street Southbound					Hotel Street Westbound					Bethel Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	70	70	0	6	0	25	31	1	79	1	90	171	0	8	0	33	41	313
11:15 AM	0	1	0	68	69	0	6	2	44	52	2	89	0	72	163	1	8	0	27	36	320
11:30 AM	0	0	0	86	86	0	6	0	39	45	2	118	0	81	201	0	7	0	25	32	364
11:45 AM	0	0	0	106	106	0	11	0	48	59	1	95	1	111	208	1	10	0	40	51	424
Total	0	1	0	330	331	0	29	2	156	187	6	381	2	354	743	2	33	0	125	160	1421
12:00 PM	0	0	4	91	95	0	5	0	50	55	0	103	0	99	202	0	6	1	43	50	402
12:15 PM	0	0	0	89	89	0	9	1	34	44	1	103	2	99	205	0	6	0	27	33	371
12:30 PM	0	0	0	74	74	0	7	0	47	54	1	79	0	90	170	0	8	0	29	37	335
12:45 PM	0	0	0	88	88	0	6	1	28	35	3	86	1	109	199	0	5	0	27	32	354
Total	0	0	4	342	346	0	27	2	159	188	5	371	3	397	776	0	25	1	126	152	1462
Grand Total	0	1	4	672	677	0	56	4	315	375	11	752	5	751	1519	2	58	1	251	312	2883
Apprch %	0	0.1	0.6	99.3		0	14.9	1.1	84		0.7	49.5	0.3	49.4		0.6	18.6	0.3	80.4		
Total %	0	0	0.1	23.3	23.5	0	1.9	0.1	10.9	13	0.4	26.1	0.2	26	52.7	0.1	2	0	8.7	10.8	

	Bethel Street Southbound					Hotel Street Westbound					Bethel Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	0	0	0	86	86	0	6	0	39	45	2	118	0	81	201	0	7	0	25	32	364
11:45 AM	0	0	0	106	106	0	11	0	48	59	1	95	1	111	208	1	10	0	40	51	424
12:00 PM	0	0	4	91	95	0	5	0	50	55	0	103	0	99	202	0	6	1	43	50	402
12:15 PM	0	0	0	89	89	0	9	1	34	44	1	103	2	99	205	0	6	0	27	33	371
Total Volume	0	0	4	372	376	0	31	1	171	203	4	419	3	390	816	1	29	1	135	166	1561
% App. Total	0	0	1.1	98.9		0	15.3	0.5	84.2		0.5	51.3	0.4	47.8		0.6	17.5	0.6	81.3		
PHF	.000	.000	.250	.877	.887	.000	.705	.250	.855	.860	.500	.888	.375	.878	.981	.250	.725	.250	.785	.814	.920

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

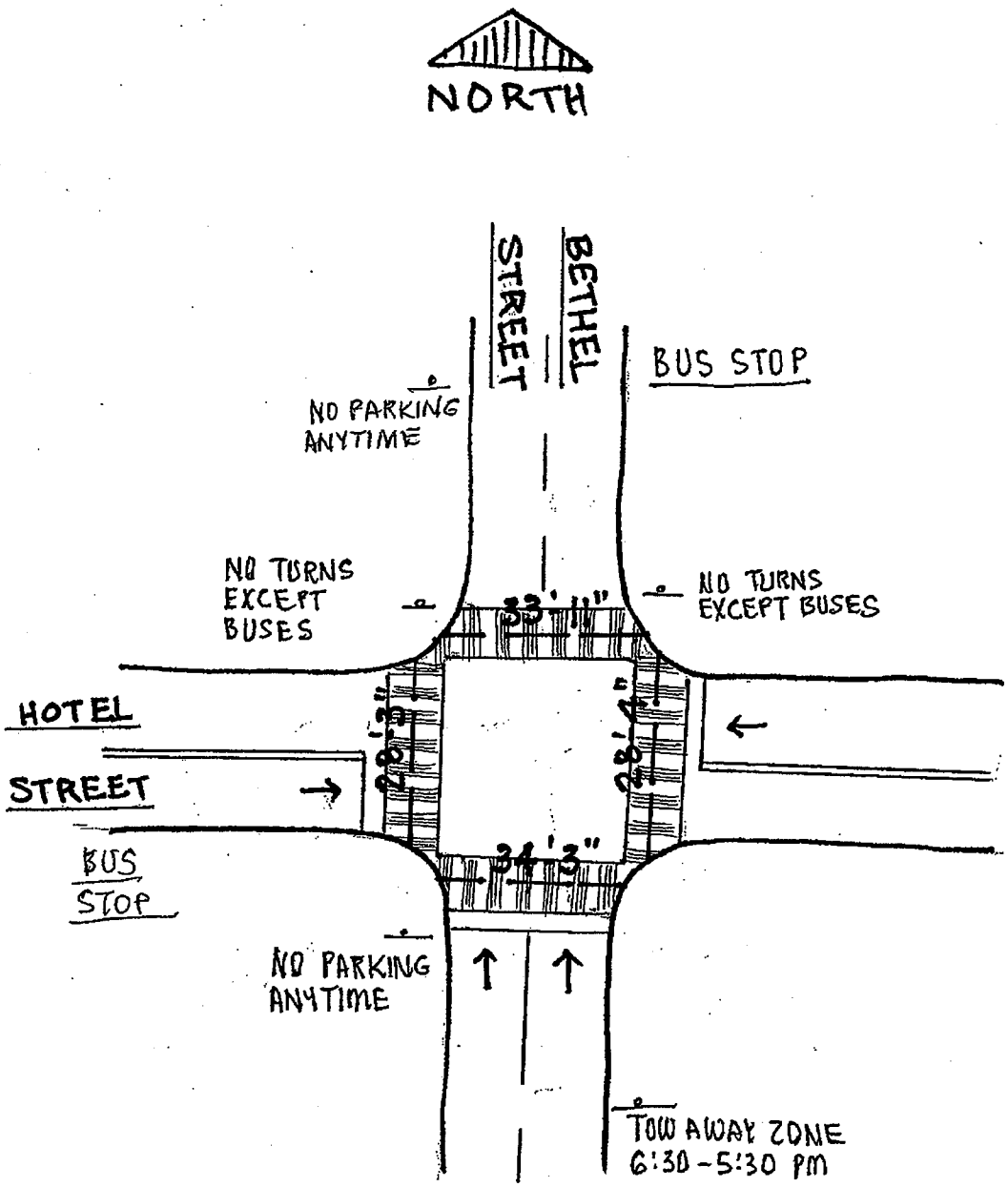
Counter:D4-3890
Counted:JY
Weather:Clear

File Name : HotBet PM
Site Code : 00000035
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Bethel Street Southbound					Hotel Street Westbound					Bethel Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	33	33	4	6	0	7	17	0	206	0	72	278	2	5	0	21	28	356
04:15 PM	0	0	0	46	46	0	11	2	4	17	0	168	1	45	214	1	12	1	11	25	302
04:30 PM	0	0	0	52	52	0	8	0	41	49	1	222	0	70	293	0	10	0	26	36	430
04:45 PM	0	0	0	37	37	0	7	2	26	35	0	211	0	65	276	0	8	0	21	29	377
Total	0	0	0	168	168	4	32	4	78	118	1	807	1	252	1061	3	35	1	79	118	1465
05:00 PM	0	0	0	45	45	0	16	0	36	52	2	231	1	34	268	0	14	0	32	46	411
05:15 PM	0	0	0	39	39	0	4	0	8	12	0	192	1	54	247	1	11	0	15	27	325
05:30 PM	0	0	0	34	34	0	8	0	14	22	3	199	0	54	256	0	11	0	19	30	342
05:45 PM	0	0	0	28	28	0	12	0	18	30	0	216	0	27	243	3	16	0	20	39	340
Total	0	0	0	146	146	0	40	0	76	116	5	838	2	169	1014	4	52	0	86	142	1418
Grand Total	0	0	0	314	314	4	72	4	154	234	6	1645	3	421	2075	7	87	1	165	260	2883
Apprch %	0	0	0	100		1.7	30.8	1.7	65.8		0.3	79.3	0.1	20.3		2.7	33.5	0.4	63.5		
Total %	0	0	0	10.9	10.9	0.1	2.5	0.1	5.3	8.1	0.2	57.1	0.1	14.6	72	0.2	3	0	5.7	9	

	Bethel Street Southbound					Hotel Street Westbound					Bethel Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	0	0	**52**	**52**	0	8	0	**41**	49	1	222	0	**70**	**293**	0	10	0	26	36	**430**
04:45 PM	0	0	0	37	37	0	7	**2**	26	35	0	211	0	65	276	0	8	0	21	29	377
05:00 PM	0	0	0	45	45	**0**	**16**	0	36	**52**	**2**	**231**	1	34	268	0	**14**	0	**32**	**46**	411
05:15 PM	0	0	0	39	39	0	4	0	8	12	0	192	1	54	247	**1**	11	0	15	27	325
Total Volume	0	0	0	173	173	0	35	2	111	148	3	856	2	223	1084	1	43	0	94	138	1543
% App. Total	0	0	0	100		0	23.6	1.4	75		0.3	79	0.2	20.6		0.7	31.2	0	68.1		
PHF	.000	.000	.000	.832	.832	.000	.547	.250	.677	.712	.375	.926	.500	.796	.925	.250	.768	.000	.734	.750	.897


NORTH
BETHEL STREET
BUS STOP
NO PARKING ANYTIME
NO TURNS EXCEPT BUSES
NO TURNS EXCEPT BUSES
33' 11"
HOTEL STREET
28' 3"
28' 4"
34' 3"
BUS STOP
NO PARKING ANYTIME
TOW AWAY ZONE 6:30 - 5:30 PM

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5674
Counted:ER, RL
Weather:Clear

File Name : HotBis AM
Site Code : 00000037
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					Hotel Street Westbound					Bishop Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	2	365	0	44	411	0	4	0	32	36	0	0	0	26	26	0	13	0	116	129	602
06:45 AM	0	426	0	62	488	0	7	0	33	40	0	0	0	42	42	0	10	0	120	130	700
Total	2	791	0	106	899	0	11	0	65	76	0	0	0	68	68	0	23	0	236	259	1302
07:00 AM	0	467	0	49	516	1	2	0	40	43	0	0	0	47	47	0	7	0	142	149	755
07:15 AM	0	528	0	75	603	0	5	0	48	53	0	0	0	45	45	0	16	0	149	165	866
07:30 AM	0	512	0	49	561	0	9	0	55	64	0	0	0	59	59	0	8	1	127	136	820
07:45 AM	2	551	0	87	640	0	6	0	67	73	0	0	0	57	57	0	14	0	148	162	932
Total	2	2058	0	260	2320	1	22	0	210	233	0	0	0	208	208	0	45	1	566	612	3373
08:00 AM	2	529	0	70	601	0	11	0	46	57	0	0	0	43	43	0	13	1	120	134	835
08:15 AM	1	552	0	68	621	0	3	0	64	67	0	0	0	55	55	0	5	1	124	130	873
Grand Total	7	3930	0	504	4441	1	47	0	385	433	0	0	0	374	374	0	86	3	1046	1135	6383
Apprch %	0.2	88.5	0	11.3		0.2	10.9	0	88.9		0	0	0	100		0	7.6	0.3	92.2		
Total %	0.1	61.6	0	7.9	69.6	0	0.7	0	6	6.8	0	0	0	5.9	5.9	0	1.3	0	16.4	17.8	

	Bishop Street Southbound					Hotel Street Westbound					Bishop Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	512	0	49	561	0	9	0	55	64	0	0	0	59	59	0	8	1	127	136	820
07:45 AM	2	551	0	87	640	0	6	0	67	73	0	0	0	57	57	0	14	0	148	162	932
08:00 AM	2	529	0	70	601	0	11	0	46	57	0	0	0	43	43	0	13	1	120	134	835
08:15 AM	1	552	0	68	621	0	3	0	64	67	0	0	0	55	55	0	5	1	124	130	873
Total Volume	5	2144	0	274	2423	0	29	0	232	261	0	0	0	214	214	0	40	3	519	562	3460
% App. Total	0.2	88.5	0	11.3		0	11.1	0	88.9		0	0	0	100		0	7.1	0.5	92.3		
PHF	.625	.971	.000	.787	.946	.000	.659	.000	.866	.894	.000	.000	.000	.907	.907	.000	.714	.750	.877	.867	.928

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-5674
Counted:KK, RL
Weather:Clear

File Name : HotBis MIDDAY
Site Code : 00000037
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					Hotel Street Westbound					Bishop Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	288	0	91	379	6	6	0	90	102	0	0	0	95	95	0	7	1	122	130	706
11:15 AM	0	336	0	147	483	1	3	0	76	80	0	0	0	113	113	0	8	1	182	191	867
11:30 AM	0	318	0	147	465	0	4	1	141	146	0	0	0	131	131	0	5	1	186	192	934
11:45 AM	1	297	0	175	473	3	4	0	157	164	0	0	1	114	115	0	8	1	158	167	919
Total	1	1239	0	560	1800	10	17	1	464	492	0	0	1	453	454	0	28	4	648	680	3426
12:00 PM	0	305	0	217	522	0	8	0	185	193	0	0	0	161	161	0	8	0	206	214	1090
12:15 PM	0	272	0	236	508	0	5	0	194	199	0	0	0	180	180	0	4	0	232	236	1123
12:30 PM	0	273	0	236	509	0	2	0	172	174	0	0	0	167	167	0	5	0	234	239	1089
12:45 PM	0	303	0	174	477	0	6	0	172	178	0	0	0	147	147	0	4	0	236	240	1042
Total	0	1153	0	863	2016	0	21	0	723	744	0	0	0	655	655	0	21	0	908	929	4344
Grand Total	1	2392	0	1423	3816	10	38	1	1187	1236	0	0	1	1108	1109	0	49	4	1556	1609	7770
Apprch %	0	62.7	0	37.3		0.8	3.1	0.1	96		0	0	0.1	99.9		0	3	0.2	96.7		
Total %	0	30.8	0	18.3	49.1	0.1	0.5	0	15.3	15.9	0	0	0	14.3	14.3	0	0.6	0.1	20	20.7	

	Bishop Street Southbound					Hotel Street Westbound					Bishop Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	**305**	0	217	**522**	0	**8**	0	185	193	0	0	0	161	161	0	**8**	0	206	214	1090
12:15 PM	0	272	0	**236**	508	0	5	0	**194**	**199**	0	0	0	**180**	**180**	0	4	0	232	236	**1123**
12:30 PM	0	273	0	236	509	0	2	0	172	174	0	0	0	167	167	0	5	0	234	239	1089
12:45 PM	0	303	0	174	477	0	6	0	172	178	0	0	0	147	147	0	4	0	**236**	**240**	1042
Total Volume	0	1153	0	863	2016	0	21	0	723	744	0	0	0	655	655	0	21	0	908	929	4344
% App. Total	0	57.2	0	42.8		0	2.8	0	97.2		0	0	0	100		0	2.3	0	97.7		
PHF	.000	.945	.000	.914	.966	.000	.656	.000	.932	.935	.000	.000	.000	.910	.910	.000	.656	.000	.962	.968	.967

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

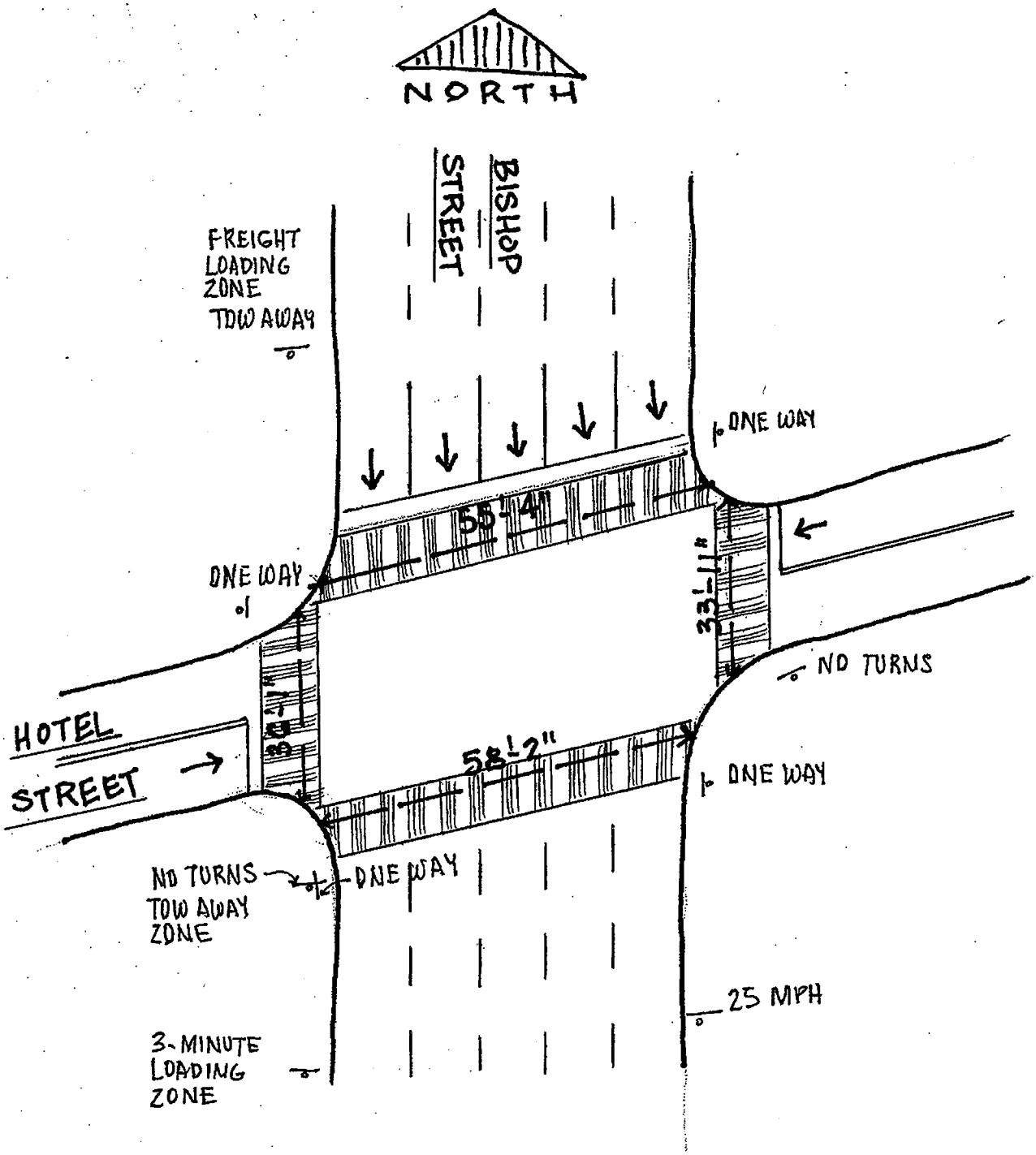
Counter:T-D4-5671, D4-5674
Counted:KK, RL
Weather:Clear

File Name : HotBis PM
Site Code : 00000037
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Bishop Street Southbound					Hotel Street Westbound					Bishop Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	1	295	2	95	393	0	5	0	95	100	0	0	0	69	69	0	8	1	127	136	698
04:15 PM	0	316	1	73	390	0	5	0	56	61	0	0	0	72	72	0	11	0	108	119	642
04:30 PM	1	344	0	89	434	0	7	0	71	78	0	0	0	73	73	0	8	0	133	141	726
04:45 PM	0	360	3	88	451	0	6	0	83	89	0	0	0	95	95	0	7	0	132	139	774
Total	2	1315	6	345	1668	0	23	0	305	328	0	0	0	309	309	0	34	1	500	535	2840
05:00 PM	1	389	1	95	486	0	9	0	153	162	0	0	0	87	87	0	13	0	127	140	875
05:15 PM	0	361	0	73	434	0	5	1	68	74	0	0	0	50	50	0	8	0	92	100	658
05:30 PM	0	362	0	49	411	0	5	0	55	60	0	0	0	78	78	0	5	1	91	97	646
05:45 PM	0	323	0	43	366	6	6	0	36	48	0	0	0	37	37	0	10	0	51	61	512
Total	1	1435	1	260	1697	6	25	1	312	344	0	0	0	252	252	0	36	1	361	398	2691
Grand Total	3	2750	7	605	3365	6	48	1	617	672	0	0	0	561	561	0	70	2	861	933	5531
Apprch %	0.1	81.7	0.2	18		0.9	7.1	0.1	91.8		0	0	0	100		0	7.5	0.2	92.3		
Total %	0.1	49.7	0.1	10.9	60.8	0.1	0.9	0	11.2	12.1	0	0	0	10.1	10.1	0	1.3	0	15.6	16.9	

	Bishop Street Southbound					Hotel Street Westbound					Bishop Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	1	344	0	89	434	0	7	0	71	78	0	0	0	73	73	0	8	0	133	141	726
04:45 PM	0	360	3	88	451	0	6	0	83	89	0	0	0	95	95	0	7	0	132	139	774
05:00 PM	1	389	1	95	486	0	9	0	153	162	0	0	0	87	87	0	13	0	127	140	875
05:15 PM	0	361	0	73	434	0	5	1	68	74	0	0	0	50	50	0	8	0	92	100	658
Total Volume	2	1454	4	345	1805	0	27	1	375	403	0	0	0	305	305	0	36	0	484	520	3033
% App. Total	0.1	80.6	0.2	19.1		0	6.7	0.2	93.1		0	0	0	100		0	6.9	0	93.1		
PHF	.500	.934	.333	.908	.928	.000	.750	.250	.613	.622	.000	.000	.000	.803	.803	.000	.692	.000	.910	.922	.867


NORTH
BISHOP STREET
FREIGHT LOADING ZONE TOW AWAY
ONE WAY
55'-4"
ONE WAY
33'-11"
NO TURNS
HOTEL STREET
58'-2"
ONE WAY
NO TURNS TOW AWAY ZONE
ONE WAY
25 MPH
3-MINUTE LOADING ZONE

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-3888
Counted:JM, EA
Weather:Clear

File Name : HotAla AM
Site Code : 00000038
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					Hotel Street Westbound					Alakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	40	40	0	5	9	23	37	0	126	8	32	166	2	13	0	37	52	295
06:45 AM	0	0	0	34	34	0	4	6	52	62	0	167	17	54	238	3	16	0	36	55	389
Total	0	0	0	74	74	0	9	15	75	99	0	293	25	86	404	5	29	0	73	107	684
07:00 AM	0	0	0	29	29	0	5	13	12	30	0	189	12	45	246	1	13	0	22	36	341
07:15 AM	0	0	0	47	47	0	6	25	24	55	0	207	21	48	276	3	10	0	38	51	429
07:30 AM	0	0	0	44	44	0	5	22	28	55	0	232	22	69	323	2	15	0	65	82	504
07:45 AM	0	0	0	48	48	0	8	20	42	70	0	224	19	52	295	4	22	0	47	73	486
Total	0	0	0	168	168	0	24	80	106	210	0	852	74	214	1140	10	60	0	172	242	1760
08:00 AM	0	0	0	32	32	0	18	14	56	88	0	207	28	59	294	4	26	0	32	62	476
08:15 AM	0	0	0	37	37	0	5	9	38	52	0	152	24	36	212	4	12	0	25	41	342
Grand Total	0	0	0	311	311	0	56	118	275	449	0	1504	151	395	2050	23	127	0	302	452	3262
Apprch %	0	0	0	100		0	12.5	26.3	61.2		0	73.4	7.4	19.3		5.1	28.1	0	66.8		
Total %	0	0	0	9.5	9.5	0	1.7	3.6	8.4	13.8	0	46.1	4.6	12.1	62.8	0.7	3.9	0	9.3	13.9	

	Alakea Street Southbound					Hotel Street Westbound					Alakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	0	47	47	0	6	**25**	24	55	0	207	21	48	276	3	10	0	38	51	429
07:30 AM	0	0	0	44	44	0	5	22	28	55	0	**232**	22	**69**	**323**	2	15	0	**65**	**82**	**504**
07:45 AM	0	0	0	**48**	**48**	0	8	20	42	70	0	224	19	52	295	4	22	0	47	73	486
08:00 AM	0	0	0	32	32	0	**18**	14	**56**	**88**	0	207	**28**	59	294	4	**26**	0	32	62	476
Total Volume	0	0	0	171	171	0	37	81	150	268	0	870	90	228	1188	13	73	0	182	268	1895
% App. Total	0	0	0	100		0	13.8	30.2	56		0	73.2	7.6	19.2		4.9	27.2	0	67.9		
PHF	.000	.000	.000	.891	.891	.000	.514	.810	.670	.761	.000	.938	.804	.826	.920	.813	.702	.000	.700	.817	.940

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-3888
Counted:JM, EA
Weather:Clear

File Name : HotAla MIDDAY
Site Code : 00000038
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					Hotel Street Westbound					Alakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	41	41	0	11	2	85	98	0	221	26	74	321	1	9	0	45	55	515
11:15 AM	0	0	0	55	55	0	6	2	56	64	0	269	27	114	410	6	12	0	58	76	605
11:30 AM	0	0	0	58	58	0	5	2	51	58	0	260	30	140	430	1	10	0	47	58	604
11:45 AM	0	0	0	56	56	0	5	6	46	57	0	247	28	108	383	0	12	0	60	72	568
Total	0	0	0	210	210	0	27	12	238	277	0	997	111	436	1544	8	43	0	210	261	2292
12:00 PM	0	0	0	41	41	0	5	6	85	96	0	241	28	166	435	2	14	0	74	90	662
12:15 PM	0	0	0	74	74	0	4	5	87	96	0	245	21	143	409	1	11	0	82	94	673
12:30 PM	0	0	0	87	87	0	5	3	34	42	0	220	20	132	372	1	11	0	56	68	569
12:45 PM	0	0	0	108	108	0	12	3	42	57	0	240	10	97	347	1	11	0	62	74	586
Total	0	0	0	310	310	0	26	17	248	291	0	946	79	538	1563	5	47	0	274	326	2490
Grand Total	0	0	0	520	520	0	53	29	486	568	0	1943	190	974	3107	13	90	0	484	587	4782
Apprch %	0	0	0	100		0	9.3	5.1	85.6		0	62.5	6.1	31.3		2.2	15.3	0	82.5		
Total %	0	0	0	10.9	10.9	0	1.1	0.6	10.2	11.9	0	40.6	4	20.4	65	0.3	1.9	0	10.1	12.3	

	Alakea Street Southbound					Hotel Street Westbound					Alakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	0	0	0	58	58	0	**5**	2	51	58	0	**260**	**30**	140	430	1	10	0	47	58	604
11:45 AM	0	0	0	56	56	0	5	**6**	46	57	0	247	28	108	383	0	12	0	60	72	568
12:00 PM	0	0	0	41	41	0	5	6	85	**96**	0	241	28	**166**	**435**	**2**	**14**	0	74	90	662
12:15 PM	0	0	0	**74**	**74**	0	4	5	**87**	96	0	245	21	143	409	1	11	0	**82**	**94**	**673**
Total Volume	0	0	0	229	229	0	19	19	269	307	0	993	107	557	1657	4	47	0	263	314	2507
% App. Total	0	0	0	100		0	6.2	6.2	87.6		0	59.9	6.5	33.6		1.3	15	0	83.8		
PHF	.000	.000	.000	.774	.774	.000	.950	.792	.773	.799	.000	.955	.892	.839	.952	.500	.839	.000	.802	.835	.931

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

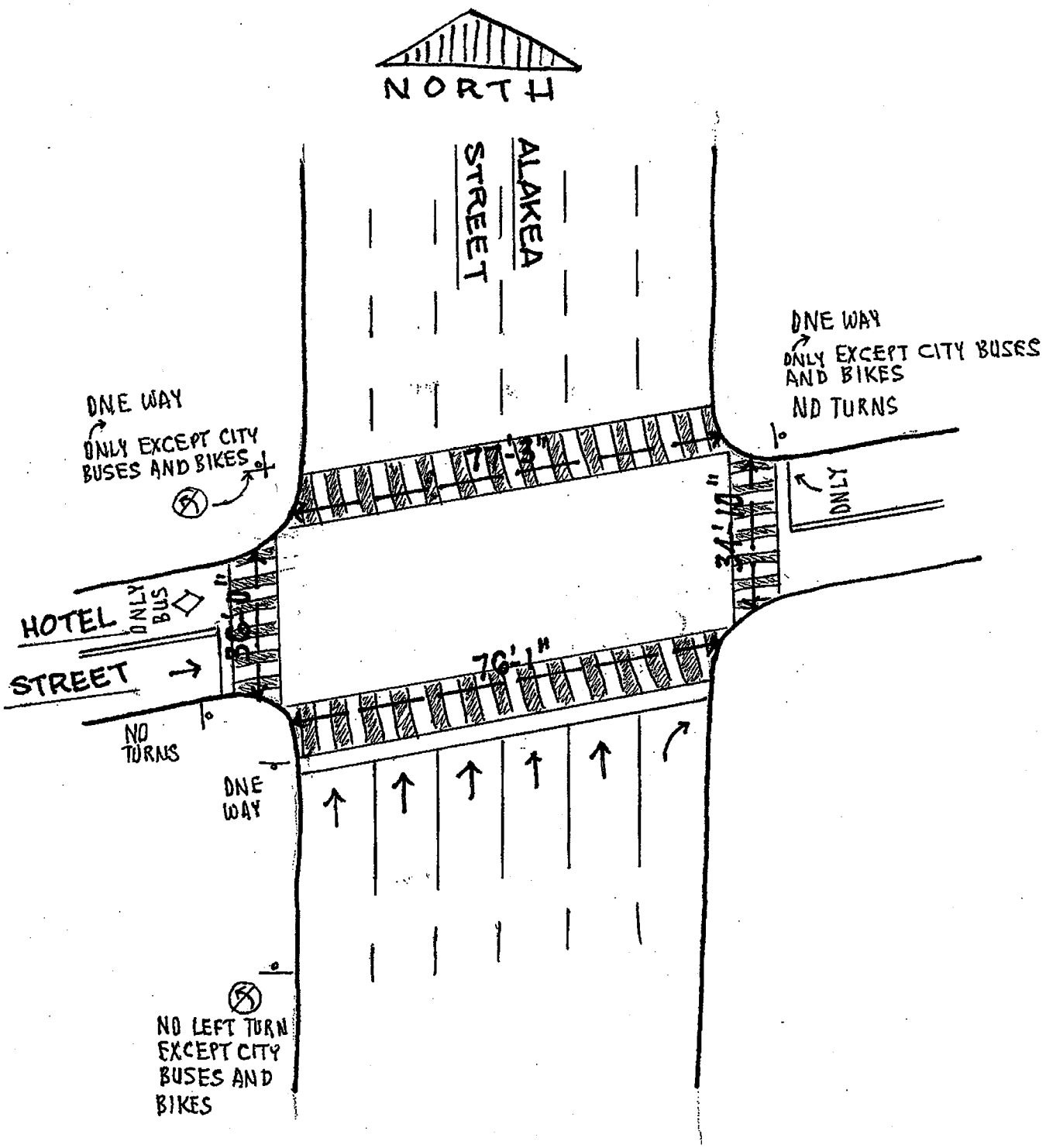
Counter:D4-5673, D4-3888
Counted:JM, AF
Weather:Clear

File Name : HotAla PM
Site Code : 00000038
Start Date : 5/22/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					Hotel Street Westbound					Alakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	82	82	0	3	5	62	70	0	478	50	52	580	3	10	0	56	69	801
04:15 PM	0	0	0	57	57	0	6	12	88	106	0	499	32	54	585	1	9	0	22	32	780
04:30 PM	0	0	0	63	63	0	6	11	117	134	0	510	41	91	642	5	15	0	47	67	906
04:45 PM	0	0	0	49	49	0	10	10	67	87	0	529	48	66	643	2	10	0	45	57	836
Total	0	0	0	251	251	0	25	38	334	397	0	2016	171	263	2450	11	44	0	170	225	3323
05:00 PM	0	0	0	53	53	0	11	6	93	110	0	537	61	61	659	3	16	0	45	64	886
05:15 PM	0	0	0	47	47	0	8	6	62	76	0	477	41	52	570	3	11	0	18	32	725
05:30 PM	0	0	0	44	44	0	5	5	56	66	0	553	41	78	672	2	15	0	52	69	851
05:45 PM	0	0	0	29	29	0	6	2	25	33	0	426	29	31	486	1	13	0	30	44	592
Total	0	0	0	173	173	0	30	19	236	285	0	1993	172	222	2387	9	55	0	145	209	3054
Grand Total	0	0	0	424	424	0	55	57	570	682	0	4009	343	485	4837	20	99	0	315	434	6377
Apprch %	0	0	0	100		0	8.1	8.4	83.6		0	82.9	7.1	10		4.6	22.8	0	72.6		
Total %	0	0	0	6.6	6.6	0	0.9	0.9	8.9	10.7	0	62.9	5.4	7.6	75.9	0.3	1.6	0	4.9	6.8	

	Alakea Street Southbound					Hotel Street Westbound					Alakea Street Northbound					Hotel Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	0	0	57	57	0	6	**12**	88	106	0	499	32	54	585	1	9	0	22	32	780
04:30 PM	0	0	0	**63**	**63**	0	6	11	**117**	**134**	0	510	41	**91**	642	**5**	15	0	**47**	**67**	**906**
04:45 PM	0	0	0	49	49	0	10	10	67	87	0	529	48	66	643	2	10	0	45	57	836
05:00 PM	0	0	0	53	53	0	**11**	6	93	110	0	**537**	**61**	61	**659**	3	**16**	0	45	64	886
Total Volume	0	0	0	222	222	0	33	39	365	437	0	2075	182	272	2529	11	50	0	159	220	3408
% App. Total	0	0	0	100		0	7.6	8.9	83.5		0	82	7.2	10.8		5	22.7	0	72.3		
PHF	.000	.000	.000	.881	.881	.000	.750	.813	.780	.815	.000	.966	.746	.747	.959	.550	.781	.000	.846	.821	.940


NORTH
ALAKEA STREET
ONE WAY
ONLY EXCEPT CITY BUSES AND BIKES
NO TURNS
ONLY
ONE WAY
ONLY EXCEPT CITY BUSES AND BIKES
HOTEL STREET
ONLY BUS
NO TURNS
ONE WAY
NO LEFT TURN EXCEPT CITY BUSES AND BIKES
77'-3"
76'-1"
34'-11"

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-5675
Counted:ER, DY
Weather:Clear

File Name : BerKin AM
Site Code : 00000039
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	King Street Southbound					Beretania Street Westbound					King Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
06:30 AM	28	290	0	32	350	0	159	0	26	185	0	40	4	20	64	0	599
06:45 AM	35	362	0	31	428	0	147	0	25	172	0	54	7	18	79	0	679
Total	63	652	0	63	778	0	306	0	51	357	0	94	11	38	143	0	1278
07:00 AM	42	392	0	30	464	0	176	0	22	198	0	87	3	29	119	0	781
07:15 AM	61	443	0	25	529	0	183	0	27	210	0	57	8	23	88	0	827
07:30 AM	71	425	0	36	532	0	200	0	37	237	0	89	4	37	130	0	899
07:45 AM	67	442	0	36	545	0	209	0	19	228	0	91	8	33	132	0	905
Total	241	1702	0	127	2070	0	768	0	105	873	0	324	23	122	469	0	3412
08:00 AM	44	372	0	16	432	0	219	0	38	257	0	93	7	29	129	0	818
08:15 AM	37	343	0	17	397	0	191	0	23	214	0	82	3	18	103	0	714
Grand Total	385	3069	0	223	3677	0	1484	0	217	1701	0	593	44	207	844	0	6222
Apprch %	10.5	83.5	0	6.1		0	87.2	0	12.8		0	70.3	5.2	24.5			
Total %	6.2	49.3	0	3.6	59.1	0	23.9	0	3.5	27.3	0	9.5	0.7	3.3	13.6	0	

	King Street Southbound					Beretania Street Westbound					King Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	61	**443**	0	25	529	0	183	0	27	210	0	57	**8**	23	88	0	827
07:30 AM	**71**	425	0	**36**	532	0	200	0	37	237	0	89	4	**37**	130	0	899
07:45 AM	67	442	0	36	**545**	0	209	0	19	228	0	91	8	33	**132**	0	**905**
08:00 AM	44	372	0	16	432	0	**219**	0	**38**	**257**	0	**93**	7	29	129	0	818
Total Volume	243	1682	0	113	2038	0	811	0	121	932	0	330	27	122	479	0	3449
% App. Total	11.9	82.5	0	5.5		0	87	0	13		0	68.9	5.6	25.5			
PHF	.856	.949	.000	.785	.935	.000	.926	.000	.796	.907	.000	.887	.844	.824	.907	.000	.953

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-5676
Counted:ER, DY
Weather:Cl;ear

File Name : BerKin MIDDAY
Site Code : 00000039
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	King Street Southbound					Beretania Street Westbound					King Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	50	298	0	25	373	0	249	0	21	270	0	96	5	20	121	0	764
11:15 AM	48	293	0	20	361	0	239	0	20	259	0	83	14	31	128	0	748
11:30 AM	54	296	0	46	396	0	239	0	26	265	0	106	8	38	152	0	813
11:45 AM	47	301	0	3	351	0	239	0	16	255	0	97	13	23	133	0	739
Total	199	1188	0	94	1481	0	966	0	83	1049	0	382	40	112	534	0	3064
12:00 PM	51	289	0	23	363	0	174	0	26	200	0	96	4	26	126	0	689
12:15 PM	53	242	16	45	356	0	168	0	22	190	0	99	12	34	145	0	691
12:30 PM	51	298	0	29	378	0	282	0	20	302	0	105	7	20	132	0	812
12:45 PM	44	290	0	19	353	0	225	0	11	236	0	93	7	13	113	0	702
Total	199	1119	16	116	1450	0	849	0	79	928	0	393	30	93	516	0	2894
Grand Total	398	2307	16	210	2931	0	1815	0	162	1977	0	775	70	205	1050	0	5958
Apprch %	13.6	78.7	0.5	7.2		0	91.8	0	8.2		0	73.8	6.7	19.5			
Total %	6.7	38.7	0.3	3.5	49.2	0	30.5	0	2.7	33.2	0	13	1.2	3.4	17.6	0	

	King Street Southbound					Beretania Street Westbound					King Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:00 AM																	
11:00 AM	50	298	0	25	373	0	**249**	0	21	**270**	0	96	5	20	121	0	764
11:15 AM	48	293	0	20	361	0	239	0	20	259	0	83	**14**	31	128	0	748
11:30 AM	**54**	296	0	**46**	**396**	0	239	0	**26**	265	0	**106**	8	**38**	**152**	0	**813**
11:45 AM	47	**301**	0	3	351	0	239	0	16	255	0	97	13	23	133	0	739
Total Volume	199	1188	0	94	1481	0	966	0	83	1049	0	382	40	112	534	0	3064
% App. Total	13.4	80.2	0	6.3		0	92.1	0	7.9		0	71.5	7.5	21			
PHF	.921	.987	.000	.511	.935	.000	.970	.000	.798	.971	.000	.901	.714	.737	.878	.000	.942

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

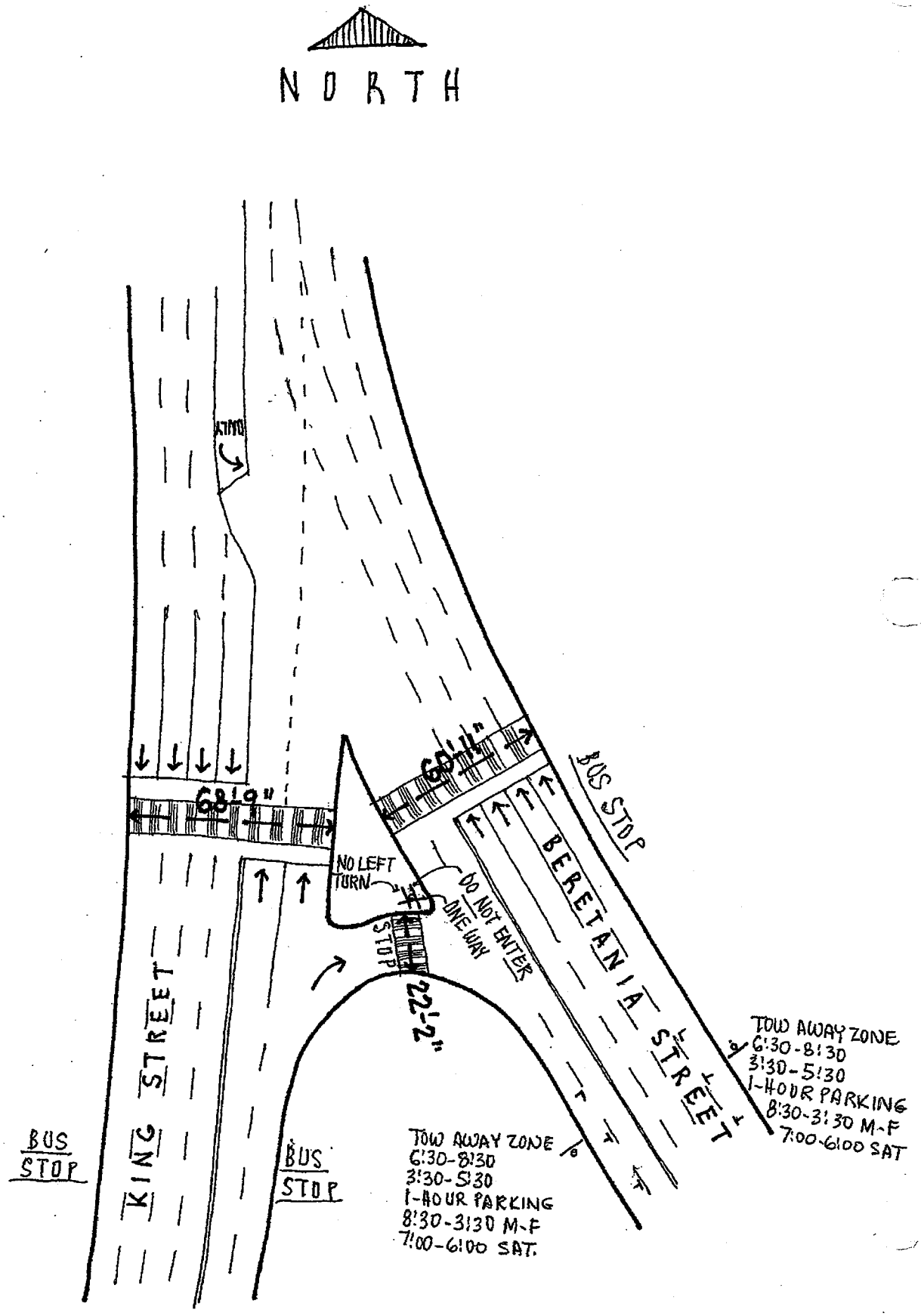
Counter:D4-5676, D4-5675
Counted:ER, DY
Weather:Clear

File Name : BerKin PM
Site Code : 00000039
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	King Street Southbound					Beretania Street Westbound					King Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	59	384	0	21	464	0	373	0	24	397	0	134	7	22	163	0	1024
04:15 PM	67	373	0	41	481	0	368	0	40	408	0	153	9	25	187	0	1076
04:30 PM	71	361	8	30	470	0	385	0	47	432	0	169	5	43	217	0	1119
04:45 PM	57	399	0	54	510	0	433	0	48	481	0	181	7	46	234	0	1225
Total	254	1517	8	146	1925	0	1559	0	159	1718	0	637	28	136	801	0	4444
05:00 PM	60	342	3	20	425	0	405	0	22	427	0	166	5	19	190	0	1042
05:15 PM	60	324	0	29	413	0	379	0	21	400	0	170	6	30	206	0	1019
05:30 PM	48	253	0	34	335	0	298	0	27	325	0	146	8	17	171	0	831
05:45 PM	54	230	0	18	302	0	265	0	19	284	0	106	3	14	123	0	709
Total	222	1149	3	101	1475	0	1347	0	89	1436	0	588	22	80	690	0	3601
Grand Total	476	2666	11	247	3400	0	2906	0	248	3154	0	1225	50	216	1491	0	8045
Apprch %	14	78.4	0.3	7.3		0	92.1	0	7.9		0	82.2	3.4	14.5			
Total %	5.9	33.1	0.1	3.1	42.3	0	36.1	0	3.1	39.2	0	15.2	0.6	2.7	18.5	0	

	King Street Southbound					Beretania Street Westbound					King Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	67	373	0	41	481	0	368	0	40	408	0	153	9	25	187	0	1076
04:30 PM	71	361	8	30	470	0	385	0	47	432	0	169	5	43	217	0	1119
04:45 PM	57	399	0	54	510	0	433	0	48	481	0	181	7	46	234	0	1225
05:00 PM	60	342	3	20	425	0	405	0	22	427	0	166	5	19	190	0	1042
Total Volume	255	1475	11	145	1886	0	1591	0	157	1748	0	669	26	133	828	0	4462
% App. Total	13.5	78.2	0.6	7.7		0	91	0	9		0	80.8	3.1	16.1			
PHF	.898	.924	.344	.671	.925	.000	.919	.000	.818	.909	.000	.924	.722	.723	.885	.000	.911


NORTH
KING STREET
BERETANIA STREET
BUS STOP
BUS STOP
BUS STOP
68'10"
60'11"
NO LEFT TURN
DO NOT ENTER
ONE WAY
STOP
22'-2"
TOW AWAY ZONE
6:30-8:30
3:30-5:30
1-HOUR PARKING
8:30-3:30 M-F
7:00-6:00 SAT
TOW AWAY ZONE
6:30-8:30
3:30-5:30
1-HOUR PARKING
8:30-3:30 M-F
7:00-6:00 SAT.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5673
Counted:TW, AN
Weather:Clear

File Name : BerAal AM
Site Code : 00000040
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	Aala Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	23	0	8	7	38	0	130	24	2	156	0	16	12	0	12	40	234
06:45 AM	33	0	12	6	51	0	133	27	4	164	0	25	18	0	8	51	266
Total	56	0	20	13	89	0	263	51	6	320	0	41	30	0	20	91	500
07:00 AM	25	0	12	3	40	0	160	42	3	205	0	22	24	0	9	55	300
07:15 AM	50	0	14	3	67	0	173	36	3	212	0	38	31	0	6	75	354
07:30 AM	37	0	16	9	62	0	179	34	5	218	0	32	38	0	11	81	361
07:45 AM	43	0	12	4	59	0	196	54	2	252	0	29	42	0	5	76	387
Total	155	0	54	19	228	0	708	166	13	887	0	121	135	0	31	287	1402
08:00 AM	49	0	11	2	62	0	210	54	2	266	0	28	23	0	12	63	391
08:15 AM	44	0	17	11	72	0	171	37	3	211	0	16	22	0	7	45	328
Grand Total	304	0	102	45	451	0	1352	308	24	1684	0	206	210	0	70	486	2621
Apprch %	67.4	0	22.6	10		0	80.3	18.3	1.4			42.4	43.2	0	14.4		
Total %	11.6	0	3.9	1.7	17.2	0	51.6	11.8	0.9	64.3	0	7.9	8	0	2.7	18.5	

	Aala Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	**50**	0	14	3	**67**	0	173	36	3	212	0	**38**	31	0	6	75	354
07:30 AM	37	0	**16**	**9**	62	0	179	34	**5**	218	0	32	38	0	11	**81**	361
07:45 AM	43	0	12	4	59	0	196	**54**	2	252	0	29	**42**	0	5	76	387
08:00 AM	49	0	11	2	62	0	**210**	54	2	**266**	0	28	23	0	**12**	63	**391**
Total Volume	179	0	53	18	250	0	758	178	12	948	0	127	134	0	34	295	1493
% App. Total	71.6	0	21.2	7.2		0	80	18.8	1.3			43.1	45.4	0	11.5		
PHF	.895	.000	.828	.500	.933	.000	.902	.824	.600	.891	.000	.836	.798	.000	.708	.910	.955

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5673
Counted:SW, AN
Weather:Clear

File Name : BerAal MIDDAY
Site Code : 00000040
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	Aala Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	33	0	22	7	62	0	231	47	4	282	0	34	21	0	8	63	407
11:15 AM	35	0	24	11	70	0	222	52	2	276	0	35	20	0	5	60	406
11:30 AM	35	0	23	5	63	0	211	57	1	269	0	24	18	0	5	47	379
11:45 AM	27	0	15	5	47	0	213	50	1	264	0	23	27	0	6	56	367
Total	130	0	84	28	242	0	877	206	8	1091	0	116	86	0	24	226	1559
12:00 PM	37	0	16	7	60	0	163	65	1	229	0	29	12	0	6	47	336
12:15 PM	28	0	16	8	52	0	141	56	3	200	0	39	15	0	0	54	306
12:30 PM	19	0	23	4	46	0	249	65	2	316	0	31	19	0	10	60	422
12:45 PM	25	0	17	3	45	0	200	58	0	258	0	18	17	0	5	40	343
Total	109	0	72	22	203	0	753	244	6	1003	0	117	63	0	21	201	1407
Grand Total	239	0	156	50	445	0	1630	450	14	2094	0	233	149	0	45	427	2966
Apprch %	53.7	0	35.1	11.2		0	77.8	21.5	0.7			54.6	34.9	0	10.5		
Total %	8.1	0	5.3	1.7	15	0	55	15.2	0.5	70.6	0	7.9	5	0	1.5	14.4	

	Aala Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:00 AM																	
11:00 AM	33	0	22	7	62	0	**231**	47	**4**	**282**	0	34	21	0	**8**	**63**	**407**
11:15 AM	**35**	0	**24**	**11**	**70**	0	222	52	2	276	0	**35**	20	0	5	60	406
11:30 AM	35	0	23	5	63	0	211	**57**	1	269	0	24	18	0	5	47	379
11:45 AM	27	0	15	5	47	0	213	50	1	264	0	23	**27**	0	6	56	367
Total Volume	130	0	84	28	242	0	877	206	8	1091	0	116	86	0	24	226	1559
% App. Total	53.7	0	34.7	11.6		0	80.4	18.9	0.7			51.3	38.1	0	10.6		
PHF	.929	.000	.875	.636	.864	.000	.949	.904	.500	.967	.000	.829	.796	.000	.750	.897	.958

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

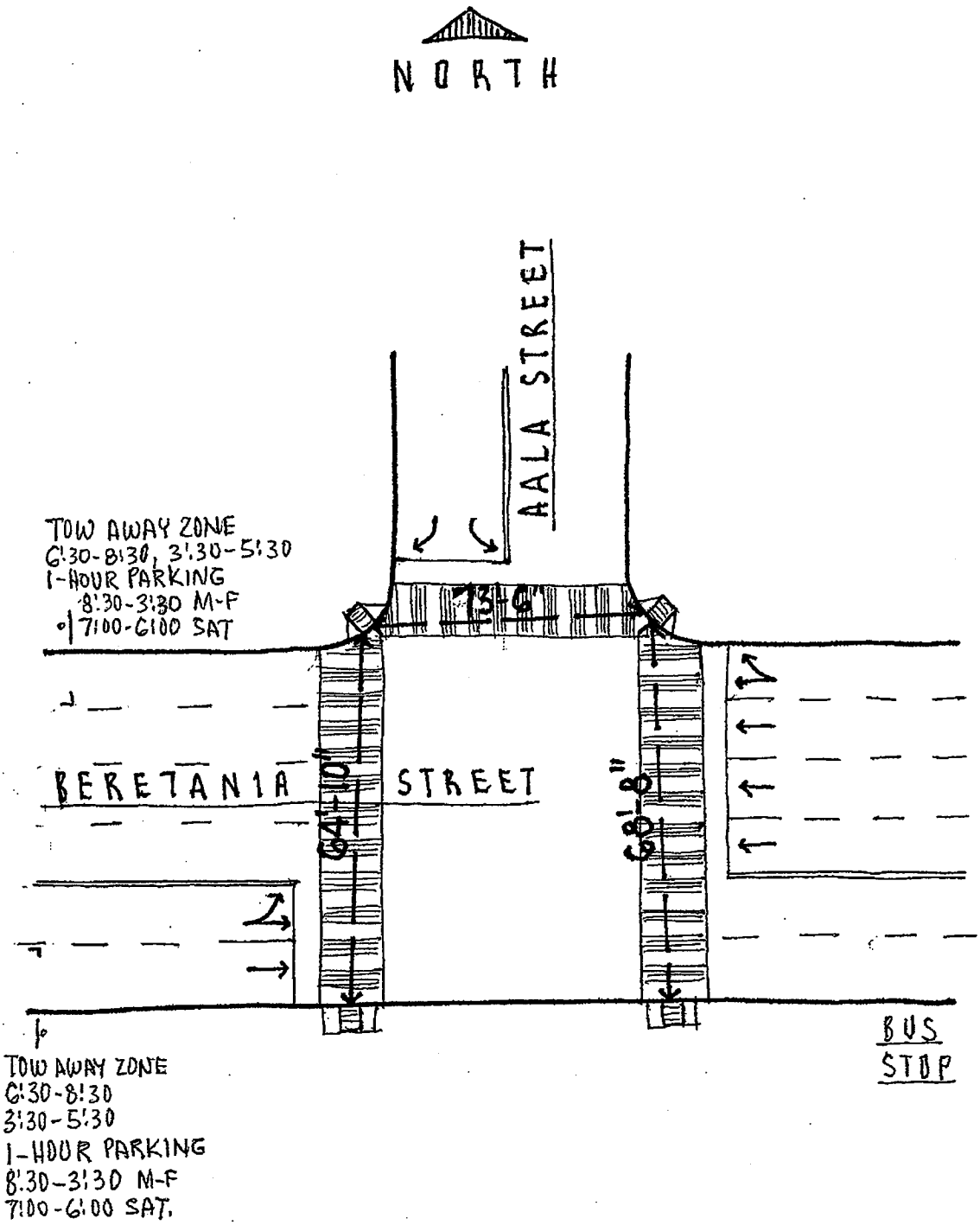
Counter:D4-3890, D4-5673
Counted:SD, WA
Weather:Clear

File Name : BerAal PM
Site Code : 00000040
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	Aala Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	20	0	25	3	48	0	363	75	2	440	0	27	32	0	7	66	554
04:15 PM	15	0	23	7	45	0	339	88	5	432	0	22	42	0	5	69	546
04:30 PM	14	0	20	6	40	0	371	81	4	456	0	26	39	0	6	71	567
04:45 PM	22	0	19	4	45	0	394	88	2	484	0	31	28	0	8	67	596
Total	71	0	87	20	178	0	1467	332	13	1812	0	106	141	0	26	273	2263
05:00 PM	20	0	15	1	36	0	387	87	3	477	0	25	38	0	8	71	584
05:15 PM	23	0	17	1	41	0	364	85	2	451	0	25	34	0	1	60	552
05:30 PM	16	0	10	1	27	0	286	67	6	359	0	25	25	0	3	53	439
05:45 PM	22	0	21	2	45	0	245	54	2	301	0	26	30	0	10	66	412
Total	81	0	63	5	149	0	1282	293	13	1588	0	101	127	0	22	250	1987
Grand Total	152	0	150	25	327	0	2749	625	26	3400	0	207	268	0	48	523	4250
Apprch %	46.5	0	45.9	7.6		0	80.9	18.4	0.8			39.6	51.2	0	9.2		
Total %	3.6	0	3.5	0.6	7.7	0	64.7	14.7	0.6	80	0	4.9	6.3	0	1.1	12.3	

	Aala Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	14	0	**20**	**6**	40	0	371	81	**4**	456	0	26	**39**	0	6	**71**	567
04:45 PM	22	0	19	4	**45**	0	**394**	**88**	2	**484**	0	**31**	28	0	**8**	67	**596**
05:00 PM	20	0	15	1	36	0	387	87	3	477	0	25	38	0	8	71	584
05:15 PM	**23**	0	17	1	41	0	364	85	2	451	0	25	34	0	1	60	552
Total Volume	79	0	71	12	162	0	1516	341	11	1868	0	107	139	0	23	269	2299
% App. Total	48.8	0	43.8	7.4		0	81.2	18.3	0.6			39.8	51.7	0	8.6		
PHF	.859	.000	.888	.500	.900	.000	.962	.969	.688	.965	.000	.863	.891	.000	.719	.947	.964


NORTH
AALA STREET
TOW AWAY ZONE
6:30-8:30, 3:30-5:30
1-HOUR PARKING
8:30-3:30 M-F
7:00-6:00 SAT
73'6"
BERETANIA STREET
64'10"
68'8"
BUS STOP
TOW AWAY ZONE
6:30-8:30
3:30-5:30
1-HOUR PARKING
8:30-3:30 M-F
7:00-6:00 SAT.

Aacp

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5671
Counted:ZW, RL
Weather:Clear

File Name : BerRiv AM
Site Code : 00000041
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					River Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	17	156	0	25	198	22	0	7	10	39	0	13	19	5	37	274
06:45 AM	0	21	143	0	30	194	18	0	9	12	39	0	23	20	1	44	277
Total	0	38	299	0	55	392	40	0	16	22	78	0	36	39	6	81	551
07:00 AM	0	15	197	0	32	244	30	0	12	9	51	0	24	23	2	49	344
07:15 AM	0	14	211	0	47	272	28	0	9	7	44	0	45	35	4	84	400
07:30 AM	0	17	194	0	40	251	25	0	6	14	45	0	51	24	2	77	373
07:45 AM	0	23	248	0	47	318	32	0	7	10	49	0	49	37	1	87	454
Total	0	69	850	0	166	1085	115	0	34	40	189	0	169	119	9	297	1571
08:00 AM	0	18	236	0	49	303	30	0	9	6	45	0	38	32	6	76	424
08:15 AM	0	15	205	0	47	267	16	1	13	10	40	0	39	25	2	66	373
Grand Total	0	140	1590	0	317	2047	201	1	72	78	352	0	282	215	23	520	2919
Apprch %		6.8	77.7	0	15.5		57.1	0.3	20.5	22.2		0	54.2	41.3	4.4		
Total %	0	4.8	54.5	0	10.9	70.1	6.9	0	2.5	2.7	12.1	0	9.7	7.4	0.8	17.8	

	Southbound	Beretania Street Westbound					River Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	14	211	0	47	272	28	0	9	7	44	0	45	35	4	84	400
07:30 AM	0	17	194	0	40	251	25	0	6	14	45	0	51	24	2	77	373
07:45 AM	0	23	248	0	47	318	32	0	7	10	49	0	49	37	1	87	454
08:00 AM	0	18	236	0	49	303	30	0	9	6	45	0	38	32	6	76	424
Total Volume	0	72	889	0	183	1144	115	0	31	37	183	0	183	128	13	324	1651
% App. Total		6.3	77.7	0	16		62.8	0	16.9	20.2		0	56.5	39.5	4		
PHF	.000	.783	.896	.000	.934	.899	.898	.000	.861	.661	.934	.000	.897	.865	.542	.931	.909

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5671
Counted:ZW, RL
Weather:Clear

File Name : BerRiv MIDDAY
Site Code : 00000041
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					River Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	15	273	2	95	385	39	1	14	9	63	0	33	26	2	61	509
11:15 AM	0	22	252	0	74	348	24	1	5	4	34	0	14	7	3	24	406
11:30 AM	0	17	227	0	86	330	20	0	14	2	36	0	12	12	2	26	392
11:45 AM	0	27	242	1	74	344	24	2	16	11	53	0	28	18	12	58	455
Total	0	81	994	3	329	1407	107	4	49	26	186	0	87	63	19	169	1762
12:00 PM	0	13	197	11	81	302	37	2	23	9	71	0	26	31	5	62	435
12:15 PM	0	8	140	5	51	204	47	0	22	6	75	0	18	30	10	58	337
12:30 PM	0	17	304	0	61	382	47	1	22	11	81	0	28	16	0	44	507
12:45 PM	0	14	217	21	107	359	29	0	22	24	75	0	21	25	5	51	485
Total	0	52	858	37	300	1247	160	3	89	50	302	0	93	102	20	215	1764
Grand Total	0	133	1852	40	629	2654	267	7	138	76	488	0	180	165	39	384	3526
Apprch %		5	69.8	1.5	23.7		54.7	1.4	28.3	15.6		0	46.9	43	10.2		
Total %	0	3.8	52.5	1.1	17.8	75.3	7.6	0.2	3.9	2.2	13.8	0	5.1	4.7	1.1	10.9	

	Southbound	Beretania Street Westbound					River Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:00 PM																	
12:00 PM	0	13	197	11	81	302	37	**2**	**23**	9	71	0	26	**31**	5	**62**	435
12:15 PM	0	8	140	5	51	204	**47**	0	22	6	75	0	18	30	**10**	58	337
12:30 PM	0	**17**	**304**	0	61	**382**	47	1	22	11	**81**	0	**28**	16	0	44	**507**
12:45 PM	0	14	217	**21**	**107**	359	29	0	22	**24**	75	0	21	25	5	51	485
Total Volume	0	52	858	37	300	1247	160	3	89	50	302	0	93	102	20	215	1764
% App. Total		4.2	68.8	3	24.1		53	1	29.5	16.6		0	43.3	47.4	9.3		
PHF	.000	.765	.706	.440	.701	.816	.851	.375	.967	.521	.932	.000	.830	.823	.500	.867	.870

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

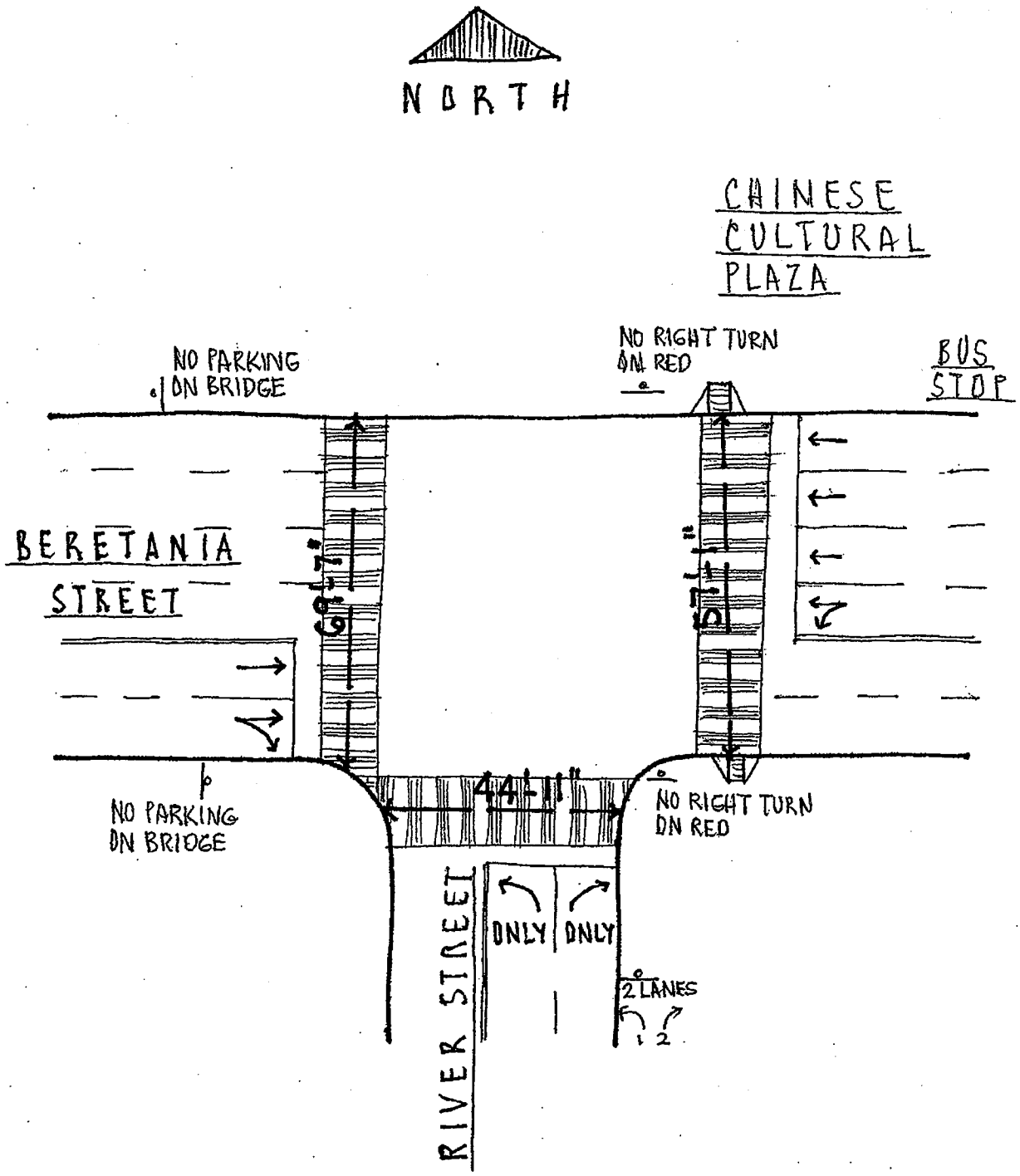
Counter:D4-5672, D4-5671
Counted:ZW, RL
Weather:Clear

File Name : BerRiv PM
Site Code : 00000041
Start Date : 6/3/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					River Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	16	387	0	51	454	63	0	14	16	93	0	37	13	0	50	597
04:15 PM	0	23	385	0	42	450	55	0	22	19	96	0	43	15	4	62	608
04:30 PM	0	13	401	0	56	470	62	0	18	20	100	0	42	12	2	56	626
04:45 PM	0	7	446	0	62	515	68	0	15	16	99	0	34	15	2	51	665
Total	0	59	1619	0	211	1889	248	0	69	71	388	0	156	55	8	219	2496
05:00 PM	0	12	412	0	35	459	61	0	15	18	94	0	38	18	3	59	612
05:15 PM	0	8	394	0	45	447	52	0	20	18	90	0	39	14	1	54	591
05:30 PM	0	9	332	0	43	384	51	0	7	18	76	0	33	16	5	54	514
05:45 PM	0	14	267	0	36	317	42	0	15	15	72	0	32	15	6	53	442
Total	0	43	1405	0	159	1607	206	0	57	69	332	0	142	63	15	220	2159
Grand Total	0	102	3024	0	370	3496	454	0	126	140	720	0	298	118	23	439	4655
Apprch %		2.9	86.5	0	10.6		63.1	0	17.5	19.4		0	67.9	26.9	5.2		
Total %	0	2.2	65	0	7.9	75.1	9.8	0	2.7	3	15.5	0	6.4	2.5	0.5	9.4	

	Southbound	Beretania Street Westbound					River Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	0	**23**	385	0	42	450	55	0	**22**	19	96	0	**43**	15	**4**	**62**	608
04:30 PM	0	13	401	0	56	470	62	0	18	**20**	**100**	0	42	12	2	56	626
04:45 PM	0	7	**446**	0	**62**	**515**	**68**	0	15	16	99	0	34	15	2	51	**665**
05:00 PM	0	12	412	0	35	459	61	0	15	18	94	0	38	**18**	3	59	612
Total Volume	0	55	1644	0	195	1894	246	0	70	73	389	0	157	60	11	228	2511
% App. Total		2.9	86.8	0	10.3		63.2	0	18	18.8		0	68.9	26.3	4.8		
PHF	.000	.598	.922	.000	.786	.919	.904	.000	.795	.913	.973	.000	.913	.833	.688	.919	.944


NORTH
CHINESE CULTURAL PLAZA
NO PARKING ON BRIDGE
NO RIGHT TURN ON RED
BUS STOP
BERETANIA STREET
60'-7"
60'-7"
44'-11"
NO PARKING ON BRIDGE
NO RIGHT TURN ON RED
ONLY
ONLY
2 LANES
1 2
RIVER STREET

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-5674
Counted:RL, DY
Weather:Clear

File Name : BerMau AM
Site Code : 00000042
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Maunakea Street Southbound					Beretania Street Westbound					Maunakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	21	5	12	38	21	130	19	15	185	0	0	0	7	7	14	0	11	18	43	273
06:45 AM	0	29	9	26	64	31	118	23	15	187	0	0	0	11	11	16	0	8	24	48	310
Total	0	50	14	38	102	52	248	42	30	372	0	0	0	18	18	30	0	19	42	91	583
07:00 AM	0	26	9	25	60	26	179	41	22	268	0	0	0	18	18	23	0	13	29	65	411
07:15 AM	0	41	8	19	68	29	174	32	21	256	0	0	0	8	8	22	0	26	10	58	390
07:30 AM	0	45	2	14	61	30	175	32	32	269	0	0	0	19	19	36	0	23	31	90	439
07:45 AM	0	46	7	22	75	21	207	37	35	300	0	0	0	18	18	29	0	27	31	87	480
Total	0	158	26	80	264	106	735	142	110	1093	0	0	0	63	63	110	0	89	101	300	1720
08:00 AM	0	50	18	21	89	14	134	30	11	189	0	0	0	3	3	22	0	17	34	73	354
08:15 AM	0	47	17	41	105	36	190	45	40	311	0	0	0	14	14	22	1	20	31	74	504
Grand Total	0	305	75	180	560	208	1307	259	191	1965	0	0	0	98	98	184	1	145	208	538	3161
Apprch %	0	54.5	13.4	32.1		10.6	66.5	13.2	9.7		0	0	0	100		34.2	0.2	27	38.7		
Total %	0	9.6	2.4	5.7	17.7	6.6	41.3	8.2	6	62.2	0	0	0	3.1	3.1	5.8	0	4.6	6.6	17	

	Maunakea Street Southbound					Beretania Street Westbound					Maunakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	45	2	14	61	30	175	32	32	269	0	0	0	**19**	**19**	**36**	0	23	31	**90**	439
07:45 AM	0	46	7	22	75	21	**207**	37	35	300	0	0	0	18	18	29	0	**27**	31	87	480
08:00 AM	0	**50**	**18**	21	89	14	134	30	11	189	0	0	0	3	3	22	0	17	**34**	73	354
08:15 AM	0	47	17	**41**	**105**	**36**	190	**45**	**40**	**311**	0	0	0	14	14	22	**1**	20	31	74	**504**
Total Volume	0	188	44	98	330	101	706	144	118	1069	0	0	0	54	54	109	1	87	127	324	1777
% App. Total	0	57	13.3	29.7		9.4	66	13.5	11		0	0	0	100		33.6	0.3	26.9	39.2		
PHF	.000	.940	.611	.598	.786	.701	.853	.800	.738	.859	.000	.000	.000	.711	.711	.757	.250	.806	.934	.900	.881

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-5674
Counted:DY, AN
Weather:Clear

File Name : BerMau MIDDAY
Site Code : 00000042
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Maunakea Street Southbound					Beretania Street Westbound					Maunakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	54	23	29	106	32	223	67	29	351	0	0	0	29	29	30	0	17	73	120	606
11:15 AM	0	50	10	31	91	47	215	59	33	354	0	0	0	25	25	28	0	18	63	109	579
11:30 AM	0	40	18	50	108	49	236	69	36	390	0	0	0	38	38	30	0	16	84	130	666
11:45 AM	0	39	21	37	97	40	230	63	38	371	0	0	0	32	32	24	0	38	78	140	640
Total	0	183	72	147	402	168	904	258	136	1466	0	0	0	124	124	112	0	89	298	499	2491
12:00 PM	0	54	16	47	117	47	236	65	43	391	0	0	0	33	33	24	0	14	98	136	677
12:15 PM	0	36	27	42	105	39	230	60	33	362	0	0	0	43	43	31	0	25	62	118	628
12:30 PM	0	47	22	38	107	51	226	62	24	363	0	0	0	41	41	35	0	13	78	126	637
12:45 PM	0	46	18	55	119	43	224	50	50	367	0	0	0	37	37	32	0	17	69	118	641
Total	0	183	83	182	448	180	916	237	150	1483	0	0	0	154	154	122	0	69	307	498	2583
Grand Total	0	366	155	329	850	348	1820	495	286	2949	0	0	0	278	278	234	0	158	605	997	5074
Apprch %	0	43.1	18.2	38.7		11.8	61.7	16.8	9.7		0	0	0	100		23.5	0	15.8	60.7		
Total %	0	7.2	3.1	6.5	16.8	6.9	35.9	9.8	5.6	58.1	0	0	0	5.5	5.5	4.6	0	3.1	11.9	19.6	

	Maunakea Street Southbound					Beretania Street Westbound					Maunakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	0	40	18	**50**	108	**49**	**236**	**69**	36	390	0	0	0	38	38	30	0	16	84	130	666
11:45 AM	0	39	21	37	97	40	230	63	38	371	0	0	0	32	32	24	0	**38**	78	**140**	640
12:00 PM	0	**54**	16	47	**117**	47	236	65	**43**	**391**	0	0	0	33	33	24	0	14	**98**	136	**677**
12:15 PM	0	36	**27**	42	105	39	230	60	33	362	0	0	0	**43**	**43**	**31**	0	25	62	118	628
Total Volume	0	169	82	176	427	175	932	257	150	1514	0	0	0	146	146	109	0	93	322	524	2611
% App. Total	0	39.6	19.2	41.2		11.6	61.6	17	9.9		0	0	0	100		20.8	0	17.7	61.5		
PHF	.000	.782	.759	.880	.912	.893	.987	.931	.872	.968	.000	.000	.000	.849	.849	.879	.000	.612	.821	.936	.964

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

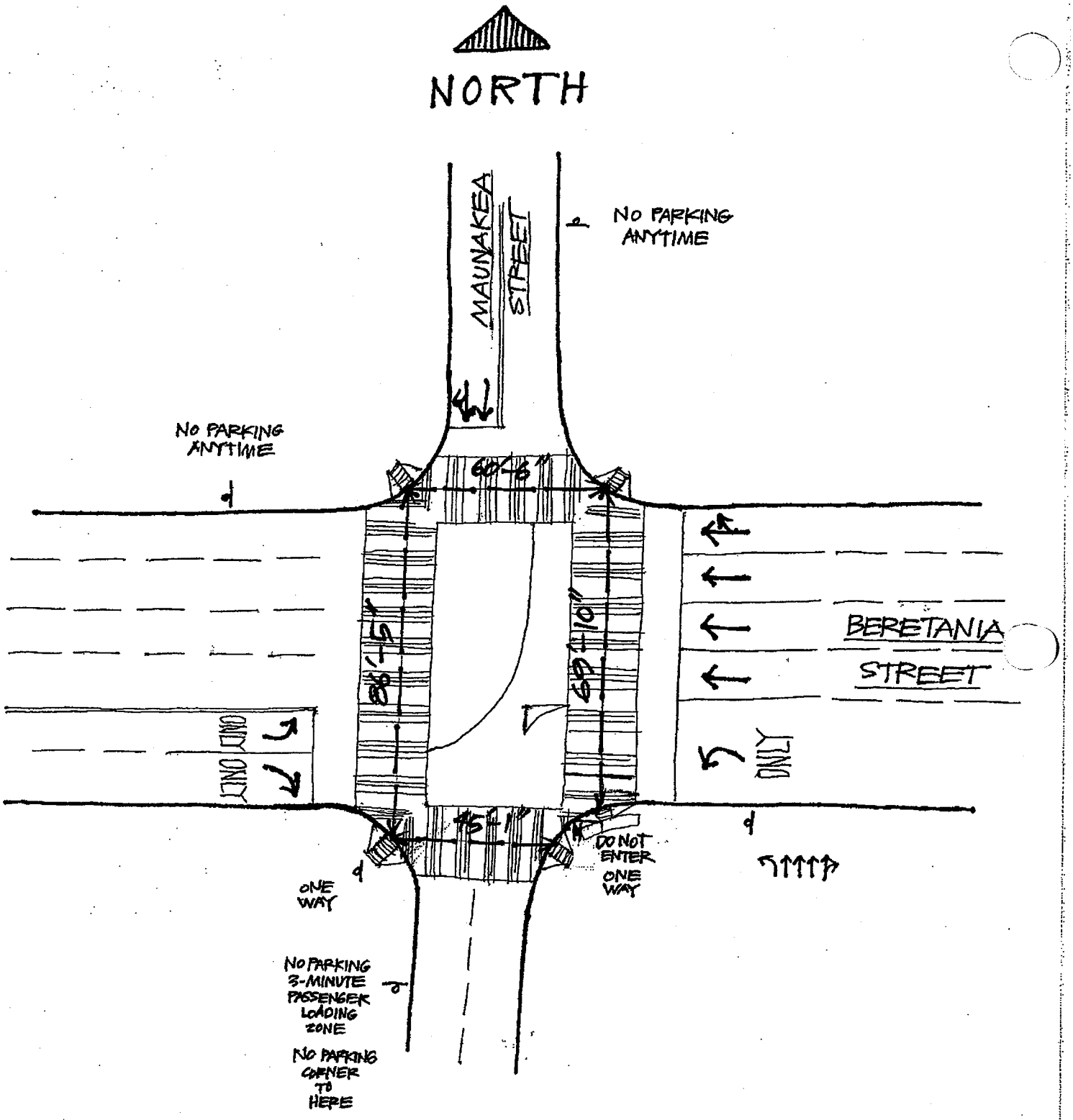
Counter:D4-5674, D4-3889
Counted:DY, RL
Weather:Clear

File Name : BerMau PM
Site Code : 00000042
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Maunakea Street Southbound					Beretania Street Westbound					Maunakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	29	18	29	76	34	341	67	20	462	0	0	0	19	19	37	0	10	31	78	635
04:15 PM	0	32	19	19	70	24	382	79	28	513	0	0	0	18	18	37	0	21	19	77	678
04:30 PM	0	33	8	22	63	14	362	68	16	460	0	0	0	12	12	53	0	19	38	110	645
04:45 PM	0	41	16	20	77	33	415	73	22	543	0	0	0	26	26	46	0	12	37	95	741
Total	0	135	61	90	286	105	1500	287	86	1978	0	0	0	75	75	173	0	62	125	360	2699
05:00 PM	0	37	7	29	73	28	385	64	35	512	0	0	0	41	41	52	0	12	39	103	729
05:15 PM	0	51	14	28	93	31	367	82	30	510	0	0	0	19	19	38	0	23	29	90	712
05:30 PM	0	34	23	20	77	34	309	78	18	439	0	0	0	23	23	41	0	19	27	87	626
05:45 PM	0	28	22	22	72	29	294	38	19	380	0	0	0	29	29	48	0	18	20	86	567
Total	0	150	66	99	315	122	1355	262	102	1841	0	0	0	112	112	179	0	72	115	366	2634
Grand Total	0	285	127	189	601	227	2855	549	188	3819	0	0	0	187	187	352	0	134	240	726	5333
Apprch %	0	47.4	21.1	31.4		5.9	74.8	14.4	4.9		0	0	0	100		48.5	0	18.5	33.1		
Total %	0	5.3	2.4	3.5	11.3	4.3	53.5	10.3	3.5	71.6	0	0	0	3.5	3.5	6.6	0	2.5	4.5	13.6	

	Maunakea Street Southbound					Beretania Street Westbound					Maunakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	33	8	22	63	14	362	68	16	460	0	0	0	12	12	**53**	0	19	38	**110**	645
04:45 PM	0	41	**16**	20	77	**33**	**415**	73	22	**543**	0	0	0	26	26	46	0	12	37	95	**741**
05:00 PM	0	37	7	**29**	73	28	385	64	**35**	512	0	0	0	**41**	**41**	52	0	12	**39**	103	729
05:15 PM	0	**51**	14	28	**93**	31	367	**82**	30	510	0	0	0	19	19	38	0	**23**	29	90	712
Total Volume	0	162	45	99	306	106	1529	287	103	2025	0	0	0	98	98	189	0	66	143	398	2827
% App. Total	0	52.9	14.7	32.4		5.2	75.5	14.2	5.1		0	0	0	100		47.5	0	16.6	35.9		
PHF	.000	.794	.703	.853	.823	.803	.921	.875	.736	.932	.000	.000	.000	.598	.598	.892	.000	.717	.917	.905	.954


NORTH
MAUNAKEA STREET
NO PARKING ANYTIME
NO PARKING ANYTIME
60'-6"
38'-5"
60'-10"
BERETANIA STREET
ONLY
ONLY
45'-1"
DO NOT ENTER ONE WAY
ONE WAY
NO PARKING 3-MINUTE PASSENGER LOADING ZONE
NO PARKING CORNER TO HERE

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5677
Counted:ZW, SW
Weather:Clear

File Name : BerSmi AM
Site Code : 00000043
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Smith Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
06:30 AM	0	0	203	2	12	217	28	0	0	14	42	0	259
06:45 AM	0	0	175	16	18	209	22	0	0	13	35	0	244
Total	0	0	378	18	30	426	50	0	0	27	77	0	503
07:00 AM	0	0	245	0	18	263	40	0	0	19	59	0	322
07:15 AM	0	0	273	0	14	287	34	0	0	14	48	0	335
07:30 AM	0	0	317	0	13	330	36	0	0	19	55	0	385
07:45 AM	0	0	305	0	15	320	35	0	0	30	65	0	385
Total	0	0	1140	0	60	1200	145	0	0	82	227	0	1427
08:00 AM	0	0	305	0	31	336	37	0	0	19	56	0	392
08:15 AM	0	0	244	0	17	261	36	0	0	25	61	0	322
Grand Total	0	0	2067	18	138	2223	268	0	0	153	421	0	2644
Apprch %		0	93	0.8	6.2		63.7	0	0	36.3			
Total %	0	0	78.2	0.7	5.2	84.1	10.1	0	0	5.8	15.9	0	

	Southbound	Beretania Street Westbound					Smith Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	0	0	273	0	14	287	34	0	0	14	48	0	335
07:30 AM	0	0	**317**	0	13	330	36	0	0	19	55	0	385
07:45 AM	0	0	305	0	15	320	35	0	0	**30**	**65**	0	385
08:00 AM	0	0	305	0	**31**	**336**	**37**	0	0	19	56	0	**392**
Total Volume	0	0	1200	0	73	1273	142	0	0	82	224	0	1497
% App. Total		0	94.3	0	5.7		63.4	0	0	36.6			
PHF	.000	.000	.946	.000	.589	.947	.959	.000	.000	.683	.862	.000	.955

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, T-1839
Counted:ZW, SW
Weather:Clear

File Name : BerSmi MIDDAY
Site Code : 00000043
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Smith Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	0	303	0	29	332	52	0	0	27	79	0	411
11:15 AM	0	0	383	0	14	397	53	0	0	6	59	0	456
11:30 AM	0	0	383	0	13	396	63	0	0	16	79	0	475
11:45 AM	0	0	517	0	19	536	83	0	0	20	103	0	639
Total	0	0	1586	0	75	1661	251	0	0	69	320	0	1981
12:00 PM	0	0	391	0	22	413	64	0	0	10	74	0	487
12:15 PM	0	0	389	0	24	413	55	0	0	43	98	0	511
12:30 PM	0	0	377	0	27	404	68	0	0	13	81	0	485
12:45 PM	0	0	352	0	5	357	90	0	0	38	128	0	485
Total	0	0	1509	0	78	1587	277	0	0	104	381	0	1968
Grand Total	0	0	3095	0	153	3248	528	0	0	173	701	0	3949
Apprch %		0	95.3	0	4.7		75.3	0	0	24.7			
Total %	0	0	78.4	0	3.9	82.2	13.4	0	0	4.4	17.8	0	

	Southbound	Beretania Street Westbound					Smith Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 11:45 AM													
11:45 AM	0	0	**517**	0	19	**536**	**83**	0	0	20	**103**	0	**639**
12:00 PM	0	0	391	0	22	413	64	0	0	10	74	0	487
12:15 PM	0	0	389	0	24	413	55	0	0	43	98	0	511
12:30 PM	0	0	377	0	27	404	68	0	0	13	81	0	485
Total Volume	0	0	1674	0	92	1766	270	0	0	86	356	0	2122
% App. Total		0	94.8	0	5.2		75.8	0	0	24.2			
PHF	.000	.000	.809	.000	.852	.824	.813	.000	.000	.500	.864	.000	.830

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

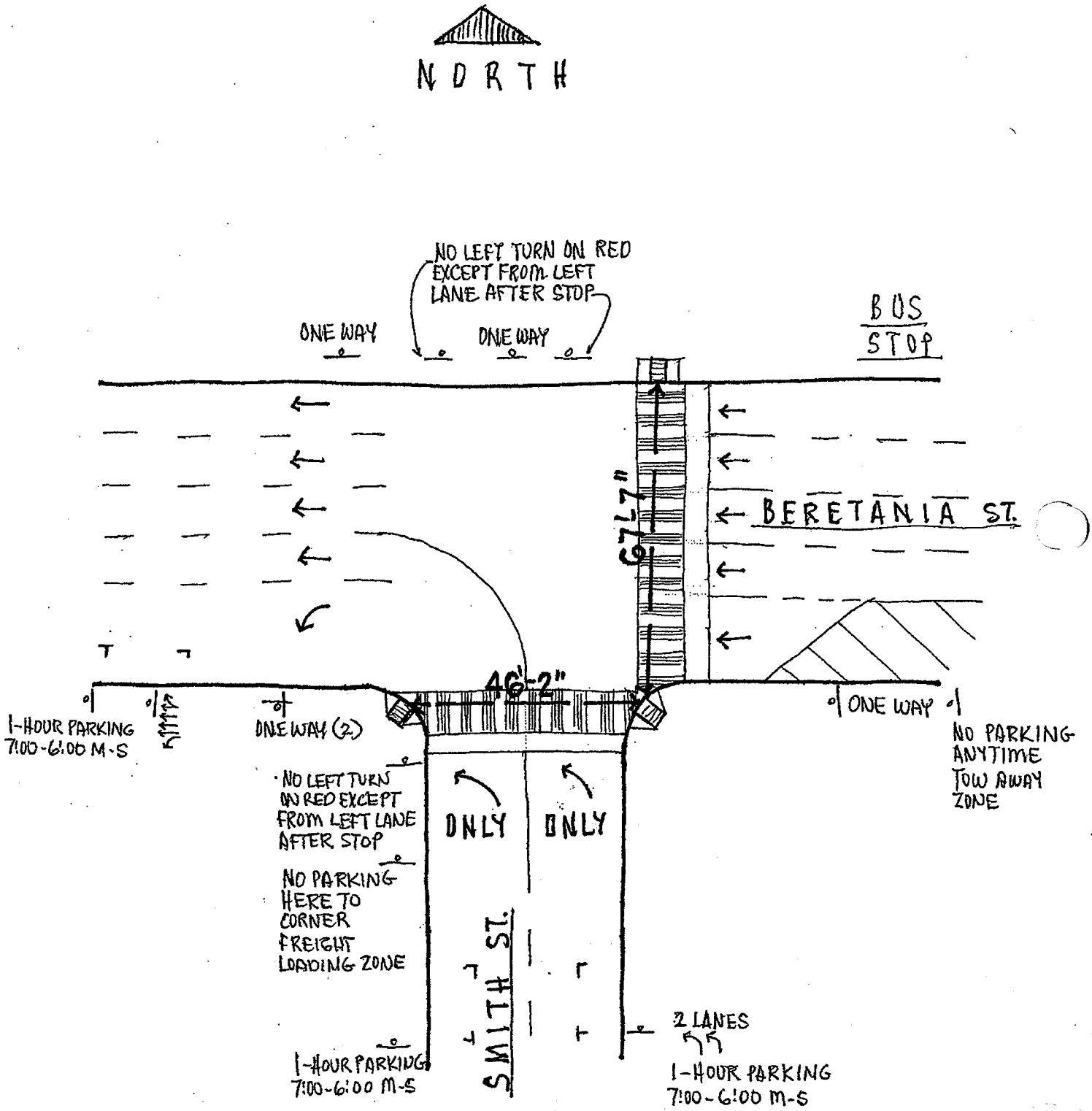
Counter:T-1839, D4-5677
Counted:ZW, SD
Weather:Clear

File Name : BerSmi PM
Site Code : 00000043
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Smith Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	0	0	515	0	13	528	64	0	0	23	87	0	615
04:15 PM	0	0	627	0	29	656	60	0	0	25	85	0	741
04:30 PM	0	0	547	0	21	568	70	0	0	28	98	0	666
04:45 PM	0	0	560	0	22	582	88	0	0	26	114	0	696
Total	0	0	2249	0	85	2334	282	0	0	102	384	0	2718
05:00 PM	0	0	572	0	23	595	74	0	0	28	102	0	697
05:15 PM	0	0	564	0	16	580	74	0	0	26	100	0	680
05:30 PM	0	0	423	0	17	440	70	0	0	15	85	0	525
05:45 PM	0	0	387	0	17	404	57	0	0	36	93	0	497
Total	0	0	1946	0	73	2019	275	0	0	105	380	0	2399
Grand Total	0	0	4195	0	158	4353	557	0	0	207	764	0	5117
Apprch %		0	96.4	0	3.6		72.9	0	0	27.1			
Total %	0	0	82	0	3.1	85.1	10.9	0	0	4	14.9	0	

	Southbound	Beretania Street Westbound					Smith Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:15 PM													
04:15 PM	0	0	**627**	0	**29**	**656**	60	0	0	25	85	0	**741**
04:30 PM	0	0	547	0	21	568	70	0	0	**28**	98	0	666
04:45 PM	0	0	560	0	22	582	**88**	0	0	26	**114**	0	696
05:00 PM	0	0	572	0	23	595	74	0	0	28	102	0	697
Total Volume	0	0	2306	0	95	2401	292	0	0	107	399	0	2800
% App. Total		0	96	0	4		73.2	0	0	26.8			
PHF	.000	.000	.919	.000	.819	.915	.830	.000	.000	.955	.875	.000	.945


NORTH
NO LEFT TURN ON RED EXCEPT FROM LEFT LANE AFTER STOP
ONE WAY
ONE WAY
BUS STOP
BERETANIA ST.
67'-7"
46'-2"
1-HOUR PARKING 7:00-6:00 M-S
ONE WAY (2)
ONE WAY
NO PARKING ANYTIME TOW AWAY ZONE
NO LEFT TURN ON RED EXCEPT FROM LEFT LANE AFTER STOP
ONLY
ONLY
NO PARKING HERE TO CORNER FREIGHT LOADING ZONE
SMITH ST.
2 LANES
1-HOUR PARKING 7:00-6:00 M-S
1-HOUR PARKING 7:00-6:00 M-S

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D405674
Counted:JY, TW
Weather:Clear

File Name : BerNuu AM
Site Code : 00000044
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Beretania Street Westbound					Nuuanu Avenue Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	87	5	11	103	49	162	63	0	274	0	0	0	11	11	0	0	0	13	13	401
06:45 AM	0	137	12	16	165	65	177	80	0	322	0	0	0	12	12	0	0	0	30	30	529
Total	0	224	17	27	268	114	339	143	0	596	0	0	0	23	23	0	0	0	43	43	930
07:00 AM	0	133	26	26	185	72	215	99	0	386	0	0	0	10	10	0	0	0	21	21	602
07:15 AM	0	161	10	28	199	70	239	106	0	415	0	0	0	12	12	0	0	0	30	30	656
07:30 AM	0	193	18	26	237	76	240	144	0	460	0	0	0	5	5	0	0	0	30	30	732
07:45 AM	0	164	21	21	206	108	257	141	0	506	0	0	0	44	44	0	0	0	26	26	782
Total	0	651	75	101	827	326	951	490	0	1767	0	0	0	71	71	0	0	0	107	107	2772
08:00 AM	0	181	14	28	223	94	260	112	0	466	0	0	0	16	16	0	0	0	44	44	749
08:15 AM	0	180	19	18	217	79	216	132	0	427	0	0	0	28	28	0	0	0	24	24	696
Grand Total	0	1236	125	174	1535	613	1766	877	0	3256	0	0	0	138	138	0	0	0	218	218	5147
Apprch %	0	80.5	8.1	11.3		18.8	54.2	26.9	0		0	0	0	100		0	0	0	100		
Total %	0	24	2.4	3.4	29.8	11.9	34.3	17	0	63.3	0	0	0	2.7	2.7	0	0	0	4.2	4.2	

	Nuuanu Avenue Southbound					Beretania Street Westbound					Nuuanu Avenue Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	**193**	18	26	**237**	76	240	**144**	0	460	0	0	0	5	5	0	0	0	30	30	732
07:45 AM	0	164	**21**	21	206	**108**	257	141	0	**506**	0	0	0	**44**	**44**	0	0	0	26	26	**782**
08:00 AM	0	181	14	**28**	223	94	**260**	112	0	466	0	0	0	16	16	0	0	0	**44**	**44**	749
08:15 AM	0	180	19	18	217	79	216	132	0	427	0	0	0	28	28	0	0	0	24	24	696
Total Volume	0	718	72	93	883	357	973	529	0	1859	0	0	0	93	93	0	0	0	124	124	2959
% App. Total	0	81.3	8.2	10.5		19.2	52.3	28.5	0		0	0	0	100		0	0	0	100		
PHF	.000	.930	.857	.830	.931	.826	.936	.918	.000	.918	.000	.000	.000	.528	.528	.000	.000	.000	.705	.705	.946

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5674
Counted:JY, ER
Weather:Clear

File Name : BerNuu MIDDAY
Site Code : 00000044
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Beretania Street Westbound					Nuuanu Avenue Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	76	16	29	121	98	254	128	0	480	0	0	0	11	11	0	0	0	42	42	654
11:15 AM	0	82	16	24	122	76	273	153	1	503	0	0	0	10	10	0	0	0	32	32	667
11:30 AM	0	107	24	22	153	69	268	173	0	510	0	0	0	9	9	0	0	0	34	34	706
11:45 AM	0	61	16	18	95	80	301	189	0	570	0	0	0	30	30	0	0	0	56	56	751
Total	0	326	72	93	491	323	1096	643	1	2063	0	0	0	60	60	0	0	0	164	164	2778
12:00 PM	0	72	18	35	125	54	236	156	0	446	0	0	0	11	11	0	0	0	49	49	631
12:15 PM	0	64	22	29	115	73	270	163	0	506	0	0	0	21	21	0	0	0	34	34	676
12:30 PM	0	73	12	23	108	69	280	161	0	510	0	0	0	9	9	0	0	0	31	31	658
12:45 PM	0	64	18	21	103	78	253	115	1	447	0	0	0	10	10	0	0	0	33	33	593
Total	0	273	70	108	451	274	1039	595	1	1909	0	0	0	51	51	0	0	0	147	147	2558
Grand Total	0	599	142	201	942	597	2135	1238	2	3972	0	0	0	111	111	0	0	0	311	311	5336
Apprch %	0	63.6	15.1	21.3		15	53.8	31.2	0.1		0	0	0	100		0	0	0	100		
Total %	0	11.2	2.7	3.8	17.7	11.2	40	23.2	0	74.4	0	0	0	2.1	2.1	0	0	0	5.8	5.8	

	Nuuanu Avenue Southbound					Beretania Street Westbound					Nuuanu Avenue Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	0	76	16	**29**	121	**98**	254	128	0	480	0	0	0	11	11	0	0	0	42	42	654
11:15 AM	0	82	16	24	122	76	273	153	**1**	503	0	0	0	10	10	0	0	0	32	32	667
11:30 AM	0	**107**	**24**	22	**153**	69	268	173	0	510	0	0	0	9	9	0	0	0	34	34	706
11:45 AM	0	61	16	18	95	80	**301**	**189**	0	**570**	0	0	0	**30**	**30**	0	0	0	**56**	**56**	**751**
Total Volume	0	326	72	93	491	323	1096	643	1	2063	0	0	0	60	60	0	0	0	164	164	2778
% App. Total	0	66.4	14.7	18.9		15.7	53.1	31.2	0		0	0	0	100		0	0	0	100		
PHF	.000	.762	.750	.802	.802	.824	.910	.851	.250	.905	.000	.000	.000	.500	.500	.000	.000	.000	.732	.732	.925

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

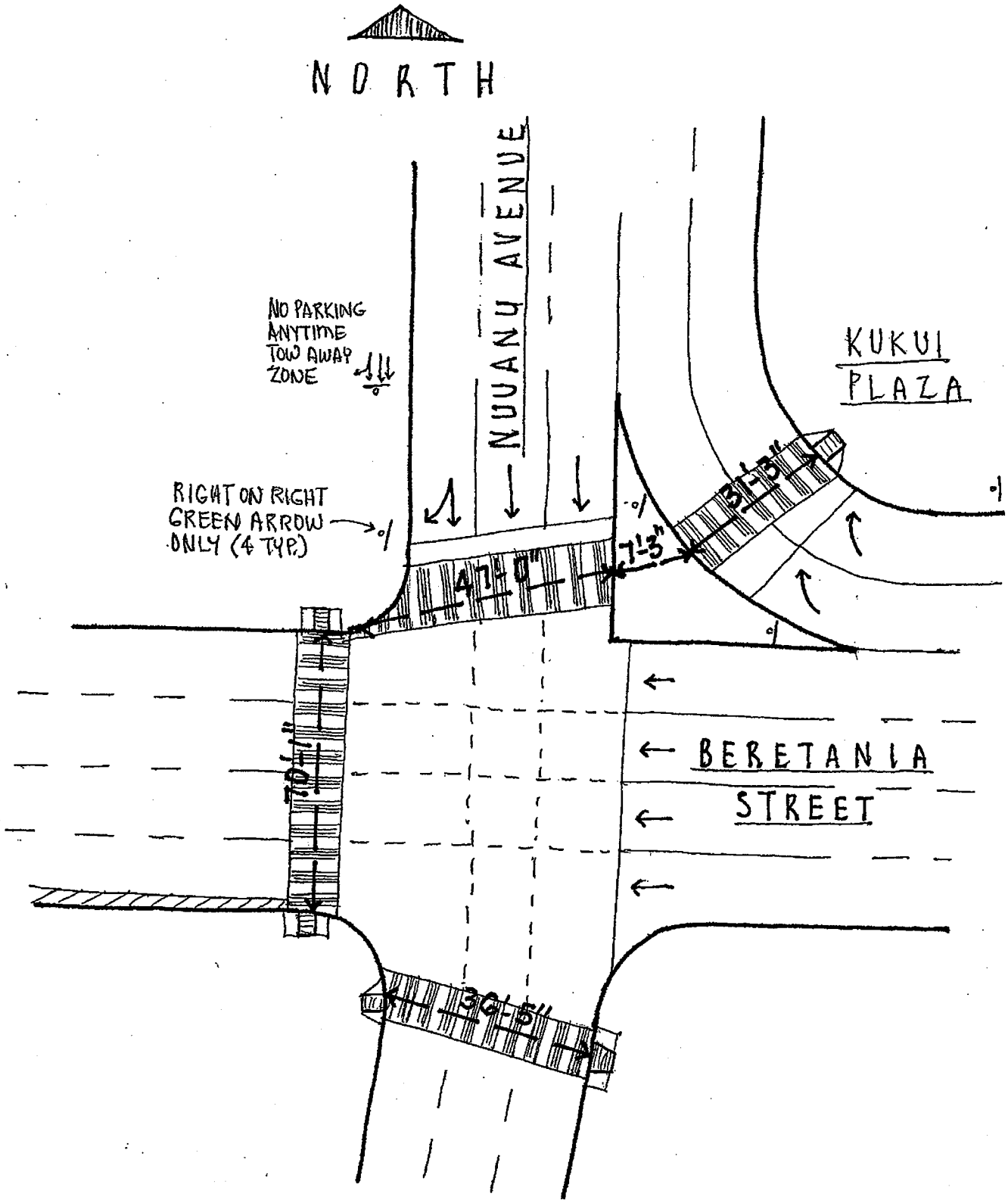
Counter:D4-3891, D4-5674
Counted:JY, KK
Weather:Clear

File Name : BerNuu PM
Site Code : 00000044
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Beretania Street Westbound					Nuuanu Avenue Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	54	14	31	99	68	439	243	0	750	0	0	0	8	8	0	0	0	63	63	920
04:15 PM	0	58	15	27	100	52	477	226	0	755	0	0	0	14	14	0	0	0	67	67	936
04:30 PM	0	43	12	37	92	70	428	272	0	770	0	0	0	2	2	0	0	0	52	52	916
04:45 PM	0	62	7	31	100	60	476	309	0	845	0	0	0	2	2	0	0	0	52	52	999
Total	0	217	48	126	391	250	1820	1050	0	3120	0	0	0	26	26	0	0	0	234	234	3771
05:00 PM	0	55	13	31	99	67	450	261	0	778	0	0	0	5	5	0	0	0	80	80	962
05:15 PM	0	64	20	19	103	46	420	290	0	756	0	0	0	0	0	0	0	0	41	41	900
05:30 PM	0	58	18	15	91	49	381	263	0	693	0	0	0	0	0	0	0	0	32	32	816
05:45 PM	0	41	10	24	75	35	303	195	0	533	0	0	0	10	10	0	0	0	44	44	662
Total	0	218	61	89	368	197	1554	1009	0	2760	0	0	0	15	15	0	0	0	197	197	3340
Grand Total	0	435	109	215	759	447	3374	2059	0	5880	0	0	0	41	41	0	0	0	431	431	7111
Apprch %	0	57.3	14.4	28.3		7.6	57.4	35	0		0	0	0	100		0	0	0	100		
Total %	0	6.1	1.5	3	10.7	6.3	47.4	29	0	82.7	0	0	0	0.6	0.6	0	0	0	6.1	6.1	

	Nuuanu Avenue Southbound					Beretania Street Westbound					Nuuanu Avenue Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	58	**15**	27	**100**	52	**477**	226	0	755	0	0	0	**14**	**14**	0	0	0	67	67	936
04:30 PM	0	43	12	**37**	92	**70**	428	272	0	770	0	0	0	2	2	0	0	0	52	52	916
04:45 PM	0	**62**	7	31	100	60	476	**309**	0	**845**	0	0	0	2	2	0	0	0	52	52	**999**
05:00 PM	0	55	13	31	99	67	450	261	0	778	0	0	0	5	5	0	0	0	**80**	**80**	962
Total Volume	0	218	47	126	391	249	1831	1068	0	3148	0	0	0	23	23	0	0	0	251	251	3813
% App. Total	0	55.8	12	32.2		7.9	58.2	33.9	0		0	0	0	100		0	0	0	100		
PHF	.000	.879	.783	.851	.978	.889	.960	.864	.000	.931	.000	.000	.000	.411	.411	.000	.000	.000	.784	.784	.954


NORTH
NUUANU AVENUE
NO PARKING
ANYTIME
TOW AWAY
ZONE
RIGHT ON RIGHT
GREEN ARROW
ONLY (4 TYP.)
KUKUI
PLAZA
31'-3"
7'-3"
47'-0"
70'-11"
BERETANIA
STREET
36'-5"

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-5672
Counted:JM, AN
Weather:Clear

File Name : BerBet AM
Site Code : 00000045
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Bethel Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
06:30 AM	0	0	255	0	9	264	41	0	0	12	53	0	317
06:45 AM	0	0	269	0	3	272	48	0	0	13	61	0	333
Total	0	0	524	0	12	536	89	0	0	25	114	0	650
07:00 AM	0	0	336	0	13	349	57	0	0	15	72	0	421
07:15 AM	0	0	354	0	11	365	66	0	0	7	73	0	438
07:30 AM	0	0	403	0	8	411	76	0	0	14	90	0	501
07:45 AM	0	0	423	0	14	437	92	0	0	32	124	0	561
Total	0	0	1516	0	46	1562	291	0	0	68	359	0	1921
08:00 AM	0	0	363	0	21	384	80	0	0	24	104	0	488
08:15 AM	0	0	350	0	25	375	74	0	0	15	89	0	464
Grand Total	0	0	2753	0	104	2857	534	0	0	132	666	0	3523
Apprch %		0	96.4	0	3.6		80.2	0	0	19.8			
Total %	0	0	78.1	0	3	81.1	15.2	0	0	3.7	18.9	0	

	Southbound	Beretania Street Westbound					Bethel Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:30 AM													
07:30 AM	0	0	403	0	8	411	76	0	0	14	90	0	501
07:45 AM	0	0	**423**	0	14	**437**	**92**	0	0	**32**	**124**	0	**561**
08:00 AM	0	0	363	0	21	384	80	0	0	24	104	0	488
08:15 AM	0	0	350	0	**25**	375	74	0	0	15	89	0	464
Total Volume	0	0	1539	0	68	1607	322	0	0	85	407	0	2014
% App. Total		0	95.8	0	4.2		79.1	0	0	20.9			
PHF	.000	.000	.910	.000	.680	.919	.875	.000	.000	.664	.821	.000	.898

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-5672
Counted:JM, AN
Weather:Clear

File Name : BerBet MIDDAY
Site Code : 00000045
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Bethel Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	0	386	0	6	392	103	0	0	20	123	0	515
11:15 AM	0	0	392	0	9	401	102	0	0	15	117	0	518
11:30 AM	0	0	392	0	20	412	113	0	0	15	128	0	540
11:45 AM	0	0	441	0	10	451	120	0	0	29	149	0	600
Total	0	0	1611	0	45	1656	438	0	0	79	517	0	2173
12:00 PM	0	0	375	0	10	385	98	0	0	15	113	0	498
12:15 PM	0	0	386	0	30	416	109	0	0	39	148	0	564
12:30 PM	0	0	397	0	22	419	106	0	0	10	116	0	535
12:45 PM	0	0	339	0	21	360	95	0	0	20	115	0	475
Total	0	0	1497	0	83	1580	408	0	0	84	492	0	2072
Grand Total	0	0	3108	0	128	3236	846	0	0	163	1009	0	4245
Apprch %		0	96	0	4		83.8	0	0	16.2			
Total %	0	0	73.2	0	3	76.2	19.9	0	0	3.8	23.8	0	

	Southbound	Beretania Street Westbound					Bethel Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 11:30 AM													
11:30 AM	0	0	392	0	20	412	113	0	0	15	128	0	540
11:45 AM	0	0	**441**	0	10	**451**	**120**	0	0	29	**149**	0	**600**
12:00 PM	0	0	375	0	10	385	98	0	0	15	113	0	498
12:15 PM	0	0	386	0	**30**	416	109	0	0	**39**	148	0	564
Total Volume	0	0	1594	0	70	1664	440	0	0	98	538	0	2202
% App. Total		0	95.8	0	4.2		81.8	0	0	18.2			
PHF	.000	.000	.904	.000	.583	.922	.917	.000	.000	.628	.903	.000	.918

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

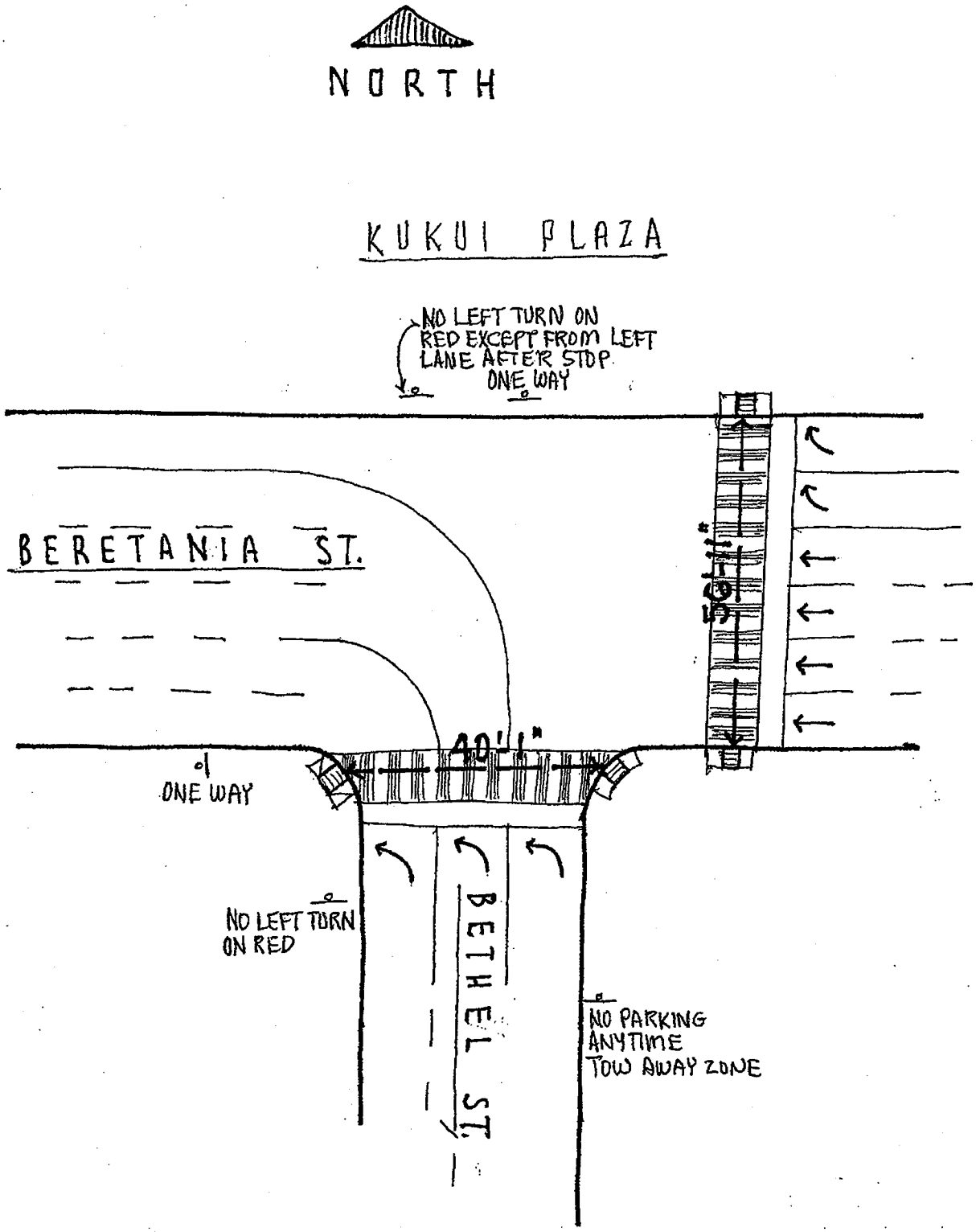
Counter:D4-5671, D4-5672
Counted:JM, WA
Weather:Clear

File Name : BerBet PM
Site Code : 00000045
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Bethel Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	0	0	462	128	6	596	172	0	0	20	192	0	788
04:15 PM	0	0	451	121	3	575	167	0	0	11	178	0	753
04:30 PM	0	0	447	132	3	582	224	0	0	26	250	0	832
04:45 PM	0	0	412	164	18	594	246	0	0	33	279	0	873
Total	0	0	1772	545	30	2347	809	0	0	90	899	0	3246
05:00 PM	0	0	449	132	7	588	215	0	0	22	237	0	825
05:15 PM	0	0	401	146	1	548	213	0	0	16	229	0	777
05:30 PM	0	0	359	126	3	488	181	0	0	10	191	0	679
05:45 PM	0	0	313	84	1	398	128	0	0	22	150	0	548
Total	0	0	1522	488	12	2022	737	0	0	70	807	0	2829
Grand Total	0	0	3294	1033	42	4369	1546	0	0	160	1706	0	6075
Apprch %		0	75.4	23.6	1		90.6	0	0	9.4			
Total %	0	0	54.2	17	0.7	71.9	25.4	0	0	2.6	28.1	0	

	Southbound	Beretania Street Westbound					Bethel Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:30 PM													
04:30 PM	0	0	447	132	3	582	224	0	0	26	250	0	832
04:45 PM	0	0	412	**164**	**18**	**594**	**246**	0	0	**33**	**279**	0	**873**
05:00 PM	0	0	**449**	132	7	588	215	0	0	22	237	0	825
05:15 PM	0	0	401	146	1	548	213	0	0	16	229	0	777
Total Volume	0	0	1709	574	29	2312	898	0	0	97	995	0	3307
% App. Total		0	73.9	24.8	1.3		90.3	0	0	9.7			
PHF	.000	.000	.952	.875	.403	.973	.913	.000	.000	.735	.892	.000	.947


NORTH
KUKUI PLAZA
NO LEFT TURN ON RED EXCEPT FROM LEFT LANE AFTER STOP
ONE WAY
BERETANIA ST.
57'11"
40'1"
ONE WAY
NO LEFT TURN ON RED
BETHEL ST.
NO PARKING ANYTIME TOW AWAY ZONE

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5675
Counted:DY, RL
Weather:Clear

File Name : BerFt.St. AM
Site Code : 00000046
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Ft. Street Mall Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	45	14	59	0	212	0	25	237	0	0	0	0	40	40	336
06:45 AM	0	0	49	33	82	0	215	0	31	246	0	0	0	0	50	50	378
Total	0	0	94	47	141	0	427	0	56	483	0	0	0	0	90	90	714
07:00 AM	0	0	44	24	68	0	285	0	34	319	0	0	0	0	64	64	451
07:15 AM	0	0	45	25	70	0	278	0	33	311	0	0	0	0	82	82	463
07:30 AM	0	0	48	28	76	0	341	0	26	367	0	0	0	0	97	97	540
07:45 AM	0	0	62	44	106	0	352	0	38	390	0	0	0	0	102	102	598
Total	0	0	199	121	320	0	1256	0	131	1387	0	0	0	0	345	345	2052
08:00 AM	0	0	42	18	60	0	318	0	14	332	0	0	0	0	95	95	487
08:15 AM	0	0	54	16	70	0	302	0	22	324	0	0	0	0	80	80	474
Grand Total	0	0	389	202	591	0	2303	0	223	2526	0	0	0	0	610	610	3727
Apprch %	0	0	65.8	34.2		0	91.2	0	8.8			0	0	0	100		
Total %	0	0	10.4	5.4	15.9	0	61.8	0	6	67.8	0	0	0	0	16.4	16.4	

	Ft. Street Mall Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	0	0	48	28	76	0	341	0	26	367	0	0	0	0	97	97	540
07:45 AM	0	0	**62**	**44**	**106**	0	**352**	0	**38**	**390**	0	0	0	0	**102**	**102**	**598**
08:00 AM	0	0	42	18	60	0	318	0	14	332	0	0	0	0	95	95	487
08:15 AM	0	0	54	16	70	0	302	0	22	324	0	0	0	0	80	80	474
Total Volume	0	0	206	106	312	0	1313	0	100	1413	0	0	0	0	374	374	2099
% App. Total	0	0	66	34		0	92.9	0	7.1			0	0	0	100		
PHF	.000	.000	.831	.602	.736	.000	.933	.000	.658	.906	.000	.000	.000	.000	.917	.917	.878

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5675
Counted:DY, RL
Weather:Clear

File Name : BerFt.St. MIDDAY
Site Code : 00000046
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Ft. Street Mall Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	43	17	60	0	343	0	22	365	0	0	0	0	54	54	479
11:15 AM	0	0	57	7	64	0	330	0	12	342	0	0	0	0	55	55	461
11:30 AM	0	0	48	5	53	0	335	0	15	350	0	0	0	0	84	84	487
11:45 AM	0	0	46	9	55	0	371	0	12	383	0	0	0	0	65	65	503
Total	0	0	194	38	232	0	1379	0	61	1440	0	0	0	0	258	258	1930
12:00 PM	0	0	51	14	65	0	285	0	14	299	0	0	0	0	96	96	460
12:15 PM	0	0	52	15	67	0	335	0	17	352	0	0	0	0	73	73	492
12:30 PM	0	0	56	10	66	0	332	0	15	347	0	0	0	0	75	75	488
12:45 PM	0	0	44	4	48	0	294	0	14	308	0	0	0	0	91	91	447
Total	0	0	203	43	246	0	1246	0	60	1306	0	0	0	0	335	335	1887
Grand Total	0	0	397	81	478	0	2625	0	121	2746	0	0	0	0	593	593	3817
Apprch %	0	0	83.1	16.9		0	95.6	0	4.4			0	0	0	100		
Total %	0	0	10.4	2.1	12.5	0	68.8	0	3.2	71.9	0	0	0	0	15.5	15.5	

	Ft. Street Mall Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:45 AM																	
11:45 AM	0	0	46	9	55	0	**371**	0	12	**383**	0	0	0	0	65	65	**503**
12:00 PM	0	0	51	14	65	0	285	0	14	299	0	0	0	0	**96**	**96**	460
12:15 PM	0	0	52	**15**	**67**	0	335	0	**17**	352	0	0	0	0	73	73	492
12:30 PM	0	0	**56**	10	66	0	332	0	15	347	0	0	0	0	75	75	488
Total Volume	0	0	205	48	253	0	1323	0	58	1381	0	0	0	0	309	309	1943
% App. Total	0	0	81	19		0	95.8	0	4.2			0	0	0	100		
PHF	.000	.000	.915	.800	.944	.000	.892	.000	.853	.901	.000	.000	.000	.000	.805	.805	.966

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

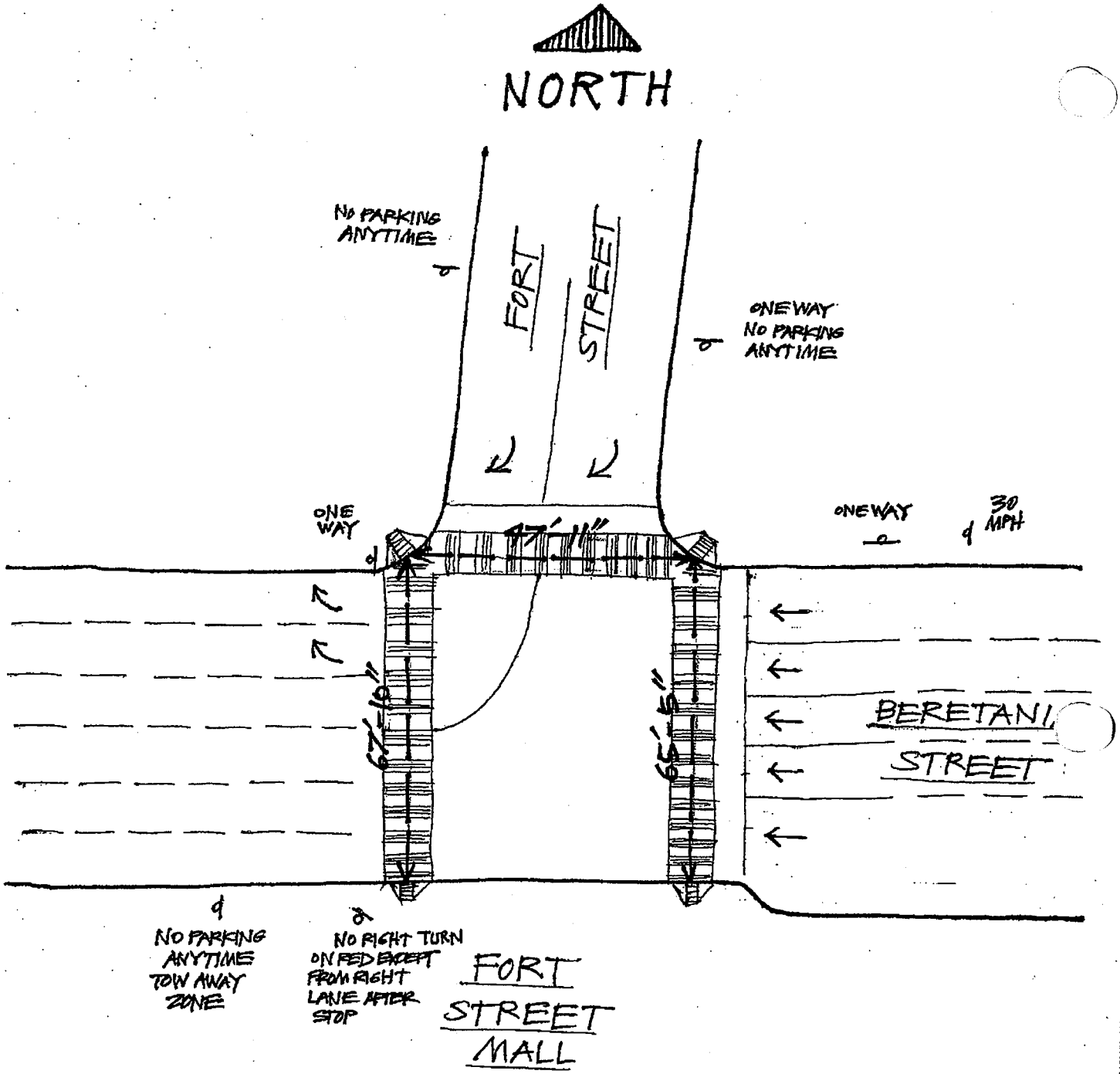
Counter:D4-3890, D4-5675
Counted:DY, RL
Weather:Clear

File Name : BerFt. St. PM
Site Code : 00000046
Start Date : 6/4/2008
Page No : 1

Groups Printed- Unshifted

	Ft. Street Mall Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	50	24	74	0	564	0	14	578	0	0	0	0	81	81	733
04:15 PM	0	0	44	20	64	0	552	0	10	562	0	0	0	0	81	81	707
04:30 PM	0	0	38	28	66	0	555	0	20	575	0	0	0	0	122	122	763
04:45 PM	0	0	50	26	76	0	539	0	13	552	0	0	0	0	103	103	731
Total	0	0	182	98	280	0	2210	0	57	2267	0	0	0	0	387	387	2934
05:00 PM	0	0	42	25	67	0	541	0	9	550	0	0	0	0	145	145	762
05:15 PM	0	0	43	12	55	0	502	0	8	510	0	0	0	0	111	111	676
05:30 PM	0	0	27	12	39	0	458	0	8	466	0	0	0	0	77	77	582
05:45 PM	0	0	32	15	47	0	361	0	6	367	0	0	0	0	82	82	496
Total	0	0	144	64	208	0	1862	0	31	1893	0	0	0	0	415	415	2516
Grand Total	0	0	326	162	488	0	4072	0	88	4160	0	0	0	0	802	802	5450
Apprch %	0	0	66.8	33.2		0	97.9	0	2.1			0	0	0	100		
Total %	0	0	6	3	9	0	74.7	0	1.6	76.3	0	0	0	0	14.7	14.7	

	Ft. Street Mall Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	0	0	44	20	64	0	552	0	10	562	0	0	0	0	81	81	707
04:30 PM	0	0	38	**28**	66	0	**555**	0	**20**	**575**	0	0	0	0	122	122	**763**
04:45 PM	0	0	**50**	26	**76**	0	539	0	13	552	0	0	0	0	103	103	731
05:00 PM	0	0	42	25	67	0	541	0	9	550	0	0	0	0	**145**	**145**	762
Total Volume	0	0	174	99	273	0	2187	0	52	2239	0	0	0	0	451	451	2963
% App. Total	0	0	63.7	36.3		0	97.7	0	2.3			0	0	0	100		
PHF	.000	.000	.870	.884	.898	.000	.985	.000	.650	.973	.000	.000	.000	.000	.778	.778	.971


NORTH
NO PARKING ANYTIME
FORT
STREET
ONEWAY NO PARKING ANYTIME
ONE WAY
47'-11"
ONEWAY
30 MPH
BERETANI
STREET
NO PARKING ANYTIME TOW AWAY ZONE
NO RIGHT TURN ON RED EXCEPT FROM RIGHT LANE AFTER STOP
FORT STREET MALL

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5675
Counted:ER, JY
Weather:Clear

File Name : BerBis AM
Site Code : 00000047
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Southbound					Beretania Street Westbound					Bishop Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	373	2	41	416	52	207	0	30	289	0	0	0	28	28	0	0	0	20	20	753
06:45 AM	0	421	1	35	457	80	226	0	26	332	0	0	0	26	26	0	0	0	9	9	824
Total	0	794	3	76	873	132	433	0	56	621	0	0	0	54	54	0	0	0	29	29	1577
07:00 AM	0	408	2	59	469	104	280	0	25	409	0	0	0	15	15	0	0	0	15	15	908
07:15 AM	0	473	3	37	513	122	295	0	51	468	0	0	0	34	34	0	0	0	19	19	1034
07:30 AM	0	496	3	28	527	137	342	0	40	519	0	0	0	36	36	0	0	0	11	11	1093
07:45 AM	0	498	2	48	548	137	281	18	48	484	0	0	0	41	41	0	0	0	19	19	1092
Total	0	1875	10	172	2057	500	1198	18	164	1880	0	0	0	126	126	0	0	0	64	64	4127
08:00 AM	0	515	3	35	553	123	316	0	59	498	0	0	0	41	41	0	0	0	15	15	1107
08:15 AM	0	482	5	31	518	131	302	0	49	482	0	0	0	26	26	0	0	0	22	22	1048
Grand Total	0	3666	21	314	4001	886	2249	18	328	3481	0	0	0	247	247	0	0	0	130	130	7859
Apprch %	0	91.6	0.5	7.8		25.5	64.6	0.5	9.4		0	0	0	100		0	0	0	100		
Total %	0	46.6	0.3	4	50.9	11.3	28.6	0.2	4.2	44.3	0	0	0	3.1	3.1	0	0	0	1.7	1.7	

	Pali Highway Southbound					Beretania Street Westbound					Bishop Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	496	3	28	527	**137**	**342**	0	40	**519**	0	0	0	36	36	0	0	0	11	11	1093
07:45 AM	0	498	2	**48**	548	137	281	**18**	48	484	0	0	0	**41**	**41**	0	0	0	19	19	1092
08:00 AM	0	**515**	3	35	**553**	123	316	0	**59**	498	0	0	0	41	41	0	0	0	15	15	**1107**
08:15 AM	0	482	**5**	31	518	131	302	0	49	482	0	0	0	26	26	0	0	0	**22**	**22**	1048
Total Volume	0	1991	13	142	2146	528	1241	18	196	1983	0	0	0	144	144	0	0	0	67	67	4340
% App. Total	0	92.8	0.6	6.6		26.6	62.6	0.9	9.9		0	0	0	100		0	0	0	100		
PHF	.000	.967	.650	.740	.970	.964	.907	.250	.831	.955	.000	.000	.000	.878	.878	.000	.000	.000	.761	.761	.980

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5675
Counted:ER, JY
Weather:Clear

File Name : BerBis MIDDAY
Site Code : 00000047
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Southbound					Beretania Street Westbound					Bishop Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	235	4	28	267	106	328	0	30	464	0	0	0	19	19	0	0	0	19	19	769
11:15 AM	0	221	6	25	252	83	309	0	45	437	0	0	0	58	58	0	0	0	10	10	757
11:30 AM	0	268	6	42	316	82	309	0	42	433	0	0	0	35	35	0	0	0	31	31	815
11:45 AM	0	194	4	23	221	114	337	0	31	482	0	0	0	31	31	0	0	0	22	22	756
Total	0	918	20	118	1056	385	1283	0	148	1816	0	0	0	143	143	0	0	0	82	82	3097
12:00 PM	0	261	2	35	298	101	335	0	50	486	0	0	0	33	33	0	0	0	29	29	846
12:15 PM	0	210	2	18	230	79	337	0	44	460	0	0	0	36	36	0	0	0	34	34	760
12:30 PM	0	236	5	41	282	97	309	0	26	432	0	0	0	35	35	0	0	0	20	20	769
12:45 PM	0	272	3	32	307	84	301	0	53	438	0	0	0	32	32	0	0	0	15	15	792
Total	0	979	12	126	1117	361	1282	0	173	1816	0	0	0	136	136	0	0	0	98	98	3167
Grand Total	0	1897	32	244	2173	746	2565	0	321	3632	0	0	0	279	279	0	0	0	180	180	6264
Apprch %	0	87.3	1.5	11.2		20.5	70.6	0	8.8		0	0	0	100		0	0	0	100		
Total %	0	30.3	0.5	3.9	34.7	11.9	40.9	0	5.1	58	0	0	0	4.5	4.5	0	0	0	2.9	2.9	

	Pali Highway Southbound					Beretania Street Westbound					Bishop Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	0	**268**	**6**	**42**	**316**	82	309	0	42	433	0	0	0	35	35	0	0	0	31	31	815
11:45 AM	0	194	4	23	221	**114**	**337**	0	31	482	0	0	0	31	31	0	0	0	22	22	756
12:00 PM	0	261	2	35	298	101	335	0	**50**	**486**	0	0	0	33	33	0	0	0	29	29	**846**
12:15 PM	0	210	2	18	230	79	337	0	44	460	0	0	0	**36**	**36**	0	0	0	**34**	**34**	760
Total Volume	0	933	14	118	1065	376	1318	0	167	1861	0	0	0	135	135	0	0	0	116	116	3177
% App. Total	0	87.6	1.3	11.1		20.2	70.8	0	9		0	0	0	100		0	0	0	100		
PHF	.000	.870	.583	.702	.843	.825	.978	.000	.835	.957	.000	.000	.000	.938	.938	.000	.000	.000	.853	.853	.939

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5675
Counted:ER, JY
Weather:Clear

File Name : BerBis PM
Site Code : 00000047
Start Date : 6/5/2008
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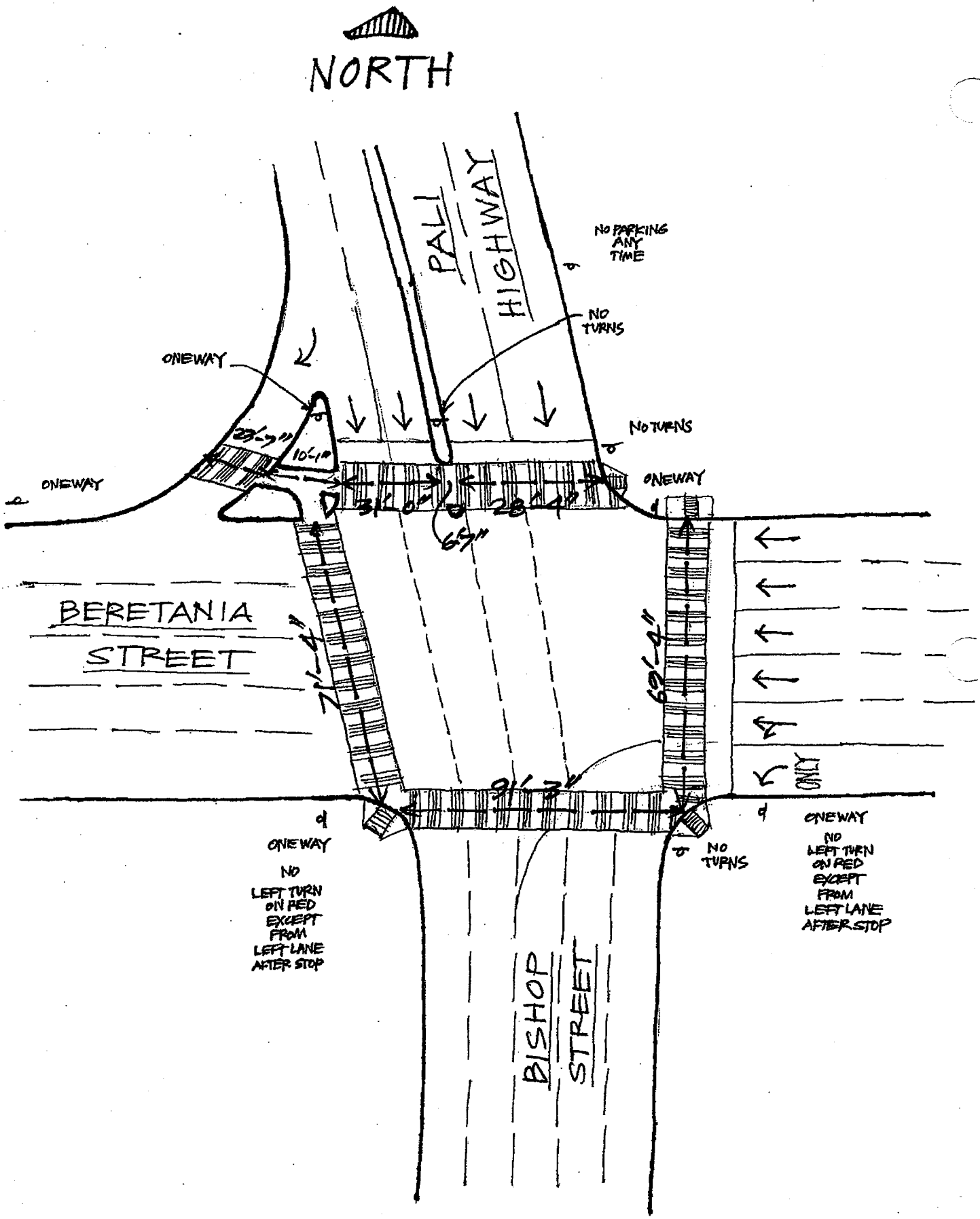
Groups Printed- Unshifted

	Pali Highway Southbound					Beretania Street Westbound					Bishop Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	171	1	40	212	94	492	0	84	670	0	0	0	35	35	0	0	0	29	29	946
04:15 PM	0	251	8	43	302	103	501	0	62	666	0	0	0	28	28	0	0	0	25	25	1021
04:30 PM	0	233	4	56	293	110	547	0	101	758	0	0	0	50	50	0	0	0	28	28	1129
04:45 PM	0	246	2	60	308	103	553	0	93	749	0	0	0	33	33	0	0	0	32	32	1122
Total	0	901	15	199	1115	410	2093	0	340	2843	0	0	0	146	146	0	0	0	114	114	4218
05:00 PM	0	228	6	61	295	112	473	0	111	696	0	0	0	57	57	0	0	0	61	61	1109
05:15 PM	0	234	2	39	275	83	446	0	75	604	0	0	0	33	33	0	0	0	15	15	927
05:30 PM	0	203	3	54	260	55	378	0	34	467	0	0	0	25	25	0	0	0	17	17	769
05:45 PM	0	208	4	26	238	63	335	0	41	439	0	0	0	19	19	0	0	0	12	12	708
Total	0	873	15	180	1068	313	1632	0	261	2206	0	0	0	134	134	0	0	0	105	105	3513
Grand Total	0	1774	30	379	2183	723	3725	0	601	5049	0	0	0	280	280	0	0	0	219	219	7731
Apprch %	0	81.3	1.4	17.4		14.3	73.8	0	11.9		0	0	0	100		0	0	0	100		
Total %	0	22.9	0.4	4.9	28.2	9.4	48.2	0	7.8	65.3	0	0	0	3.6	3.6	0	0	0	2.8	2.8	

	Pali Highway Southbound					Beretania Street Westbound					Bishop Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	**251**	**8**	43	302	103	501	0	62	666	0	0	0	28	28	0	0	0	25	25	1021
04:30 PM	0	233	4	56	293	110	547	0	101	**758**	0	0	0	50	50	0	0	0	28	28	**1129**
04:45 PM	0	246	2	60	**308**	103	**553**	0	93	749	0	0	0	33	33	0	0	0	32	32	1122
05:00 PM	0	228	6	**61**	295	**112**	473	0	**111**	696	0	0	0	**57**	**57**	0	0	0	**61**	**61**	1109
Total Volume	0	958	20	220	1198	428	2074	0	367	2869	0	0	0	168	168	0	0	0	146	146	4381
% App. Total	0	80	1.7	18.4		14.9	72.3	0	12.8		0	0	0	100		0	0	0	100		
PHF	.000	.954	.625	.902	.972	.955	.938	.000	.827	.946	.000	.000	.000	.737	.737	.000	.000	.000	.598	.598	.970


NORTH
PALI HIGHWAY
NO PARKING ANY TIME
NO TURNS
ONEWAY
NO TURNS
ONEWAY
ONEWAY
23'-7"
10'-1"
31'-0"
28'-4"
65'
BERETANIA STREET
71'-4"
69'-4"
91'-3"
ONLY
ONEWAY
NO LEFT TURN ON RED EXCEPT FROM LEFT LANE AFTER STOP
NO TURNS
ONEWAY
NO LEFT TURN ON RED EXCEPT FROM LEFT LANE AFTER STOP
BISHOP STREET

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-3889
Counted:DY, SW
Weather:Clear

File Name : BerAla AM
Site Code : 00000048
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Alakea Street Southbound					Beretania Street Westbound					Alakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	20	20	0	212	36	11	259	39	93	0	18	150	0	0	0	14	14	443
06:45 AM	0	0	0	6	6	0	263	47	20	330	46	112	0	42	200	0	0	0	16	16	552
Total	0	0	0	26	26	0	475	83	31	589	85	205	0	60	350	0	0	0	30	30	995
07:00 AM	0	0	0	14	14	0	319	47	22	388	53	128	0	34	215	0	0	0	16	16	633
07:15 AM	0	0	0	7	7	0	259	83	38	380	78	147	0	24	249	0	0	0	19	19	655
07:30 AM	0	0	0	8	8	0	355	95	33	483	75	138	0	39	252	0	0	0	34	34	777
07:45 AM	0	0	0	11	11	0	352	70	45	467	73	139	0	33	245	0	0	0	19	19	742
Total	0	0	0	40	40	0	1285	295	138	1718	279	552	0	130	961	0	0	0	88	88	2807
08:00 AM	0	0	0	13	13	0	323	59	53	435	95	125	0	35	255	0	0	0	17	17	720
08:15 AM	0	0	0	13	13	0	339	59	23	421	94	144	0	21	259	0	0	0	17	17	710
Grand Total	0	0	0	92	92	0	2422	496	245	3163	553	1026	0	246	1825	0	0	0	152	152	5232
Apprch %	0	0	0	100		0	76.6	15.7	7.7		30.3	56.2	0	13.5		0	0	0	100		
Total %	0	0	0	1.8	1.8	0	46.3	9.5	4.7	60.5	10.6	19.6	0	4.7	34.9	0	0	0	2.9	2.9	

	Alakea Street Southbound					Beretania Street Westbound					Alakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	0	0	8	8	0	**355**	**95**	33	**483**	**75**	138	0	**39**	252	0	0	0	**34**	**34**	**777**
07:45 AM	0	0	0	11	11	0	352	70	45	467	73	139	0	33	245	0	0	0	19	19	742
08:00 AM	0	0	0	**13**	**13**	0	323	59	**53**	435	**95**	125	0	35	255	0	0	0	17	17	720
08:15 AM	0	0	0	13	13	0	339	59	23	421	94	**144**	0	21	**259**	**0**	0	0	17	17	710
Total Volume	0	0	0	45	45	0	1369	283	154	1806	337	546	0	128	1011	0	0	0	87	87	2949
% App. Total	0	0	0	100		0	75.8	15.7	8.5		33.3	54	0	12.7		0	0	0	100		
PHF	.000	.000	.000	.865	.865	.000	.964	.745	.726	.935	.887	.948	.000	.821	.976	.000	.000	.000	.640	.640	.949

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-3889
Counted:DY, SW
Weather:Clear

File Name : BerAla MIDDAY
Site Code : 00000048
Start Date : 6/5/2008
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Groups Printed- Unshifted

	Alakea Street Southbound					Beretania Street Westbound					Alakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	19	19	0	303	98	23	424	94	181	0	29	304	0	0	0	17	17	764
11:15 AM	0	0	0	22	22	0	299	55	45	399	88	207	0	58	353	0	0	0	32	32	806
11:30 AM	0	0	0	14	14	0	297	115	58	470	82	208	0	35	325	0	0	0	26	26	835
11:45 AM	0	0	0	20	20	0	302	94	31	427	101	208	0	47	356	0	0	0	17	17	820
Total	0	0	0	75	75	0	1201	362	157	1720	365	804	0	169	1338	0	0	0	92	92	3225
12:00 PM	0	0	0	11	11	0	327	91	18	436	79	194	0	49	322	0	0	0	36	36	805
12:15 PM	0	0	0	23	23	0	328	71	21	420	87	162	0	51	300	0	0	0	35	35	778
12:30 PM	0	0	0	12	12	0	305	94	24	423	86	196	0	61	343	0	0	0	15	15	793
12:45 PM	0	0	0	17	17	0	243	76	42	361	98	174	0	45	317	0	0	0	16	16	711
Total	0	0	0	63	63	0	1203	332	105	1640	350	726	0	206	1282	0	0	0	102	102	3087
Grand Total	0	0	0	138	138	0	2404	694	262	3360	715	1530	0	375	2620	0	0	0	194	194	6312
Apprch %	0	0	0	100		0	71.5	20.7	7.8		27.3	58.4	0	14.3		0	0	0	100		
Total %	0	0	0	2.2	2.2	0	38.1	11	4.2	53.2	11.3	24.2	0	5.9	41.5	0	0	0	3.1	3.1	

	Alakea Street Southbound					Beretania Street Westbound					Alakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	0	0	0	**22**	**22**	0	299	55	45	399	88	207	0	**58**	353	0	0	0	32	32	806
11:30 AM	0	0	0	14	14	0	297	**115**	**58**	**470**	82	**208**	0	35	325	0	0	0	26	26	**835**
11:45 AM	0	0	0	20	20	0	302	94	31	427	**101**	208	0	47	**356**	0	0	0	17	17	820
12:00 PM	0	0	0	11	11	0	**327**	91	18	436	79	194	0	49	322	0	0	0	**36**	**36**	805
Total Volume	0	0	0	67	67	0	1225	355	152	1732	350	817	0	189	1356	0	0	0	111	111	3266
% App. Total	0	0	0	100		0	70.7	20.5	8.8		25.8	60.3	0	13.9		0	0	0	100		
PHF	.000	.000	.000	.761	.761	.000	.937	.772	.655	.921	.866	.982	.000	.815	.952	.000	.000	.000	.771	.771	.978

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-3889
Counted:DY, SW
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File Name : BerAla PM
Site Code : 00000048
Start Date : 6/5/2008
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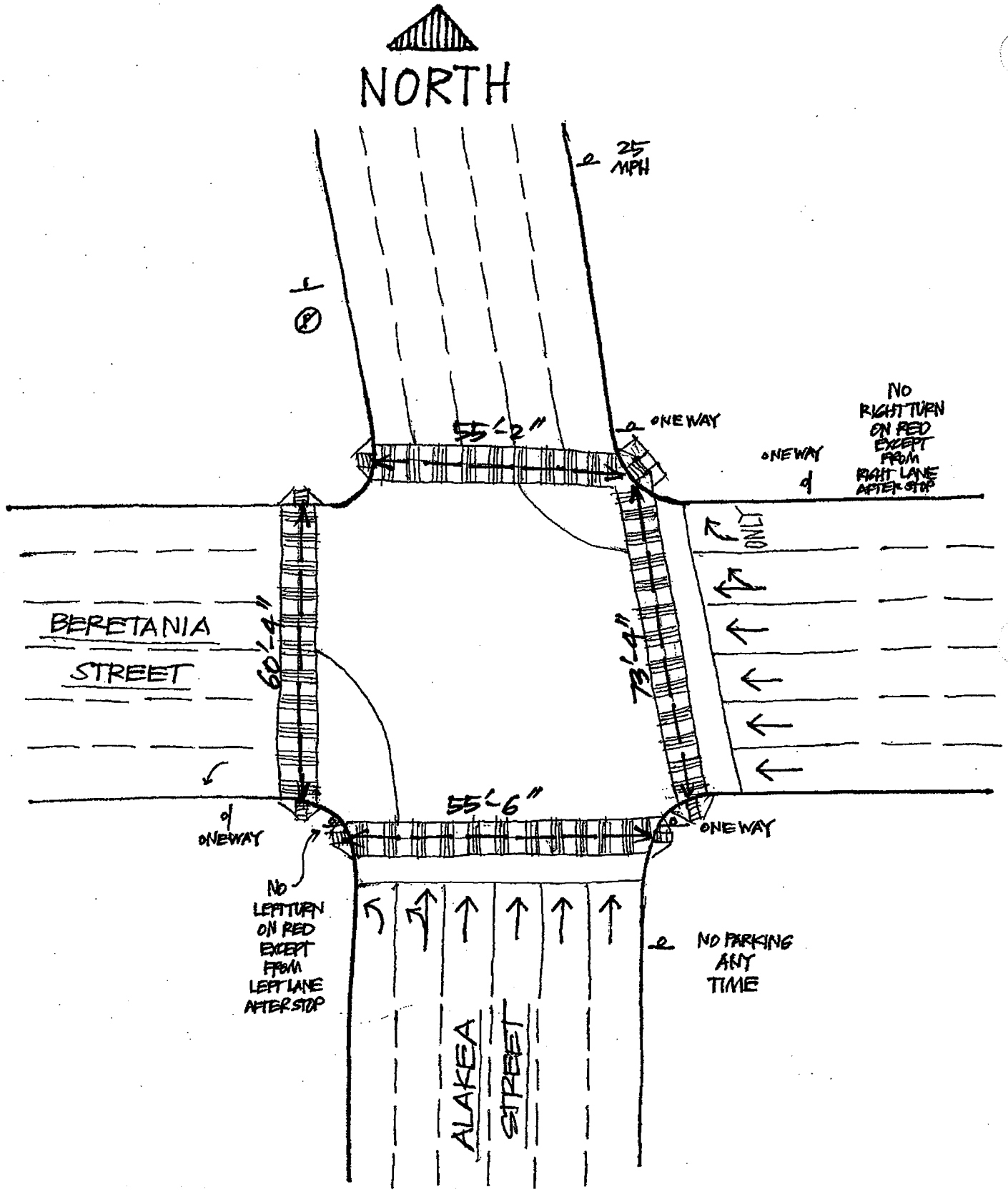
Groups Printed- Unshifted

	Alakea Street Southbound					Beretania Street Westbound					Alakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	23	23	0	369	137	25	531	109	398	0	36	543	0	0	0	33	33	1130
04:15 PM	0	0	0	18	18	0	473	141	22	636	128	377	0	36	541	0	0	0	18	18	1213
04:30 PM	0	0	0	17	17	0	476	168	38	682	140	425	0	52	617	0	0	0	40	40	1356
04:45 PM	0	0	0	17	17	0	499	169	28	696	128	421	0	27	576	0	0	0	19	19	1308
Total	0	0	0	75	75	0	1817	615	113	2545	505	1621	0	151	2277	0	0	0	110	110	5007
05:00 PM	0	0	0	13	13	0	436	152	37	625	132	407	0	42	581	0	0	0	42	42	1261
05:15 PM	0	0	0	19	19	0	406	133	31	570	128	431	0	23	582	0	0	0	21	21	1192
05:30 PM	0	0	0	13	13	0	302	119	23	444	101	365	0	20	486	0	0	0	10	10	953
05:45 PM	0	0	0	19	19	0	310	62	5	377	75	335	0	16	426	0	0	0	13	13	835
Total	0	0	0	64	64	0	1454	466	96	2016	436	1538	0	101	2075	0	0	0	86	86	4241
Grand Total	0	0	0	139	139	0	3271	1081	209	4561	941	3159	0	252	4352	0	0	0	196	196	9248
Apprch %	0	0	0	100		0	71.7	23.7	4.6		21.6	72.6	0	5.8		0	0	0	100		
Total %	0	0	0	1.5	1.5	0	35.4	11.7	2.3	49.3	10.2	34.2	0	2.7	47.1	0	0	0	2.1	2.1	

	Alakea Street Southbound					Beretania Street Westbound					Alakea Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	0	0	**18**	**18**	0	473	141	22	636	128	377	0	36	541	0	0	0	18	18	1213
04:30 PM	0	0	0	17	17	0	476	168	**38**	682	**140**	**425**	**0**	**52**	**617**	0	0	0	40	40	**1356**
04:45 PM	0	0	0	17	17	0	**499**	**169**	28	**696**	128	421	0	27	576	0	0	0	19	19	1308
05:00 PM	0	0	0	13	13	0	436	152	37	625	132	407	0	42	581	0	0	0	**42**	**42**	1261
Total Volume	0	0	0	65	65	0	1884	630	125	2639	528	1630	0	157	2315	0	0	0	119	119	5138
% App. Total	0	0	0	100		0	71.4	23.9	4.7		22.8	70.4	0	6.8		0	0	0	100		
PHF	.000	.000	.000	.903	.903	.000	.944	.932	.822	.948	.943	.959	.000	.755	.938	.000	.000	.000	.708	.708	.947


NORTH
25 MPH
55'-2"
ONE WAY
ONE WAY
NO RIGHT TURN ON RED EXCEPT FROM RIGHT LANE AFTER STOP
LTNO ONLY
BERETANIA STREET
60'-4"
73'-4"
55'-6"
ONE WAY
ONE WAY
NO LEFT TURN ON RED EXCEPT FROM LEFT LANE AFTER STOP
NO PARKING ANY TIME
ALAKEA STREET

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676
Counted:JM
Weather:Clear

File Name : BerRic AM
Site Code : 00000049
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Richards Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	67	615	0	30	712	0	0	0	12	12	0	0	0	1	1	725
04:15 PM	0	57	642	0	21	720	0	0	0	7	7	0	0	0	8	8	735
04:30 PM	0	59	684	0	34	777	0	0	0	2	2	0	0	0	11	11	790
04:45 PM	0	60	665	0	22	747	0	0	0	14	14	0	0	0	9	9	770
Total	0	243	2606	0	107	2956	0	0	0	35	35	0	0	0	29	29	3020
05:00 PM	0	61	595	0	29	685	0	0	0	8	8	0	0	0	7	7	700
05:15 PM	0	44	540	0	14	598	0	0	0	1	1	0	0	0	3	3	602
05:30 PM	0	27	441	0	10	478	0	0	0	7	7	0	0	0	2	2	487
05:45 PM	0	22	383	0	1	406	0	0	0	2	2	0	0	0	4	4	412
Total	0	154	1959	0	54	2167	0	0	0	18	18	0	0	0	16	16	2201
Grand Total	0	397	4565	0	161	5123	0	0	0	53	53	0	0	0	45	45	5221
Apprch %		7.7	89.1	0	3.1		0	0	0	100		0	0	0	100		
Total %	0	7.6	87.4	0	3.1	98.1	0	0	0	1	1	0	0	0	0.9	0.9	

	Southbound	Beretania Street Westbound					Richards Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	**67**	615	0	30	712	0	0	0	12	12	0	0	0	1	1	725
04:15 PM	0	57	642	0	21	720	0	0	0	7	7	0	0	0	8	8	735
04:30 PM	0	59	**684**	0	**34**	**777**	0	0	0	2	2	0	0	0	**11**	**11**	**790**
04:45 PM	0	60	665	0	22	747	0	0	0	**14**	**14**	0	0	0	9	9	770
Total Volume	0	243	2606	0	107	2956	0	0	0	35	35	0	0	0	29	29	3020
% App. Total		8.2	88.2	0	3.6		0	0	0	100		0	0	0	100		
PHF	.000	.907	.952	.000	.787	.951	.000	.000	.000	.625	.625	.000	.000	.000	.659	.659	.956

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676
Counted:JM
Weather:Clear

File Name : BerRic MIDDAY
Site Code : 00000049
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Richards Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	65	417	0	20	502	0	0	0	7	7	0	0	0	14	14	523
11:15 AM	0	44	399	0	9	452	0	0	0	11	11	0	0	0	18	18	481
11:30 AM	0	45	439	0	15	499	0	0	0	7	7	0	0	0	5	5	511
11:45 AM	0	64	420	0	18	502	0	0	0	6	6	0	0	0	10	10	518
Total	0	218	1675	0	62	1955	0	0	0	31	31	0	0	0	47	47	2033
12:00 PM	0	61	440	0	16	517	0	0	0	11	11	0	0	0	10	10	538
12:15 PM	0	57	389	0	15	461	0	0	0	12	12	0	0	0	17	17	490
12:30 PM	0	68	411	0	15	494	0	0	0	11	11	0	0	0	9	9	514
12:45 PM	0	65	380	0	8	453	0	0	0	12	12	0	0	0	6	6	471
Total	0	251	1620	0	54	1925	0	0	0	46	46	0	0	0	42	42	2013
Grand Total	0	469	3295	0	116	3880	0	0	0	77	77	0	0	0	89	89	4046
Apprch %		12.1	84.9	0	3		0	0	0	100		0	0	0	100		
Total %	0	11.6	81.4	0	2.9	95.9	0	0	0	1.9	1.9	0	0	0	2.2	2.2	

	Southbound	Beretania Street Westbound					Richards Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:45 AM																	
11:45 AM	0	64	420	0	**18**	502	0	0	0	6	6	0	0	0	10	10	518
12:00 PM	0	61	**440**	0	16	**517**	0	0	0	11	11	0	0	0	10	10	**538**
12:15 PM	0	57	389	0	15	461	0	0	0	**12**	**12**	0	0	0	**17**	**17**	490
12:30 PM	0	**68**	411	0	15	494	0	0	0	11	11	0	0	0	9	9	514
Total Volume	0	250	1660	0	64	1974	0	0	0	40	40	0	0	0	46	46	2060
% App. Total		12.7	84.1	0	3.2		0	0	0	100		0	0	0	100		
PHF	.000	.919	.943	.000	.889	.955	.000	.000	.000	.833	.833	.000	.000	.000	.676	.676	.957

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

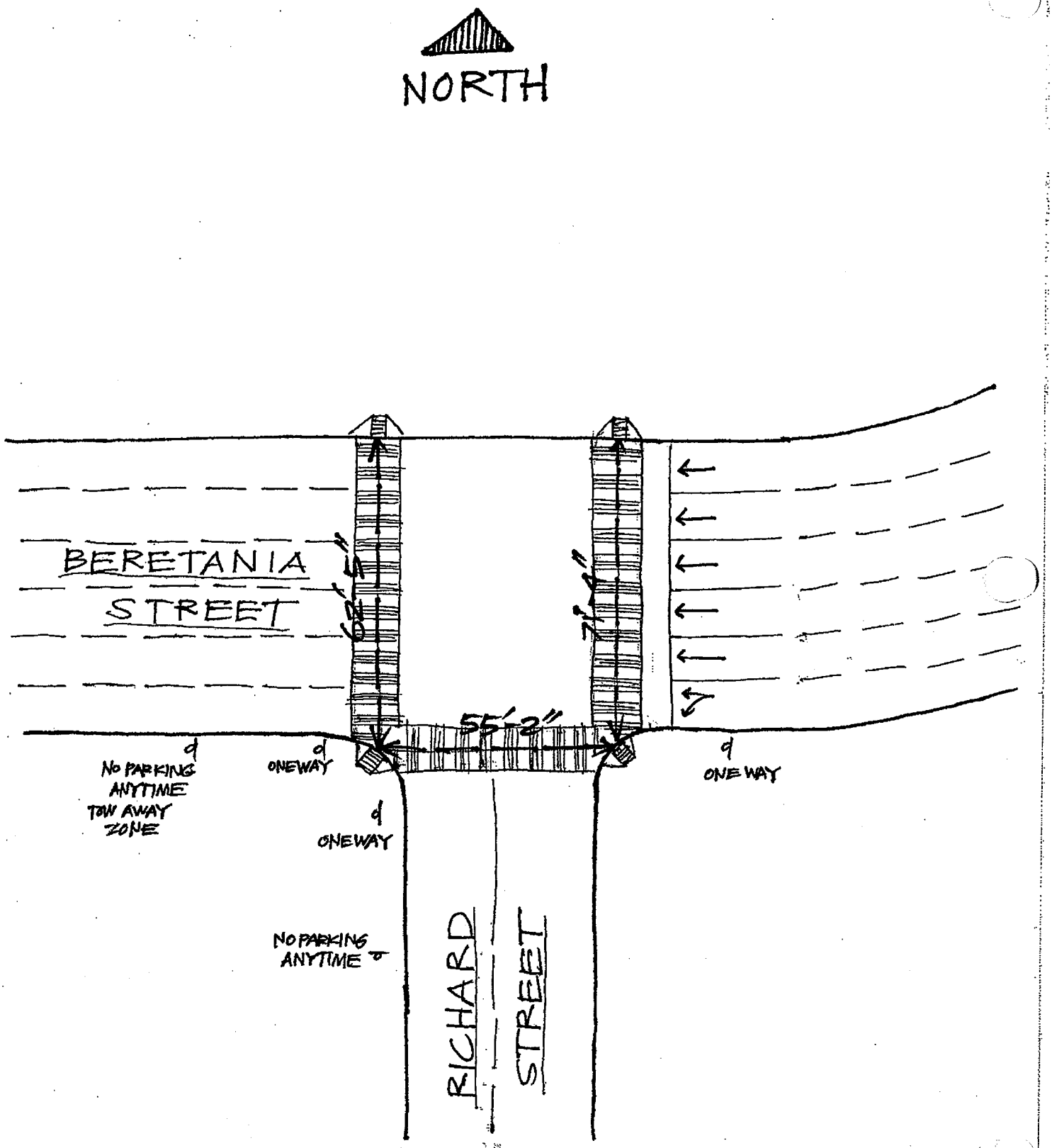
Counter:D4-5676
Counted:JM
Weather:Clear

File Name : BerRic PM
Site Code : 00000049
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Richards Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	93	259	0	13	365	0	0	0	5	5	0	0	0	3	3	373
06:45 AM	0	89	325	0	10	424	0	0	0	6	6	0	0	0	2	2	432
Total	0	182	584	0	23	789	0	0	0	11	11	0	0	0	5	5	805
07:00 AM	0	96	392	0	7	495	0	0	0	13	13	0	0	0	10	10	518
07:15 AM	0	126	428	0	13	567	0	0	0	10	10	0	0	0	3	3	580
07:30 AM	0	117	486	0	10	613	0	0	0	19	19	0	0	0	1	1	633
07:45 AM	0	112	429	0	10	551	0	0	0	10	10	0	0	0	8	8	569
Total	0	451	1735	0	40	2226	0	0	0	52	52	0	0	0	22	22	2300
08:00 AM	0	120	413	0	2	535	0	0	0	7	7	0	0	0	3	3	545
08:15 AM	0	97	391	0	4	492	0	0	0	4	4	0	0	0	6	6	502
Grand Total	0	850	3123	0	69	4042	0	0	0	74	74	0	0	0	36	36	4152
Apprch %		21	77.3	0	1.7		0	0	0	100		0	0	0	100		
Total %	0	20.5	75.2	0	1.7	97.4	0	0	0	1.8	1.8	0	0	0	0.9	0.9	

	Southbound	Beretania Street Westbound					Richards Street Northbound					Beretania Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	**126**	428	0	**13**	567	0	0	0	**10**	10	0	0	0	3	3	580
07:30 AM	0	117	**486**	0	10	**613**	0	0	0	**19**	**19**	0	0	0	1	1	**633**
07:45 AM	0	112	429	0	10	551	0	0	0	10	10	0	0	0	**8**	**8**	569
08:00 AM	0	120	413	0	2	535	0	0	0	7	7	0	0	0	3	3	545
Total Volume	0	475	1756	0	35	2266	0	0	0	46	46	0	0	0	15	15	2327
% App. Total		21	77.5	0	1.5		0	0	0	100		0	0	0	100		
PHF	.000	.942	.903	.000	.673	.924	.000	.000	.000	.605	.605	.000	.000	.000	.469	.469	.919


NORTH
BERETANIA STREET
55'-2"
NO PARKING ANYTIME TOW AWAY ZONE
ONEWAY
ONEWAY
ONE WAY
NO PARKING ANYTIME
RICHARD STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:d4-3891, D4-5674
Counted:ZW, RL
Weather:Clear

File Name : BerPun AM
Site Code : 00000050
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Beretania Street Westbound					Punchbowl Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	270	61	53	384	67	294	129	15	505	0	19	0	12	31	0	0	0	12	12	932
06:45 AM	0	296	55	49	400	49	395	146	24	614	0	22	0	16	38	0	0	0	31	31	1083
Total	0	566	116	102	784	116	689	275	39	1119	0	41	0	28	69	0	0	0	43	43	2015
07:00 AM	0	360	70	29	459	89	447	200	25	761	0	13	0	8	21	0	0	0	17	17	1258
07:15 AM	0	347	74	35	456	87	488	145	30	750	0	36	0	0	36	0	0	0	12	12	1254
07:30 AM	0	375	52	59	486	98	601	160	31	890	0	25	0	2	27	0	0	0	20	20	1423
07:45 AM	0	324	65	43	432	124	542	145	10	821	0	47	0	5	52	0	0	0	13	13	1318
Total	0	1406	261	166	1833	398	2078	650	96	3222	0	121	0	15	136	0	0	0	62	62	5253
08:00 AM	0	334	62	53	449	125	509	192	27	853	0	46	0	27	73	0	0	0	14	14	1389
08:15 AM	0	364	75	26	465	126	451	191	20	788	0	30	0	8	38	0	0	0	14	14	1305
Grand Total	0	2670	514	347	3531	765	3727	1308	182	5982	0	238	0	78	316	0	0	0	133	133	9962
Apprch %	0	75.6	14.6	9.8		12.8	62.3	21.9	3		0	75.3	0	24.7		0	0	0	100		
Total %	0	26.8	5.2	3.5	35.4	7.7	37.4	13.1	1.8	60	0	2.4	0	0.8	3.2	0	0	0	1.3	1.3	

	Punchbowl Street Southbound					Beretania Street Westbound					Punchbowl Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	**375**	52	**59**	**486**	98	**601**	160	**31**	**890**	0	25	0	2	27	0	0	0	**20**	**20**	**1423**
07:45 AM	0	324	65	43	432	124	542	145	10	821	0	**47**	0	5	52	0	0	0	13	13	1318
08:00 AM	0	334	62	53	449	125	509	**192**	27	853	0	46	0	**27**	**73**	0	0	0	14	14	1389
08:15 AM	0	364	**75**	26	465	**126**	451	191	20	788	0	30	0	8	38	0	0	0	14	14	1305
Total Volume	0	1397	254	181	1832	473	2103	688	88	3352	0	148	0	42	190	0	0	0	61	61	5435
% App. Total	0	76.3	13.9	9.9		14.1	62.7	20.5	2.6		0	77.9	0	22.1		0	0	0	100		
PHF	.000	.931	.847	.767	.942	.938	.875	.896	.710	.942	.000	.787	.000	.389	.651	.000	.000	.000	.763	.763	.955

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5674
Counted:ZW, RL
Weather:Clear

File Name : BerPun MIDDAY
Site Code : 00000050
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Beretania Street Westbound					Punchbowl Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	303	47	26	376	76	483	139	16	714	0	61	0	3	64	0	0	0	25	25	1179
11:15 AM	0	249	31	30	310	92	424	187	20	723	0	53	0	6	59	0	0	0	27	27	1119
11:30 AM	0	240	41	36	317	111	474	194	21	800	0	45	0	10	55	0	0	0	17	17	1189
11:45 AM	0	310	61	33	404	97	453	201	36	787	0	40	0	17	57	0	0	0	24	24	1272
Total	0	1102	180	125	1407	376	1834	721	93	3024	0	199	0	36	235	0	0	0	93	93	4759
12:00 PM	0	312	43	38	393	92	503	181	28	804	0	48	0	23	71	0	0	0	17	17	1285
12:15 PM	0	281	49	32	362	121	454	198	33	806	0	49	0	11	60	0	0	0	30	30	1258
12:30 PM	0	275	39	32	346	123	491	203	13	830	0	32	0	10	42	0	0	0	29	29	1247
12:45 PM	0	278	50	33	361	95	434	217	13	759	0	51	0	12	63	0	0	0	34	34	1217
Total	0	1146	181	135	1462	431	1882	799	87	3199	0	180	0	56	236	0	0	0	110	110	5007
Grand Total	0	2248	361	260	2869	807	3716	1520	180	6223	0	379	0	92	471	0	0	0	203	203	9766
Apprch %	0	78.4	12.6	9.1		13	59.7	24.4	2.9		0	80.5	0	19.5		0	0	0	100		
Total %	0	23	3.7	2.7	29.4	8.3	38.1	15.6	1.8	63.7	0	3.9	0	0.9	4.8	0	0	0	2.1	2.1	

	Punchbowl Street Southbound					Beretania Street Westbound					Punchbowl Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	310	**61**	33	**404**	97	453	201	**36**	787	0	40	0	17	57	0	0	0	24	24	1272
12:00 PM	0	**312**	43	**38**	393	92	**503**	181	28	804	0	48	0	**23**	**71**	0	0	0	17	17	**1285**
12:15 PM	0	281	49	32	362	121	454	198	33	806	0	**49**	0	11	60	0	0	0	**30**	**30**	1258
12:30 PM	0	275	39	32	346	**123**	491	**203**	13	**830**	0	32	0	10	42	0	0	0	29	29	1247
Total Volume	0	1178	192	135	1505	433	1901	783	110	3227	0	169	0	61	230	0	0	0	100	100	5062
% App. Total	0	78.3	12.8	9		13.4	58.9	24.3	3.4		0	73.5	0	26.5		0	0	0	100		
PHF	.000	.944	.787	.888	.931	.880	.945	.964	.764	.972	.000	.862	.000	.663	.810	.000	.000	.000	.833	.833	.985

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

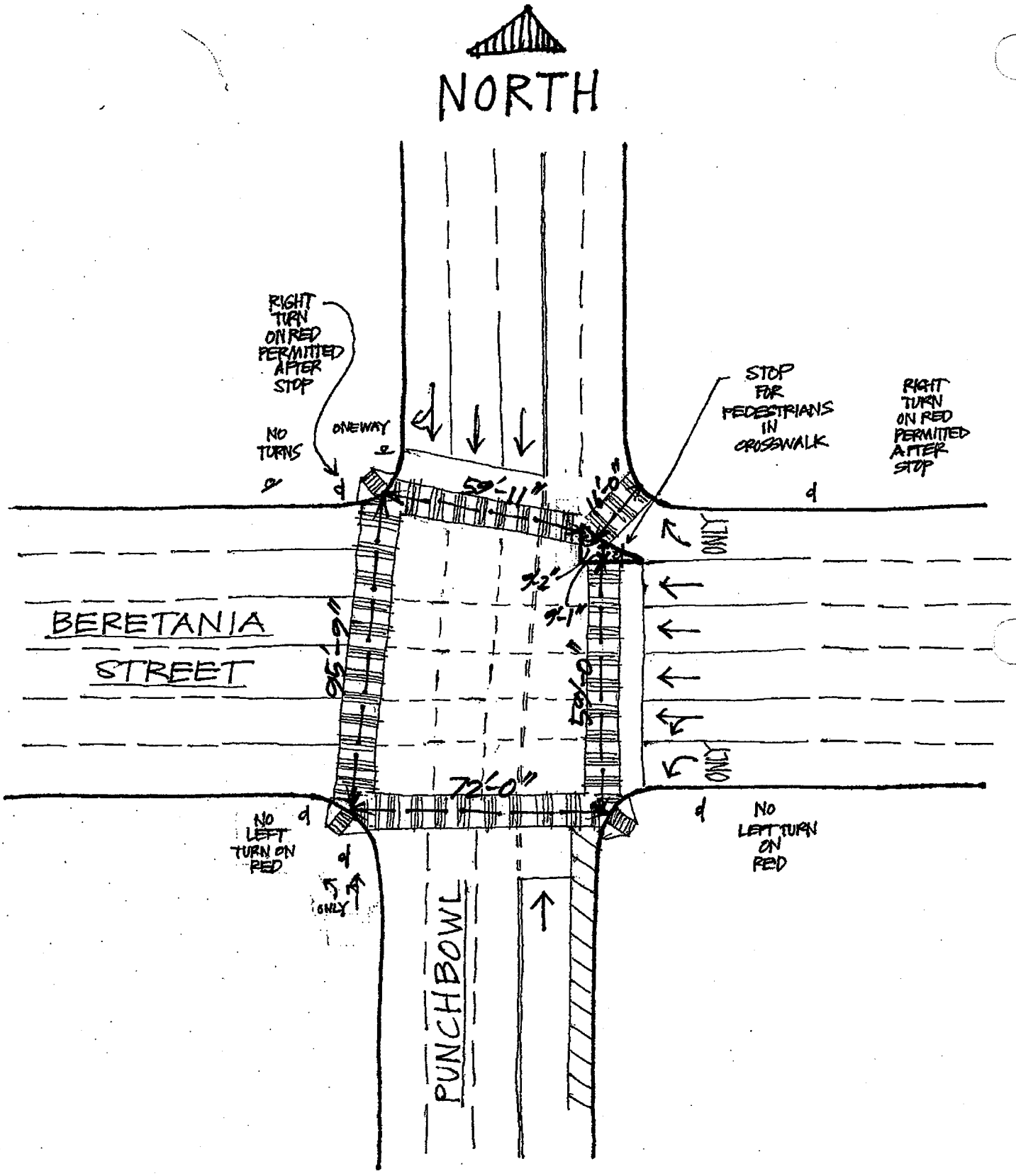
Counter:D4-3891, D4-5674
Counted:TO, RL
Weather:Clear

File Name : BerPun PM
Site Code : 00000050
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Beretania Street Westbound					Punchbowl Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	200	49	39	288	64	670	190	24	948	0	125	0	9	134	0	0	0	21	21	1391
04:15 PM	0	207	43	47	297	97	693	174	47	1011	0	124	0	13	137	0	0	0	35	35	1480
04:30 PM	0	205	39	53	297	103	690	197	48	1038	0	115	0	54	169	0	0	0	80	80	1584
04:45 PM	0	195	62	35	292	111	687	221	44	1063	0	111	0	28	139	0	0	0	39	39	1533
Total	0	807	193	174	1174	375	2740	782	163	4060	0	475	0	104	579	0	0	0	175	175	5988
05:00 PM	0	167	44	39	250	71	618	225	44	958	0	104	0	15	119	0	0	0	37	37	1364
05:15 PM	0	174	35	28	237	53	569	217	31	870	0	140	0	16	156	0	0	0	36	36	1299
05:30 PM	0	155	22	20	197	61	445	229	28	763	0	82	0	23	105	0	0	0	19	19	1084
05:45 PM	0	152	25	13	190	43	384	195	8	630	0	77	0	14	91	0	0	0	16	16	927
Total	0	648	126	100	874	228	2016	866	111	3221	0	403	0	68	471	0	0	0	108	108	4674
Grand Total	0	1455	319	274	2048	603	4756	1648	274	7281	0	878	0	172	1050	0	0	0	283	283	10662
Apprch %	0	71	15.6	13.4		8.3	65.3	22.6	3.8		0	83.6	0	16.4		0	0	0	100		
Total %	0	13.6	3	2.6	19.2	5.7	44.6	15.5	2.6	68.3	0	8.2	0	1.6	9.8	0	0	0	2.7	2.7	

	Punchbowl Street Southbound					Beretania Street Westbound					Punchbowl Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	200	49	39	288	64	670	190	24	948	0	**125**	0	9	134	0	0	0	21	21	1391
04:15 PM	0	**207**	43	47	**297**	97	**693**	174	47	1011	0	124	0	13	137	0	0	0	35	35	1480
04:30 PM	0	205	39	**53**	297	103	690	197	**48**	1038	0	115	0	**54**	**169**	0	0	0	**80**	**80**	**1584**
04:45 PM	0	195	**62**	35	292	**111**	687	**221**	44	**1063**	0	111	0	28	139	0	0	0	39	39	1533
Total Volume	0	807	193	174	1174	375	2740	782	163	4060	0	475	0	104	579	0	0	0	175	175	5988
% App. Total	0	68.7	16.4	14.8		9.2	67.5	19.3	4		0	82	0	18		0	0	0	100		
PHF	.000	.975	.778	.821	.988	.845	.988	.885	.849	.955	.000	.950	.000	.481	.857	.000	.000	.000	.547	.547	.945


NORTH
RIGHT TURN ON RED PERMITTED AFTER STOP
NO TURNS
ONEWAY
STOP FOR PEDESTRIANS IN CROSSWALK
RIGHT TURN ON RED PERMITTED AFTER STOP
59'-11"
11'-10"
ONLY
BERETANIA STREET
95'-9"
55'-0"
72'-0"
ONLY
NO LEFT TURN ON RED
ONLY
NO LEFT TURN ON RED
PUNCHBOWL

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-3890
Counted:TW, AN
Weather:Clear

File Name : BerLau AM
Site Code : 00000051
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Lauhala Street Southbound					Beretania Street Westbound					DAGS/C&C Parking Lot Dwy. Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
06:30 AM	0	0	27	10	37	10	498	7	13	528	9	2	0	7	18	0	583
06:45 AM	0	2	26	12	40	13	574	11	9	607	3	0	0	6	9	0	656
Total	0	2	53	22	77	23	1072	18	22	1135	12	2	0	13	27	0	1239
07:00 AM	0	3	32	2	37	12	700	3	9	724	10	0	0	9	19	0	780
07:15 AM	0	0	39	8	47	11	803	6	8	828	13	2	0	4	19	0	894
07:30 AM	0	3	35	2	40	19	850	3	5	877	11	1	0	3	15	0	932
07:45 AM	0	1	43	9	53	13	710	71	11	805	16	1	0	7	24	0	882
Total	0	7	149	21	177	55	3063	83	33	3234	50	4	0	23	77	0	3488
08:00 AM	0	3	39	13	55	13	728	43	12	796	13	2	0	5	20	0	871
08:15 AM	0	1	60	8	69	13	686	13	8	720	16	3	0	2	21	0	810
Grand Total	0	13	301	64	378	104	5549	157	75	5885	91	11	0	43	145	0	6408
Apprch %	0	3.4	79.6	16.9		1.8	94.3	2.7	1.3		62.8	7.6	0	29.7			
Total %	0	0.2	4.7	1	5.9	1.6	86.6	2.5	1.2	91.8	1.4	0.2	0	0.7	2.3	0	

	Lauhala Street Southbound					Beretania Street Westbound					DAGS/C&C Parking Lot Dwy. Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	0	39	8	47	11	803	6	8	828	13	2	0	4	19	0	894
07:30 AM	0	3	35	2	40	19	850	3	5	877	11	1	0	3	15	0	932
07:45 AM	0	1	43	9	53	13	710	71	11	805	16	1	0	7	24	0	882
08:00 AM	0	3	39	13	55	13	728	43	12	796	13	2	0	5	20	0	871
Total Volume	0	7	156	32	195	56	3091	123	36	3306	53	6	0	19	78	0	3579
% App. Total	0	3.6	80	16.4		1.7	93.5	3.7	1.1		67.9	7.7	0	24.4			
PHF	.000	.583	.907	.615	.886	.737	.909	.433	.750	.942	.828	.750	.000	.679	.813	.000	.960

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-3890
Counted:TW, AN
Weather:Clear

File Name : BerLau MIDDAY
Site Code : 00000051
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Lauhala Street Southbound					Beretania Street Westbound					DAGS/C&C Parking Lot Dwy. Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	2	122	13	137	6	590	4	21	621	24	2	0	4	30	0	788
11:15 AM	0	0	109	4	113	5	588	6	6	605	24	6	0	7	37	0	755
11:30 AM	0	0	131	22	153	4	620	5	38	667	31	4	0	5	40	0	860
11:45 AM	0	0	95	17	112	3	594	8	33	638	26	5	0	7	38	0	788
Total	0	2	457	56	515	18	2392	23	98	2531	105	17	0	23	145	0	3191
12:00 PM	0	1	90	45	136	4	645	2	46	697	20	6	0	24	50	0	883
12:15 PM	0	1	103	33	137	7	636	7	38	688	13	1	0	23	37	0	862
12:30 PM	0	2	100	14	116	7	636	5	21	669	19	3	0	9	31	0	816
12:45 PM	0	1	69	17	87	8	602	8	22	640	16	2	0	9	27	0	754
Total	0	5	362	109	476	26	2519	22	127	2694	68	12	0	65	145	0	3315
Grand Total	0	7	819	165	991	44	4911	45	225	5225	173	29	0	88	290	0	6506
Apprch %	0	0.7	82.6	16.6		0.8	94	0.9	4.3		59.7	10	0	30.3			
Total %	0	0.1	12.6	2.5	15.2	0.7	75.5	0.7	3.5	80.3	2.7	0.4	0	1.4	4.5	0	

	Lauhala Street Southbound					Beretania Street Westbound					DAGS/C&C Parking Lot Dwy. Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	0	0	**131**	22	**153**	4	620	5	38	667	**31**	4	0	5	40	0	860
11:45 AM	0	0	95	17	112	3	594	**8**	33	638	26	5	0	7	38	0	788
12:00 PM	0	**1**	90	**45**	136	4	**645**	2	**46**	**697**	20	**6**	0	**24**	**50**	0	**883**
12:15 PM	0	1	103	33	137	**7**	636	7	38	688	13	1	0	23	37	0	862
Total Volume	0	2	419	117	538	18	2495	22	155	2690	90	16	0	59	165	0	3393
% App. Total	0	0.4	77.9	21.7		0.7	92.8	0.8	5.8		54.5	9.7	0	35.8			
PHF	.000	.500	.800	.650	.879	.643	.967	.688	.842	.965	.726	.667	.000	.615	.825	.000	.961

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

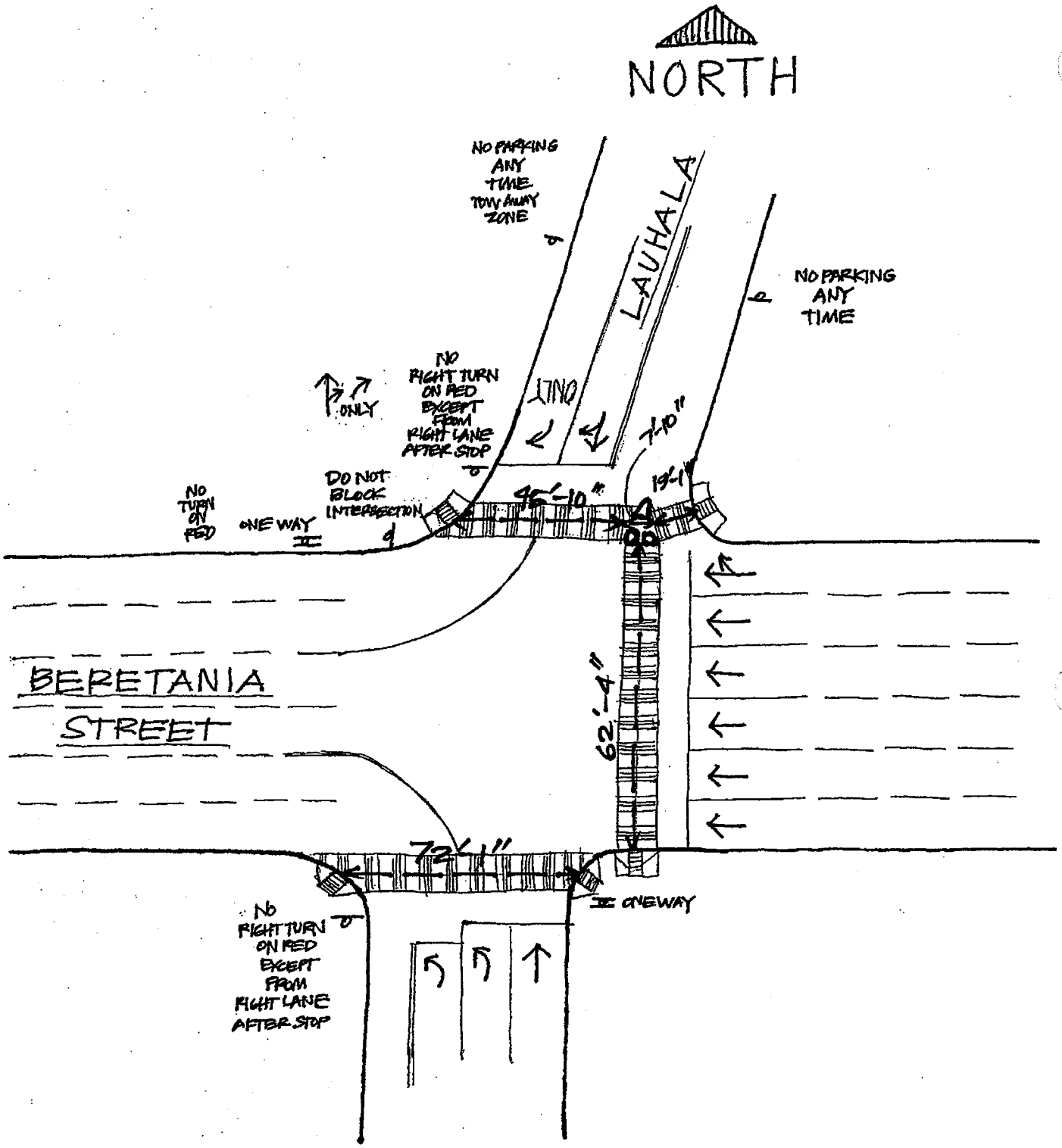
Counter:D4-5673, D4-3890
Counted:SD, WA
Weather:Clear

File Name : BerLau PM
Site Code : 00000051
Start Date : 6/5/2008
Page No : 1

Groups Printed- Unshifted

	Lauhala Street Southbound					Beretania Street Westbound					DAGS/C&C Parking Lot Dwy. Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	0	0	90	2	92	0	832	8	3	843	42	15	0	4	61	0	996
04:15 PM	0	0	89	5	94	0	848	4	8	860	38	16	0	3	57	0	1011
04:30 PM	0	4	119	3	126	0	852	1	15	868	83	40	0	1	124	0	1118
04:45 PM	0	0	103	8	111	0	838	4	9	851	53	22	0	9	84	0	1046
Total	0	4	401	18	423	0	3370	17	35	3422	216	93	0	17	326	0	4171
05:00 PM	0	0	85	4	89	0	785	2	6	793	37	18	0	9	64	0	946
05:15 PM	0	0	67	1	68	0	740	1	8	749	26	16	0	6	48	0	865
05:30 PM	0	0	53	2	55	0	655	3	1	659	23	10	0	6	39	0	753
05:45 PM	0	0	34	3	37	0	560	2	9	571	23	6	0	2	31	0	639
Total	0	0	239	10	249	0	2740	8	24	2772	109	50	0	23	182	0	3203
Grand Total	0	4	640	28	672	0	6110	25	59	6194	325	143	0	40	508	0	7374
Apprch %	0	0.6	95.2	4.2		0	98.6	0.4	1		64	28.1	0	7.9			
Total %	0	0.1	8.7	0.4	9.1	0	82.9	0.3	0.8	84	4.4	1.9	0	0.5	6.9	0	

	Lauhala Street Southbound					Beretania Street Westbound					DAGS/C&C Parking Lot Dwy. Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	0	90	2	92	0	832	**8**	3	843	42	15	0	4	61	0	996
04:15 PM	0	0	89	5	94	0	848	4	8	860	38	16	0	3	57	0	1011
04:30 PM	0	**4**	**119**	3	**126**	0	**852**	1	**15**	**868**	**83**	**40**	0	1	**124**	0	**1118**
04:45 PM	0	0	103	**8**	111	0	838	4	9	851	53	22	0	**9**	84	0	1046
Total Volume	0	4	401	18	423	0	3370	17	35	3422	216	93	0	17	326	0	4171
% App. Total	0	0.9	94.8	4.3		0	98.5	0.5	1		66.3	28.5	0	5.2			
PHF	.000	.250	.842	.563	.839	.000	.989	.531	.583	.986	.651	.581	.000	.472	.657	.000	.933


NORTH
NO PARKING ANY TIME TOW AWAY ZONE
LAUHALA
NO PARKING ANY TIME
ONLY
NO RIGHT TURN ON RED EXCEPT FROM RIGHT LANE AFTER STOP
ONLY
7'-10"
19'-1"
DO NOT BLOCK INTERSECTION
45'-10"
NO TURN ON RED
ONE WAY
BERETANIA STREET
62'-4"
72'-1"
ONEWAY
NO RIGHT TURN ON RED EXCEPT FROM RIGHT LANE AFTER STOP

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5673
Counted:JY, DY
Weather:Clear

File Name : VinLil AM
Site Code : 00000052
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Liliha Street Southbound					Vineyard Blvd. Westbound					Liliha Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	13	66	16	8	103	41	48	9	12	110	19	54	11	18	102	85	186	45	16	332	647
06:45 AM	26	88	24	14	152	41	59	17	5	122	23	61	14	6	104	67	200	46	7	320	698
Total	39	154	40	22	255	82	107	26	17	232	42	115	25	24	206	152	386	91	23	652	1345
07:00 AM	15	90	22	17	144	50	90	12	8	160	20	78	16	11	125	64	246	54	14	378	807
07:15 AM	28	106	20	20	174	57	90	17	16	180	25	85	19	12	141	72	232	29	17	350	845
07:30 AM	42	105	24	22	193	51	91	21	19	182	31	84	18	18	151	70	231	29	31	361	887
07:45 AM	24	93	23	19	159	74	110	24	9	217	29	89	15	3	136	70	232	50	21	373	885
Total	109	394	89	78	670	232	381	74	52	739	105	336	68	44	553	276	941	162	83	1462	3424
08:00 AM	34	91	31	17	173	41	67	21	7	136	22	92	13	5	132	66	181	33	20	300	741
08:15 AM	29	84	16	16	145	43	97	22	7	169	30	84	14	13	141	58	178	48	19	303	758
Grand Total	211	723	176	133	1243	398	652	143	83	1276	199	627	120	86	1032	552	1686	334	145	2717	6268
Apprch %	17	58.2	14.2	10.7		31.2	51.1	11.2	6.5		19.3	60.8	11.6	8.3		20.3	62.1	12.3	5.3		
Total %	3.4	11.5	2.8	2.1	19.8	6.3	10.4	2.3	1.3	20.4	3.2	10	1.9	1.4	16.5	8.8	26.9	5.3	2.3	43.3	

	Liliha Street Southbound					Vineyard Blvd. Westbound					Liliha Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	**15**	**90**	**22**	**17**	**144**	**50**	**90**	**12**	**8**	**160**	**20**	**78**	**16**	**11**	**125**	**64**	246	54	14	378	807
07:15 AM	28	106	20	20	174	57	90	17	16	180	25	85	19	12	141	**72**	232	29	17	350	845
07:30 AM	**42**	105	**24**	**22**	**193**	51	91	21	**19**	182	**31**	84	18	**18**	**151**	70	231	29	**31**	361	**887**
07:45 AM	24	93	23	19	159	**74**	**110**	**24**	9	**217**	29	**89**	15	3	136	70	232	50	21	373	885
Total Volume	109	394	89	78	670	232	381	74	52	739	105	336	68	44	553	276	941	162	83	1462	3424
% App. Total	16.3	58.8	13.3	11.6		31.4	51.6	10	7		19	60.8	12.3	8		18.9	64.4	11.1	5.7		
PHF	.649	.929	.927	.886	.868	.784	.866	.771	.684	.851	.847	.944	.895	.611	.916	.958	.956	.750	.669	.967	.965

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-3888
Counted:JY, DY
Weather:Clear

File Name : VinLil U-Turns AM
Site Code : 00000052
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound					Northbound	Vineyard Blvd. Eastbound					
		Number In LT Column Indicates U-Turns						Number In LT Column Indicates U-Turns					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	9	0	0	0	9	0	5	0	0	0	5	14
07:30 AM	0	6	0	0	0	6	0	3	0	0	0	3	9
07:45 AM	0	6	0	0	0	6	0	4	0	0	0	4	10
Total	0	21	0	0	0	21	0	12	0	0	0	12	33
08:00 AM	0	7	0	0	0	7	0	1	0	0	0	1	8
08:15 AM	0	8	0	0	0	8	0	3	0	0	0	3	11
Grand Total	0	36	0	0	0	36	0	16	0	0	0	16	52
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	69.2	0	0	0	69.2	0	30.8	0	0	0	30.8	

	Southbound	Vineyard Blvd. Westbound					Northbound	Vineyard Blvd. Eastbound					
		Number In LT Column Indicates U-Turns						Number In LT Column Indicates U-Turns					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	0	9	0	0	0	9	0	5	0	0	0	5	14
07:30 AM	0	6	0	0	0	6	0	3	0	0	0	3	9
07:45 AM	0	6	0	0	0	6	0	4	0	0	0	4	10
08:00 AM	0	7	0	0	0	7	0	1	0	0	0	1	8
Total Volume	0	28	0	0	0	28	0	13	0	0	0	13	41
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.778	.000	.000	.000	.778	.000	.650	.000	.000	.000	.650	.732

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5673
Counted:JY, DY
Weather:Clear

File Name : VinLil MIDDAY
Site Code : 00000052
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Liliha Street Southbound					Vineyard Blvd. Westbound					Liliha Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	31	105	44	20	200	50	89	22	5	166	31	152	34	5	222	71	131	36	13	251	839
11:15 AM	33	105	46	12	196	59	81	11	16	167	51	143	31	2	227	61	148	32	10	251	841
11:30 AM	36	100	34	23	193	33	108	20	8	169	38	149	22	4	213	57	115	41	17	230	805
11:45 AM	35	92	34	28	189	49	91	29	18	187	35	128	25	4	192	58	115	40	27	240	808
Total	135	402	158	83	778	191	369	82	47	689	155	572	112	15	854	247	509	149	67	972	3293
12:00 PM	53	91	52	19	215	35	86	12	8	141	41	125	23	18	207	60	109	26	7	202	765
12:15 PM	35	87	52	22	196	65	99	11	13	188	32	152	20	4	208	57	133	30	19	239	831
12:30 PM	28	110	33	22	193	47	108	22	4	181	43	200	14	11	268	74	122	33	11	240	882
12:45 PM	22	105	43	32	202	47	80	20	17	164	41	164	26	21	252	60	110	32	28	230	848
Total	138	393	180	95	806	194	373	65	42	674	157	641	83	54	935	251	474	121	65	911	3326
Grand Total	273	795	338	178	1584	385	742	147	89	1363	312	1213	195	69	1789	498	983	270	132	1883	6619
Apprch %	17.2	50.2	21.3	11.2		28.2	54.4	10.8	6.5		17.4	67.8	10.9	3.9		26.4	52.2	14.3	7		
Total %	4.1	12	5.1	2.7	23.9	5.8	11.2	2.2	1.3	20.6	4.7	18.3	2.9	1	27	7.5	14.9	4.1	2	28.4	

	Liliha Street Southbound					Vineyard Blvd. Westbound					Liliha Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	53	91	52	19	215	35	86	12	8	141	41	125	23	18	207	60	109	26	7	202	765
12:15 PM	35	87	52	22	196	65	99	11	13	188	32	152	20	4	208	57	133	30	19	239	831
12:30 PM	28	110	33	22	193	47	108	22	4	181	43	200	14	11	268	74	122	33	11	240	882
12:45 PM	22	105	43	32	202	47	80	20	17	164	41	164	26	21	252	60	110	32	28	230	848
Total Volume	138	393	180	95	806	194	373	65	42	674	157	641	83	54	935	251	474	121	65	911	3326
% App. Total	17.1	48.8	22.3	11.8		28.8	55.3	9.6	6.2		16.8	68.6	8.9	5.8		27.6	52	13.3	7.1		
PHF	.651	.893	.865	.742	.937	.746	.863	.739	.618	.896	.913	.801	.798	.643	.872	.848	.891	.917	.580	.949	.943

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:
Counted:
Weather:

File Name : VinLil U-Turns MIDDAY
Site Code : 00000052
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound					Northbound	Vineyard Blvd. Eastbound					
		Number In LT Column Indicates U-Turns						Number In LT Column Indicates U-Turns					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	10	0	0	0	10	0	3	0	0	0	3	13
11:15 AM	0	6	0	0	0	6	0	1	0	0	0	1	7
11:30 AM	0	11	0	0	0	11	0	5	0	0	0	5	16
11:45 AM	0	7	0	0	0	7	0	4	0	0	0	4	11
Total	0	34	0	0	0	34	0	13	0	0	0	13	47
12:00 PM	0	4	0	0	0	4	0	3	0	0	0	3	7
12:15 PM	0	9	0	0	0	9	0	2	0	0	0	2	11
12:30 PM	0	8	0	0	0	8	0	1	0	0	0	1	9
12:45 PM	0	4	0	0	0	4	0	3	0	0	0	3	7
Total	0	25	0	0	0	25	0	9	0	0	0	9	34
Grand Total	0	59	0	0	0	59	0	22	0	0	0	22	81
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	72.8	0	0	0	72.8	0	27.2	0	0	0	27.2	

	Southbound	Vineyard Blvd. Westbound					Northbound	Vineyard Blvd. Eastbound					
		Number In LT Column Indicates U-Turns						Number In LT Column Indicates U-Turns					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 11:00 AM													
11:00 AM	0	10	0	0	0	10	0	3	0	0	0	3	13
11:15 AM	0	6	0	0	0	6	0	1	0	0	0	1	7
11:30 AM	0	11	0	0	0	11	0	5	0	0	0	5	16
11:45 AM	0	7	0	0	0	7	0	4	0	0	0	4	11
Total Volume	0	34	0	0	0	34	0	13	0	0	0	13	47
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.773	.000	.000	.000	.773	.000	.650	.000	.000	.000	.650	.734

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5673
Counted:JY, DY
Weather:Clear

File Name : VinLil PM
Site Code : 00000052
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Liliha Street Southbound					Vineyard Blvd. Westbound					Liliha Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	29	72	30	32	163	29	149	22	13	213	53	167	36	5	261	78	176	29	18	301	938
04:15 PM	32	69	42	29	172	21	168	23	16	228	47	166	22	6	241	85	212	22	11	330	971
04:30 PM	36	77	40	17	170	37	165	14	22	238	47	167	22	4	240	81	209	36	21	347	995
04:45 PM	19	90	30	28	167	39	175	32	14	260	45	149	22	20	236	78	209	40	37	364	1027
Total	116	308	142	106	672	126	657	91	65	939	192	649	102	35	978	322	806	127	87	1342	3931
05:00 PM	38	71	50	33	192	35	158	21	23	237	47	182	16	10	255	80	218	34	17	349	1033
05:15 PM	34	69	41	32	176	40	161	35	24	260	45	166	23	1	235	69	180	17	13	279	950
05:30 PM	34	53	30	30	147	30	155	25	20	230	37	152	24	0	213	91	217	35	22	365	955
05:45 PM	22	59	25	28	134	28	117	15	29	189	45	133	17	0	195	76	161	24	20	281	799
Total	128	252	146	123	649	133	591	96	96	916	174	633	80	11	898	316	776	110	72	1274	3737
Grand Total	244	560	288	229	1321	259	1248	187	161	1855	366	1282	182	46	1876	638	1582	237	159	2616	7668
Apprch %	18.5	42.4	21.8	17.3		14	67.3	10.1	8.7		19.5	68.3	9.7	2.5		24.4	60.5	9.1	6.1		
Total %	3.2	7.3	3.8	3	17.2	3.4	16.3	2.4	2.1	24.2	4.8	16.7	2.4	0.6	24.5	8.3	20.6	3.1	2.1	34.1	

	Liliha Street Southbound					Vineyard Blvd. Westbound					Liliha Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	**32**	**69**	**42**	**29**	**172**	**21**	**168**	**23**	**16**	**228**	47	166	22	6	241	85	212	22	11	330	971
04:30 PM	36	77	40	17	170	37	165	14	22	238	47	167	22	4	240	81	209	36	21	347	995
04:45 PM	19	90	30	28	167	**39**	**175**	**32**	14	**260**	45	149	22	**20**	236	78	209	**40**	**37**	**364**	1027
05:00 PM	**38**	71	**50**	**33**	**192**	35	158	21	**23**	237	47	**182**	16	10	**255**	80	**218**	34	17	349	**1033**
Total Volume	125	307	162	107	701	132	666	90	75	963	186	664	82	40	972	324	848	132	86	1390	4026
% App. Total	17.8	43.8	23.1	15.3		13.7	69.2	9.3	7.8		19.1	68.3	8.4	4.1		23.3	61	9.5	6.2		
PHF	.822	.853	.810	.811	.913	.846	.951	.703	.815	.926	.989	.912	.932	.500	.953	.953	.972	.825	.581	.955	.974

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

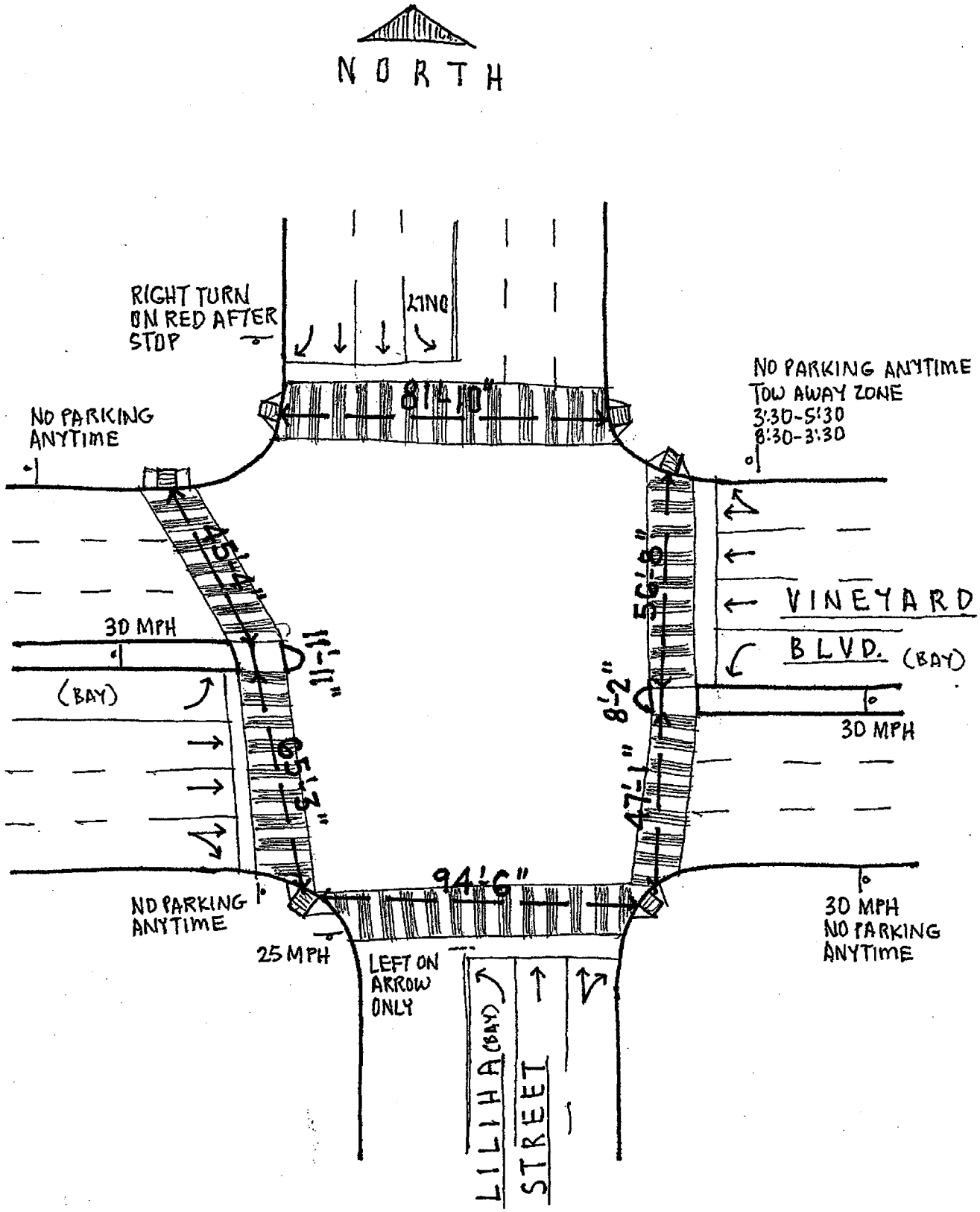
Counter:D4-3888, D4-5673
Counted:JY, DY
Weather:Clear

File Name : VinLil U-Turns PM
Site Code : 00000052
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound (Number in LT Column Indicates U-Turns)					Northbound	Vineyard Blvd. Eastbound (Number in LT Column Indicates U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	10	0	0	0	10	0	5	0	0	0	5	15
04:15 PM	0	8	0	0	0	8	0	7	0	0	0	7	15
04:30 PM	0	8	0	0	0	8	0	3	0	0	0	3	11
04:45 PM	0	9	0	0	0	9	0	0	0	0	0	0	9
Total	0	35	0	0	0	35	0	15	0	0	0	15	50
05:00 PM	0	7	0	0	0	7	0	3	0	0	0	3	10
05:15 PM	0	7	0	0	0	7	0	5	0	0	0	5	12
05:30 PM	0	6	0	0	0	6	0	3	0	0	0	3	9
05:45 PM	0	4	0	0	0	4	0	10	0	0	0	10	14
Total	0	24	0	0	0	24	0	21	0	0	0	21	45
Grand Total	0	59	0	0	0	59	0	36	0	0	0	36	95
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	62.1	0	0	0	62.1	0	37.9	0	0	0	37.9	

	Southbound	Vineyard Blvd. Westbound (Number in LT Column Indicates U-Turns)					Northbound	Vineyard Blvd. Eastbound (Number in LT Column Indicates U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	0	**10**	0	0	0	**10**	0	5	0	0	0	5	**15**
04:15 PM	0	8	0	0	0	8	0	**7**	0	0	0	**7**	15
04:30 PM	0	8	0	0	0	8	0	3	0	0	0	3	11
04:45 PM	0	9	0	0	0	9	0	0	0	0	0	0	9
Total Volume	0	35	0	0	0	35	0	15	0	0	0	15	50
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.875	.000	.000	.000	.875	.000	.536	.000	.000	.000	.536	.833


NORTH
RIGHT TURN ON RED AFTER STOP
LINE
81'-10"
NO PARKING ANYTIME
NO PARKING ANYTIME
TOW AWAY ZONE
3:30-5:30
8:30-3:30
45'-4"
11'-11"
65'-3"
56'-8"
8'-2"
47'-1"
VINEYARD BLVD. (BAY)
30 MPH
(BAY)
30 MPH
94'-6"
NO PARKING ANYTIME
25 MPH
LEFT ON ARROW ONLY
30 MPH
NO PARKING ANYTIME
LILIHA (BAY) STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-5677
Counted:RL, SW
Weather:Clear

File Name : VinAal AM
Site Code : 00000053
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Aala Street Southbound					Vineyard Blvd. Westbound					Aala Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	2	16	19	10	47	2	60	11	7	80	14	21	14	2	51	18	146	31	2	197	375
06:45 AM	8	21	20	3	52	2	83	13	6	104	18	31	4	3	56	16	196	47	4	263	475
Total	10	37	39	13	99	4	143	24	13	184	32	52	18	5	107	34	342	78	6	460	850
07:00 AM	1	25	28	12	66	4	103	21	2	130	12	34	9	9	64	17	187	54	4	262	522
07:15 AM	9	40	31	7	87	10	128	27	7	172	8	24	15	10	57	18	213	54	14	299	615
07:30 AM	5	27	36	25	93	4	107	20	11	142	13	16	13	6	48	15	209	74	9	307	590
07:45 AM	9	39	35	11	94	8	129	26	21	184	11	36	15	6	68	18	187	68	5	278	624
Total	24	131	130	55	340	26	467	94	41	628	44	110	52	31	237	68	796	250	32	1146	2351
08:00 AM	9	41	26	12	88	4	86	27	15	132	8	30	9	0	47	16	176	65	6	263	530
08:15 AM	9	24	21	14	68	11	106	20	12	149	10	24	12	4	50	18	170	48	17	253	520
Grand Total	52	233	216	94	595	45	802	165	81	1093	94	216	91	40	441	136	1484	441	61	2122	4251
Apprch %	8.7	39.2	36.3	15.8		4.1	73.4	15.1	7.4		21.3	49	20.6	9.1		6.4	69.9	20.8	2.9		
Total %	1.2	5.5	5.1	2.2	14	1.1	18.9	3.9	1.9	25.7	2.2	5.1	2.1	0.9	10.4	3.2	34.9	10.4	1.4	49.9	

	Aala Street Southbound					Vineyard Blvd. Westbound					Aala Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	**9**	40	31	7	87	**10**	128	**27**	7	172	8	24	**15**	**10**	57	**18**	**213**	54	**14**	299	615
07:30 AM	5	27	**36**	**25**	93	4	107	20	11	142	**13**	16	13	6	48	15	209	**74**	9	**307**	590
07:45 AM	9	39	35	11	**94**	8	**129**	26	**21**	**184**	11	**36**	15	6	**68**	18	187	68	5	278	**624**
08:00 AM	9	**41**	26	12	88	4	86	27	**15**	132	8	30	9	0	47	16	176	65	6	263	530
Total Volume	32	147	128	55	362	26	450	100	54	630	40	106	52	22	220	67	785	261	34	1147	2359
% App. Total	8.8	40.6	35.4	15.2		4.1	71.4	15.9	8.6		18.2	48.2	23.6	10		5.8	68.4	22.8	3		
PHF	.889	.896	.889	.550	.963	.650	.872	.926	.643	.856	.769	.736	.867	.550	.809	.931	.921	.882	.607	.934	.945

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-5677
Counted:RL, SW
Weather:Clear

File Name : VinAal U-Turns AM
Site Code : 00000053
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound (Number In LT Column Indicates U-Turns)					Northbound	Vineyard Blvd. Eastbound (Number In LT Column Indicates U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	1	0	0	0	1	0	1	0	0	0	1	2
06:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	0	1	0	1	0	0	0	1	2
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 AM	0	0	0	0	0	0	0	1	0	0	0	1	1
07:30 AM	0	1	0	0	0	1	0	6	0	0	0	6	7
07:45 AM	0	0	0	0	0	0	0	2	0	0	0	2	2
Total	0	1	0	0	0	1	0	9	0	0	0	9	10
08:00 AM	0	2	0	0	0	2	0	2	0	0	0	2	4
08:15 AM	0	1	0	0	0	1	0	7	0	0	0	7	8
Grand Total	0	5	0	0	0	5	0	19	0	0	0	19	24
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	20.8	0	0	0	20.8	0	79.2	0	0	0	79.2	

	Southbound	Vineyard Blvd. Westbound (Number In LT Column Indicates U-Turns)					Northbound	Vineyard Blvd. Eastbound (Number In LT Column Indicates U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:30 AM													
07:30 AM	0	1	0	0	0	1	0	6	0	0	0	6	7
07:45 AM	0	0	0	0	0	0	0	2	0	0	0	2	2
08:00 AM	0	2	0	0	0	2	0	2	0	0	0	2	4
08:15 AM	0	1	0	0	0	1	0	7	0	0	0	7	8
Total Volume	0	4	0	0	0	4	0	17	0	0	0	17	21
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.500	.000	.000	.000	.500	.000	.607	.000	.000	.000	.607	.656

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-5677
Counted:RL, SW
Weather:Clear

File Name : VinAal MIDDAY
Site Code : 00000053
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Aala Street Southbound					Vineyard Blvd. Westbound					Aala Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	25	28	24	7	84	8	125	18	10	161	23	37	18	4	82	19	140	44	3	206	533
11:15 AM	10	27	20	8	65	6	107	14	15	142	17	30	19	5	71	12	152	47	4	215	493
11:30 AM	1	9	9	5	24	1	65	14	2	82	20	29	20	5	74	11	127	29	8	175	355
11:45 AM	12	38	17	4	71	2	95	14	8	119	22	33	19	1	75	5	113	43	3	164	429
Total	48	102	70	24	244	17	392	60	35	504	82	129	76	15	302	47	532	163	18	760	1810
12:00 PM	10	20	26	8	64	8	86	25	11	130	28	29	31	6	94	11	127	41	4	183	471
12:15 PM	13	30	36	5	84	7	113	22	11	153	19	53	20	1	93	9	128	48	8	193	523
12:30 PM	14	28	23	11	76	7	123	17	6	153	19	30	31	2	82	8	116	44	6	174	485
12:45 PM	13	24	22	10	69	4	101	27	9	141	24	37	25	6	92	13	132	25	3	173	475
Total	50	102	107	34	293	26	423	91	37	577	90	149	107	15	361	41	503	158	21	723	1954
Grand Total	98	204	177	58	537	43	815	151	72	1081	172	278	183	30	663	88	1035	321	39	1483	3764
Apprch %	18.2	38	33	10.8		4	75.4	14	6.7		25.9	41.9	27.6	4.5		5.9	69.8	21.6	2.6		
Total %	2.6	5.4	4.7	1.5	14.3	1.1	21.7	4	1.9	28.7	4.6	7.4	4.9	0.8	17.6	2.3	27.5	8.5	1	39.4	

	Aala Street Southbound					Vineyard Blvd. Westbound					Aala Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	10	20	26	8	64	8	86	25	11	130	28	29	31	6	94	11	127	41	4	183	471
12:15 PM	13	30	36	5	84	7	113	22	11	153	19	53	20	1	93	9	128	48	8	193	523
12:30 PM	14	28	23	11	76	7	123	17	6	153	19	30	31	2	82	8	116	44	6	174	485
12:45 PM	13	24	22	10	69	4	101	27	9	141	24	37	25	6	92	13	132	25	3	173	475
Total Volume	50	102	107	34	293	26	423	91	37	577	90	149	107	15	361	41	503	158	21	723	1954
% App. Total	17.1	34.8	36.5	11.6		4.5	73.3	15.8	6.4		24.9	41.3	29.6	4.2		5.7	69.6	21.9	2.9		
PHF	.893	.850	.743	.773	.872	.813	.860	.843	.841	.943	.804	.703	.863	.625	.960	.788	.953	.823	.656	.937	.934

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-5677
Counted:RL, SW
Weather:Clear

File Name : VinAal U-Turns MIDDAY
Site Code : 00000053
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound (Number In LT Column Indicates U-Turns)					Northbound	Vineyard Blvd. Eastbound (Number In LT Column Indicates U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	4	0	0	0	4	0	3	0	0	0	3	7
11:15 AM	0	3	0	0	0	3	0	5	0	0	0	5	8
11:30 AM	0	0	0	0	0	0	0	2	0	0	0	2	2
11:45 AM	0	2	0	0	0	2	0	5	0	0	0	5	7
Total	0	9	0	0	0	9	0	15	0	0	0	15	24
12:00 PM	0	0	0	0	0	0	0	2	0	0	0	2	2
12:15 PM	0	5	0	0	0	5	0	3	0	0	0	3	8
12:30 PM	0	3	0	0	0	3	0	6	0	0	0	6	9
12:45 PM	0	1	0	0	0	1	0	2	0	0	0	2	3
Total	0	9	0	0	0	9	0	13	0	0	0	13	22
Grand Total	0	18	0	0	0	18	0	28	0	0	0	28	46
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	39.1	0	0	0	39.1	0	60.9	0	0	0	60.9	

	Southbound	Vineyard Blvd. Westbound (Number In LT Column Indicates U-Turns)					Northbound	Vineyard Blvd. Eastbound (Number In LT Column Indicates U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 11:45 AM													
11:45 AM	0	2	0	0	0	2	0	5	0	0	0	5	7
12:00 PM	0	0	0	0	0	0	0	2	0	0	0	2	2
12:15 PM	0	5	0	0	0	5	0	3	0	0	0	3	8
12:30 PM	0	3	0	0	0	3	0	6	0	0	0	6	9
Total Volume	0	10	0	0	0	10	0	16	0	0	0	16	26
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.500	.000	.000	.000	.500	.000	.667	.000	.000	.000	.667	.722

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-5677
Counted:RL, SW
Weather:Clear

File Name : VinAal PM
Site Code : 00000053
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Aala Street Southbound					Vineyard Blvd. Westbound					Aala Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	14	26	9	10	59	5	155	37	3	200	25	43	20	4	92	8	152	24	5	189	540
04:15 PM	7	17	23	7	54	2	154	32	9	197	29	40	11	2	82	12	162	38	2	214	547
04:30 PM	16	21	29	6	72	6	148	42	8	204	30	41	15	5	91	18	200	39	13	270	637
04:45 PM	12	13	25	17	67	5	188	42	8	243	34	51	12	9	106	3	178	30	8	219	635
Total	49	77	86	40	252	18	645	153	28	844	118	175	58	20	371	41	692	131	28	892	2359
05:00 PM	12	26	21	7	66	5	172	37	5	219	27	55	13	13	108	15	232	38	9	294	687
05:15 PM	13	17	40	6	76	1	186	32	9	228	41	50	10	6	107	8	194	43	6	251	662
05:30 PM	13	27	24	5	69	7	146	24	8	185	28	51	10	2	91	7	217	37	6	267	612
05:45 PM	10	20	13	2	45	6	130	36	7	179	28	40	16	5	89	7	168	34	2	211	524
Total	48	90	98	20	256	19	634	129	29	811	124	196	49	26	395	37	811	152	23	1023	2485
Grand Total	97	167	184	60	508	37	1279	282	57	1655	242	371	107	46	766	78	1503	283	51	1915	4844
Apprch %	19.1	32.9	36.2	11.8		2.2	77.3	17	3.4		31.6	48.4	14	6		4.1	78.5	14.8	2.7		
Total %	2	3.4	3.8	1.2	10.5	0.8	26.4	5.8	1.2	34.2	5	7.7	2.2	0.9	15.8	1.6	31	5.8	1.1	39.5	

	Aala Street Southbound					Vineyard Blvd. Westbound					Aala Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	**16**	21	29	6	72	**6**	148	**42**	8	204	30	41	**15**	5	91	**18**	200	39	**13**	270	637
04:45 PM	12	13	25	**17**	67	5	**188**	42	8	**243**	34	51	12	9	106	3	178	30	8	219	635
05:00 PM	12	**26**	21	7	66	5	172	37	5	219	27	**55**	13	**13**	**108**	15	**232**	38	9	**294**	**687**
05:15 PM	13	17	**40**	6	**76**	1	186	32	**9**	228	**41**	50	10	6	107	8	194	**43**	6	251	662
Total Volume	53	77	115	36	281	17	694	153	30	894	132	197	50	33	412	44	804	150	36	1034	2621
% App. Total	18.9	27.4	40.9	12.8		1.9	77.6	17.1	3.4		32	47.8	12.1	8		4.3	77.8	14.5	3.5		
PHF	.828	.740	.719	.529	.924	.708	.923	.911	.833	.920	.805	.895	.833	.635	.954	.611	.866	.872	.692	.879	.954

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

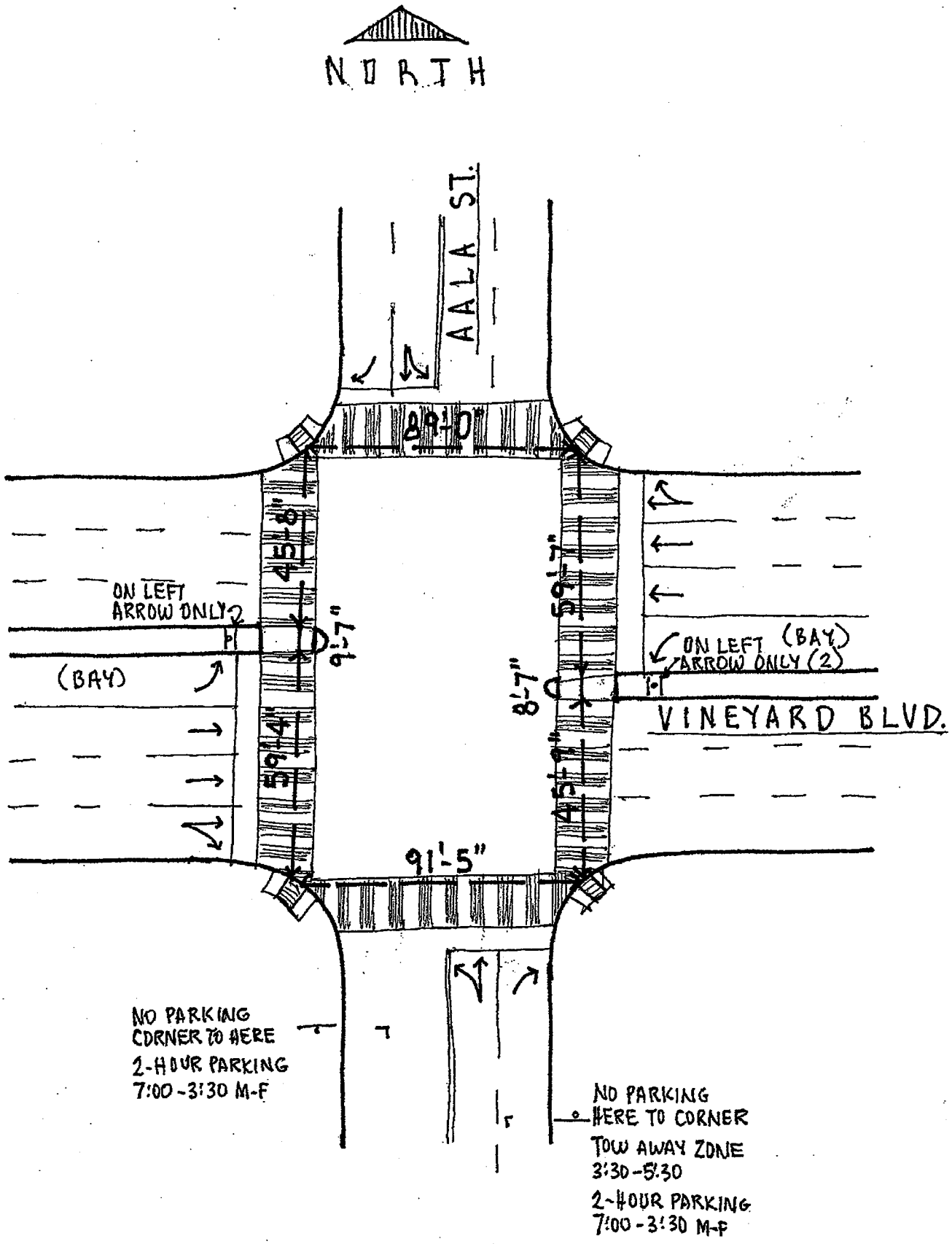
Counter:D4-3889, D4-5677
Counted:RL, SW
Weather:Clear

File Name : VinAal U-Turns PM
Site Code : 00000053
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound (Number In LT Column Indicates U-Turns)					Northbound	Vineyard Blvd. Eastbound (Number In LT Column Indicates U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	1	0	0	0	1	0	13	0	0	0	13	14
04:15 PM	0	1	0	0	0	1	0	8	0	0	0	8	9
04:30 PM	0	0	0	0	0	0	0	12	0	0	0	12	12
04:45 PM	0	2	0	0	0	2	0	5	0	0	0	5	7
Total	0	4	0	0	0	4	0	38	0	0	0	38	42
05:00 PM	0	1	0	0	0	1	0	1	0	0	0	1	2
05:15 PM	0	0	0	0	0	0	0	8	0	0	0	8	8
05:30 PM	0	0	0	0	0	0	0	3	0	0	0	3	3
05:45 PM	0	1	0	0	0	1	0	6	0	0	0	6	7
Total	0	2	0	0	0	2	0	18	0	0	0	18	20
Grand Total	0	6	0	0	0	6	0	56	0	0	0	56	62
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	9.7	0	0	0	9.7	0	90.3	0	0	0	90.3	

	Southbound	Vineyard Blvd. Westbound (Number In LT Column Indicates U-Turns)					Northbound	Vineyard Blvd. Eastbound (Number In LT Column Indicates U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	0	1	0	0	0	1	0	13	0	0	0	13	14
04:15 PM	0	1	0	0	0	1	0	8	0	0	0	8	9
04:30 PM	0	0	0	0	0	0	0	12	0	0	0	12	12
04:45 PM	0	2	0	0	0	2	0	5	0	0	0	5	7
Total Volume	0	4	0	0	0	4	0	38	0	0	0	38	42
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.500	.000	.000	.000	.500	.000	.731	.000	.000	.000	.731	.750


NORTH
AALA ST.
89'-0"
45'-8"
59'-4"
9'-7"
ON LEFT
ARROW ONLY
(BAY)
59'-7"
45'-9"
8'-7"
ON LEFT (BAY)
ARROW ONLY (2)
VINEYARD BLVD.
91'-5"
NO PARKING
CORNER TO HERE
2-HOUR PARKING
7:00-3:30 M-F
NO PARKING
HERE TO CORNER
TOW AWAY ZONE
3:30-5:30
2-HOUR PARKING
7:00-3:30 M-F

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-5672
Counted:AN, RT
Weather:Clear

File Name : VinNuu AM
Site Code : 00000055
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Vineyard Blvd. Westbound					Nuuanu Avenue Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	15	55	10	3	83	40	55	28	8	131	17	37	26	5	85	12	137	23	0	172	471
06:45 AM	21	74	9	4	108	39	78	23	6	146	17	49	36	0	102	18	163	24	2	207	563
Total	36	129	19	7	191	79	133	51	14	277	34	86	62	5	187	30	300	47	2	379	1034
07:00 AM	27	83	8	9	127	44	93	30	21	188	30	46	30	2	108	11	202	32	7	252	675
07:15 AM	30	84	18	4	136	52	121	33	9	215	28	76	54	4	162	34	178	24	7	243	756
07:30 AM	50	126	21	5	202	44	96	39	14	193	22	104	61	4	191	26	206	25	5	262	848
07:45 AM	43	111	19	12	185	60	122	47	10	239	20	70	52	0	142	26	163	27	7	223	789
Total	150	404	66	30	650	200	432	149	54	835	100	296	197	10	603	97	749	108	26	980	3068
08:00 AM	42	126	17	5	190	59	121	30	17	227	30	62	52	7	151	29	203	28	6	266	834
08:15 AM	24	112	20	7	163	52	127	32	17	228	31	66	39	7	143	18	174	37	9	238	772
Grand Total	252	771	122	49	1194	390	813	262	102	1567	195	510	350	29	1084	174	1426	220	43	1863	5708
Apprch %	21.1	64.6	10.2	4.1		24.9	51.9	16.7	6.5		18	47	32.3	2.7		9.3	76.5	11.8	2.3		
Total %	4.4	13.5	2.1	0.9	20.9	6.8	14.2	4.6	1.8	27.5	3.4	8.9	6.1	0.5	19	3	25	3.9	0.8	32.6	

	Nuuanu Avenue Southbound					Vineyard Blvd. Westbound					Nuuanu Avenue Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	**50**	**126**	**21**	5	**202**	44	96	39	14	193	22	**104**	**61**	4	**191**	26	**206**	25	5	262	**848**
07:45 AM	43	111	19	**12**	185	**60**	122	**47**	10	**239**	20	70	52	0	142	26	163	27	7	223	789
08:00 AM	42	126	17	5	190	59	121	30	17	227	30	62	52	7	151	**29**	203	28	6	**266**	834
08:15 AM	24	112	20	7	163	52	**127**	32	17	228	**31**	66	39	7	143	18	174	**37**	**9**	238	772
Total Volume	159	475	77	29	740	215	466	148	58	887	103	302	204	18	627	99	746	117	27	989	3243
% App. Total	21.5	64.2	10.4	3.9		24.2	52.5	16.7	6.5		16.4	48.2	32.5	2.9		10	75.4	11.8	2.7		
PHF	.795	.942	.917	.604	.916	.896	.917	.787	.853	.928	.831	.726	.836	.643	.821	.853	.905	.791	.750	.930	.956

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5675
Counted:AN, RT
Weather:Clear

File Name : VinNuu U-Turns AM
Site Code : 00000055
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound (Numbers In LT Column Indicate U-Turns)					Northbound	Vineyard Blvd. Eastbound (Numbers In LT Column Indicate U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	8	0	0	0	8	0	2	0	0	0	2	10
06:45 AM	0	9	0	0	0	9	0	6	0	0	0	6	15
Total	0	17	0	0	0	17	0	8	0	0	0	8	25
07:00 AM	0	11	0	0	0	11	0	2	0	0	0	2	13
07:15 AM	0	9	0	0	0	9	0	4	0	0	0	4	13
07:30 AM	0	11	0	0	0	11	0	0	0	0	0	0	11
07:45 AM	0	10	0	0	0	10	0	4	0	0	0	4	14
Total	0	41	0	0	0	41	0	10	0	0	0	10	51
08:00 AM	0	9	0	0	0	9	0	3	0	0	0	3	12
08:15 AM	0	5	0	0	0	5	0	8	0	0	0	8	13
Grand Total	0	72	0	0	0	72	0	29	0	0	0	29	101
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	71.3	0	0	0	71.3	0	28.7	0	0	0	28.7	

	Southbound	Vineyard Blvd. Westbound (Numbers In LT Column Indicate U-Turns)					Northbound	Vineyard Blvd. Eastbound (Numbers In LT Column Indicate U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 06:45 AM													
06:45 AM	0	9	0	0	0	9	0	6	0	0	0	6	15
07:00 AM	0	11	0	0	0	11	0	2	0	0	0	2	13
07:15 AM	0	9	0	0	0	9	0	4	0	0	0	4	13
07:30 AM	0	11	0	0	0	11	0	0	0	0	0	0	11
Total Volume	0	40	0	0	0	40	0	12	0	0	0	12	52
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.909	.000	.000	.000	.909	.000	.500	.000	.000	.000	.500	.867

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5675
Counted:AN, RT
Weather:Clear

File Name : Vin Nuu MIDDAY
Site Code : 00000055
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Beretania Street Westbound					Nuuanu Avenue Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	19	46	13	10	88	25	94	45	14	178	25	87	54	0	166	38	144	18	1	201	633
11:15 AM	19	43	14	7	83	26	105	54	13	198	34	75	53	0	162	43	162	20	4	229	672
11:30 AM	14	57	13	2	86	20	80	33	6	139	34	79	44	8	165	42	143	23	8	216	606
11:45 AM	32	47	18	9	106	28	107	40	8	183	28	93	53	0	174	26	179	24	6	235	698
Total	84	193	58	28	363	99	386	172	41	698	121	334	204	8	667	149	628	85	19	881	2609
12:00 PM	25	33	15	1	74	24	89	42	16	171	37	93	58	4	192	29	171	18	1	219	656
12:15 PM	25	37	13	7	82	19	114	45	11	189	31	110	64	9	214	33	108	24	7	172	657
12:30 PM	25	51	20	7	103	24	120	46	14	204	21	92	48	3	164	32	166	24	8	230	701
12:45 PM	21	22	20	1	64	29	87	30	13	159	29	88	63	5	185	37	150	26	9	222	630
Total	96	143	68	16	323	96	410	163	54	723	118	383	233	21	755	131	595	92	25	843	2644
Grand Total	180	336	126	44	686	195	796	335	95	1421	239	717	437	29	1422	280	1223	177	44	1724	5253
Apprch %	26.2	49	18.4	6.4		13.7	56	23.6	6.7		16.8	50.4	30.7	2		16.2	70.9	10.3	2.6		
Total %	3.4	6.4	2.4	0.8	13.1	3.7	15.2	6.4	1.8	27.1	4.5	13.6	8.3	0.6	27.1	5.3	23.3	3.4	0.8	32.8	

	Nuuanu Avenue Southbound					Beretania Street Westbound					Nuuanu Avenue Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	**32**	47	18	**9**	**106**	**28**	107	40	8	183	28	93	53	0	174	26	**179**	**24**	6	**235**	698
12:00 PM	25	33	15	1	74	24	89	42	**16**	171	**37**	93	58	4	192	29	171	18	1	219	656
12:15 PM	25	37	13	7	82	19	114	45	11	189	31	**110**	**64**	**9**	**214**	**33**	108	24	7	172	657
12:30 PM	25	**51**	**20**	7	103	24	**120**	**46**	14	**204**	21	92	48	3	164	32	166	24	**8**	230	**701**
Total Volume	107	168	66	24	365	95	430	173	49	747	117	388	223	16	744	120	624	90	22	856	2712
% App. Total	29.3	46	18.1	6.6		12.7	57.6	23.2	6.6		15.7	52.2	30	2.2		14	72.9	10.5	2.6		
PHF	.836	.824	.825	.667	.861	.848	.896	.940	.766	.915	.791	.882	.871	.444	.869	.909	.872	.938	.688	.911	.967

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5675
Counted:AN, RT
Weather:Clear

File Name : VinNuu U-Turns MIDDAY
Site Code : 00000055
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Northbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	3	0	0	0	3	0	3	0	0	0	3	6
11:15 AM	0	4	0	0	0	4	0	2	0	0	0	2	6
11:30 AM	0	1	0	0	0	1	0	2	0	0	0	2	3
11:45 AM	0	2	0	0	0	2	0	7	0	0	0	7	9
Total	0	10	0	0	0	10	0	14	0	0	0	14	24
12:00 PM	0	2	0	0	0	2	0	5	0	0	0	5	7
12:15 PM	0	3	0	0	0	3	0	7	0	0	0	7	10
12:30 PM	0	0	0	0	0	0	0	4	0	0	0	4	4
12:45 PM	0	7	0	0	0	7	0	5	0	0	0	5	12
Total	0	12	0	0	0	12	0	21	0	0	0	21	33
Grand Total	0	22	0	0	0	22	0	35	0	0	0	35	57
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	38.6	0	0	0	38.6	0	61.4	0	0	0	61.4	

	Southbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Northbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 12:00 PM													
12:00 PM	0	2	0	0	0	2	0	5	0	0	0	5	7
12:15 PM	0	3	0	0	0	3	0	7	0	0	0	7	10
12:30 PM	0	0	0	0	0	0	0	4	0	0	0	4	4
12:45 PM	0	7	0	0	0	7	0	5	0	0	0	5	12
Total Volume	0	12	0	0	0	12	0	21	0	0	0	21	33
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.429	.000	.000	.000	.429	.000	.750	.000	.000	.000	.750	.688

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5675
Counted:RT, SD
Weather:Clear

File Name : VinNuu PM
Site Code : 00000055
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Vineyard Blvd. Westbound					Nuuanu Avenue Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	32	47	13	4	96	16	123	29	17	185	50	177	81	0	308	49	168	22	1	240	829
04:15 PM	14	38	15	8	75	26	127	45	12	210	37	181	91	0	309	52	249	18	0	319	913
04:30 PM	14	49	5	4	72	17	102	53	14	186	45	204	88	0	337	48	202	11	0	261	856
04:45 PM	15	33	9	6	63	26	116	44	14	200	41	207	94	0	342	43	195	26	0	264	869
Total	75	167	42	22	306	85	468	171	57	781	173	769	354	0	1296	192	814	77	1	1084	3467
05:00 PM	18	40	10	8	76	21	131	65	20	237	37	198	65	0	300	36	217	19	0	272	885
05:15 PM	25	46	6	12	89	18	93	53	20	184	34	247	78	0	359	50	205	34	0	289	921
05:30 PM	13	42	16	12	83	15	110	52	21	198	40	217	94	0	351	39	133	23	0	195	827
05:45 PM	14	37	16	4	71	15	102	50	12	179	21	148	71	0	240	47	223	35	0	305	795
Total	70	165	48	36	319	69	436	220	73	798	132	810	308	0	1250	172	778	111	0	1061	3428
Grand Total	145	332	90	58	625	154	904	391	130	1579	305	1579	662	0	2546	364	1592	188	1	2145	6895
Apprch %	23.2	53.1	14.4	9.3		9.8	57.3	24.8	8.2		12	62	26	0		17	74.2	8.8	0		
Total %	2.1	4.8	1.3	0.8	9.1	2.2	13.1	5.7	1.9	22.9	4.4	22.9	9.6	0	36.9	5.3	23.1	2.7	0	31.1	

	Nuuanu Avenue Southbound					Vineyard Blvd. Westbound					Nuuanu Avenue Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	14	**49**	5	4	72	17	102	53	14	186	**45**	204	88	0	337	48	202	11	0	261	856
04:45 PM	15	33	9	6	63	**26**	116	44	14	200	41	207	**94**	0	342	43	195	26	0	264	869
05:00 PM	18	40	**10**	8	76	21	**131**	**65**	**20**	**237**	37	198	65	0	300	36	**217**	19	0	272	885
05:15 PM	**25**	46	6	**12**	**89**	18	93	53	20	184	34	**247**	78	0	**359**	**50**	205	**34**	0	**289**	**921**
Total Volume	72	168	30	30	300	82	442	215	68	807	157	856	325	0	1338	177	819	90	0	1086	3531
% App. Total	24	56	10	10		10.2	54.8	26.6	8.4		11.7	64	24.3	0		16.3	75.4	8.3	0		
PHF	.720	.857	.750	.625	.843	.788	.844	.827	.850	.851	.872	.866	.864	.000	.932	.885	.944	.662	.000	.939	.958

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

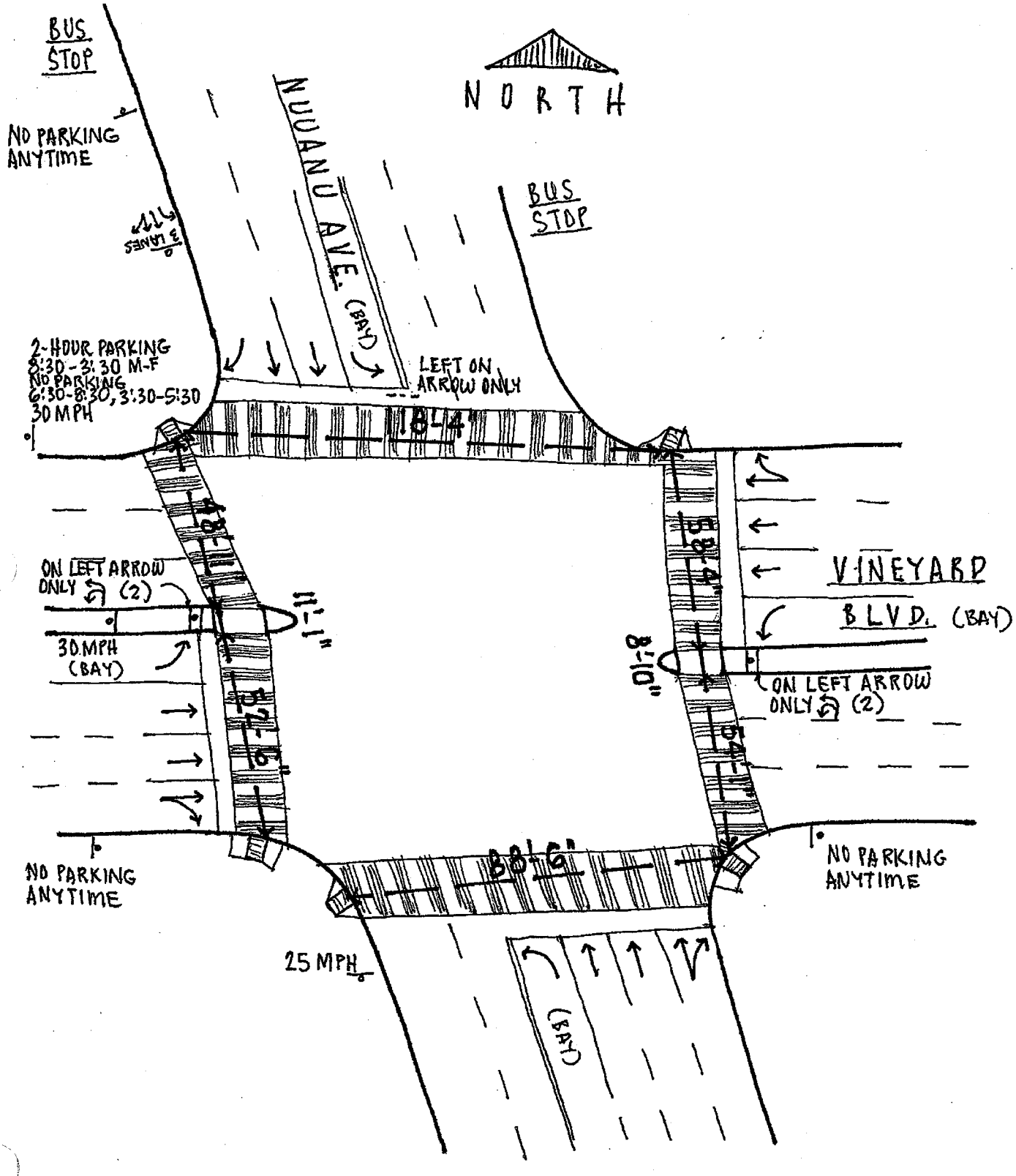
Counter:D4-5672, D4-5675
Counted:RT, SD
Weather:Clear

File Name : VinNuu U-Turns PM
Site Code : 00000055
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Northbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	0	0	0	0	1	0	0	0	1	1
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	1	0	0	0	1	0	1	0	0	0	1	2
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	0	0	1	0	2	0	0	0	2	3
05:00 PM	0	1	0	0	0	1	0	0	0	0	0	0	1
05:15 PM	0	2	0	0	0	2	0	0	0	0	0	0	2
05:30 PM	0	0	0	0	0	0	0	1	0	0	0	1	1
05:45 PM	0	1	0	0	0	1	0	0	0	0	0	0	1
Total	0	4	0	0	0	4	0	1	0	0	0	1	5
Grand Total	0	5	0	0	0	5	0	3	0	0	0	3	8
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	62.5	0	0	0	62.5	0	37.5	0	0	0	37.5	

	Southbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Northbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:30 PM													
04:30 PM	0	1	0	0	0	1	0	1	0	0	0	1	2
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 PM	0	1	0	0	0	1	0	0	0	0	0	0	1
05:15 PM	0	2	0	0	0	2	0	0	0	0	0	0	2
Total Volume	0	4	0	0	0	4	0	1	0	0	0	1	5
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.500	.000	.000	.000	.500	.000	.250	.000	.000	.000	.250	.625


BUS STOP
NO PARKING ANYTIME
NORTH
NUUANU AVE. (BAY)
BUS STOP
5 LANES 67'
2-HOUR PARKING 8:30-3:30 M-F
NO PARKING 6:30-8:30, 3:30-5:30
30 MPH
LEFT ON ARROW ONLY
18'-4"
ON LEFT ARROW ONLY (2)
30 MPH (BAY)
11'-1"
VINEYARD BLVD. (BAY)
8'-10"
ON LEFT ARROW ONLY (2)
NO PARKING ANYTIME
88'-6"
NO PARKING ANYTIME
25 MPH
(BAY)

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, HI 96826

Counter:D4-3889, D4-3891
Counted:JM, SW
Weather:Clear

File Name : VinPal AM
Site Code : 00000056
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Southbound					Vineyard Blvd. Westbound					Pali Highway Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	47	226	16	3	292	66	122	9	1	198	15	0	6	12	33	12	141	33	15	201	724
06:45 AM	56	327	14	5	402	86	105	5	3	199	13	29	4	11	57	27	174	25	13	239	897
Total	103	553	30	8	694	152	227	14	4	397	28	29	10	23	90	39	315	58	28	440	1621
07:00 AM	54	308	19	1	382	73	129	19	2	223	33	43	3	2	81	25	183	23	17	248	934
07:15 AM	68	317	18	8	411	84	164	26	0	274	23	29	2	10	64	31	236	31	13	311	1060
07:30 AM	73	340	19	10	442	84	129	14	0	227	35	52	4	17	108	36	210	26	24	296	1073
07:45 AM	75	315	22	4	416	72	215	43	0	330	36	51	3	6	96	15	245	19	27	306	1148
Total	270	1280	78	23	1651	313	637	102	2	1054	127	175	12	35	349	107	874	99	81	1161	4215
08:00 AM	59	327	20	1	407	90	162	32	0	284	38	33	2	9	82	37	218	29	19	303	1076
08:15 AM	75	359	18	2	454	74	163	23	0	260	29	31	1	6	67	29	139	27	14	209	990
Grand Total	507	2519	146	34	3206	629	1189	171	6	1995	222	268	25	73	588	212	1546	213	142	2113	7902
Apprch %	15.8	78.6	4.6	1.1		31.5	59.6	8.6	0.3		37.8	45.6	4.3	12.4		10	73.2	10.1	6.7		
Total %	6.4	31.9	1.8	0.4	40.6	8	15	2.2	0.1	25.2	2.8	3.4	0.3	0.9	7.4	2.7	19.6	2.7	1.8	26.7	

	Pali Highway Southbound					Vineyard Blvd. Westbound					Pali Highway Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	68	317	18	8	411	84	164	26	0	274	23	29	2	10	64	31	236	31	13	**311**	1060
07:30 AM	73	**340**	19	**10**	**442**	84	129	14	0	227	35	**52**	**4**	**17**	**108**	36	210	26	24	296	1073
07:45 AM	**75**	315	**22**	4	416	72	**215**	**43**	0	**330**	36	51	3	6	96	15	**245**	19	**27**	306	**1148**
08:00 AM	59	327	20	1	407	**90**	162	32	0	284	**38**	33	2	9	82	**37**	218	29	19	303	1076
Total Volume	275	1299	79	23	1676	330	670	115	0	1115	132	165	11	42	350	119	909	105	83	1216	4357
% App. Total	16.4	77.5	4.7	1.4		29.6	60.1	10.3	0		37.7	47.1	3.1	12		9.8	74.8	8.6	6.8		
PHF	.917	.955	.898	.575	.948	.917	.779	.669	.000	.845	.868	.793	.688	.618	.810	.804	.928	.847	.769	.977	.949

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-3891
Counted:JM, SW
Weather:Clear

File Name : VinPal U-Turns AM
Site Code : 00000056
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Numbers In LT Column Indicate U-Turns Southbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Pali Highway Numbers In LT Column Indicate U-Turns Northbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	1	0	0	0	1	10	0	0	0	10	0	0	0	0	0	3	0	0	0	3	14
06:45 AM	0	0	0	0	0	16	0	0	0	16	3	0	0	0	3	3	0	0	0	3	22
Total	1	0	0	0	1	26	0	0	0	26	3	0	0	0	3	6	0	0	0	6	36
07:00 AM	1	0	0	0	1	13	0	0	0	13	3	0	0	0	3	1	0	0	0	1	18
07:15 AM	3	0	0	0	3	8	0	0	0	8	7	0	0	0	7	1	0	0	0	1	19
07:30 AM	3	0	0	0	3	16	0	0	0	16	6	0	0	0	6	2	0	0	0	2	27
07:45 AM	1	0	0	0	1	15	0	0	0	15	11	0	0	0	11	1	0	0	0	1	28
Total	8	0	0	0	8	52	0	0	0	52	27	0	0	0	27	5	0	0	0	5	92
08:00 AM	2	0	0	0	2	8	0	0	0	8	4	0	0	0	4	4	0	0	0	4	18
08:15 AM	0	0	0	0	0	6	0	0	0	6	6	0	0	0	6	0	0	0	0	0	12
Grand Total	11	0	0	0	11	92	0	0	0	92	40	0	0	0	40	15	0	0	0	15	158
Apprch %	100	0	0	0		100	0	0	0		100	0	0	0		100	0	0	0		
Total %	7	0	0	0	7	58.2	0	0	0	58.2	25.3	0	0	0	25.3	9.5	0	0	0	9.5	

	Pali Highway Numbers In LT Column Indicate U-Turns Southbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Pali Highway Numbers In LT Column Indicate U-Turns Northbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	1	0	0	0	1	13	0	0	0	13	3	0	0	0	3	1	0	0	0	1	18
07:15 AM	3	0	0	0	3	8	0	0	0	8	7	0	0	0	7	1	0	0	0	1	19
07:30 AM	3	0	0	0	3	16	0	0	0	16	6	0	0	0	6	2	0	0	0	2	27
07:45 AM	1	0	0	0	1	15	0	0	0	15	11	0	0	0	11	1	0	0	0	1	28
Total Volume	8	0	0	0	8	52	0	0	0	52	27	0	0	0	27	5	0	0	0	5	92
% App. Total	100	0	0	0		100	0	0	0		100	0	0	0		100	0	0	0		
PHF	.667	.000	.000	.000	.667	.813	.000	.000	.000	.813	.614	.000	.000	.000	.614	.625	.000	.000	.000	.625	.821

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-3891
Counted:JM, SW
Weather:Clear

File Name : VinPal MIDDAY
Site Code : 00000056
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Southbound					Vineyard Blvd. Westbound					Pali Highway Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	32	169	22	7	230	84	115	9	0	208	17	41	0	3	61	31	125	19	14	189	688
11:15 AM	38	168	21	15	242	65	111	8	1	185	35	54	0	3	92	48	143	16	15	222	741
11:30 AM	25	153	34	4	216	55	94	7	2	158	30	55	2	5	92	35	149	22	7	213	679
11:45 AM	38	164	26	3	231	59	91	11	0	161	52	72	5	1	130	43	172	19	8	242	764
Total	133	654	103	29	919	263	411	35	3	712	134	222	7	12	375	157	589	76	44	866	2872
12:00 PM	41	135	17	7	200	71	111	16	1	199	32	76	2	7	117	42	189	15	8	254	770
12:15 PM	42	184	25	9	260	54	106	12	5	177	33	71	3	12	119	19	140	21	14	194	750
12:30 PM	30	151	20	1	202	58	135	17	2	212	42	65	7	7	121	31	178	8	7	224	759
12:45 PM	49	159	22	6	236	57	101	8	0	166	25	70	6	2	103	49	175	18	13	255	760
Total	162	629	84	23	898	240	453	53	8	754	132	282	18	28	460	141	682	62	42	927	3039
Grand Total	295	1283	187	52	1817	503	864	88	11	1466	266	504	25	40	835	298	1271	138	86	1793	5911
Apprch %	16.2	70.6	10.3	2.9		34.3	58.9	6	0.8		31.9	60.4	3	4.8		16.6	70.9	7.7	4.8		
Total %	5	21.7	3.2	0.9	30.7	8.5	14.6	1.5	0.2	24.8	4.5	8.5	0.4	0.7	14.1	5	21.5	2.3	1.5	30.3	

	Pali Highway Southbound					Vineyard Blvd. Westbound					Pali Highway Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	38	164	**26**	3	231	59	91	11	0	161	**52**	72	5	1	**130**	**43**	172	19	8	242	764
12:00 PM	41	135	17	7	200	**71**	111	16	1	199	32	**76**	2	7	117	42	**189**	15	8	**254**	**770**
12:15 PM	**42**	**184**	25	**9**	**260**	54	106	12	**5**	177	33	71	3	**12**	119	19	140	**21**	**14**	194	750
12:30 PM	30	151	20	1	202	58	**135**	**17**	2	**212**	42	65	**7**	7	121	31	178	8	7	224	759
Total Volume	151	634	88	20	893	242	443	56	8	749	159	284	17	27	487	135	679	63	37	914	3043
% App. Total	16.9	71	9.9	2.2		32.3	59.1	7.5	1.1		32.6	58.3	3.5	5.5		14.8	74.3	6.9	4		
PHF	.899	.861	.846	.556	.859	.852	.820	.824	.400	.883	.764	.934	.607	.563	.937	.785	.898	.750	.661	.900	.988

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-3891
Counted:JM, SW
Weather:Clear

File Name : VinPal U-Turns MIDDAY
Site Code : 00000056
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway NUmbers In LT Column Indicate U-Turns Southbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Pali Highway NUmbers In LT Column Indicate U-Turns Northbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	1	0	0	0	1	2	0	0	0	2	2	0	0	0	2	10	0	0	0	10	15
11:15 AM	2	0	0	0	2	9	0	0	0	9	9	0	0	0	9	11	0	0	0	11	31
11:30 AM	4	0	0	0	4	5	0	0	0	5	5	0	0	0	5	5	0	0	0	5	19
11:45 AM	2	0	0	0	2	9	0	0	0	9	4	0	0	0	4	3	0	0	0	3	18
Total	9	0	0	0	9	25	0	0	0	25	20	0	0	0	20	29	0	0	0	29	83
12:00 PM	0	0	0	0	0	10	0	0	0	10	5	0	0	0	5	8	0	0	0	8	23
12:15 PM	4	0	0	0	4	7	0	0	0	7	9	0	0	0	9	8	0	0	0	8	28
12:30 PM	4	0	0	0	4	7	0	0	0	7	6	0	0	0	6	10	0	0	0	10	27
12:45 PM	4	0	0	0	4	6	0	0	0	6	8	0	0	0	8	4	0	0	0	4	22
Total	12	0	0	0	12	30	0	0	0	30	28	0	0	0	28	30	0	0	0	30	100
Grand Total	21	0	0	0	21	55	0	0	0	55	48	0	0	0	48	59	0	0	0	59	183
Apprch %	100	0	0	0		100	0	0	0		100	0	0	0		100	0	0	0		
Total %	11.5	0	0	0	11.5	30.1	0	0	0	30.1	26.2	0	0	0	26.2	32.2	0	0	0	32.2	

	Pali Highway NUmbers In LT Column Indicate U-Turns Southbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Pali Highway NUmbers In LT Column Indicate U-Turns Northbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	0	0	0	0	**10**	0	0	0	**10**	5	0	0	0	5	8	0	0	0	8	23
12:15 PM	**4**	0	0	0	**4**	7	0	0	0	7	**9**	0	0	0	**9**	8	0	0	0	8	**28**
12:30 PM	4	0	0	0	4	7	0	0	0	7	6	0	0	0	6	**10**	0	0	0	**10**	27
12:45 PM	4	0	0	0	4	6	0	0	0	6	8	0	0	0	8	4	0	0	0	4	22
Total Volume	12	0	0	0	12	30	0	0	0	30	28	0	0	0	28	30	0	0	0	30	100
% App. Total	100	0	0	0		100	0	0	0		100	0	0	0		100	0	0	0		
PHF	.750	.000	.000	.000	.750	.750	.000	.000	.000	.750	.778	.000	.000	.000	.778	.750	.000	.000	.000	.750	.893

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-3891
Counted:JM, SW
Weather:Clear

File Name : VinPal PM
Site Code : 00000056
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Southbound					Vineyard Blvd. Westbound					Pali Highway Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	43	126	6	1	176	37	137	21	0	195	36	90	3	2	131	58	177	14	18	267	769
04:15 PM	32	128	8	0	168	48	87	27	18	180	38	192	3	9	242	60	213	25	7	305	895
04:30 PM	43	134	8	4	189	62	127	31	7	227	56	215	2	14	287	56	232	23	20	331	1034
04:45 PM	38	144	12	4	198	68	123	30	9	230	72	218	1	7	298	33	195	9	16	253	979
Total	156	532	34	9	731	215	474	109	34	832	202	715	9	32	958	207	817	71	61	1156	3677
05:00 PM	48	133	10	1	192	63	118	36	6	223	74	249	13	20	356	42	206	13	23	284	1055
05:15 PM	21	123	7	6	157	59	103	31	13	206	54	201	2	12	269	42	227	15	5	289	921
05:30 PM	50	114	10	7	181	54	101	8	8	171	90	253	4	6	353	23	209	19	0	251	956
05:45 PM	34	89	6	4	133	63	88	8	4	163	31	161	2	7	201	67	218	12	5	302	799
Total	153	459	33	18	663	239	410	83	31	763	249	864	21	45	1179	174	860	59	33	1126	3731
Grand Total	309	991	67	27	1394	454	884	192	65	1595	451	1579	30	77	2137	381	1677	130	94	2282	7408
Apprch %	22.2	71.1	4.8	1.9		28.5	55.4	12	4.1		21.1	73.9	1.4	3.6		16.7	73.5	5.7	4.1		
Total %	4.2	13.4	0.9	0.4	18.8	6.1	11.9	2.6	0.9	21.5	6.1	21.3	0.4	1	28.8	5.1	22.6	1.8	1.3	30.8	

	Pali Highway Southbound					Vineyard Blvd. Westbound					Pali Highway Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	43	134	8	4	189	62	**127**	31	7	227	56	215	2	14	287	**56**	**232**	**23**	20	**331**	1034
04:45 PM	38	**144**	**12**	4	**198**	**68**	123	30	9	**230**	72	218	**1**	7	298	33	195	9	16	253	979
05:00 PM	**48**	133	10	1	192	63	118	**36**	6	223	**74**	**249**	**13**	**20**	**356**	42	206	13	**23**	284	**1055**
05:15 PM	21	123	7	**6**	157	59	103	31	**13**	206	54	201	2	12	269	42	227	15	5	289	921
Total Volume	150	534	37	15	736	252	471	128	35	886	256	883	18	53	1210	173	860	60	64	1157	3989
% App. Total	20.4	72.6	5	2		28.4	53.2	14.4	4		21.2	73	1.5	4.4		15	74.3	5.2	5.5		
PHF	.781	.927	.771	.625	.929	.926	.927	.889	.673	.963	.865	.887	.346	.663	.850	.772	.927	.652	.696	.874	.945

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

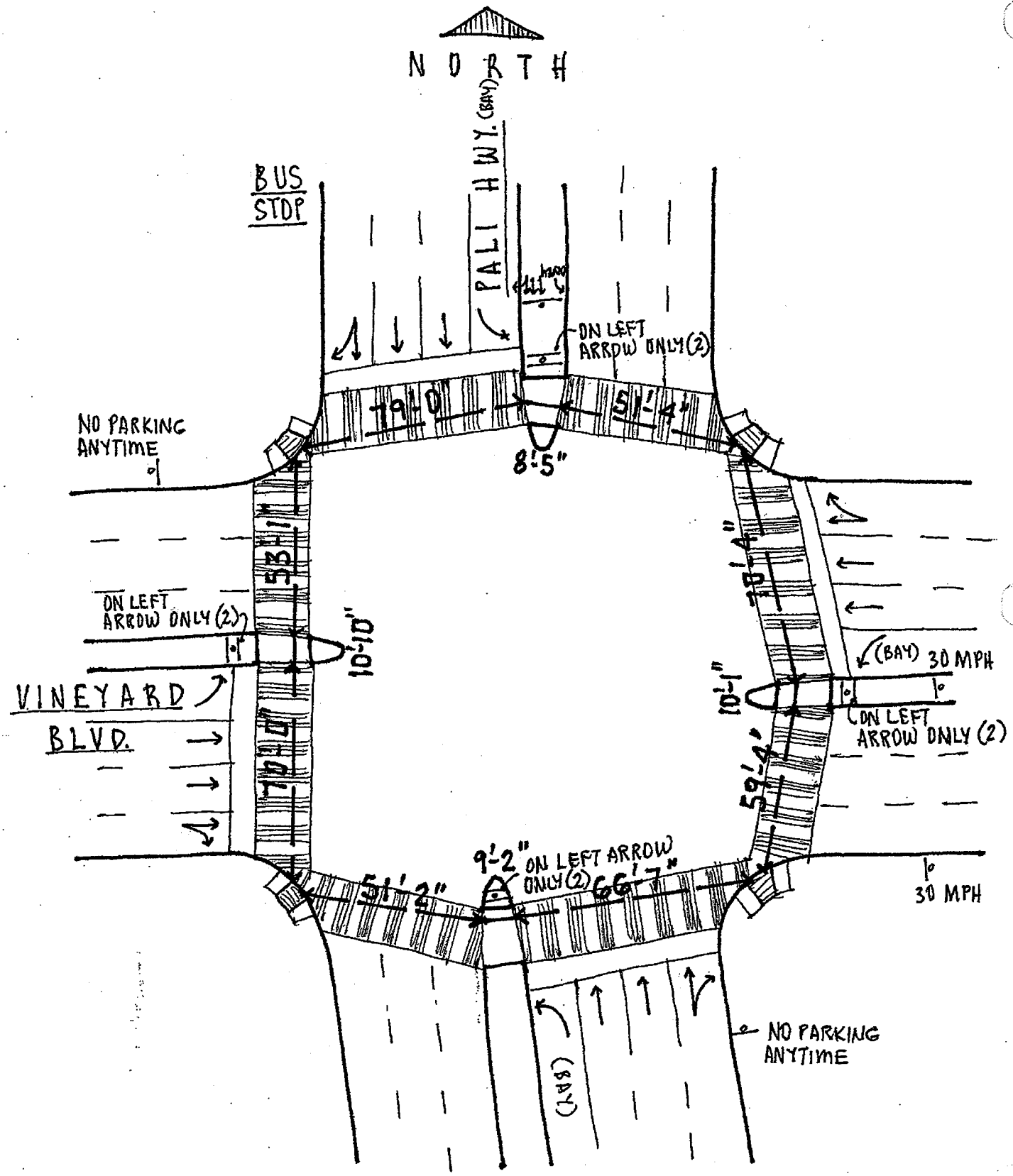
Counter:D4-3889, D4-3891
Counted:JM, SW
Weather:Clear

File Name : VinPal U-Turns PM
Site Code : 00000056
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Numbers In LT Column Indicate U-Turns Southbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Pali Highway Numbers In LT Column Indicate U-Turns Northbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	9	0	0	0	9	6	0	0	0	6	2	0	0	0	2	3	0	0	0	3	20
04:15 PM	3	0	0	0	3	6	0	0	0	6	6	0	0	0	6	4	0	0	0	4	19
04:30 PM	9	0	0	0	9	16	0	0	0	16	7	0	0	0	7	3	0	0	0	3	35
04:45 PM	1	0	0	0	1	16	0	0	0	16	6	0	0	0	6	2	0	0	0	2	25
Total	22	0	0	0	22	44	0	0	0	44	21	0	0	0	21	12	0	0	0	12	99
05:00 PM	2	0	0	0	2	5	0	0	0	5	1	0	0	0	1	0	0	0	0	0	8
05:15 PM	8	0	0	0	8	9	0	0	0	9	7	0	0	0	7	0	0	0	0	0	24
05:30 PM	6	0	0	0	6	8	0	0	0	8	13	0	0	0	13	3	0	0	0	3	30
05:45 PM	4	0	0	0	4	8	0	0	0	8	9	0	0	0	9	1	0	0	0	1	22
Total	20	0	0	0	20	30	0	0	0	30	30	0	0	0	30	4	0	0	0	4	84
Grand Total	42	0	0	0	42	74	0	0	0	74	51	0	0	0	51	16	0	0	0	16	183
Apprch %	100	0	0	0		100	0	0	0		100	0	0	0		100	0	0	0		
Total %	23	0	0	0	23	40.4	0	0	0	40.4	27.9	0	0	0	27.9	8.7	0	0	0	8.7	

	Pali Highway Numbers In LT Column Indicate U-Turns Southbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Pali Highway Numbers In LT Column Indicate U-Turns Northbound					Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	**9**	0	0	0	**9**	6	0	0	0	6	2	0	0	0	2	3	0	0	0	3	20
04:15 PM	3	0	0	0	3	6	0	0	0	6	6	0	0	0	6	**4**	0	0	0	**4**	19
04:30 PM	9	0	0	0	9	**16**	0	0	0	**16**	**7**	0	0	0	**7**	3	0	0	0	3	**35**
04:45 PM	1	0	0	0	1	16	0	0	0	16	6	0	0	0	6	2	0	0	0	2	25
Total Volume	22	0	0	0	22	44	0	0	0	44	21	0	0	0	21	12	0	0	0	12	99
% App. Total	100	0	0	0		100	0	0	0		100	0	0	0		100	0	0	0		
PHF	.611	.000	.000	.000	.611	.688	.000	.000	.000	.688	.750	.000	.000	.000	.750	.750	.000	.000	.000	.750	.707


NORTH
PALI HWY. (BAY)
BUS STOP
ON LEFT ARROW ONLY (2)
NO PARKING ANYTIME
19'-0"
51'-4"
8'-5"
53'-1"
10'-10"
ON LEFT ARROW ONLY (2)
VINEYARD BLVD.
19'-0"
10'-4"
10'-1"
(BAY) 30 MPH
ON LEFT ARROW ONLY (2)
59'-4"
9'-2"
ON LEFT ARROW ONLY (2)
51'-2"
66'-7"
30 MPH
NO PARKING ANYTIME
(BAY)

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5673
Counted:JK, RT
Weather:Clear

File Name : VinQue AM
Site Code : 00000057
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Queen Emma Street Southbound					Vineyard Blvd. Westbound					Queen Emma Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	19	15	25	8	67	56	143	25	5	229	3	16	48	4	71	14	197	13	3	227	594
06:45 AM	25	16	27	8	76	63	165	16	8	252	9	22	53	7	91	24	172	25	3	224	643
Total	44	31	52	16	143	119	308	41	13	481	12	38	101	11	162	38	369	38	6	451	1237
07:00 AM	26	35	29	8	98	73	187	15	7	282	10	24	52	0	86	18	192	26	5	241	707
07:15 AM	45	60	30	2	137	72	185	12	13	282	6	31	72	8	117	11	257	25	6	299	835
07:30 AM	34	69	26	12	141	65	207	18	20	310	13	30	113	7	163	20	218	45	5	288	902
07:45 AM	29	70	54	15	168	87	185	19	22	313	18	41	99	7	165	16	273	30	8	327	973
Total	134	234	139	37	544	297	764	64	62	1187	47	126	336	22	531	65	940	126	24	1155	3417
08:00 AM	35	58	48	11	152	62	195	14	16	287	12	27	86	3	128	20	270	16	10	316	883
08:15 AM	41	48	27	7	123	67	203	11	4	285	14	35	79	4	132	14	214	11	6	245	785
Grand Total	254	371	266	71	962	545	1470	130	95	2240	85	226	602	40	953	137	1793	191	46	2167	6322
Apprch %	26.4	38.6	27.7	7.4		24.3	65.6	5.8	4.2		8.9	23.7	63.2	4.2		6.3	82.7	8.8	2.1		
Total %	4	5.9	4.2	1.1	15.2	8.6	23.3	2.1	1.5	35.4	1.3	3.6	9.5	0.6	15.1	2.2	28.4	3	0.7	34.3	

	Queen Emma Street Southbound					Vineyard Blvd. Westbound					Queen Emma Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	**45**	60	30	2	137	72	185	12	13	282	6	31	72	**8**	117	11	257	25	6	299	835
07:30 AM	34	69	26	12	141	65	**207**	18	20	310	13	30	**113**	7	163	**20**	218	**45**	5	288	902
07:45 AM	29	**70**	**54**	**15**	**168**	**87**	185	**19**	**22**	**313**	**18**	**41**	99	7	**165**	16	**273**	30	8	**327**	**973**
08:00 AM	35	58	48	11	152	62	195	14	16	287	12	27	86	3	128	20	270	16	**10**	316	883
Total Volume	143	257	158	40	598	286	772	63	71	1192	49	129	370	25	573	67	1018	116	29	1230	3593
% App. Total	23.9	43	26.4	6.7		24	64.8	5.3	6		8.6	22.5	64.6	4.4		5.4	82.8	9.4	2.4		
PHF	.794	.918	.731	.667	.890	.822	.932	.829	.807	.952	.681	.787	.819	.781	.868	.838	.932	.644	.725	.940	.923

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-5676
Counted:RT, JK
Weather:Clear

File Name : VinQue U-Turns AM
Site Code : 00000057
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Number In LT Column Indicate U-Turns Westbound					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
06:30 AM	0	1	0	0	0	1	0	0	1
06:45 AM	0	3	0	0	0	3	0	0	3
Total	0	4	0	0	0	4	0	0	4
07:00 AM	0	4	0	0	0	4	0	0	4
07:15 AM	0	4	0	0	0	4	0	0	4
07:30 AM	0	6	0	0	0	6	0	0	6
07:45 AM	0	5	0	0	0	5	0	0	5
Total	0	19	0	0	0	19	0	0	19
08:00 AM	0	2	0	0	0	2	0	0	2
08:15 AM	0	1	0	0	0	1	0	0	1
Grand Total	0	26	0	0	0	26	0	0	26
Apprch %		100	0	0	0				
Total %	0	100	0	0	0	100	0	0	

	Southbound	Vineyard Blvd. Number In LT Column Indicate U-Turns Westbound					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 07:00 AM									
07:00 AM	0	4	0	0	0	4	0	0	4
07:15 AM	0	4	0	0	0	4	0	0	4
07:30 AM	0	6	0	0	0	6	0	0	6
07:45 AM	0	5	0	0	0	5	0	0	5
Total Volume	0	19	0	0	0	19	0	0	19
% App. Total		100	0	0	0				
PHF	.000	.792	.000	.000	.000	.792	.000	.000	.792

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5673
Counted:JK, RT
Weather:Clear

File Name : VinQue MIDDAY
Site Code : 00000057
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Queen Emma Street Southbound					Vineyard Blvd. Westbound					Queen Emma Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	23	6	24	9	62	26	127	11	4	168	25	23	121	0	169	14	197	16	3	230	629
11:15 AM	19	17	18	7	61	20	115	11	11	157	33	37	105	2	177	19	207	20	10	256	651
11:30 AM	17	9	26	4	56	23	146	15	5	189	21	62	109	6	198	26	192	19	8	245	688
11:45 AM	19	15	25	4	63	25	116	25	8	174	22	47	116	4	189	23	192	23	6	244	670
Total	78	47	93	24	242	94	504	62	28	688	101	169	451	12	733	82	788	78	27	975	2638
12:00 PM	22	13	23	5	63	22	123	17	13	175	35	59	126	5	225	15	183	20	6	224	687
12:15 PM	18	11	19	5	53	29	126	10	10	175	30	44	106	4	184	19	225	22	0	266	678
12:30 PM	16	15	16	4	51	29	101	19	10	159	31	39	141	11	222	11	223	21	12	267	699
12:45 PM	18	6	9	5	38	25	131	14	6	176	19	38	93	3	153	18	224	9	4	255	622
Total	74	45	67	19	205	105	481	60	39	685	115	180	466	23	784	63	855	72	22	1012	2686
Grand Total	152	92	160	43	447	199	985	122	67	1373	216	349	917	35	1517	145	1643	150	49	1987	5324
Apprch %	34	20.6	35.8	9.6		14.5	71.7	8.9	4.9		14.2	23	60.4	2.3		7.3	82.7	7.5	2.5		
Total %	2.9	1.7	3	0.8	8.4	3.7	18.5	2.3	1.3	25.8	4.1	6.6	17.2	0.7	28.5	2.7	30.9	2.8	0.9	37.3	

	Queen Emma Street Southbound					Vineyard Blvd. Westbound					Queen Emma Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	19	**15**	**25**	4	**63**	25	116	**25**	8	174	22	47	116	4	189	**23**	192	**23**	6	244	670
12:00 PM	**22**	13	23	**5**	63	22	123	17	**13**	**175**	**35**	**59**	126	**5**	**225**	15	183	20	6	224	687
12:15 PM	18	11	19	5	53	**29**	**126**	10	10	175	30	44	106	4	184	19	**225**	22	0	266	678
12:30 PM	16	15	16	4	51	29	101	19	10	159	31	39	**141**	**11**	222	**11**	223	21	**12**	**267**	**699**
Total Volume	75	54	83	18	230	105	466	71	41	683	118	189	489	24	820	68	823	86	24	1001	2734
% App. Total	32.6	23.5	36.1	7.8		15.4	68.2	10.4	6		14.4	23	59.6	2.9		6.8	82.2	8.6	2.4		
PHF	.852	.900	.830	.900	.913	.905	.925	.710	.788	.976	.843	.801	.867	.545	.911	.739	.914	.935	.500	.937	.978

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-5676
Counted:RT, JK
Weather:Clear

File Name : VinQue U-Turns MIDDAY
Site Code : 00000057
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound (Number in LT Column Indicate U-Turns)					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
11:00 AM	0	2	0	0	0	2	0	0	2
11:15 AM	0	1	0	0	0	1	0	0	1
11:30 AM	0	0	0	0	0	0	0	0	0
11:45 AM	0	1	0	0	0	1	0	0	1
Total	0	4	0	0	0	4	0	0	4
12:00 PM	0	4	0	0	0	4	0	0	4
12:15 PM	0	0	0	0	0	0	0	0	0
12:30 PM	0	1	0	0	0	1	0	0	1
12:45 PM	0	0	0	0	0	0	0	0	0
Total	0	5	0	0	0	5	0	0	5
Grand Total	0	9	0	0	0	9	0	0	9
Apprch %		100	0	0	0				
Total %	0	100	0	0	0	100	0	0	

	Southbound	Vineyard Blvd. Westbound (Number in LT Column Indicate U-Turns)					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 11:15 AM									
11:15 AM	0	1	0	0	0	1	0	0	1
11:30 AM	0	0	0	0	0	0	0	0	0
11:45 AM	0	1	0	0	0	1	0	0	1
12:00 PM	0	4	0	0	0	4	0	0	4
Total Volume	0	6	0	0	0	6	0	0	6
% App. Total		100	0	0	0				
PHF	.000	.375	.000	.000	.000	.375	.000	.000	.375

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-5677
Counted:RT, JK
Weather:Clear

File Name : VinQue PM
Site Code : 00000057
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Queen Emma Street Southbound					Vineyard Blvd. Westbound					Queen Emma Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	17	15	31	5	68	29	103	15	2	149	49	92	222	4	367	26	215	15	7	263	847
04:15 PM	18	21	35	8	82	19	114	19	8	160	40	72	189	10	311	22	229	14	6	271	824
04:30 PM	12	21	23	4	60	27	119	14	6	166	53	94	200	9	356	25	238	12	7	282	864
04:45 PM	19	21	34	4	78	12	116	14	11	153	31	89	199	8	327	31	229	11	9	280	838
Total	66	78	123	21	288	87	452	62	27	628	173	347	810	31	1361	104	911	52	29	1096	3373
05:00 PM	14	23	39	4	80	18	131	11	9	169	48	83	201	11	343	24	231	24	5	284	876
05:15 PM	13	20	26	5	64	26	126	16	18	186	25	92	185	9	311	39	259	21	8	327	888
05:30 PM	18	18	27	1	64	11	98	8	8	125	31	107	206	5	349	41	291	18	6	356	894
05:45 PM	11	14	25	0	50	15	113	15	7	150	23	72	183	7	285	27	255	11	3	296	781
Total	56	75	117	10	258	70	468	50	42	630	127	354	775	32	1288	131	1036	74	22	1263	3439
Grand Total	122	153	240	31	546	157	920	112	69	1258	300	701	1585	63	2649	235	1947	126	51	2359	6812
Apprch %	22.3	28	44	5.7		12.5	73.1	8.9	5.5		11.3	26.5	59.8	2.4		10	82.5	5.3	2.2		
Total %	1.8	2.2	3.5	0.5	8	2.3	13.5	1.6	1	18.5	4.4	10.3	23.3	0.9	38.9	3.4	28.6	1.8	0.7	34.6	

	Queen Emma Street Southbound					Vineyard Blvd. Westbound					Queen Emma Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	**19**	21	34	4	78	12	116	14	11	153	31	89	199	8	327	31	229	11	**9**	280	838
05:00 PM	14	**23**	**39**	4	**80**	18	**131**	**11**	9	169	**48**	83	201	**11**	343	24	231	**24**	5	284	876
05:15 PM	13	20	26	**5**	64	**26**	126	**16**	**18**	**186**	25	92	185	9	311	39	259	21	8	327	888
05:30 PM	18	18	27	**1**	64	11	98	8	8	125	31	**107**	**206**	5	**349**	**41**	**291**	18	6	**356**	**894**
Total Volume	64	82	126	14	286	67	471	49	46	633	135	371	791	33	1330	135	1010	74	28	1247	3496
% App. Total	22.4	28.7	44.1	4.9		10.6	74.4	7.7	7.3		10.2	27.9	59.5	2.5		10.8	81	5.9	2.2		
PHF	.842	.891	.808	.700	.894	.644	.899	.766	.639	.851	.703	.867	.960	.750	.953	.823	.868	.771	.778	.876	.978

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

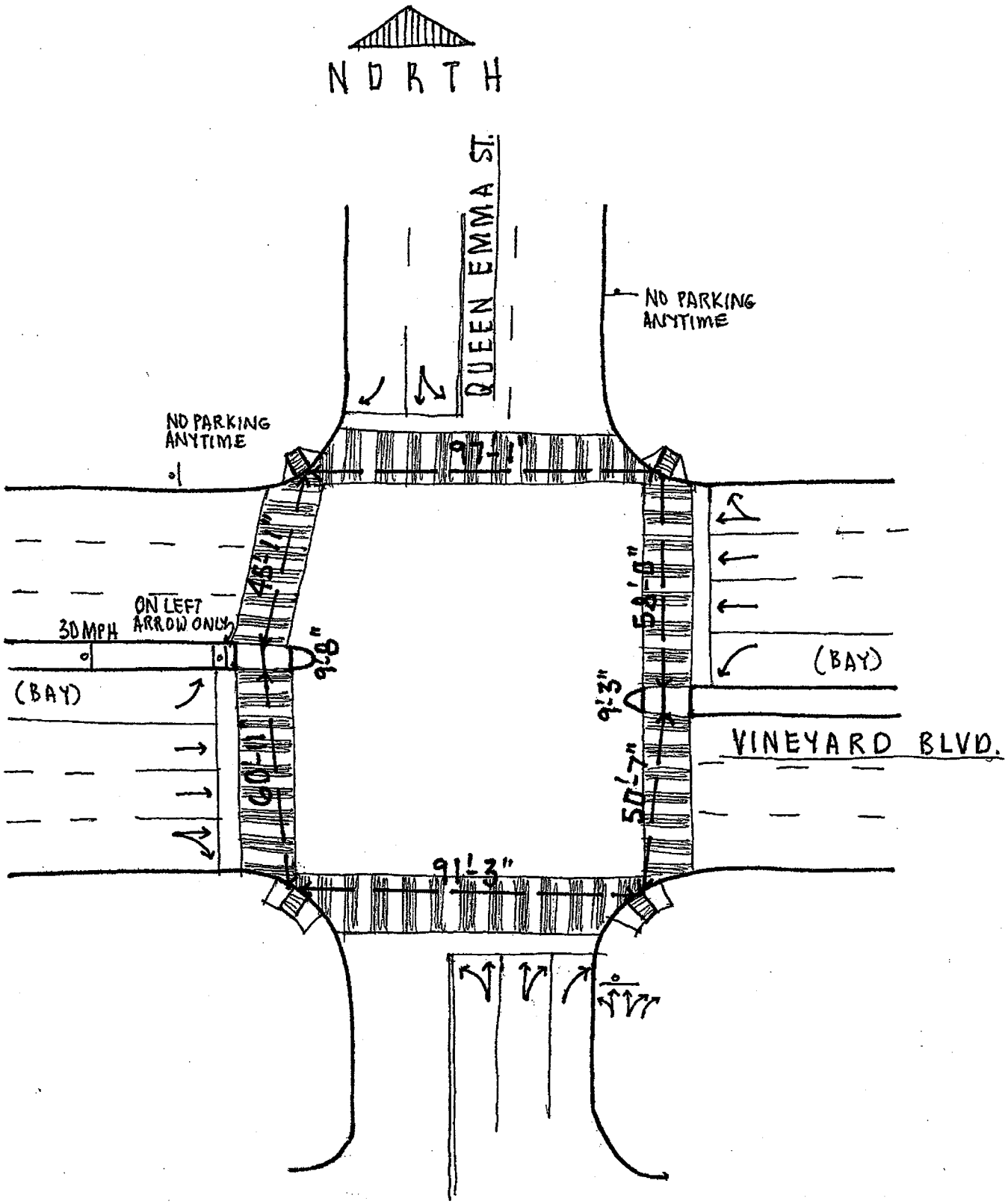
Counter:D4-5673, D4-5376
Counted:RT, JK
Weather:Clear

File Name : VinQue U-Turns PM
Site Code : 00000057
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Number In LT Column Indicate U-Turns Westbound					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
04:00 PM	0	2	0	0	0	2	0	0	2
04:15 PM	0	1	0	0	0	1	0	0	1
04:30 PM	0	3	0	0	0	3	0	0	3
04:45 PM	0	0	0	0	0	0	0	0	0
Total	0	6	0	0	0	6	0	0	6
05:00 PM	0	2	0	0	0	2	0	0	2
05:15 PM	0	1	0	0	0	1	0	0	1
05:30 PM	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0
Total	0	3	0	0	0	3	0	0	3
Grand Total	0	9	0	0	0	9	0	0	9
Apprch %		100	0	0	0				
Total %	0	100	0	0	0	100	0	0	

	Southbound	Vineyard Blvd. Number In LT Column Indicate U-Turns Westbound					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 04:00 PM									
04:00 PM	0	2	0	0	0	2	0	0	2
04:15 PM	0	1	0	0	0	1	0	0	1
04:30 PM	0	**3**	0	0	0	**3**	0	0	**3**
04:45 PM	0	0	0	0	0	0	0	0	0
Total Volume	0	6	0	0	0	6	0	0	6
% App. Total		100	0	0	0				
PHF	.000	.500	.000	.000	.000	.500	.000	.000	.500


NORTH
QUEEN EMMA ST.
NO PARKING ANYTIME
NO PARKING ANYTIME
97'-1"
45'-11"
ON LEFT ARROW ONLY
30 MPH
9'-8"
(BAY)
30'-11"
54'-8"
9'-3"
(BAY)
VINEYARD BLVD.
50'-7"
91'-3"

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-5673
Counted:JY, SD
Weather:Clear

File Name : VinPun AM
Site Code : 00000058
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Vineyard Blvd. Westbound					Punchbowl Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	233	28	0	261	121	178	137	28	464	4	132	9	15	160	17	200	65	0	282	1167
06:45 AM	0	246	16	6	268	163	211	149	15	538	5	131	9	9	154	28	175	85	7	295	1255
Total	0	479	44	6	529	284	389	286	43	1002	9	263	18	24	314	45	375	150	7	577	2422
07:00 AM	0	264	24	9	297	147	197	114	25	483	4	182	7	6	199	22	176	73	5	276	1255
07:15 AM	0	214	14	7	235	163	243	150	16	572	9	165	13	8	195	30	244	132	1	407	1409
07:30 AM	0	248	21	20	289	151	223	157	32	563	12	199	7	5	223	36	220	124	3	383	1458
07:45 AM	0	247	17	12	276	123	246	138	17	524	9	232	13	3	257	30	274	117	3	424	1481
Total	0	973	76	48	1097	584	909	559	90	2142	34	778	40	22	874	118	914	446	12	1490	5603
08:00 AM	0	211	10	10	231	131	250	143	11	535	14	188	11	3	216	36	289	119	2	446	1428
08:15 AM	0	267	11	6	284	126	226	142	7	501	10	209	9	2	230	33	207	87	0	327	1342
Grand Total	0	1930	141	70	2141	1125	1774	1130	151	4180	67	1438	78	51	1634	232	1785	802	21	2840	10795
Apprch %	0	90.1	6.6	3.3		26.9	42.4	27	3.6		4.1	88	4.8	3.1		8.2	62.9	28.2	0.7		
Total %	0	17.9	1.3	0.6	19.8	10.4	16.4	10.5	1.4	38.7	0.6	13.3	0.7	0.5	15.1	2.1	16.5	7.4	0.2	26.3	

	Punchbowl Street Southbound					Vineyard Blvd. Westbound					Punchbowl Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	214	14	7	235	**163**	243	150	16	**572**	9	165	**13**	**8**	195	30	244	**132**	1	407	1409
07:30 AM	0	**248**	**21**	**20**	**289**	151	223	**157**	**32**	563	12	199	7	5	223	**36**	220	124	**3**	383	1458
07:45 AM	0	247	17	12	276	123	246	138	17	524	9	**232**	13	3	**257**	30	274	117	3	424	**1481**
08:00 AM	0	211	10	10	231	131	**250**	143	11	535	**14**	188	11	3	216	36	**289**	119	2	**446**	1428
Total Volume	0	920	62	49	1031	568	962	588	76	2194	44	784	44	19	891	132	1027	492	9	1660	5776
% App. Total	0	89.2	6	4.8		25.9	43.8	26.8	3.5		4.9	88	4.9	2.1		8	61.9	29.6	0.5		
PHF	.000	.927	.738	.613	.892	.871	.962	.936	.594	.959	.786	.845	.846	.594	.867	.917	.888	.932	.750	.930	.975

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-5676
Counted:JY, SD
Weather:Clear

File Name : VinPun U-Turns AM
Site Code : 00000058
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound (Number In LT Column Indicate U-Turns)					Northbound	Vineyard Blvd. Eastbound (Number In LT Column Indicate U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	50	0	0	0	50	0	0	0	0	0	0	50
06:45 AM	0	75	0	0	0	75	0	1	0	0	0	1	76
Total	0	125	0	0	0	125	0	1	0	0	0	1	126
07:00 AM	0	55	0	0	0	55	0	0	0	0	0	0	55
07:15 AM	0	51	0	0	0	51	0	2	0	0	0	2	53
07:30 AM	0	51	0	0	0	51	0	1	0	0	0	1	52
07:45 AM	0	41	0	0	0	41	0	0	0	0	0	0	41
Total	0	198	0	0	0	198	0	3	0	0	0	3	201
08:00 AM	0	55	0	0	0	55	0	1	0	0	0	1	56
08:15 AM	0	58	0	0	0	58	0	0	0	0	0	0	58
Grand Total	0	436	0	0	0	436	0	5	0	0	0	5	441
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	98.9	0	0	0	98.9	0	1.1	0	0	0	1.1	

	Southbound	Vineyard Blvd. Westbound (Number In LT Column Indicate U-Turns)					Northbound	Vineyard Blvd. Eastbound (Number In LT Column Indicate U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 06:45 AM													
06:45 AM	0	**75**	0	0	0	**75**	0	1	0	0	0	1	**76**
07:00 AM	0	55	0	0	0	55	0	0	0	0	0	0	55
07:15 AM	0	51	0	0	0	51	0	2	0	0	0	2	53
07:30 AM	0	51	0	0	0	51	0	1	0	0	0	1	52
Total Volume	0	232	0	0	0	232	0	4	0	0	0	4	236
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.773	.000	.000	.000	.773	.000	.500	.000	.000	.000	.500	.776

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-5673
Counted:JY, ZW
Weather:Clear

File Name : VinPun MIDDAY
Site Code : 00000058
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Vineyard Blvd. Westbound					Punchbowl Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	198	11	5	214	89	124	5	0	218	19	189	17	2	227	48	221	57	0	326	985
11:15 AM	0	165	5	2	172	80	140	1	0	221	14	207	20	3	244	30	279	61	3	373	1010
11:30 AM	0	172	13	0	185	66	146	1	1	214	18	209	22	2	251	48	238	56	0	342	992
11:45 AM	0	189	6	1	196	64	141	3	1	209	18	230	23	3	274	41	230	81	0	352	1031
Total	0	724	35	8	767	299	551	10	2	862	69	835	82	10	996	167	968	255	3	1393	4018
12:00 PM	0	148	7	2	157	66	106	5	9	186	29	207	17	0	253	50	233	71	0	354	950
12:15 PM	0	173	4	0	177	57	143	1	1	202	14	199	16	0	229	47	262	61	1	371	979
12:30 PM	0	160	7	0	167	80	110	1	0	191	10	213	20	0	243	53	271	63	0	387	988
12:45 PM	0	180	11	0	191	61	131	5	1	198	31	232	18	4	285	52	239	71	0	362	1036
Total	0	661	29	2	692	264	490	12	11	777	84	851	71	4	1010	202	1005	266	1	1474	3953
Grand Total	0	1385	64	10	1459	563	1041	22	13	1639	153	1686	153	14	2006	369	1973	521	4	2867	7971
Apprch %	0	94.9	4.4	0.7		34.4	63.5	1.3	0.8		7.6	84	7.6	0.7		12.9	68.8	18.2	0.1		
Total %	0	17.4	0.8	0.1	18.3	7.1	13.1	0.3	0.2	20.6	1.9	21.2	1.9	0.2	25.2	4.6	24.8	6.5	0.1	36	

	Punchbowl Street Southbound					Vineyard Blvd. Westbound					Punchbowl Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	0	**198**	11	**5**	**214**	**89**	124	**5**	0	218	**19**	189	17	2	227	**48**	221	57	0	326	985
11:15 AM	0	165	5	2	172	80	140	1	0	**221**	14	207	20	**3**	244	30	**279**	61	**3**	**373**	1010
11:30 AM	0	172	**13**	0	185	66	**146**	1	1	214	18	209	22	2	251	48	238	56	0	342	992
11:45 AM	0	189	6	1	196	64	141	3	1	209	18	**230**	**23**	3	**274**	41	230	**81**	0	352	**1031**
Total Volume	0	724	35	8	767	299	551	10	2	862	69	835	82	10	996	167	968	255	3	1393	4018
% App. Total	0	94.4	4.6	1		34.7	63.9	1.2	0.2		6.9	83.8	8.2	1		12	69.5	18.3	0.2		
PHF	.000	.914	.673	.400	.896	.840	.943	.500	.500	.975	.908	.908	.891	.833	.909	.870	.867	.787	.250	.934	.974

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-5676
Counted:JY, ZW
Weather:Clear

File Name : VinPun U-Turns MIDDAY
Site Code : 00000058
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound					Northbound	Vineyard Blvd. Eastbound					
		Number In LT Column Indicates U-Turns						Number In LT Column Indicates U-Turns					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	42	0	0	0	42	0	2	0	0	0	2	44
11:15 AM	0	28	0	0	0	28	0	1	0	0	0	1	29
11:30 AM	0	29	0	0	0	29	0	6	0	0	0	6	35
11:45 AM	0	22	0	0	0	22	0	2	0	0	0	2	24
Total	0	121	0	0	0	121	0	11	0	0	0	11	132
12:00 PM	0	21	0	0	0	21	0	1	0	0	0	1	22
12:15 PM	0	19	0	0	0	19	0	3	0	0	0	3	22
12:30 PM	0	25	0	0	0	25	0	3	0	0	0	3	28
12:45 PM	0	32	0	0	0	32	0	1	0	0	0	1	33
Total	0	97	0	0	0	97	0	8	0	0	0	8	105
Grand Total	0	218	0	0	0	218	0	19	0	0	0	19	237
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	92	0	0	0	92	0	8	0	0	0	8	

	Southbound	Vineyard Blvd. Westbound					Northbound	Vineyard Blvd. Eastbound					
		Number In LT Column Indicates U-Turns						Number In LT Column Indicates U-Turns					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 11:00 AM													
11:00 AM	0	**42**	0	0	0	**42**	0	2	0	0	0	2	**44**
11:15 AM	0	28	0	0	0	28	0	1	0	0	0	1	29
11:30 AM	0	29	0	0	0	29	0	**6**	0	0	0	**6**	35
11:45 AM	0	22	0	0	0	22	0	2	0	0	0	2	24
Total Volume	0	121	0	0	0	121	0	11	0	0	0	11	132
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.720	.000	.000	.000	.720	.000	.458	.000	.000	.000	.458	.750

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-5673
Counted:JY, SD
Weather:Clear

File Name : VinPun PM
Site Code : 00000058
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Vineyard Blvd. Westbound					Punchbowl Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	147	5	13	165	62	113	4	31	210	9	268	16	6	299	59	322	57	6	444	1118
04:15 PM	0	123	6	5	134	51	126	2	26	205	17	260	13	5	295	54	351	80	5	490	1124
04:30 PM	0	127	6	11	144	56	110	4	15	185	24	322	17	3	366	58	313	78	3	452	1147
04:45 PM	0	112	5	3	120	54	114	1	17	186	24	274	8	2	308	63	367	53	2	485	1099
Total	0	509	22	32	563	223	463	11	89	786	74	1124	54	16	1268	234	1353	268	16	1871	4488
05:00 PM	0	114	9	6	129	45	116	4	25	190	31	294	20	3	348	58	333	43	3	437	1104
05:15 PM	0	93	6	4	103	42	129	0	22	193	16	284	11	1	312	61	390	49	1	501	1109
05:30 PM	0	118	5	5	128	27	94	5	18	144	13	276	13	1	303	63	380	68	1	512	1087
05:45 PM	0	98	5	2	105	54	118	5	18	195	14	259	8	0	281	60	358	69	0	487	1068
Total	0	423	25	17	465	168	457	14	83	722	74	1113	52	5	1244	242	1461	229	5	1937	4368
Grand Total	0	932	47	49	1028	391	920	25	172	1508	148	2237	106	21	2512	476	2814	497	21	3808	8856
Apprch %	0	90.7	4.6	4.8		25.9	61	1.7	11.4		5.9	89.1	4.2	0.8		12.5	73.9	13.1	0.6		
Total %	0	10.5	0.5	0.6	11.6	4.4	10.4	0.3	1.9	17	1.7	25.3	1.2	0.2	28.4	5.4	31.8	5.6	0.2	43	

	Punchbowl Street Southbound					Vineyard Blvd. Westbound					Punchbowl Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	**147**	5	**13**	**165**	**62**	113	**4**	**31**	**210**	9	268	16	**6**	299	59	322	57	**6**	444	1118
04:15 PM	0	123	**6**	5	134	51	**126**	2	26	205	17	260	13	5	295	54	351	**80**	5	**490**	1124
04:30 PM	0	127	6	11	144	56	110	4	15	185	**24**	**322**	**17**	3	**366**	58	313	78	3	452	**1147**
04:45 PM	0	112	5	3	120	54	114	1	17	186	24	274	8	2	308	**63**	**367**	53	2	485	1099
Total Volume	0	509	22	32	563	223	463	11	89	786	74	1124	54	16	1268	234	1353	268	16	1871	4488
% App. Total	0	90.4	3.9	5.7		28.4	58.9	1.4	11.3		5.8	88.6	4.3	1.3		12.5	72.3	14.3	0.9		
PHF	.000	.866	.917	.615	.853	.899	.919	.688	.718	.936	.771	.873	.794	.667	.866	.929	.922	.838	.667	.955	.978

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

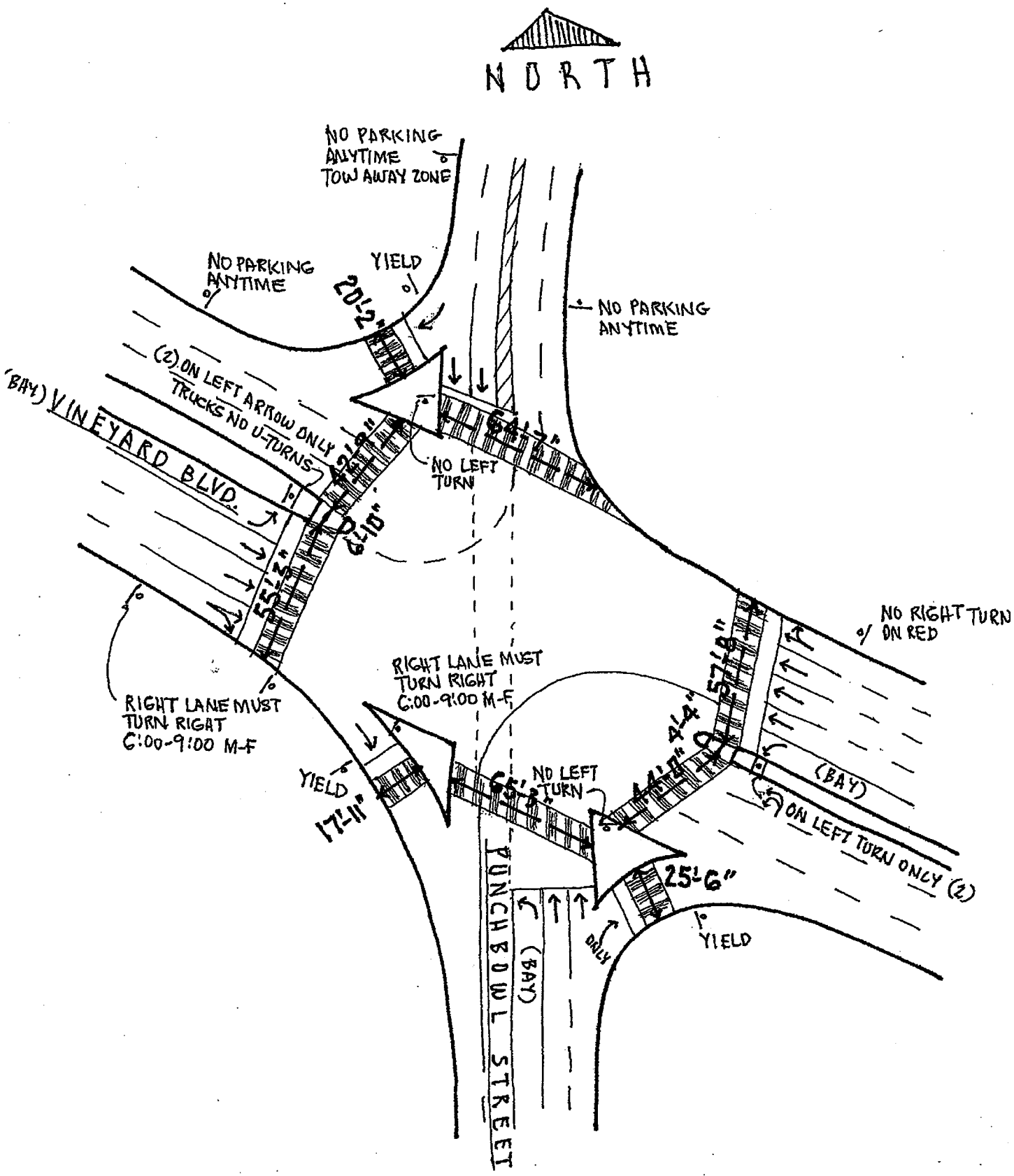
Counter:D4-5676, D4-5673
Counted:JY, SD
Weather:Clear

File Name : VinPun U-Turns PM
Site Code : 00000058
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound (Number In LT Column Indicates U-Turn)					Northbound	Vineyard Blvd. Eastbound (Number In LT Column Indicates U-Turn)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	19	0	0	0	19	0	2	0	0	0	2	21
04:15 PM	0	26	0	0	0	26	0	1	0	0	0	1	27
04:30 PM	0	14	0	0	0	14	0	0	0	0	0	0	14
04:45 PM	0	17	0	0	0	17	0	1	0	0	0	1	18
Total	0	76	0	0	0	76	0	4	0	0	0	4	80
05:00 PM	0	14	0	0	0	14	0	5	0	0	0	5	19
05:15 PM	0	12	0	0	0	12	0	2	0	0	0	2	14
05:30 PM	0	13	0	0	0	13	0	3	0	0	0	3	16
05:45 PM	0	12	0	0	0	12	0	1	0	0	0	1	13
Total	0	51	0	0	0	51	0	11	0	0	0	11	62
Grand Total	0	127	0	0	0	127	0	15	0	0	0	15	142
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	89.4	0	0	0	89.4	0	10.6	0	0	0	10.6	

	Southbound	Vineyard Blvd. Westbound (Number In LT Column Indicates U-Turn)					Northbound	Vineyard Blvd. Eastbound (Number In LT Column Indicates U-Turn)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	0	19	0	0	0	19	0	**2**	0	0	0	**2**	21
04:15 PM	0	**26**	0	0	0	**26**	0	1	0	0	0	1	**27**
04:30 PM	0	14	0	0	0	14	0	0	0	0	0	0	14
04:45 PM	0	17	0	0	0	17	0	1	0	0	0	1	18
Total Volume	0	76	0	0	0	76	0	4	0	0	0	4	80
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.731	.000	.000	.000	.731	.000	.500	.000	.000	.000	.500	.741


NORTH
NO PARKING ANYTIME TOW AWAY ZONE
NO PARKING ANYTIME
YIELD
20'-2"
NO PARKING ANYTIME
(2) ON LEFT ARROW ONLY TRUCKS NO U-TURNS
(BAY) VINEYARD BLVD.
27'-8"
NO LEFT TURN
64'-7"
6'-10"
55'-2"
NO RIGHT TURN ON RED
57'-8"
RIGHT LANE MUST TURN RIGHT 6:00-9:00 M-F
RIGHT LANE MUST TURN RIGHT 6:00-9:00 M-F
4'-4"
4'-7"
YIELD
17'-11"
65'-8"
NO LEFT TURN
(BAY)
ON LEFT TURN ONLY (2)
25'-6"
YIELD
ONLY
(BAY)
PUNCHBOWL STREET

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-5674
Counted:JY, DY
Weather:Clear

File Name : Pali H-1 AM
Site Code : 00000059
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Southbound					Westbound	Pali Highway Northbound					H-1 Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	211	0	0	211	0	0	42	0	0	42	92	0	153	2	247	500
06:45 AM	0	258	0	0	258	0	0	53	0	0	53	84	0	154	1	239	550
Total	0	469	0	0	469	0	0	95	0	0	95	176	0	307	3	486	1050
07:00 AM	0	274	0	0	274	0	0	84	0	0	84	98	0	156	0	254	612
07:15 AM	0	251	0	0	251	0	0	86	0	0	86	123	0	180	2	305	642
07:30 AM	0	250	0	0	250	0	0	77	0	0	77	88	0	207	6	301	628
07:45 AM	0	249	2	0	251	0	0	100	0	0	100	123	0	191	1	315	666
Total	0	1024	2	0	1026	0	0	347	0	0	347	432	0	734	9	1175	2548
08:00 AM	0	229	0	0	229	0	0	80	0	0	80	96	0	185	3	284	593
08:15 AM	0	256	0	0	256	0	0	83	0	0	83	83	0	175	2	260	599
Grand Total	0	1978	2	0	1980	0	0	605	0	0	605	787	0	1401	17	2205	4790
Apprch %	0	99.9	0.1	0			0	100	0	0		35.7	0	63.5	0.8		
Total %	0	41.3	0	0	41.3	0	0	12.6	0	0	12.6	16.4	0	29.2	0.4	46	

	Pali Highway Southbound					Westbound	Pali Highway Northbound					H-1 Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	**274**	0	0	**274**	0	0	84	0	0	84	98	0	156	0	254	612
07:15 AM	0	251	0	0	251	0	0	86	0	0	86	**123**	0	180	2	305	642
07:30 AM	0	250	0	0	250	0	0	77	0	0	77	88	0	**207**	**6**	301	628
07:45 AM	0	249	**2**	0	251	0	0	**100**	0	0	**100**	123	0	191	1	**315**	**666**
Total Volume	0	1024	2	0	1026	0	0	347	0	0	347	432	0	734	9	1175	2548
% App. Total	0	99.8	0.2	0			0	100	0	0		36.8	0	62.5	0.8		
PHF	.000	.934	.250	.000	.936	.000	.000	.868	.000	.000	.868	.878	.000	.886	.375	.933	.956

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-5674
Counted:JY, DY
Weather:Clear

File Name : Pali H-1 MIDDAY
Site Code : 00000059
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Southbound					Westbound	Pali Highway Northbound					H-1 Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	113	0	0	113	0	0	89	0	0	89	115	0	115	4	234	436
11:15 AM	0	92	0	0	92	0	0	118	0	0	118	101	1	126	2	230	440
11:30 AM	0	110	0	0	110	0	0	107	0	0	107	126	0	131	4	261	478
11:45 AM	0	102	0	0	102	0	0	128	0	0	128	118	0	107	1	226	456
Total	0	417	0	0	417	0	0	442	0	0	442	460	1	479	11	951	1810
12:00 PM	0	87	0	0	87	0	0	126	0	0	126	100	4	128	0	232	445
12:15 PM	0	132	0	0	132	0	0	97	0	0	97	103	0	119	1	223	452
12:30 PM	0	112	1	0	113	0	0	112	0	0	112	100	0	123	1	224	449
12:45 PM	0	114	0	0	114	0	0	114	0	0	114	101	8	121	2	232	460
Total	0	445	1	0	446	0	0	449	0	0	449	404	12	491	4	911	1806
Grand Total	0	862	1	0	863	0	0	891	0	0	891	864	13	970	15	1862	3616
Apprch %	0	99.9	0.1	0			0	100	0	0		46.4	0.7	52.1	0.8		
Total %	0	23.8	0	0	23.9	0	0	24.6	0	0	24.6	23.9	0.4	26.8	0.4	51.5	

	Pali Highway Southbound					Westbound	Pali Highway Northbound					H-1 Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	0	110	0	0	110	0	0	107	0	0	107	**126**	0	**131**	**4**	**261**	**478**
11:45 AM	0	102	0	0	102	0	0	**128**	0	0	**128**	118	0	107	1	226	456
12:00 PM	0	87	0	0	87	0	0	126	0	0	126	100	4	128	0	232	445
12:15 PM	0	**132**	0	0	**132**	0	0	97	0	0	97	103	0	119	1	223	452
Total Volume	0	431	0	0	431	0	0	458	0	0	458	447	4	485	6	942	1831
% App. Total	0	100	0	0			0	100	0	0		47.5	0.4	51.5	0.6		
PHF	.000	.816	.000	.000	.816	.000	.000	.895	.000	.000	.895	.887	.250	.926	.375	.902	.958

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

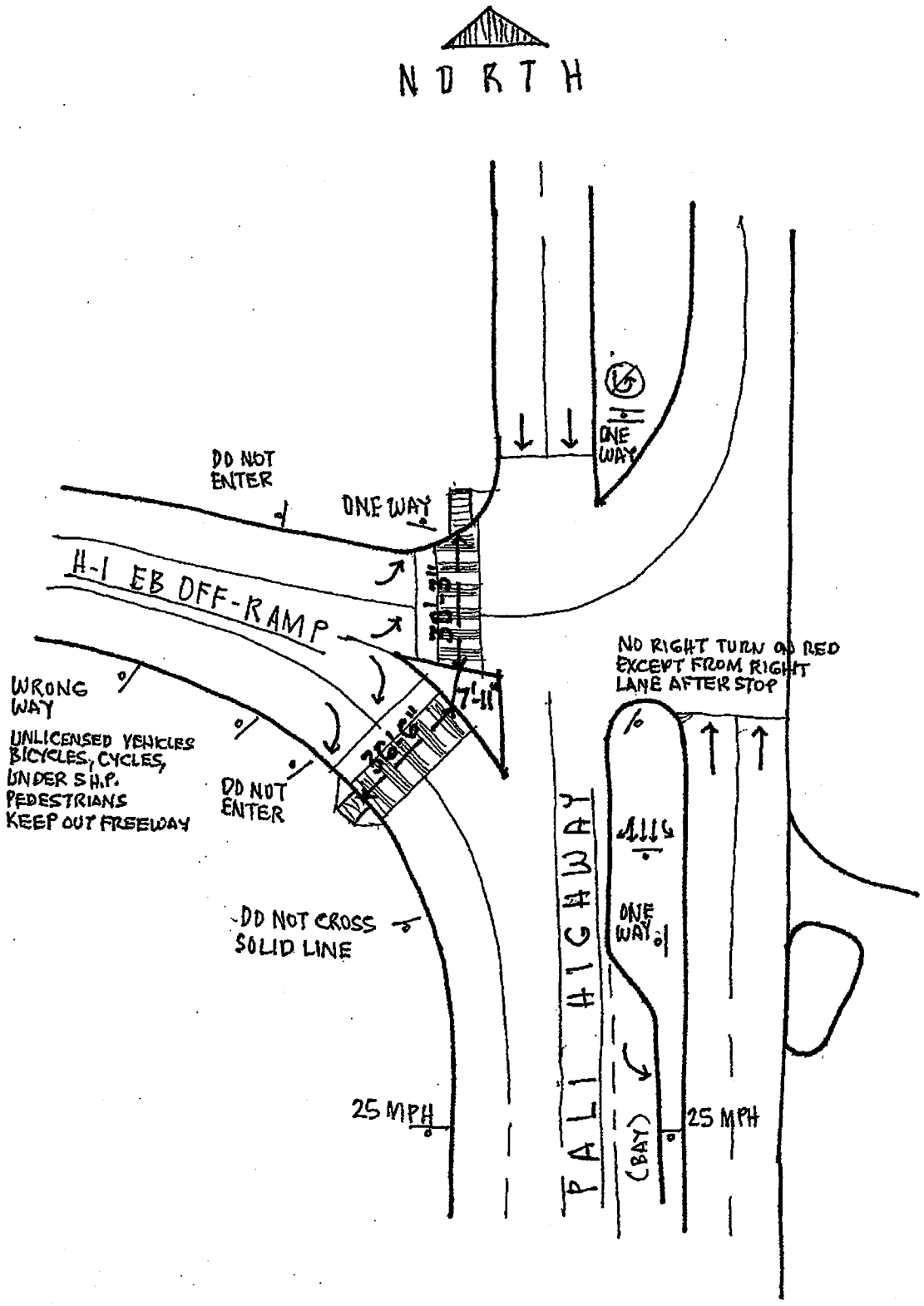
Counter:D4-5676, D4-5674
Counted:DY, JY
Weather:Clear

File Name : Pali H-1 PM
Site Code : 00000059
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Southbound					Westbound	Pali Highway Northbound					H-1 Off-RAMP Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	102	0	0	102	0	0	245	0	0	245	114	0	84	1	199	546
04:15 PM	0	112	0	0	112	0	0	278	0	0	278	150	0	69	1	220	610
04:30 PM	0	143	0	0	143	0	0	296	0	0	296	145	0	78	1	224	663
04:45 PM	0	143	0	0	143	0	0	296	0	0	296	103	0	69	0	172	611
Total	0	500	0	0	500	0	0	1115	0	0	1115	512	0	300	3	815	2430
05:00 PM	0	125	0	0	125	0	0	330	0	0	330	116	0	66	0	182	637
05:15 PM	0	103	0	0	103	0	0	299	0	0	299	116	0	72	0	188	590
05:30 PM	0	97	0	0	97	0	0	278	0	0	278	129	0	69	3	201	576
05:45 PM	0	86	0	0	86	0	0	242	0	0	242	122	0	68	2	192	520
Total	0	411	0	0	411	0	0	1149	0	0	1149	483	0	275	5	763	2323
Grand Total	0	911	0	0	911	0	0	2264	0	0	2264	995	0	575	8	1578	4753
Apprch %	0	100	0	0			0	100	0	0		63.1	0	36.4	0.5		
Total %	0	19.2	0	0	19.2	0	0	47.6	0	0	47.6	20.9	0	12.1	0.2	33.2	

	Pali Highway Southbound					Westbound	Pali Highway Northbound					H-1 Off-RAMP Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	0	112	0	0	112	0	0	278	0	0	278	**150**	0	69	**1**	220	610
04:30 PM	0	**143**	0	0	**143**	0	0	296	0	0	296	145	0	**78**	1	**224**	**663**
04:45 PM	0	143	0	0	143	0	0	296	0	0	296	103	0	69	0	172	611
05:00 PM	0	125	0	0	125	0	0	**330**	0	0	**330**	116	0	66	0	182	637
Total Volume	0	523	0	0	523	0	0	1200	0	0	1200	514	0	282	2	798	2521
% App. Total	0	100	0	0			0	100	0	0		64.4	0	35.3	0.3		
PHF	.000	.914	.000	.000	.914	.000	.000	.909	.000	.000	.909	.857	.000	.904	.500	.891	.951


NORTH
DO NOT ENTER
ONE WAY
H-1 EB OFF-RAMP
WRONG WAY
UNLICENSED VEHICLES BICYCLES, CYCLES, UNDER 5 H.P. PEDESTRIANS KEEP OUT FREEWAY
DO NOT ENTER
7'-11"
DO NOT CROSS SOLID LINE
25 MPH
PALI HIGHWAY
(BAY)
ONE WAY
NO RIGHT TURN ON RED EXCEPT FROM RIGHT LANE AFTER STOP
25 MPH

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, d4-5672
Counted:JK, RL
Weather:Clear

File Name : PalSch AM
Site Code : 00000060
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Southbound					School Street Westbound					Pali Highway Northbound					School Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	188	43	6	237	0	83	20	19	122	0	118	32	0	150	0	12	2	2	16	525
06:45 AM	0	269	47	8	324	0	125	18	5	148	0	106	41	1	148	0	28	0	8	36	656
Total	0	457	90	14	561	0	208	38	24	270	0	224	73	1	298	0	40	2	10	52	1181
07:00 AM	0	274	59	4	337	0	139	27	4	170	0	130	31	1	162	0	22	1	2	25	694
07:15 AM	0	248	48	7	303	0	142	31	10	183	0	162	41	2	205	0	30	1	4	35	726
07:30 AM	0	262	33	13	308	0	158	39	9	206	0	145	41	1	187	0	44	3	5	52	753
07:45 AM	0	263	41	6	310	0	174	30	8	212	0	164	39	1	204	0	38	4	4	46	772
Total	0	1047	181	30	1258	0	613	127	31	771	0	601	152	5	758	0	134	9	15	158	2945
08:00 AM	0	210	39	3	252	0	150	44	7	201	0	143	48	1	192	0	27	2	2	31	676
08:15 AM	0	260	43	2	305	0	137	23	3	163	0	121	27	1	149	0	29	1	4	34	651
Grand Total	0	1974	353	49	2376	0	1108	232	65	1405	0	1089	300	8	1397	0	230	14	31	275	5453
Apprch %	0	83.1	14.9	2.1		0	78.9	16.5	4.6		0	78	21.5	0.6		0	83.6	5.1	11.3		
Total %	0	36.2	6.5	0.9	43.6	0	20.3	4.3	1.2	25.8	0	20	5.5	0.1	25.6	0	4.2	0.3	0.6	5	

	Pali Highway Southbound					School Street Westbound					Pali Highway Northbound					School Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	**274**	**59**	4	**337**	0	139	27	4	170	0	130	31	1	162	0	22	1	2	25	694
07:15 AM	0	248	48	7	303	0	142	31	**10**	183	0	162	**41**	**2**	**205**	0	30	1	4	35	726
07:30 AM	0	262	33	**13**	308	0	158	**39**	9	206	0	145	41	1	187	0	**44**	3	**5**	**52**	753
07:45 AM	0	263	41	6	310	0	**174**	30	8	**212**	0	**164**	39	1	204	0	38	**4**	4	46	**772**
Total Volume	0	1047	181	30	1258	0	613	127	31	771	0	601	152	5	758	0	134	9	15	158	2945
% App. Total	0	83.2	14.4	2.4		0	79.5	16.5	4		0	79.3	20.1	0.7		0	84.8	5.7	9.5		
PHF	.000	.955	.767	.577	.933	.000	.881	.814	.775	.909	.000	.916	.927	.625	.924	.000	.761	.563	.750	.760	.954

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5672
Counted:JT, RL
Weather:Clear

File Name : PalSch MIDDAY
Site Code : 00000060
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Southbound					School Street Westbound					Pali Highway Northbound					School Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	112	32	2	146	2	77	29	4	112	0	162	36	2	200	0	23	5	1	29	487
11:15 AM	0	96	38	0	134	1	90	23	1	115	0	174	40	0	214	0	21	2	3	26	489
11:30 AM	0	77	27	0	104	2	125	19	1	147	0	204	32	1	237	0	4	0	1	5	493
11:45 AM	0	97	33	0	130	3	96	27	5	131	0	218	37	0	255	0	24	1	1	26	542
Total	0	382	130	2	514	8	388	98	11	505	0	758	145	3	906	0	72	8	6	86	2011
12:00 PM	0	89	42	0	131	4	101	34	4	143	0	195	25	1	221	0	17	2	2	21	516
12:15 PM	0	121	68	1	190	3	110	38	2	153	0	171	34	0	205	0	26	1	1	28	576
12:30 PM	0	102	37	0	139	3	91	28	3	125	0	169	39	0	208	0	24	4	1	29	501
12:45 PM	0	121	33	4	158	3	102	33	3	141	0	186	30	0	216	0	19	2	0	21	536
Total	0	433	180	5	618	13	404	133	12	562	0	721	128	1	850	0	86	9	4	99	2129
Grand Total	0	815	310	7	1132	21	792	231	23	1067	0	1479	273	4	1756	0	158	17	10	185	4140
Apprch %	0	72	27.4	0.6		2	74.2	21.6	2.2		0	84.2	15.5	0.2		0	85.4	9.2	5.4		
Total %	0	19.7	7.5	0.2	27.3	0.5	19.1	5.6	0.6	25.8	0	35.7	6.6	0.1	42.4	0	3.8	0.4	0.2	4.5	

	Pali Highway Southbound					School Street Westbound					Pali Highway Northbound					School Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	97	33	0	130	3	96	27	5	131	0	218	37	0	255	0	24	1	1	26	542
12:00 PM	0	89	42	0	131	4	101	34	4	143	0	195	25	1	221	0	17	2	2	21	516
12:15 PM	0	121	68	1	190	3	110	38	2	153	0	171	34	0	205	0	26	1	1	28	576
12:30 PM	0	102	37	0	139	3	91	28	3	125	0	169	39	0	208	0	24	4	1	29	501
Total Volume	0	409	180	1	590	13	398	127	14	552	0	753	135	1	889	0	91	8	5	104	2135
% App. Total	0	69.3	30.5	0.2		2.4	72.1	23	2.5		0	84.7	15.2	0.1		0	87.5	7.7	4.8		
PHF	.000	.845	.662	.250	.776	.813	.905	.836	.700	.902	.000	.864	.865	.250	.872	.000	.875	.500	.625	.897	.927

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

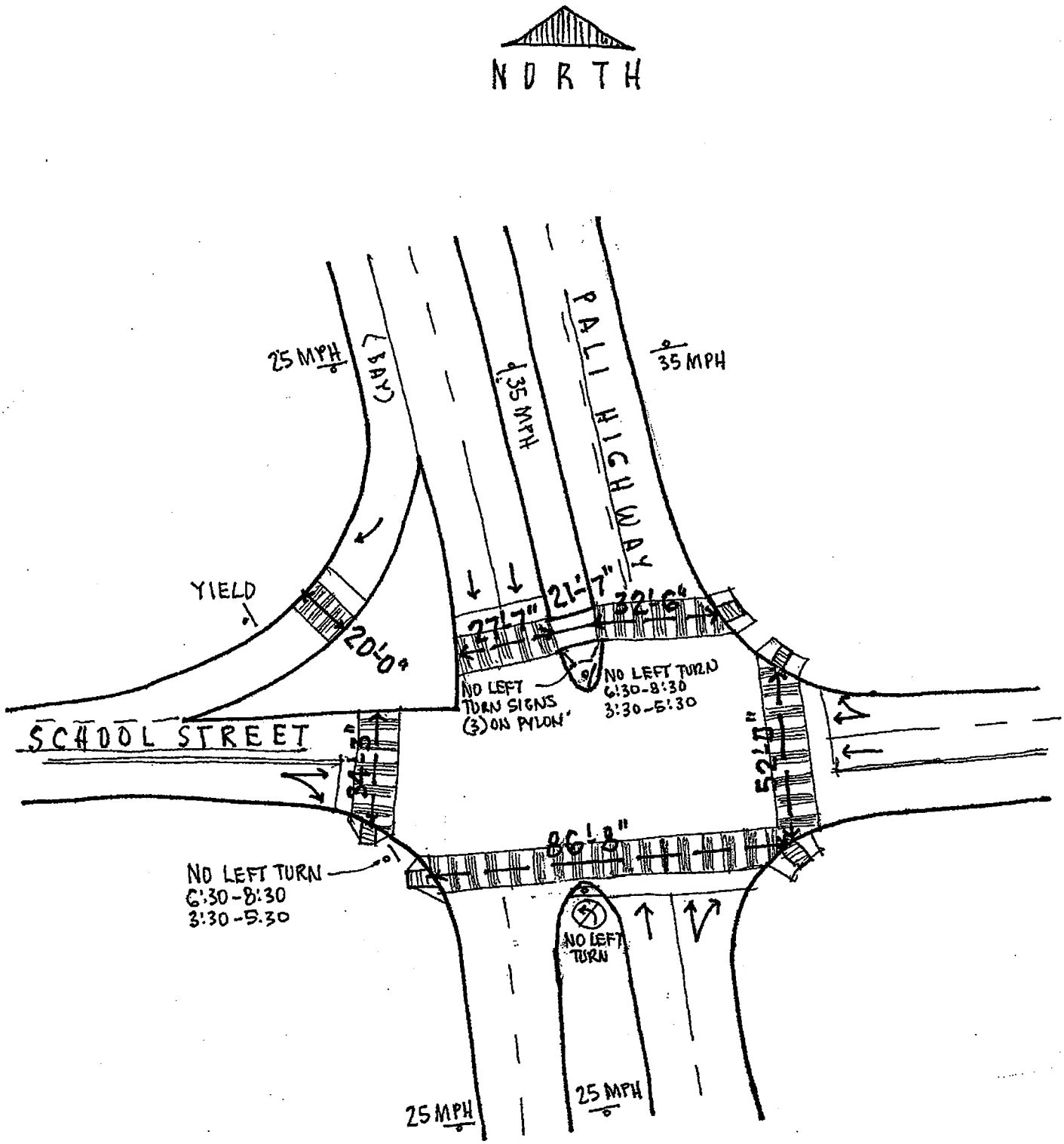
Counter:D4-5677, D4-5672
Counted:RL, TO
Weather:Clear

File Name : PalSch PM
Site Code : 00000060
Start Date : 6/17/2008
Page No : 1

Groups Printed- Unshifted

	Pali Highway Southbound					School Street Westbound					Pali Highway Northbound					School Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	99	28	3	130	0	210	97	4	311	0	589	72	5	666	0	29	2	1	32	1139
04:15 PM	0	104	31	1	136	0	123	68	2	193	0	342	68	3	413	0	42	3	6	51	793
04:30 PM	0	134	23	2	159	0	113	51	3	167	0	356	63	1	420	0	36	2	4	42	788
04:45 PM	0	133	28	5	166	1	135	73	6	215	0	371	59	1	431	0	52	7	5	64	876
Total	0	470	110	11	591	1	581	289	15	886	0	1658	262	10	1930	0	159	14	16	189	3596
05:00 PM	0	132	24	9	165	1	128	74	5	208	0	358	69	2	429	0	43	1	3	47	849
05:15 PM	0	81	30	6	117	0	105	55	7	167	0	334	81	8	423	0	46	1	4	51	758
05:30 PM	0	100	30	4	134	1	107	63	7	178	0	337	51	2	390	0	48	5	2	55	757
05:45 PM	0	76	31	7	114	3	81	40	6	130	0	289	71	1	361	0	40	2	3	45	650
Total	0	389	115	26	530	5	421	232	25	683	0	1318	272	13	1603	0	177	9	12	198	3014
Grand Total	0	859	225	37	1121	6	1002	521	40	1569	0	2976	534	23	3533	0	336	23	28	387	6610
Apprch %	0	76.6	20.1	3.3		0.4	63.9	33.2	2.5		0	84.2	15.1	0.7		0	86.8	5.9	7.2		
Total %	0	13	3.4	0.6	17	0.1	15.2	7.9	0.6	23.7	0	45	8.1	0.3	53.4	0	5.1	0.3	0.4	5.9	

	Pali Highway Southbound					School Street Westbound					Pali Highway Northbound					School Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	99	28	3	130	0	**210**	**97**	4	**311**	0	**589**	**72**	**5**	**666**	0	29	2	1	32	**1139**
04:15 PM	0	104	**31**	1	136	0	123	68	2	193	0	342	68	3	413	0	42	3	**6**	51	793
04:30 PM	0	**134**	23	2	159	0	113	51	3	167	0	356	63	1	420	0	36	2	4	42	788
04:45 PM	0	133	28	**5**	**166**	**1**	135	73	**6**	215	0	371	59	1	431	0	**52**	**7**	5	**64**	876
Total Volume	0	470	110	11	591	1	581	289	15	886	0	1658	262	10	1930	0	159	14	16	189	3596
% App. Total	0	79.5	18.6	1.9		0.1	65.6	32.6	1.7		0	85.9	13.6	0.5		0	84.1	7.4	8.5		
PHF	.000	.877	.887	.550	.890	.250	.692	.745	.625	.712	.000	.704	.910	.500	.724	.000	.764	.500	.667	.738	.789


NORTH
25 MPH
(BAY)
35 MPH
35 MPH
PALI HIGHWAY
YIELD
20'-0"
27'-7"
21'-7"
32'-6"
NO LEFT TURN SIGNS (3) ON PYLON
NO LEFT TURN 6:30-8:30 3:30-5:30
SCHOOL STREET
34'-3"
52'-3"
86'-8"
NO LEFT TURN 6:30-8:30 3:30-5:30
NO LEFT TURN
25 MPH
25 MPH

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-3888
Counted:SW, JM
Weather:Clear

File Name : HalPun AM
Site Code : 00000065
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Halekauwila Street Westbound					Punchbowl Street Northbound					Halekauwila Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	39	147	0	29	215	8	0	0	17	25	0	0	0	7	7	0	69	31	10	110	357
06:45 AM	45	166	0	48	259	13	1	0	31	45	0	0	0	10	10	0	71	44	25	140	454
Total	84	313	0	77	474	21	1	0	48	70	0	0	0	17	17	0	140	75	35	250	811
07:00 AM	54	200	0	58	312	20	4	0	53	77	0	0	0	25	25	0	82	53	19	154	568
07:15 AM	80	189	0	74	343	9	0	0	41	50	0	0	0	18	18	0	75	52	32	159	570
07:30 AM	61	205	0	68	334	25	0	0	65	90	0	0	0	20	20	0	75	55	26	156	600
07:45 AM	75	209	0	80	364	17	0	0	38	55	0	0	0	14	14	0	84	58	21	163	596
Total	270	803	0	280	1353	71	4	0	197	272	0	0	0	77	77	0	316	218	98	632	2334
08:00 AM	59	226	0	54	339	27	1	0	37	65	0	0	0	14	14	0	61	36	5	102	520
08:15 AM	64	212	0	33	309	29	2	0	33	64	0	0	0	37	37	0	69	49	16	134	544
Grand Total	477	1554	0	444	2475	148	8	0	315	471	0	0	0	145	145	0	586	378	154	1118	4209
Apprch %	19.3	62.8	0	17.9		31.4	1.7	0	66.9		0	0	0	100		0	52.4	33.8	13.8		
Total %	11.3	36.9	0	10.5	58.8	3.5	0.2	0	7.5	11.2	0	0	0	3.4	3.4	0	13.9	9	3.7	26.6	

	Punchbowl Street Southbound					Halekauwila Street Westbound					Punchbowl Street Northbound					Halekauwila Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	54	200	0	58	312	20	**4**	0	53	77	0	0	0	**25**	**25**	0	82	53	19	154	568
07:15 AM	**80**	189	0	74	343	9	**0**	0	41	50	0	0	0	18	18	0	75	52	**32**	159	570
07:30 AM	61	205	0	68	334	**25**	0	0	**65**	**90**	0	0	0	20	20	0	75	55	26	156	**600**
07:45 AM	75	**209**	0	**80**	**364**	17	0	0	38	55	0	0	0	14	14	0	**84**	**58**	21	**163**	596
Total Volume	270	803	0	280	1353	71	4	0	197	272	0	0	0	77	77	0	316	218	98	632	2334
% App. Total	20	59.3	0	20.7		26.1	1.5	0	72.4		0	0	0	100		0	50	34.5	15.5		
PHF	.844	.961	.000	.875	.929	.710	.250	.000	.758	.756	.000	.000	.000	.770	.770	.000	.940	.940	.766	.969	.973

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-3888
Counted:SW, JM
Weather:Clear

File Name : HalPun MIDDAY
Site Code : 00000065
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Halekauwila Street Westbound					Punchbowl Street Northbound					Halekauwila Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	53	134	0	61	248	22	0	0	40	62	0	0	0	37	37	0	35	18	34	87	434
11:15 AM	55	164	0	60	279	25	0	0	34	59	0	0	0	18	18	0	28	24	16	68	424
11:30 AM	50	153	0	37	240	18	0	0	35	53	0	0	0	37	37	0	48	30	29	107	437
11:45 AM	48	160	0	62	270	13	0	0	58	71	0	0	0	61	61	0	59	21	24	104	506
Total	206	611	0	220	1037	78	0	0	167	245	0	0	0	153	153	0	170	93	103	366	1801
12:00 PM	49	162	0	64	275	34	0	0	73	107	0	0	0	61	61	0	26	36	25	87	530
12:15 PM	47	150	0	79	276	23	0	0	48	71	0	0	0	13	13	0	40	28	21	89	449
12:30 PM	38	146	0	55	239	34	0	0	48	82	0	0	0	33	33	0	46	17	16	79	433
12:45 PM	61	158	0	53	272	30	0	0	38	68	0	0	0	28	28	0	44	17	11	72	440
Total	195	616	0	251	1062	121	0	0	207	328	0	0	0	135	135	0	156	98	73	327	1852
Grand Total	401	1227	0	471	2099	199	0	0	374	573	0	0	0	288	288	0	326	191	176	693	3653
Apprch %	19.1	58.5	0	22.4		34.7	0	0	65.3		0	0	0	100		0	47	27.6	25.4		
Total %	11	33.6	0	12.9	57.5	5.4	0	0	10.2	15.7	0	0	0	7.9	7.9	0	8.9	5.2	4.8	19	

	Punchbowl Street Southbound					Halekauwila Street Westbound					Punchbowl Street Northbound					Halekauwila Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	**50**	153	0	37	240	18	0	0	35	53	0	0	0	37	37	0	48	30	**29**	**107**	437
11:45 AM	48	160	0	62	270	13	0	0	58	71	0	0	0	**61**	**61**	0	**59**	21	24	104	506
12:00 PM	49	**162**	0	64	275	**34**	0	0	**73**	**107**	0	0	0	61	61	0	26	**36**	25	87	**530**
12:15 PM	47	150	0	**79**	**276**	23	0	0	48	71	0	0	0	13	13	0	40	28	21	89	449
Total Volume	194	625	0	242	1061	88	0	0	214	302	0	0	0	172	172	0	173	115	99	387	1922
% App. Total	18.3	58.9	0	22.8		29.1	0	0	70.9		0	0	0	100		0	44.7	29.7	25.6		
PHF	.970	.965	.000	.766	.961	.647	.000	.000	.733	.706	.000	.000	.000	.705	.705	.000	.733	.799	.853	.904	.907

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

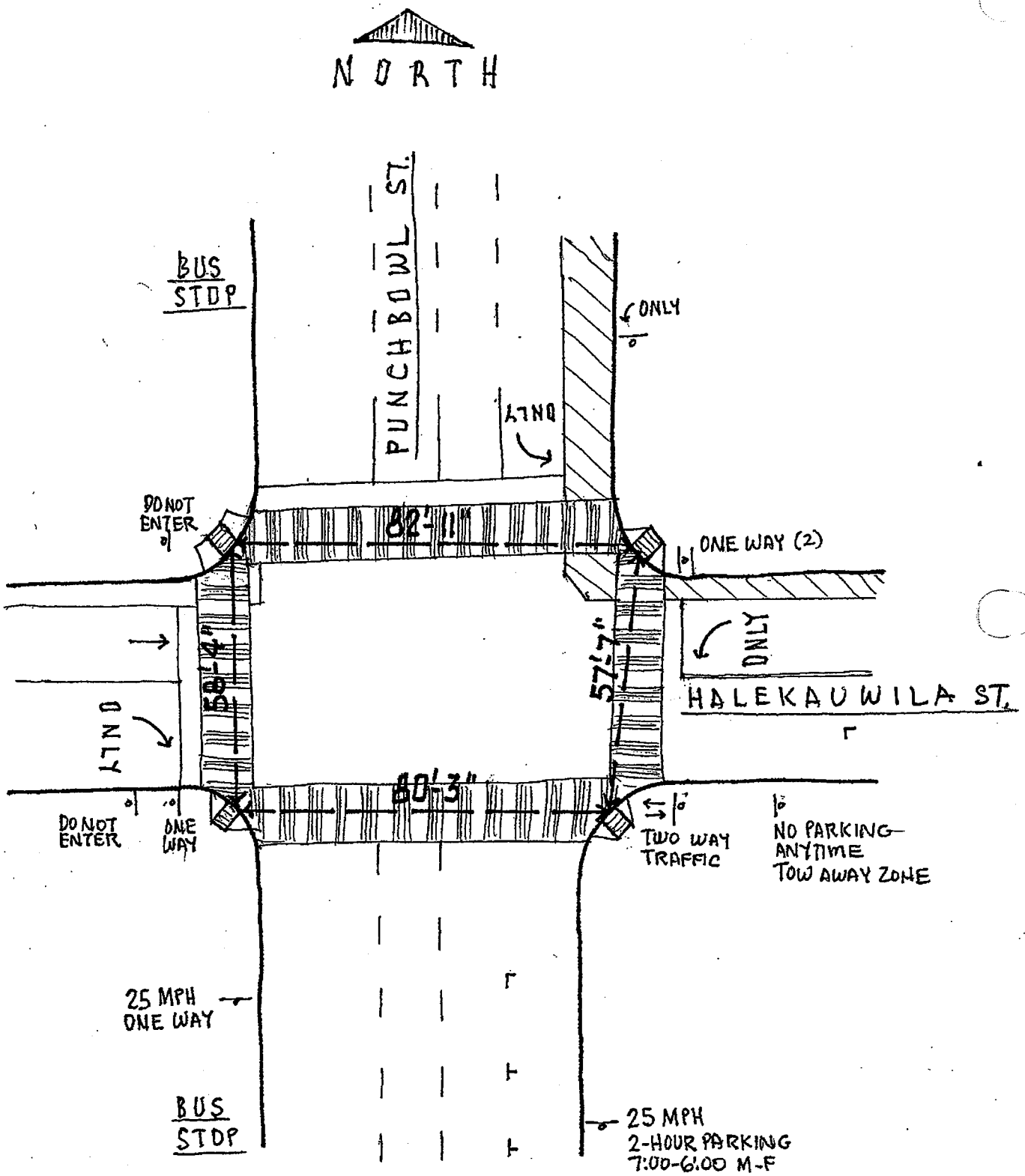
Counter:
Counted:
Weather:

File Name : HalPun PM
Site Code : 00000065
Start Date : 6/18/2008
Page No : 1

Groups Printed- Unshifted

	Punchbowl Street Southbound					Halekauwila Street Westbound					Punchbowl Street Northbound					Halekauwila Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	44	157	0	48	249	32	0	0	33	65	0	0	0	20	20	0	75	33	7	115	449
04:15 PM	34	142	0	50	226	30	0	0	28	58	0	0	0	76	76	0	88	48	33	169	529
04:30 PM	48	158	0	51	257	28	0	0	64	92	0	0	0	117	117	0	85	54	24	163	629
04:45 PM	35	169	0	35	239	45	0	0	30	75	0	0	0	36	36	0	77	41	15	133	483
Total	161	626	0	184	971	135	0	0	155	290	0	0	0	249	249	0	325	176	79	580	2090
05:00 PM	27	131	0	29	187	26	0	0	30	56	0	0	0	16	16	0	90	48	2	140	399
05:15 PM	19	121	0	20	160	22	0	0	3	25	0	0	0	12	12	0	89	45	3	137	334
05:30 PM	16	113	0	20	149	22	0	0	13	35	0	0	0	2	2	0	91	27	5	123	309
05:45 PM	25	97	0	5	127	19	0	0	10	29	0	0	0	6	6	0	62	22	0	84	246
Total	87	462	0	74	623	89	0	0	56	145	0	0	0	36	36	0	332	142	10	484	1288
Grand Total	248	1088	0	258	1594	224	0	0	211	435	0	0	0	285	285	0	657	318	89	1064	3378
Apprch %	15.6	68.3	0	16.2		51.5	0	0	48.5		0	0	0	100		0	61.7	29.9	8.4		
Total %	7.3	32.2	0	7.6	47.2	6.6	0	0	6.2	12.9	0	0	0	8.4	8.4	0	19.4	9.4	2.6	31.5	

	Punchbowl Street Southbound					Halekauwila Street Westbound					Punchbowl Street Northbound					Halekauwila Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	44	157	0	48	249	32	0	0	33	65	0	0	0	20	20	0	75	33	7	115	449
04:15 PM	34	142	0	50	226	30	0	0	28	58	0	0	0	76	76	0	**88**	48	**33**	**169**	529
04:30 PM	**48**	158	0	**51**	**257**	28	0	0	**64**	**92**	0	0	0	**117**	**117**	0	85	**54**	24	163	**629**
04:45 PM	35	**169**	0	35	239	**45**	0	0	30	75	0	0	0	36	36	0	77	41	15	133	483
Total Volume	161	626	0	184	971	135	0	0	155	290	0	0	0	249	249	0	325	176	79	580	2090
% App. Total	16.6	64.5	0	18.9		46.6	0	0	53.4		0	0	0	100		0	56	30.3	13.6		
PHF	.839	.926	.000	.902	.945	.750	.000	.000	.605	.788	.000	.000	.000	.532	.532	.000	.923	.815	.598	.858	.831


NORTH
PUNCHBOWL ST.
BUS STOP
ONLY
ONLY
DO NOT ENTER
82'-11"
ONE WAY (2)
58'-4"
57'-7"
ONLY
HALEKAUWILA ST.
ONLY
80'-3"
DO NOT ENTER
ONE WAY
TWO WAY TRAFFIC
NO PARKING ANYTIME TOW AWAY ZONE
25 MPH ONE WAY
BUS STOP
25 MPH
2-HOUR PARKING
7:00-6:00 M-F

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-3891
Counted:DY, JY
Weather:Clear

File Name : KukNuu AM
Site Code : 00000067
Start Date : 6/19/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					N. Kukui Street Westbound					Nuuanu Avenue Northbound					N. Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	3	56	6	4	69	11	21	24	8	64	4	56	16	10	86	18	21	12	9	60	279
06:45 AM	10	118	15	4	147	7	21	21	8	57	6	54	31	10	101	16	34	14	8	72	377
Total	13	174	21	8	216	18	42	45	16	121	10	110	47	20	187	34	55	26	17	132	656
07:00 AM	8	149	15	6	178	7	14	19	4	44	12	78	34	18	142	17	29	21	7	74	438
07:15 AM	10	168	12	6	196	8	14	30	10	62	9	77	35	32	153	28	45	16	8	97	508
07:30 AM	9	157	29	14	209	11	17	21	8	57	14	114	31	21	180	42	40	19	7	108	554
07:45 AM	10	135	23	7	175	13	15	15	8	51	10	96	29	33	168	33	45	26	11	115	509
Total	37	609	79	33	758	39	60	85	30	214	45	365	129	104	643	120	159	82	33	394	2009
08:00 AM	16	167	25	5	213	7	14	20	5	46	8	92	28	29	157	22	43	29	8	102	518
08:15 AM	15	141	22	8	186	13	14	17	5	49	14	86	27	20	147	24	40	19	10	93	475
Grand Total	81	1091	147	54	1373	77	130	167	56	430	77	653	231	173	1134	200	297	156	68	721	3658
Apprch %	5.9	79.5	10.7	3.9		17.9	30.2	38.8	13		6.8	57.6	20.4	15.3		27.7	41.2	21.6	9.4		
Total %	2.2	29.8	4	1.5	37.5	2.1	3.6	4.6	1.5	11.8	2.1	17.9	6.3	4.7	31	5.5	8.1	4.3	1.9	19.7	

	Nuuanu Avenue Southbound					N. Kukui Street Westbound					Nuuanu Avenue Northbound					N. Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	10	**168**	12	6	196	8	14	**30**	**10**	**62**	9	77	**35**	32	153	28	**45**	16	8	97	508
07:30 AM	9	157	**29**	**14**	209	11	**17**	21	8	57	**14**	**114**	31	21	**180**	**42**	40	19	7	108	**554**
07:45 AM	10	135	23	7	175	**13**	15	15	8	51	10	96	29	**33**	168	33	45	26	**11**	**115**	509
08:00 AM	**16**	167	25	5	**213**	7	14	20	5	46	8	92	28	29	157	22	43	**29**	8	102	518
Total Volume	45	627	89	32	793	39	60	86	31	216	41	379	123	115	658	125	173	90	34	422	2089
% App. Total	5.7	79.1	11.2	4		18.1	27.8	39.8	14.4		6.2	57.6	18.7	17.5		29.6	41	21.3	8.1		
PHF	.703	.933	.767	.571	.931	.750	.882	.717	.775	.871	.732	.831	.879	.871	.914	.744	.961	.776	.773	.917	.943

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5675
Counted:DY, JY
Weather:Clear

File Name : KukNuu MIDDAY
Site Code : 00000067
Start Date : 6/19/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Kukui Street Westbound					Nuuanu Avenue Northbound					Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	3	68	28	4	103	7	22	36	13	78	15	127	29	21	192	32	32	8	7	79	452
11:15 AM	4	82	22	10	118	10	25	34	12	81	16	94	31	22	163	21	25	12	11	69	431
11:30 AM	5	82	18	12	117	4	24	40	21	89	24	133	26	26	209	30	27	10	11	78	493
11:45 AM	8	72	15	4	99	6	27	41	15	89	16	104	24	15	159	28	36	20	11	95	442
Total	20	304	83	30	437	27	98	151	61	337	71	458	110	84	723	111	120	50	40	321	1818
12:00 PM	9	66	17	15	107	6	25	45	17	93	17	117	23	24	181	22	25	12	12	71	452
12:15 PM	3	57	18	14	92	2	24	45	3	74	16	102	23	14	155	25	28	16	15	84	405
12:30 PM	8	62	15	4	89	4	18	33	12	67	14	108	27	13	162	23	31	15	3	72	390
12:45 PM	12	80	22	15	129	7	11	45	2	65	13	109	22	12	156	17	41	14	11	83	433
Total	32	265	72	48	417	19	78	168	34	299	60	436	95	63	654	87	125	57	41	310	1680
Grand Total	52	569	155	78	854	46	176	319	95	636	131	894	205	147	1377	198	245	107	81	631	3498
Apprch %	6.1	66.6	18.1	9.1		7.2	27.7	50.2	14.9		9.5	64.9	14.9	10.7		31.4	38.8	17	12.8		
Total %	1.5	16.3	4.4	2.2	24.4	1.3	5	9.1	2.7	18.2	3.7	25.6	5.9	4.2	39.4	5.7	7	3.1	2.3	18	

	Nuuanu Avenue Southbound					Kukui Street Westbound					Nuuanu Avenue Northbound					Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	3	68	**28**	4	103	7	22	36	13	78	15	127	29	21	192	**32**	32	8	7	79	452
11:15 AM	4	**82**	22	10	**118**	**10**	25	34	12	81	16	94	**31**	22	163	21	25	12	**11**	69	431
11:30 AM	5	82	18	**12**	117	4	24	40	**21**	**89**	**24**	**133**	26	**26**	**209**	30	27	10	11	78	**493**
11:45 AM	**8**	72	15	4	99	6	**27**	**41**	15	89	16	104	24	15	159	28	**36**	**20**	11	**95**	442
Total Volume	20	304	83	30	437	27	98	151	61	337	71	458	110	84	723	111	120	50	40	321	1818
% App. Total	4.6	69.6	19	6.9		8	29.1	44.8	18.1		9.8	63.3	15.2	11.6		34.6	37.4	15.6	12.5		
PHF	.625	.927	.741	.625	.926	.675	.907	.921	.726	.947	.740	.861	.887	.808	.865	.867	.833	.625	.909	.845	.922

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

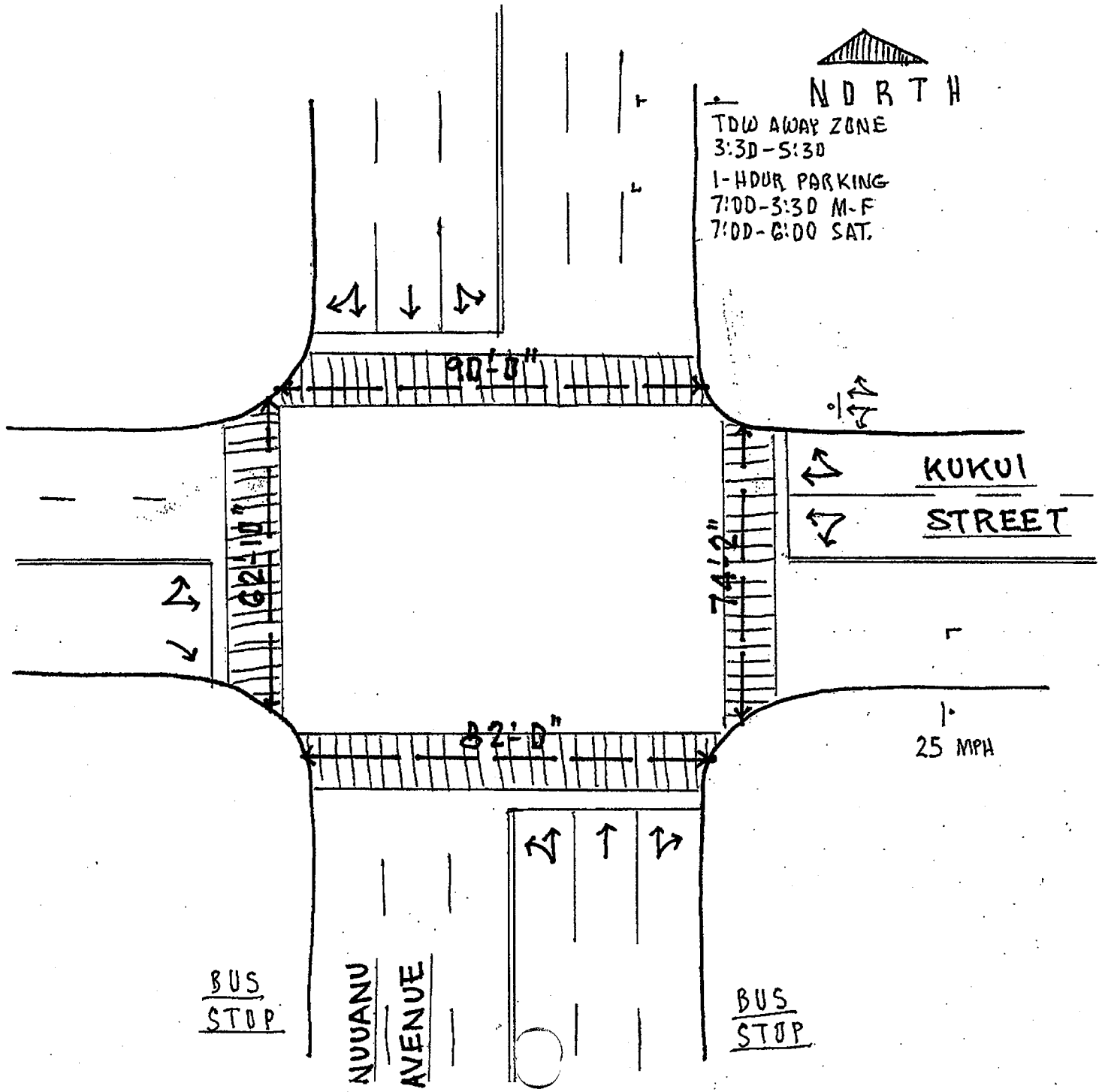
Counter:D4-3891, D4-5675
Counted:DY, JY
Weather:Clear

File Name : KukNuu PM
Site Code : 00000067
Start Date : 6/19/2008
Page No : 1

Groups Printed- Unshifted

	Nuuanu Avenue Southbound					Kukui Street Westbound					Nuuanu Avenue Northbound					Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	3	49	11	14	77	7	15	54	14	90	20	187	34	24	265	22	33	11	19	85	517
04:15 PM	1	51	11	7	70	12	25	44	14	95	26	214	40	31	311	34	27	11	3	75	551
04:30 PM	9	57	10	11	87	10	19	62	11	102	19	227	43	31	320	30	46	14	10	100	609
04:45 PM	8	71	16	3	98	7	24	62	11	104	22	267	48	36	373	38	44	16	18	116	691
Total	21	228	48	35	332	36	83	222	50	391	87	895	165	122	1269	124	150	52	50	376	2368
05:00 PM	8	63	17	17	105	10	32	62	16	120	15	226	32	35	308	24	70	25	20	139	672
05:15 PM	6	85	20	8	119	9	39	79	14	141	26	259	38	30	353	28	38	29	15	110	723
05:30 PM	4	53	13	3	73	6	17	49	8	80	23	191	49	36	299	31	49	26	10	116	568
05:45 PM	5	66	16	7	94	7	32	51	17	107	9	153	38	19	219	14	43	21	12	90	510
Total	23	267	66	35	391	32	120	241	55	448	73	829	157	120	1179	97	200	101	57	455	2473
Grand Total	44	495	114	70	723	68	203	463	105	839	160	1724	322	242	2448	221	350	153	107	831	4841
Apprch %	6.1	68.5	15.8	9.7		8.1	24.2	55.2	12.5		6.5	70.4	13.2	9.9		26.6	42.1	18.4	12.9		
Total %	0.9	10.2	2.4	1.4	14.9	1.4	4.2	9.6	2.2	17.3	3.3	35.6	6.7	5	50.6	4.6	7.2	3.2	2.2	17.2	

	Nuuanu Avenue Southbound					Kukui Street Westbound					Nuuanu Avenue Northbound					Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	**9**	57	10	11	87	**10**	19	62	11	102	19	227	43	31	320	30	46	14	10	100	609
04:45 PM	8	71	16	3	98	7	24	62	11	104	22	**267**	**48**	**36**	**373**	**38**	44	16	18	116	691
05:00 PM	8	63	17	**17**	105	10	32	62	**16**	120	15	226	32	35	308	24	**70**	25	**20**	**139**	672
05:15 PM	6	**85**	**20**	8	**119**	9	**39**	**79**	14	**141**	**26**	259	38	30	353	28	38	**29**	15	110	**723**
Total Volume	31	276	63	39	409	36	114	265	52	467	82	979	161	132	1354	120	198	84	63	465	2695
% App. Total	7.6	67.5	15.4	9.5		7.7	24.4	56.7	11.1		6.1	72.3	11.9	9.7		25.8	42.6	18.1	13.5		
PHF	.861	.812	.788	.574	.859	.900	.731	.839	.813	.828	.788	.917	.839	.917	.908	.789	.707	.724	.788	.836	.932


NORTH
TOW AWAY ZONE
3:30-5:30
1-HOUR PARKING
7:00-3:30 M-F
7:00-6:00 SAT.
90'-0"
62'-10"
74'-2"
82'-0"
KUKUI
STREET
25 MPH
BUS
STOP
NUUANU
AVENUE
BUS
STOP

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5671
Counted:JM, RL
Weather:Clear

File Name : KukMau AM
Site Code : 00000068
Start Date : 6/19/2008
Page No : 1

Groups Printed- Unshifted

	Maunakea Street Southbound					Kukui Street Westbound					Maunakea Street Northbound					Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	6	17	10	6	39	6	21	6	9	42	5	16	13	5	39	1	34	8	3	46	166
06:45 AM	11	19	6	3	39	8	18	6	7	39	9	35	14	12	70	4	44	19	2	69	217
Total	17	36	16	9	78	14	39	12	16	81	14	51	27	17	109	5	78	27	5	115	383
07:00 AM	11	20	3	9	43	9	13	5	8	35	7	34	18	20	79	5	48	14	3	70	227
07:15 AM	11	39	3	2	55	5	23	6	12	46	11	31	30	20	92	4	58	16	2	80	273
07:30 AM	7	31	7	4	49	15	19	8	13	55	13	43	37	5	98	3	68	24	2	97	299
07:45 AM	7	30	6	10	53	15	19	6	8	48	17	41	35	22	115	6	59	21	2	88	304
Total	36	120	19	25	200	44	74	25	41	184	48	149	120	67	384	18	233	75	9	335	1103
08:00 AM	10	30	8	7	55	12	17	11	2	42	9	43	33	12	97	6	57	29	3	95	289
08:15 AM	10	38	6	8	62	15	16	9	12	52	10	34	42	19	105	4	46	20	3	73	292
Grand Total	73	224	49	49	395	85	146	57	71	359	81	277	222	115	695	33	414	151	20	618	2067
Apprch %	18.5	56.7	12.4	12.4		23.7	40.7	15.9	19.8		11.7	39.9	31.9	16.5		5.3	67	24.4	3.2		
Total %	3.5	10.8	2.4	2.4	19.1	4.1	7.1	2.8	3.4	17.4	3.9	13.4	10.7	5.6	33.6	1.6	20	7.3	1	29.9	

	Maunakea Street Southbound					Kukui Street Westbound					Maunakea Street Northbound					Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	7	31	7	4	49	**15**	**19**	8	**13**	**55**	13	**43**	37	5	98	3	**68**	24	2	**97**	299
07:45 AM	7	30	6	**10**	53	15	19	6	8	48	**17**	41	35	**22**	**115**	**6**	59	21	2	88	**304**
08:00 AM	**10**	30	**8**	7	55	12	17	**11**	2	42	9	43	33	12	97	6	57	**29**	**3**	95	289
08:15 AM	10	**38**	6	8	**62**	15	16	9	12	52	10	34	**42**	19	105	4	46	20	3	73	292
Total Volume	34	129	27	29	219	57	71	34	35	197	49	161	147	58	415	19	230	94	10	353	1184
% App. Total	15.5	58.9	12.3	13.2		28.9	36	17.3	17.8		11.8	38.8	35.4	14		5.4	65.2	26.6	2.8		
PHF	.850	.849	.844	.725	.883	.950	.934	.773	.673	.895	.721	.936	.875	.659	.902	.792	.846	.810	.833	.910	.974

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5671
Counted:JM, RL
Weather:Clear

File Name : KukMau MIDDAY
Site Code : 00000068
Start Date : 6/19/2008
Page No : 1

Groups Printed- Unshifted

	Maunakea Street Southbound					Kukui Street Westbound					Maunakea Street Northbound					Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	14	42	8	7	71	21	22	13	16	72	19	43	32	22	116	8	27	15	7	57	316
11:15 AM	6	38	13	5	62	10	38	18	18	84	6	45	20	25	96	9	35	23	6	73	315
11:30 AM	11	33	11	12	67	15	37	18	20	90	18	48	28	35	129	9	38	30	4	81	367
11:45 AM	7	30	8	10	55	9	29	23	17	78	17	57	28	31	133	15	36	40	5	96	362
Total	38	143	40	34	255	55	126	72	71	324	60	193	108	113	474	41	136	108	22	307	1360
12:00 PM	8	31	7	10	56	17	21	24	7	69	13	58	26	38	135	6	30	22	1	59	319
12:15 PM	8	43	5	4	60	11	32	26	6	75	11	40	26	20	97	9	39	24	2	74	306
12:30 PM	9	27	8	7	51	9	19	14	2	44	9	44	26	15	94	7	36	20	4	67	256
12:45 PM	8	31	5	11	55	7	17	21	8	53	12	66	27	19	124	7	35	18	5	65	297
Total	33	132	25	32	222	44	89	85	23	241	45	208	105	92	450	29	140	84	12	265	1178
Grand Total	71	275	65	66	477	99	215	157	94	565	105	401	213	205	924	70	276	192	34	572	2538
Apprch %	14.9	57.7	13.6	13.8		17.5	38.1	27.8	16.6		11.4	43.4	23.1	22.2		12.2	48.3	33.6	5.9		
Total %	2.8	10.8	2.6	2.6	18.8	3.9	8.5	6.2	3.7	22.3	4.1	15.8	8.4	8.1	36.4	2.8	10.9	7.6	1.3	22.5	

	Maunakea Street Southbound					Kukui Street Westbound					Maunakea Street Northbound					Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	6	**38**	**13**	5	62	10	**38**	18	18	84	6	45	20	25	96	9	35	23	**6**	73	315
11:30 AM	**11**	33	11	**12**	**67**	15	37	18	**20**	**90**	**18**	48	**28**	35	129	9	**38**	30	4	81	**367**
11:45 AM	7	30	8	10	55	9	29	23	17	78	17	57	28	31	133	**15**	36	**40**	5	**96**	362
12:00 PM	8	31	7	10	56	**17**	21	**24**	7	69	13	**58**	26	**38**	**135**	6	30	22	1	59	319
Total Volume	32	132	39	37	240	51	125	83	62	321	54	208	102	129	493	39	139	115	16	309	1363
% App. Total	13.3	55	16.2	15.4		15.9	38.9	25.9	19.3		11	42.2	20.7	26.2		12.6	45	37.2	5.2		
PHF	.727	.868	.750	.771	.896	.750	.822	.865	.775	.892	.750	.897	.911	.849	.913	.650	.914	.719	.667	.805	.928

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

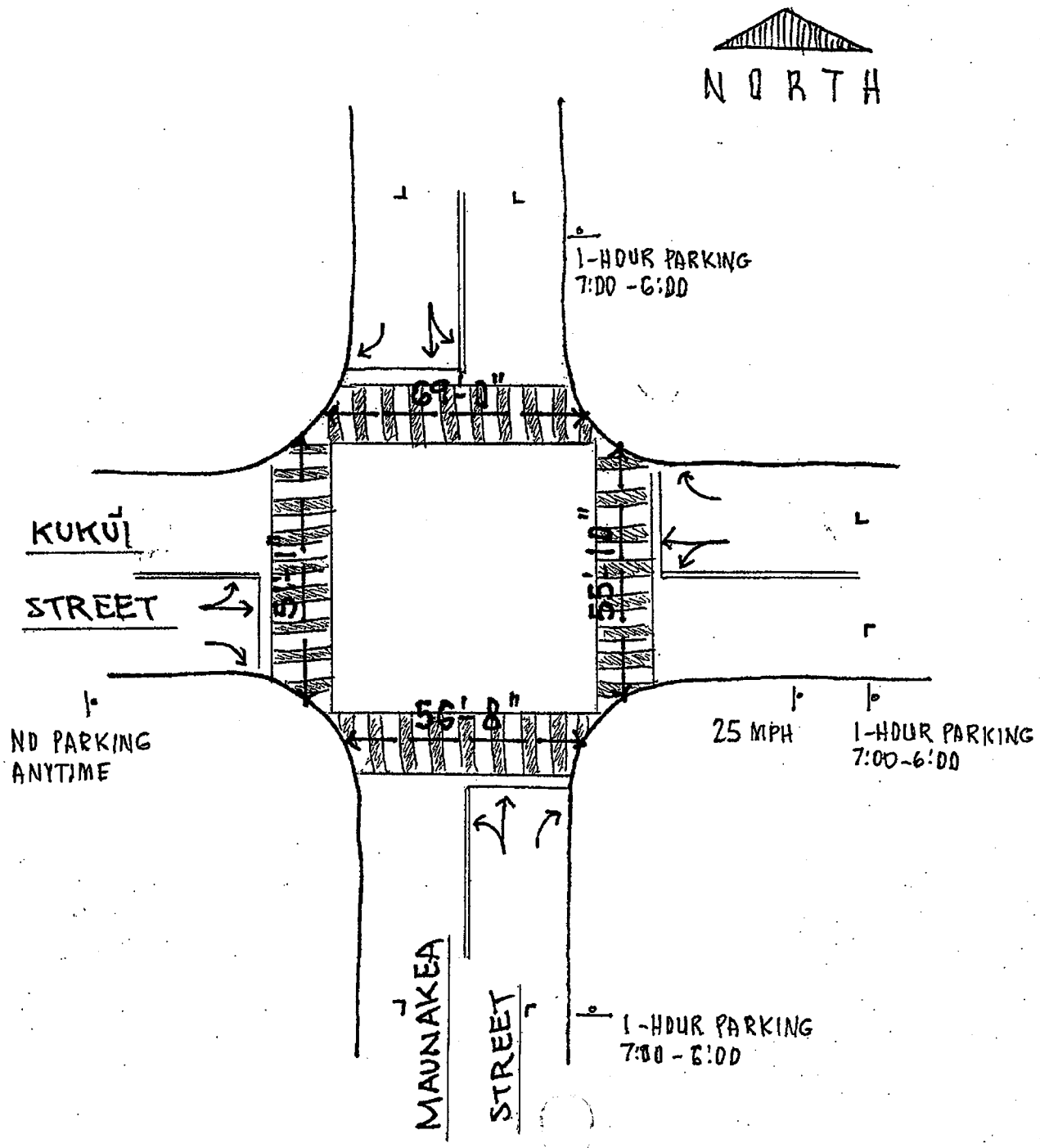
Counter:D4-3888, D4-5671
Counted:JM, RL
Weather:Clear

File Name : KukMau PM
Site Code : 00000068
Start Date : 6/19/2008
Page No : 1

Groups Printed- Unshifted

	Maunakea Street Southbound					Kukui Street Westbound					Maunakea Street Northbound					Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	23	5	11	39	9	17	21	4	51	6	65	28	8	107	6	39	12	4	61	258
04:15 PM	8	12	3	4	27	11	28	9	8	56	7	83	23	13	126	5	47	14	0	66	275
04:30 PM	9	24	3	4	40	10	18	22	1	51	12	73	40	6	131	3	49	12	3	67	289
04:45 PM	10	29	4	10	53	15	17	26	8	66	8	82	51	14	155	8	47	18	5	78	352
Total	27	88	15	29	159	45	80	78	21	224	33	303	142	41	519	22	182	56	12	272	1174
05:00 PM	11	22	8	6	47	9	33	20	5	67	9	83	44	9	145	8	56	23	1	88	347
05:15 PM	15	19	4	9	47	12	19	38	7	76	11	87	46	8	152	3	49	10	0	62	337
05:30 PM	19	28	4	8	59	2	30	20	8	60	3	50	36	7	96	8	39	10	0	57	272
05:45 PM	13	31	3	3	50	8	21	28	7	64	10	61	28	6	105	5	38	11	0	54	273
Total	58	100	19	26	203	31	103	106	27	267	33	281	154	30	498	24	182	54	1	261	1229
Grand Total	85	188	34	55	362	76	183	184	48	491	66	584	296	71	1017	46	364	110	13	533	2403
Apprch %	23.5	51.9	9.4	15.2		15.5	37.3	37.5	9.8		6.5	57.4	29.1	7		8.6	68.3	20.6	2.4		
Total %	3.5	7.8	1.4	2.3	15.1	3.2	7.6	7.7	2	20.4	2.7	24.3	12.3	3	42.3	1.9	15.1	4.6	0.5	22.2	

	Maunakea Street Southbound					Kukui Street Westbound					Maunakea Street Northbound					Kukui Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	9	24	3	4	40	10	18	22	1	51	**12**	73	40	6	131	3	49	12	3	67	289
04:45 PM	10	**29**	4	**10**	**53**	**15**	17	26	**8**	66	8	82	**51**	**14**	**155**	**8**	47	18	**5**	78	**352**
05:00 PM	11	22	**8**	6	47	9	**33**	20	5	67	9	83	44	9	145	8	**56**	**23**	1	**88**	347
05:15 PM	**15**	19	4	9	47	12	19	**38**	7	**76**	11	**87**	46	8	152	3	49	10	0	62	337
Total Volume	45	94	19	29	187	46	87	106	21	260	40	325	181	37	583	22	201	63	9	295	1325
% App. Total	24.1	50.3	10.2	15.5		17.7	33.5	40.8	8.1		6.9	55.7	31	6.3		7.5	68.1	21.4	3.1		
PHF	.750	.810	.594	.725	.882	.767	.659	.697	.656	.855	.833	.934	.887	.661	.940	.688	.897	.685	.450	.838	.941


NORTH
1-HOUR PARKING
7:00 - 6:00
KUKUI
STREET
NO PARKING
ANYTIME
25 MPH
1-HOUR PARKING
7:00-6:00
1-HOUR PARKING
7:00 - 6:00
MAUNAKEA
STREET

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5671
Counted:JM, RT
Weather:Clear

File Name : VinPal AM
Site Code : 00000070
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Palama Street Southbound					Vineyard Blvd. Westbound					Palama Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	7	35	71	4	117	3	78	7	9	97	11	12	5	6	34	63	281	35	4	383	631
06:45 AM	8	29	66	2	105	7	95	10	12	124	29	13	7	3	52	37	283	36	10	366	647
Total	15	64	137	6	222	10	173	17	21	221	40	25	12	9	86	100	564	71	14	749	1278
07:00 AM	7	34	95	3	139	5	124	8	23	160	28	8	9	8	53	31	297	49	9	386	738
07:15 AM	7	20	77	12	116	2	114	7	20	143	22	14	9	7	52	41	358	29	7	435	746
07:30 AM	9	37	101	9	156	5	136	10	30	181	36	12	5	1	54	32	254	81	10	377	768
07:45 AM	9	33	104	6	152	11	129	13	40	193	32	22	6	9	69	41	299	44	13	397	811
Total	32	124	377	30	563	23	503	38	113	677	118	56	29	25	228	145	1208	203	39	1595	3063
08:00 AM	11	38	70	8	127	7	121	18	62	208	16	13	2	1	32	53	272	54	18	397	764
08:15 AM	10	52	66	9	137	7	109	14	27	157	22	17	6	0	45	31	246	32	13	322	661
Grand Total	68	278	650	53	1049	47	906	87	223	1263	196	111	49	35	391	329	2290	360	84	3063	5766
Apprch %	6.5	26.5	62	5.1		3.7	71.7	6.9	17.7		50.1	28.4	12.5	9		10.7	74.8	11.8	2.7		
Total %	1.2	4.8	11.3	0.9	18.2	0.8	15.7	1.5	3.9	21.9	3.4	1.9	0.8	0.6	6.8	5.7	39.7	6.2	1.5	53.1	

	Palama Street Southbound					Vineyard Blvd. Westbound					Palama Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	7	20	77	**12**	116	2	114	7	20	143	22	14	**9**	7	52	41	**358**	29	7	**435**	746
07:30 AM	9	37	101	9	**156**	5	**136**	10	30	181	**36**	12	5	1	54	32	254	**81**	10	377	768
07:45 AM	9	33	**104**	6	152	**11**	129	13	40	193	32	**22**	6	**9**	**69**	41	299	44	13	397	**811**
08:00 AM	**11**	**38**	70	8	127	7	121	**18**	**62**	**208**	16	13	2	1	32	**53**	272	54	**18**	397	764
Total Volume	36	128	352	35	551	25	500	48	152	725	106	61	22	18	207	167	1183	208	48	1606	3089
% App. Total	6.5	23.2	63.9	6.4		3.4	69	6.6	21		51.2	29.5	10.6	8.7		10.4	73.7	13	3		
PHF	.818	.842	.846	.729	.883	.568	.919	.667	.613	.871	.736	.693	.611	.500	.750	.788	.826	.642	.667	.923	.952

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:
Counted:
Weather:

File Name : VinPal U-Turns AM
Site Code : 00000070
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Northbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	1	0	0	0	1	0	2	0	0	0	2	3
06:45 AM	0	3	0	0	0	3	0	4	0	0	0	4	7
Total	0	4	0	0	0	4	0	6	0	0	0	6	10
07:00 AM	0	0	0	0	0	0	0	5	0	0	0	5	5
07:15 AM	0	1	0	0	0	1	0	3	0	0	0	3	4
07:30 AM	0	3	0	0	0	3	0	8	0	0	0	8	11
07:45 AM	0	2	0	0	0	2	0	5	0	0	0	5	7
Total	0	6	0	0	0	6	0	21	0	0	0	21	27
08:00 AM	0	4	0	0	0	4	0	3	0	0	0	3	7
08:15 AM	0	6	0	0	0	6	0	3	0	0	0	3	9
Grand Total	0	20	0	0	0	20	0	33	0	0	0	33	53
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	37.7	0	0	0	37.7	0	62.3	0	0	0	62.3	

	Southbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Northbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:30 AM													
07:30 AM	0	3	0	0	0	3	0	8	0	0	0	8	11
07:45 AM	0	2	0	0	0	2	0	5	0	0	0	5	7
08:00 AM	0	4	0	0	0	4	0	3	0	0	0	3	7
08:15 AM	0	6	0	0	0	6	0	3	0	0	0	3	9
Total Volume	0	15	0	0	0	15	0	19	0	0	0	19	34
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.625	.000	.000	.000	.625	.000	.594	.000	.000	.000	.594	.773

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-5672
Counted:JM, RT
Weather:Clear

File Name : VinPal MIDDAY
Site Code : 00000070
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Palama Street Southbound					Vineyard Blvd. Westbound					Palama Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	18	40	92	1	151	10	142	17	11	180	33	19	26	2	80	57	213	29	17	316	727
11:15 AM	20	47	57	8	132	7	130	21	25	183	26	20	14	2	62	63	210	41	9	323	700
11:30 AM	23	60	80	54	217	12	134	16	41	203	33	25	17	7	82	67	177	50	10	304	806
11:45 AM	19	43	66	31	159	6	147	13	16	182	34	13	21	13	81	45	185	37	11	278	700
Total	80	190	295	94	659	35	553	67	93	748	126	77	78	24	305	232	785	157	47	1221	2933
12:00 PM	14	52	57	7	130	10	153	15	17	195	36	22	14	7	79	39	187	41	7	274	678
12:15 PM	15	60	70	10	155	15	167	14	14	210	40	27	20	7	94	58	194	31	5	288	747
12:30 PM	17	43	61	3	124	8	159	13	9	189	21	18	18	0	57	50	226	29	10	315	685
12:45 PM	15	52	62	1	130	10	133	18	6	167	31	22	17	6	76	39	161	32	6	238	611
Total	61	207	250	21	539	43	612	60	46	761	128	89	69	20	306	186	768	133	28	1115	2721
Grand Total	141	397	545	115	1198	78	1165	127	139	1509	254	166	147	44	611	418	1553	290	75	2336	5654
Apprch %	11.8	33.1	45.5	9.6		5.2	77.2	8.4	9.2		41.6	27.2	24.1	7.2		17.9	66.5	12.4	3.2		
Total %	2.5	7	9.6	2	21.2	1.4	20.6	2.2	2.5	26.7	4.5	2.9	2.6	0.8	10.8	7.4	27.5	5.1	1.3	41.3	

	Palama Street Southbound					Vineyard Blvd. Westbound					Palama Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	18	40	**92**	1	151	10	142	17	11	180	33	19	**26**	2	80	57	**213**	29	**17**	316	727
11:15 AM	20	47	57	8	132	7	130	**21**	25	183	26	20	14	2	62	63	210	41	9	**323**	700
11:30 AM	**23**	**60**	80	**54**	**217**	**12**	134	16	**41**	**203**	33	**25**	17	7	**82**	**67**	177	**50**	10	304	**806**
11:45 AM	19	43	66	31	159	6	**147**	13	16	182	**34**	13	21	**13**	81	45	**185**	37	11	278	700
Total Volume	80	190	295	94	659	35	553	67	93	748	126	77	78	24	305	232	785	157	47	1221	2933
% App. Total	12.1	28.8	44.8	14.3		4.7	73.9	9	12.4		41.3	25.2	25.6	7.9		19	64.3	12.9	3.8		
PHF	.870	.792	.802	.435	.759	.729	.940	.798	.567	.921	.926	.770	.750	.462	.930	.866	.921	.785	.691	.945	.910

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-5672
Counted:JM, RT
Weather:Clear

File Name : VinPal U-Turns MIDDAY
Site Code : 00000070
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Northbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	2	0	0	0	2	0	7	0	0	0	7	9
11:15 AM	0	1	0	0	0	1	0	5	0	0	0	5	6
11:30 AM	0	7	0	0	0	7	0	9	0	0	0	9	16
11:45 AM	0	3	0	0	0	3	0	3	0	0	0	3	6
Total	0	13	0	0	0	13	0	24	0	0	0	24	37
12:00 PM	0	0	0	0	0	0	0	6	0	0	0	6	6
12:15 PM	0	2	0	0	0	2	0	5	0	0	0	5	7
12:30 PM	0	3	0	0	0	3	0	4	0	0	0	4	7
12:45 PM	0	1	0	0	0	1	0	5	0	0	0	5	6
Total	0	6	0	0	0	6	0	20	0	0	0	20	26
Grand Total	0	19	0	0	0	19	0	44	0	0	0	44	63
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	30.2	0	0	0	30.2	0	69.8	0	0	0	69.8	

	Southbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Westbound					Northbound	Vineyard Blvd. Numbers In LT Column Indicate U-Turns Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 11:00 AM													
11:00 AM	0	2	0	0	0	2	0	7	0	0	0	7	9
11:15 AM	0	1	0	0	0	1	0	5	0	0	0	5	6
11:30 AM	0	7	0	0	0	7	0	9	0	0	0	9	16
11:45 AM	0	3	0	0	0	3	0	3	0	0	0	3	6
Total Volume	0	13	0	0	0	13	0	24	0	0	0	24	37
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.464	.000	.000	.000	.464	.000	.667	.000	.000	.000	.667	.578

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-5672
Counted:JM, RT
Weather:Clear

File Name : VinPal PM
Site Code : 00000070
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Palama Street Southbound					Vineyard Blvd. Westbound					Palama Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	11	34	105	7	157	3	242	21	12	278	56	21	14	3	94	50	250	25	16	341	870
04:15 PM	18	42	99	6	165	3	265	21	16	305	46	29	16	1	92	54	264	24	18	360	922
04:30 PM	5	31	113	3	152	8	263	17	11	299	53	23	10	3	89	47	290	36	21	394	934
04:45 PM	10	31	92	2	135	8	258	28	18	312	55	21	17	15	108	52	280	19	16	367	922
Total	44	138	409	18	609	22	1028	87	57	1194	210	94	57	22	383	203	1084	104	71	1462	3648
05:00 PM	13	25	89	11	138	9	290	22	20	341	56	15	10	4	85	41	292	27	21	381	945
05:15 PM	14	28	95	12	149	5	260	16	19	300	60	21	18	9	108	51	239	25	17	332	889
05:30 PM	10	39	98	10	157	7	232	12	19	270	51	19	17	12	99	44	297	38	15	394	920
05:45 PM	9	21	73	6	109	9	187	17	9	222	53	14	8	4	79	51	210	24	19	304	714
Total	46	113	355	39	553	30	969	67	67	1133	220	69	53	29	371	187	1038	114	72	1411	3468
Grand Total	90	251	764	57	1162	52	1997	154	124	2327	430	163	110	51	754	390	2122	218	143	2873	7116
Apprch %	7.7	21.6	65.7	4.9		2.2	85.8	6.6	5.3		57	21.6	14.6	6.8		13.6	73.9	7.6	5		
Total %	1.3	3.5	10.7	0.8	16.3	0.7	28.1	2.2	1.7	32.7	6	2.3	1.5	0.7	10.6	5.5	29.8	3.1	2	40.4	

	Palama Street Southbound					Vineyard Blvd. Westbound					Palama Street Northbound					Vineyard Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	**18**	**42**	99	6	**165**	3	265	21	16	305	46	**29**	16	1	92	**54**	264	24	18	360	922
04:30 PM	5	31	**113**	3	152	8	263	17	11	299	53	23	10	3	89	47	290	**36**	**21**	**394**	934
04:45 PM	10	31	92	2	135	8	258	**28**	18	312	55	21	**17**	**15**	**108**	52	280	19	16	367	922
05:00 PM	13	25	89	**11**	138	**9**	**290**	22	**20**	**341**	**56**	15	10	4	85	41	**292**	27	**21**	381	**945**
Total Volume	46	129	393	22	590	28	1076	88	65	1257	210	88	53	23	374	194	1126	106	76	1502	3723
% App. Total	7.8	21.9	66.6	3.7		2.2	85.6	7	5.2		56.1	23.5	14.2	6.1		12.9	75	7.1	5.1		
PHF	.639	.768	.869	.500	.894	.778	.928	.786	.813	.922	.938	.759	.779	.383	.866	.898	.964	.736	.905	.953	.985

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

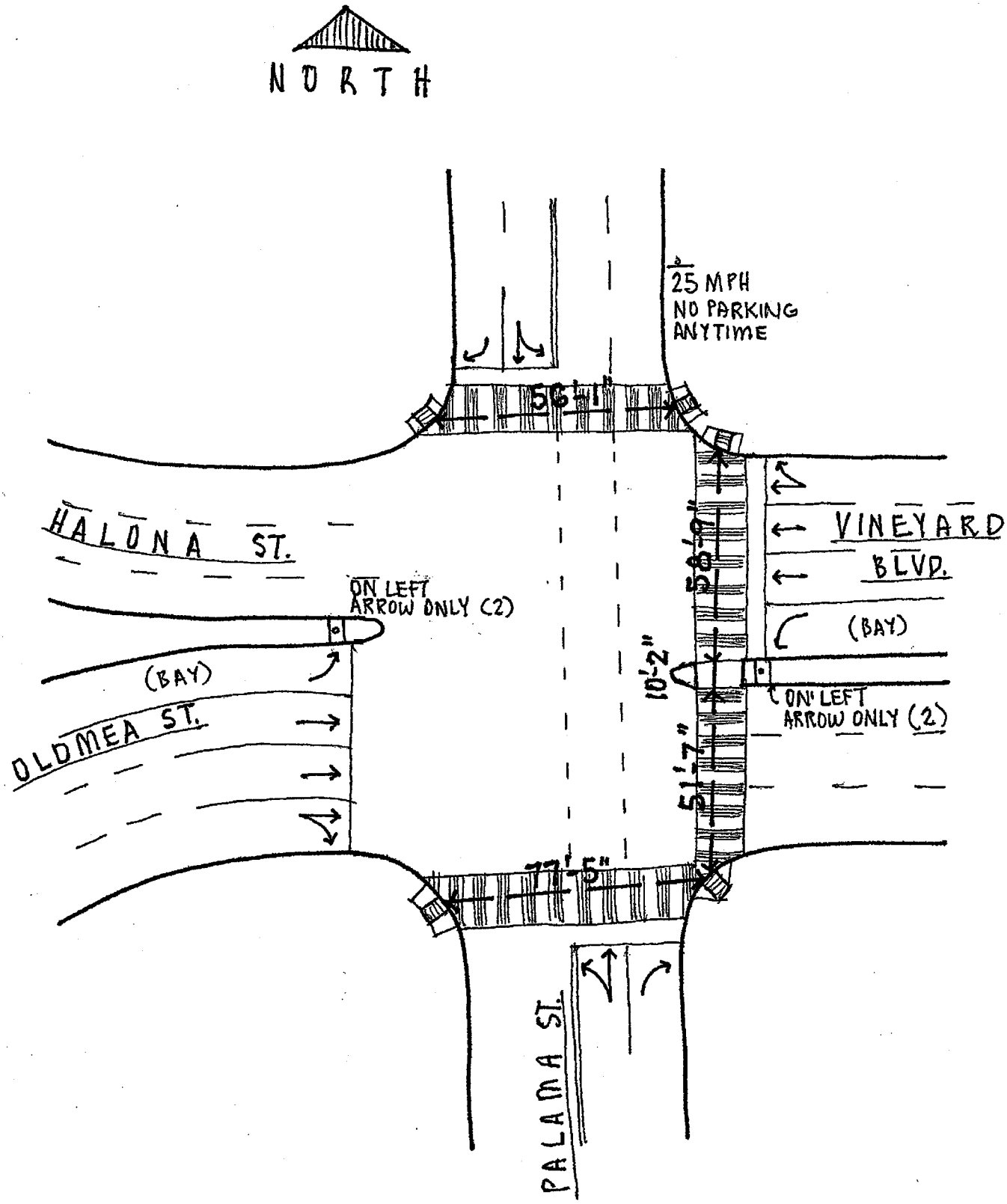
Counter:D4-5671, D4-5672
Counted:JM, RT
Weather:Clear

File Name : VinPal U-Turns PM
Site Code : 00000070
Start Date : 6/10/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Vineyard Blvd. Westbound (Numbers In LT Column Indicate U-Turns)					Northbound	Vineyard Blvd. Eastbound (Numbers In LT Column Indicate U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	6	0	0	0	6	0	10	0	0	0	10	16
04:15 PM	0	8	0	0	0	8	0	6	0	0	0	6	14
04:30 PM	0	1	0	0	0	1	0	9	0	0	0	9	10
04:45 PM	0	4	0	0	0	4	0	5	0	0	0	5	9
Total	0	19	0	0	0	19	0	30	0	0	0	30	49
05:00 PM	0	6	0	0	0	6	0	8	0	0	0	8	14
05:15 PM	0	6	0	0	0	6	0	7	0	0	0	7	13
05:30 PM	0	2	0	0	0	2	0	4	0	0	0	4	6
05:45 PM	0	4	0	0	0	4	0	7	0	0	0	7	11
Total	0	18	0	0	0	18	0	26	0	0	0	26	44
Grand Total	0	37	0	0	0	37	0	56	0	0	0	56	93
Apprch %		100	0	0	0			100	0	0	0		
Total %	0	39.8	0	0	0	39.8	0	60.2	0	0	0	60.2	

	Southbound	Vineyard Blvd. Westbound (Numbers In LT Column Indicate U-Turns)					Northbound	Vineyard Blvd. Eastbound (Numbers In LT Column Indicate U-Turns)					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	0	6	0	0	0	6	0	**10**	0	0	0	**10**	**16**
04:15 PM	0	**8**	0	0	0	**8**	0	6	0	0	0	6	14
04:30 PM	0	1	0	0	0	1	0	9	0	0	0	9	10
04:45 PM	0	4	0	0	0	4	0	5	0	0	0	5	9
Total Volume	0	19	0	0	0	19	0	30	0	0	0	30	49
% App. Total		100	0	0	0			100	0	0	0		
PHF	.000	.594	.000	.000	.000	.594	.000	.750	.000	.000	.000	.750	.766


NORTH
25 MPH
NO PARKING
ANYTIME
56'-1"
HALONA ST.
VINEYARD
BLVD.
58'-9"
ON LEFT
ARROW ONLY (2)
(BAY)
10'-2"
(BAY)
ON LEFT
ARROW ONLY (2)
OLDMEA ST.
51'-7"
77'-5"
PALAMA ST.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841
Counted:ER
Weather:Clear

File Name : KapSou AM
Site Code : 00000001
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	X-Walk North To South On Kapiolani Blvd. Westbound					South Street Northbound					Kapiolani Blvd. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	0	10	10	0	110	5	8	123	0	111	0	7	118	251
06:45 AM	0	0	0	0	10	10	0	139	6	17	162	0	137	0	12	149	321
Total	0	0	0	0	20	20	0	249	11	25	285	0	248	0	19	267	572
07:00 AM	0	0	0	0	14	14	0	171	6	14	191	0	145	0	12	157	362
07:15 AM	0	0	0	0	14	14	0	150	7	16	173	0	160	0	14	174	361
07:30 AM	0	0	0	0	19	19	0	185	9	20	214	0	171	0	15	186	419
07:45 AM	0	0	0	0	17	17	0	155	8	24	187	0	166	0	15	181	385
Total	0	0	0	0	64	64	0	661	30	74	765	0	642	0	56	698	1527
08:00 AM	0	0	0	0	13	13	0	138	7	19	164	0	170	0	13	183	360
08:15 AM	0	0	0	0	23	23	0	166	11	17	194	0	203	0	12	215	432
Grand Total	0	0	0	0	120	120	0	1214	59	135	1408	0	1263	0	100	1363	2891
Apprch %		0	0	0	100		0	86.2	4.2	9.6		0	92.7	0	7.3		
Total %	0	0	0	0	4.2	4.2	0	42	2	4.7	48.7	0	43.7	0	3.5	47.1	

	Southbound	X-Walk North To South On Kapiolani Blvd. Westbound					South Street Northbound					Kapiolani Blvd. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	0	0	0	0	19	19	0	**185**	9	20	**214**	0	171	0	**15**	186	419
07:45 AM	0	0	0	0	17	17	0	155	8	**24**	187	0	166	0	15	181	385
08:00 AM	0	0	0	0	13	13	0	138	7	19	164	0	170	0	13	183	360
08:15 AM	0	0	0	0	**23**	**23**	0	166	11	17	194	0	**203**	0	12	**215**	**432**
Total Volume	0	0	0	0	72	72	0	644	35	80	759	0	710	0	55	765	1596
% App. Total		0	0	0	100		0	84.8	4.6	10.5		0	92.8	0	7.2		
PHF	.000	.000	.000	.000	.783	.783	.000	.870	.795	.833	.887	.000	.874	.000	.917	.890	.924

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841
Counted:ER
Weather:Clear

File Name : KapSou MIDDAY
Site Code : 00000001
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	X-Walk North to South On Kapiolani Blvd. Westbound					South Street Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	0	5	5	0	168	15	10	193	0	197	0	10	207	405
11:15 AM	0	0	0	0	12	12	0	154	15	10	179	0	204	0	9	213	404
11:30 AM	0	0	0	0	16	16	0	174	15	22	211	0	197	0	17	214	441
11:45 AM	0	0	0	0	8	8	0	170	17	17	204	0	191	0	17	208	420
Total	0	0	0	0	41	41	0	666	62	59	787	0	789	0	53	842	1670
12:00 PM	0	0	0	0	14	14	0	170	18	22	210	0	210	0	10	220	444
12:15 PM	0	0	0	0	20	20	0	174	17	15	206	0	174	0	14	188	414
12:30 PM	0	0	0	0	6	6	0	214	16	13	243	0	189	0	11	200	449
12:45 PM	0	0	0	0	8	8	0	173	14	14	201	0	206	0	14	220	429
Total	0	0	0	0	48	48	0	731	65	64	860	0	779	0	49	828	1736
Grand Total	0	0	0	0	89	89	0	1397	127	123	1647	0	1568	0	102	1670	3406
Apprch %		0	0	0	100		0	84.8	7.7	7.5		0	93.9	0	6.1		
Total %	0	0	0	0	2.6	2.6	0	41	3.7	3.6	48.4	0	46	0	3	49	

	Southbound	X-Walk North to South On Kapiolani Blvd. Westbound					South Street Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:00 PM																	
12:00 PM	0	0	0	0	14	14	0	170	18	22	210	0	**210**	0	10	**220**	444
12:15 PM	0	0	0	0	**20**	**20**	0	174	17	15	206	0	174	0	**14**	188	414
12:30 PM	0	0	0	0	6	6	0	**214**	16	13	**243**	0	189	0	11	200	**449**
12:45 PM	0	0	0	0	8	8	0	173	14	14	201	0	206	0	14	220	429
Total Volume	0	0	0	0	48	48	0	731	65	64	860	0	779	0	49	828	1736
% App. Total		0	0	0	100		0	85	7.6	7.4		0	94.1	0	5.9		
PHF	.000	.000	.000	.000	.600	.600	.000	.854	.903	.727	.885	.000	.927	.000	.875	.941	.967

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841
Counted:ER
Weather:Clear

File Name : KAPSOU PM
Site Code : 00000001
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	X-Walk North to South on Kapiolani Blvd. Westbound					South Street Northbound					Kapiolani Blvd. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	0	18	18	0	171	16	23	210	0	181	0	15	196	424
04:15 PM	0	0	0	0	18	18	0	167	17	19	203	0	198	0	43	241	462
04:30 PM	0	0	0	0	8	8	0	190	24	14	228	0	223	0	17	240	476
04:45 PM	0	0	0	0	13	13	0	193	20	25	238	0	175	0	14	189	440
Total	0	0	0	0	57	57	0	721	77	81	879	0	777	0	89	866	1802
05:00 PM	0	0	0	0	20	20	0	192	20	32	244	0	181	0	27	208	472
05:15 PM	0	0	0	0	12	12	0	187	17	17	221	0	192	0	17	209	442
05:30 PM	0	0	0	0	15	15	0	203	12	16	231	0	178	0	19	197	443
05:45 PM	0	0	0	0	26	26	0	149	17	31	197	0	184	0	19	203	426
Total	0	0	0	0	73	73	0	731	66	96	893	0	735	0	82	817	1783
Grand Total	0	0	0	0	130	130	0	1452	143	177	1772	0	1512	0	171	1683	3585
Apprch %		0	0	0	100		0	81.9	8.1	10		0	89.8	0	10.2		
Total %	0	0	0	0	3.6	3.6	0	40.5	4	4.9	49.4	0	42.2	0	4.8	46.9	

	Southbound	X-Walk North to South on Kapiolani Blvd. Westbound					South Street Northbound					Kapiolani Blvd. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	0	0	0	0	18	18	0	167	17	19	203	0	198	0	43	241	462
04:30 PM	0	0	0	0	8	8	0	190	24	14	228	0	223	0	17	240	476
04:45 PM	0	0	0	0	13	13	0	193	20	25	238	0	175	0	14	189	440
05:00 PM	0	0	0	0	20	20	0	192	20	32	244	0	181	0	27	208	472
Total Volume	0	0	0	0	59	59	0	742	81	90	913	0	777	0	101	878	1850
% App. Total		0	0	0	100		0	81.3	8.9	9.9		0	88.5	0	11.5		
PHF	.000	.000	.000	.000	.738	.738	.000	.961	.844	.703	.935	.000	.871	.000	.587	.911	.972

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671
Counted:KK
Weather:Clear

File Name : KinAla AM
Site Code : 00000001
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	X-Walk East To West On Alapai Street Southbound					Westbound	South Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	8	8	0	0	91	8	7	106	54	273	0	7	334	448
06:45 AM	0	0	0	21	21	0	0	94	6	9	109	53	374	0	14	441	571
Total	0	0	0	29	29	0	0	185	14	16	215	107	647	0	21	775	1019
07:00 AM	0	0	0	16	16	0	0	104	4	17	125	53	405	0	7	465	606
07:15 AM	0	0	0	25	25	0	0	174	9	20	203	63	350	0	34	447	675
07:30 AM	0	0	0	15	15	0	0	176	9	25	210	78	377	0	33	488	713
07:45 AM	0	0	0	12	12	0	0	157	6	11	174	63	409	0	25	497	683
Total	0	0	0	68	68	0	0	611	28	73	712	257	1541	0	99	1897	2677
08:00 AM	0	0	0	15	15	0	0	133	5	7	145	35	335	0	18	388	548
08:15 AM	0	0	0	11	11	0	0	131	9	14	154	46	269	0	12	327	492
Grand Total	0	0	0	123	123	0	0	1060	56	110	1226	445	2792	0	150	3387	4736
Apprch %	0	0	0	100			0	86.5	4.6	9		13.1	82.4	0	4.4		
Total %	0	0	0	2.6	2.6	0	0	22.4	1.2	2.3	25.9	9.4	59	0	3.2	71.5	

	X-Walk East To West On Alapai Street Southbound					Westbound	South Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	0	0	16	16	0	0	104	4	17	125	53	405	0	7	465	606
07:15 AM	0	0	0	**25**	**25**	0	0	174	**9**	20	203	63	350	0	**34**	447	675
07:30 AM	0	0	0	15	15	0	0	**176**	9	**25**	**210**	**78**	377	0	33	488	**713**
07:45 AM	0	0	0	12	12	0	0	157	6	11	174	63	**409**	0	25	**497**	683
Total Volume	0	0	0	68	68	0	0	611	28	73	712	257	1541	0	99	1897	2677
% App. Total	0	0	0	100			0	85.8	3.9	10.3		13.5	81.2	0	5.2		
PHF	.000	.000	.000	.680	.680	.000	.000	.868	.778	.730	.848	.824	.942	.000	.728	.954	.939

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671
Counted:KK
Weather:Clear

File Name : KinAla MIDDAY
Site Code : 00000001
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	X-Walk East To West On Alapal Street Southbound					Westbound	South Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	5	5	0	0	109	11	5	125	21	240	0	8	269	399
11:15 AM	0	0	0	6	6	0	0	102	10	1	113	24	247	0	6	277	396
11:30 AM	0	0	0	8	8	0	0	129	21	15	165	26	315	0	8	349	522
11:45 AM	0	0	0	4	4	0	0	124	19	8	151	21	241	0	8	270	425
Total	0	0	0	23	23	0	0	464	61	29	554	92	1043	0	30	1165	1742
12:00 PM	0	0	0	7	7	0	0	112	13	9	134	21	245	0	32	298	439
12:15 PM	0	0	0	17	17	0	0	123	12	8	143	30	309	0	21	360	520
12:30 PM	0	0	0	6	6	0	0	100	19	18	137	23	226	0	19	268	411
12:45 PM	0	0	0	15	15	0	0	110	11	11	132	27	253	0	18	298	445
Total	0	0	0	45	45	0	0	445	55	46	546	101	1033	0	90	1224	1815
Grand Total	0	0	0	68	68	0	0	909	116	75	1100	193	2076	0	120	2389	3557
Apprch %	0	0	0	100			0	82.6	10.5	6.8		8.1	86.9	0	5		
Total %	0	0	0	1.9	1.9	0	0	25.6	3.3	2.1	30.9	5.4	58.4	0	3.4	67.2	

	X-Walk East To West On Alapal Street Southbound					Westbound	South Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	0	0	0	8	8	0	0	**129**	**21**	**15**	**165**	26	**315**	0	8	349	**522**
11:45 AM	0	0	0	4	4	0	0	124	19	8	151	21	241	0	8	270	425
12:00 PM	0	0	0	7	7	0	0	112	13	9	134	21	245	0	**32**	298	439
12:15 PM	0	0	0	**17**	**17**	0	0	123	12	8	143	**30**	309	0	21	**360**	520
Total Volume	0	0	0	36	36	0	0	488	65	40	593	98	1110	0	69	1277	1906
% App. Total	0	0	0	100			0	82.3	11	6.7		7.7	86.9	0	5.4		
PHF	.000	.000	.000	.529	.529	.000	.000	.946	.774	.667	.898	.817	.881	.000	.539	.887	.913

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

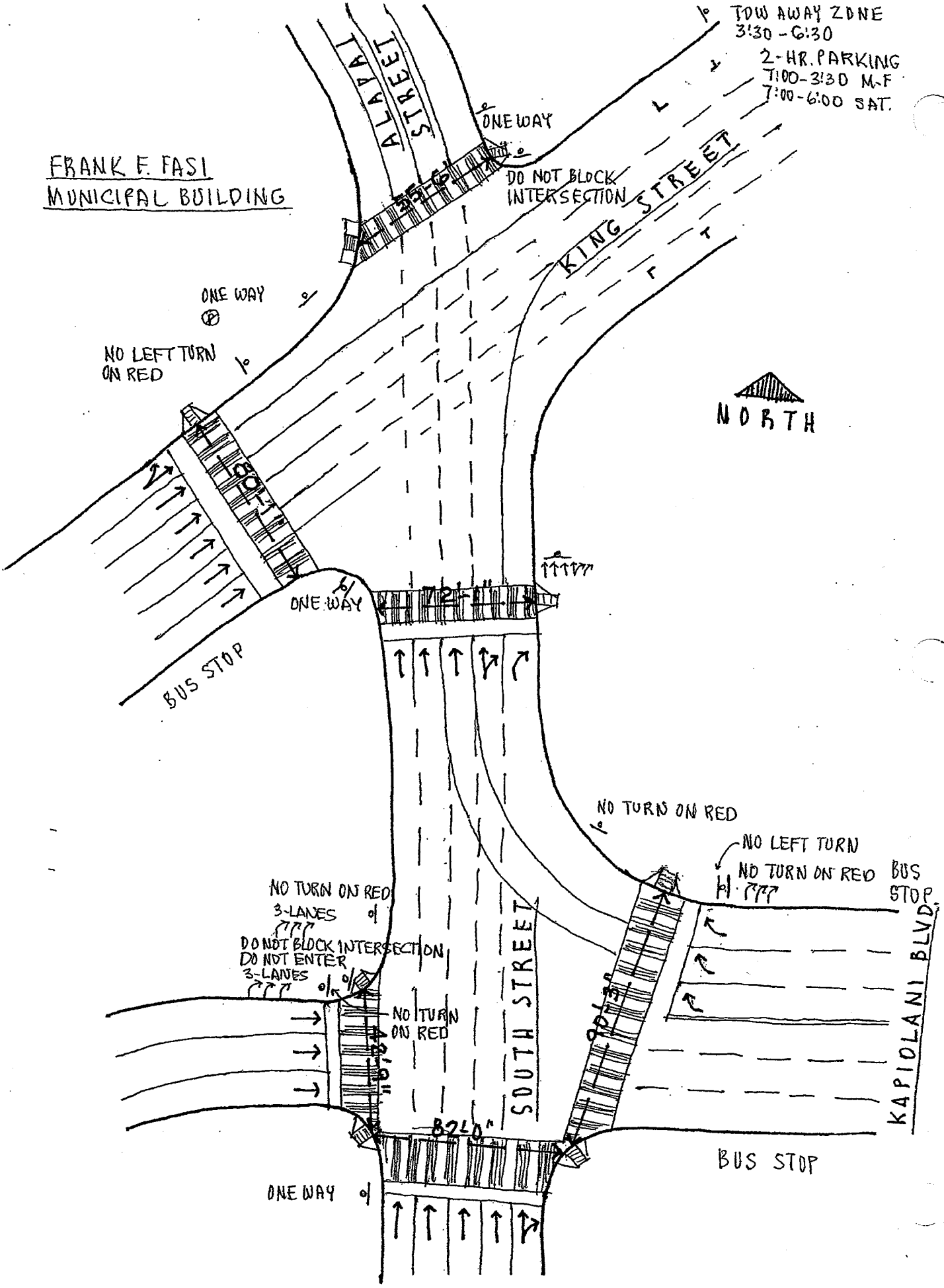
Counter:T-1839
Counted:ER
Weather:Clear

File Name : KinAla PM
Site Code : 00000001
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	X-Walk East to West On Alapai Street Southbound					Westbound	Alapai Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	34	34	0	0	154	18	19	191	38	461	0	35	534	759
04:15 PM	0	0	0	17	17	0	0	162	14	18	194	33	440	0	38	511	722
04:30 PM	0	0	0	29	29	0	0	193	15	27	235	30	446	0	44	520	784
04:45 PM	0	0	0	31	31	0	0	155	21	32	208	22	544	0	50	616	855
Total	0	0	0	111	111	0	0	664	68	96	828	123	1891	0	167	2181	3120
05:00 PM	0	0	0	26	26	0	0	178	19	23	220	23	527	0	42	592	838
05:15 PM	0	0	0	14	14	0	0	164	19	16	199	34	485	0	30	549	762
05:30 PM	0	0	0	15	15	0	0	145	12	16	173	12	444	0	21	477	665
05:45 PM	0	0	0	8	8	0	0	137	11	9	157	16	442	0	13	471	636
Total	0	0	0	63	63	0	0	624	61	64	749	85	1898	0	106	2089	2901
Grand Total	0	0	0	174	174	0	0	1288	129	160	1577	208	3789	0	273	4270	6021
Apprch %	0	0	0	100			0	81.7	8.2	10.1		4.9	88.7	0	6.4		
Total %	0	0	0	2.9	2.9	0	0	21.4	2.1	2.7	26.2	3.5	62.9	0	4.5	70.9	

	X-Walk East to West On Alapai Street Southbound					Westbound	Alapai Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	0	0	0	29	29	0	0	**193**	15	27	**235**	30	446	0	44	520	784
04:45 PM	0	0	0	**31**	**31**	0	0	155	**21**	**32**	208	22	**544**	0	**50**	**616**	**855**
05:00 PM	0	0	0	26	26	0	0	178	19	23	220	23	527	0	42	592	838
05:15 PM	0	0	0	14	14	0	0	164	19	16	199	**34**	485	0	30	549	762
Total Volume	0	0	0	100	100	0	0	690	74	98	862	109	2002	0	166	2277	3239
% App. Total	0	0	0	100			0	80	8.6	11.4		4.8	87.9	0	7.3		
PHF	.000	.000	.000	.806	.806	.000	.000	.894	.881	.766	.917	.801	.920	.000	.830	.924	.947


FRANK F. FASI
MUNICIPAL BUILDING
TOW AWAY ZONE
3:30 - 6:30
2-HR. PARKING
7:00-3:30 M-F
7:00-6:00 SAT.
ONE WAY
ALAPAI STREET
DO NOT BLOCK INTERSECTION
KING STREET
ONE WAY
NO LEFT TURN ON RED
NORTH
BUS STOP
ONE WAY
BUS STOP
NO TURN ON RED
NO LEFT TURN
NO TURN ON RED
BUS STOP
NO TURN ON RED
3-LANES
DO NOT BLOCK INTERSECTION
DO NOT ENTER
3-LANES
NO TURN ON RED
SOUTH STREET
KAPIOLANI BLVD.
BUS STOP
ONE WAY

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D1-0525
Counted:SW, JY
Weather:Clear

File Name : KinWar AM
Site Code : 00000002
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					X-Walk North / South on King Street Westbound					Ward Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	165	0	22	187	0	0	0	37	37	0	28	24	28	80	23	297	19	43	382	686
06:45 AM	0	208	0	30	238	0	0	0	55	55	0	32	51	18	101	43	411	20	27	501	895
Total	0	373	0	52	425	0	0	0	92	92	0	60	75	46	181	66	708	39	70	883	1581
07:00 AM	0	194	0	22	216	0	0	0	40	40	0	56	65	32	153	37	471	21	16	545	954
07:15 AM	0	270	0	12	282	0	0	0	37	37	0	50	63	38	151	37	449	15	12	513	983
07:30 AM	0	260	0	2	262	0	0	0	23	23	0	44	96	48	188	50	440	28	11	529	1002
07:45 AM	0	242	0	2	244	0	0	0	23	23	0	45	64	39	148	18	398	21	2	439	854
Total	0	966	0	38	1004	0	0	0	123	123	0	195	288	157	640	142	1758	85	41	2026	3793
08:00 AM	0	241	0	13	254	0	0	0	18	18	0	48	56	13	117	37	401	17	7	462	851
08:15 AM	0	246	0	7	253	0	0	0	25	25	0	43	49	22	114	29	369	0	12	410	802
Grand Total	0	1826	0	110	1936	0	0	0	258	258	0	346	468	238	1052	274	3236	141	130	3781	7027
Apprch %	0	94.3	0	5.7		0	0	0	100		0	32.9	44.5	22.6		7.2	85.6	3.7	3.4		
Total %	0	26	0	1.6	27.6	0	0	0	3.7	3.7	0	4.9	6.7	3.4	15	3.9	46.1	2	1.9	53.8	

	Ward Avenue Southbound					X-Walk North / South on King Street Westbound					Ward Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:00 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:45 AM																					
06:45 AM	0	208	0	**30**	238	0	0	0	**55**	**55**	0	32	51	18	101	43	411	20	**27**	501	895
07:00 AM	0	194	0	22	216	0	0	0	40	40	0	**56**	65	32	153	37	**471**	21	16	**545**	954
07:15 AM	0	**270**	0	12	**282**	0	0	0	37	37	0	50	63	38	151	37	449	15	12	513	983
07:30 AM	0	260	0	2	262	0	0	0	23	23	0	44	**96**	**48**	**188**	**50**	440	**28**	11	529	**1002**
Total Volume	0	932	0	66	998	0	0	0	155	155	0	182	275	136	593	167	1771	84	66	2088	3834
% App. Total	0	93.4	0	6.6		0	0	0	100		0	30.7	46.4	22.9		8	84.8	4	3.2		
PHF	.000	.863	.000	.550	.885	.000	.000	.000	.705	.705	.000	.813	.716	.708	.789	.835	.940	.750	.611	.958	.957

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D1-0525
Counted:SW, JY
Weather:Clear

File Name : KinWar MIDDAY
Site Code : 00000002
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					X-Walk North / South On King Street Westbound					Ward Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	267	0	5	272	0	0	0	11	11	0	106	91	15	212	42	383	14	5	444	939
11:15 AM	0	245	0	12	257	0	0	0	19	19	0	102	81	18	201	48	421	19	14	502	979
11:30 AM	0	282	0	0	282	0	0	0	77	77	0	98	76	14	188	70	431	30	6	537	1084
11:45 AM	0	243	0	3	246	0	0	0	7	7	0	111	85	18	214	59	410	21	0	490	957
Total	0	1037	0	20	1057	0	0	0	114	114	0	417	333	65	815	219	1645	84	25	1973	3959
12:00 PM	0	208	0	4	212	0	0	0	11	11	0	72	79	9	160	40	408	23	0	471	854
12:15 PM	0	224	0	8	232	0	0	0	18	18	0	101	70	12	183	26	327	23	6	382	815
12:30 PM	0	177	0	0	177	0	0	0	8	8	0	102	89	16	207	35	332	13	0	380	772
12:45 PM	0	219	0	11	230	0	0	0	11	11	0	134	73	20	227	34	303	12	18	367	835
Total	0	828	0	23	851	0	0	0	48	48	0	409	311	57	777	135	1370	71	24	1600	3276
Grand Total	0	1865	0	43	1908	0	0	0	162	162	0	826	644	122	1592	354	3015	155	49	3573	7235
Apprch %	0	97.7	0	2.3		0	0	0	100		0	51.9	40.5	7.7		9.9	84.4	4.3	1.4		
Total %	0	25.8	0	0.6	26.4	0	0	0	2.2	2.2	0	11.4	8.9	1.7	22	4.9	41.7	2.1	0.7	49.4	

	Ward Avenue Southbound					X-Walk North / South On King Street Westbound					Ward Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	0	267	0	5	272	0	0	0	11	11	0	106	**91**	15	212	42	383	14	5	444	939
11:15 AM	0	245	0	**12**	257	0	0	0	19	19	0	102	81	**18**	201	48	421	19	**14**	502	979
11:30 AM	0	**282**	0	0	**282**	0	0	0	**77**	**77**	0	98	76	14	188	**70**	**431**	**30**	6	**537**	**1084**
11:45 AM	0	243	0	3	246	0	0	0	7	7	0	111	85	18	**214**	59	410	21	0	490	957
Total Volume	0	1037	0	20	1057	0	0	0	114	114	0	417	333	65	815	219	1645	84	25	1973	3959
% App. Total	0	98.1	0	1.9		0	0	0	100		0	51.2	40.9	8		11.1	83.4	4.3	1.3		
PHF	.000	.919	.000	.417	.937	.000	.000	.000	.370	.370	.000	.939	.915	.903	.952	.782	.954	.700	.446	.919	.913

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

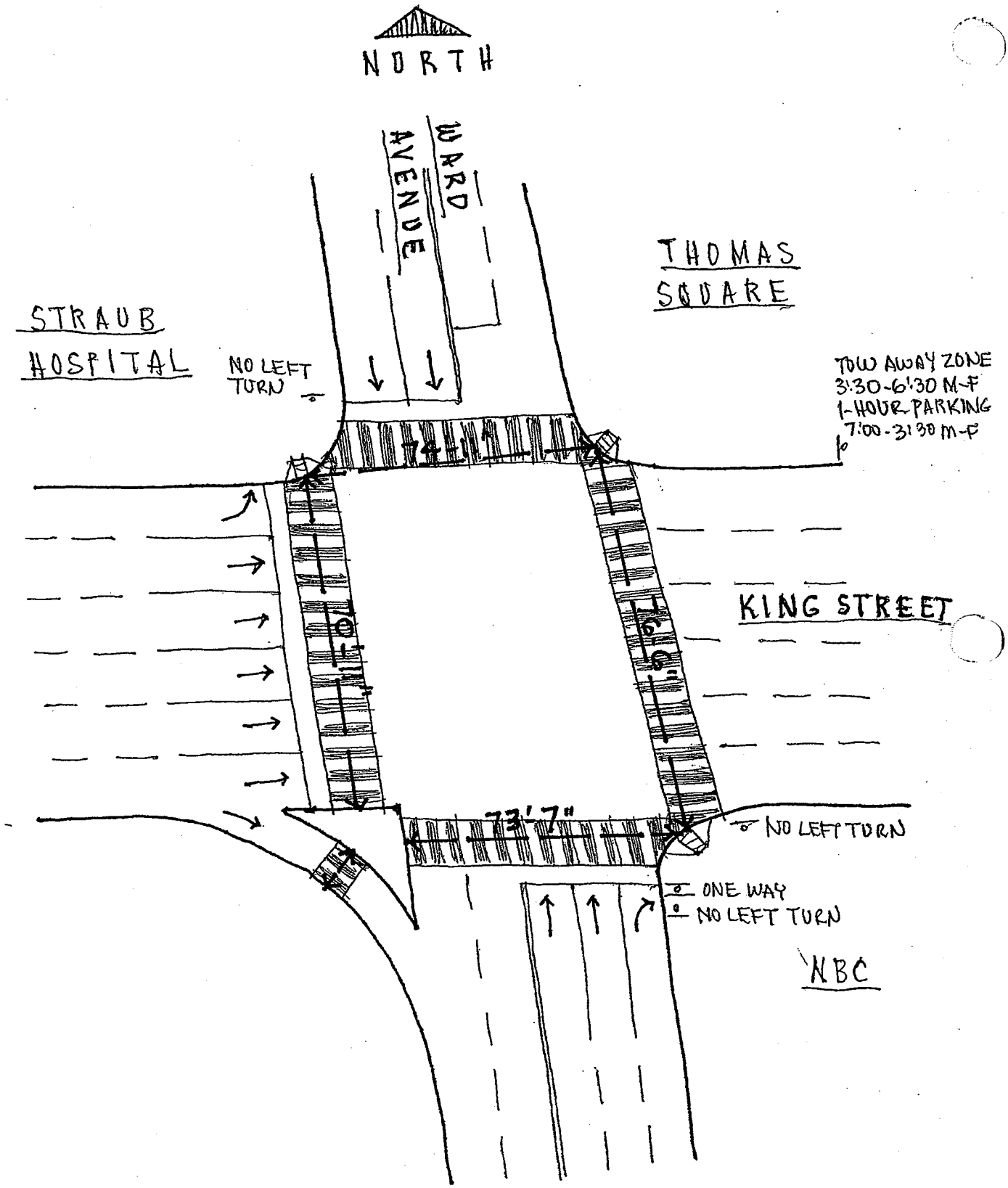
Counter:D4-3488, D1-0525
Counted:SW, JY
Weather:Clear

File Name : KinWar PM
Site Code : 00000002
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					King Street Westbound					Ward Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	203	0	20	223	0	0	0	42	42	0	105	79	42	226	79	681	15	25	800	1291
04:15 PM	0	243	0	27	270	0	0	0	26	26	0	117	103	36	256	107	705	24	24	860	1412
04:30 PM	0	221	0	33	254	0	0	0	61	61	0	121	98	36	255	54	677	32	6	769	1339
04:45 PM	0	182	0	14	196	0	0	0	13	13	0	100	109	38	247	63	732	23	0	818	1274
Total	0	849	0	94	943	0	0	0	142	142	0	443	389	152	984	303	2795	94	55	3247	5316
05:00 PM	0	164	0	19	183	0	0	0	23	23	0	108	92	45	245	71	627	22	19	739	1190
05:15 PM	0	161	0	0	161	0	0	0	30	30	0	115	130	35	280	35	685	29	7	756	1227
05:30 PM	0	253	0	4	257	0	0	0	17	17	0	121	99	30	250	51	674	17	10	752	1276
05:45 PM	0	201	0	0	201	0	0	0	21	21	0	113	112	33	258	66	504	21	3	594	1074
Total	0	779	0	23	802	0	0	0	91	91	0	457	433	143	1033	223	2490	89	39	2841	4767
Grand Total	0	1628	0	117	1745	0	0	0	233	233	0	900	822	295	2017	526	5285	183	94	6088	10083
Apprch %	0	93.3	0	6.7		0	0	0	100		0	44.6	40.8	14.6		8.6	86.8	3	1.5		
Total %	0	16.1	0	1.2	17.3	0	0	0	2.3	2.3	0	8.9	8.2	2.9	20	5.2	52.4	1.8	0.9	60.4	

	Ward Avenue Southbound					King Street Westbound					Ward Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	203	0	20	223	0	0	0	42	42	0	105	79	**42**	226	79	681	15	**25**	800	1291
04:15 PM	0	**243**	0	27	**270**	0	0	0	26	26	0	117	103	36	**256**	**107**	705	24	24	**860**	**1412**
04:30 PM	0	221	0	**33**	254	0	0	0	**61**	**61**	0	**121**	98	36	255	54	677	**32**	6	769	1339
04:45 PM	0	182	0	14	196	0	0	0	13	13	0	100	**109**	38	247	63	**732**	23	0	818	1274
Total Volume	0	849	0	94	943	0	0	0	142	142	0	443	389	152	984	303	2795	94	55	3247	5316
% App. Total	0	90	0	10		0	0	0	100		0	45	39.5	15.4		9.3	86.1	2.9	1.7		
PHF	.000	.873	.000	.712	.873	.000	.000	.000	.582	.582	.000	.915	.892	.905	.961	.708	.955	.734	.550	.944	.941


NORTH
WARD AVENUE
THOMAS SQUARE
STRAUB HOSPITAL
NO LEFT TURN
TOW AWAY ZONE
3:30-6:30 M-F
1-HOUR PARKING
7:00-3:30 M-F
74'11"
KING STREET
76'11"
76'9"
73'7"
NO LEFT TURN
ONE WAY
NO LEFT TURN
NBC

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-3891
Counted:BT, JM
Weather:Clear

File Name : KinVic AM
Site Code : 00000003
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Victoria Street Southbound					King Street Westbound					NBC Parking Lot Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	18	25	0	14	57	0	0	0	18	18	0	1	0	10	11	42	261	25	9	337	423
06:45 AM	36	45	0	20	101	0	0	0	8	8	0	0	1	12	13	50	381	27	17	475	597
Total	54	70	0	34	158	0	0	0	26	26	0	1	1	22	24	92	642	52	26	812	1020
07:00 AM	51	36	0	22	109	0	0	0	10	10	0	1	0	13	14	58	455	30	11	554	687
07:15 AM	60	40	0	21	121	0	0	0	4	4	0	1	0	7	8	56	450	27	26	559	692
07:30 AM	83	40	0	14	137	0	0	0	5	5	0	2	2	9	13	73	447	17	44	581	736
07:45 AM	82	22	0	31	135	0	0	0	10	10	0	0	2	13	15	71	438	10	53	572	732
Total	276	138	0	88	502	0	0	0	29	29	0	4	4	42	50	258	1790	84	134	2266	2847
08:00 AM	90	24	0	22	136	0	0	0	9	9	0	0	0	6	6	45	408	27	37	517	668
08:15 AM	71	12	0	17	100	0	0	0	11	11	0	1	2	6	9	58	403	11	14	486	606
Grand Total	491	244	0	161	896	0	0	0	75	75	0	6	7	76	89	453	3243	174	211	4081	5141
Apprch %	54.8	27.2	0	18		0	0	0	100		0	6.7	7.9	85.4		11.1	79.5	4.3	5.2		
Total %	9.6	4.7	0	3.1	17.4	0	0	0	1.5	1.5	0	0.1	0.1	1.5	1.7	8.8	63.1	3.4	4.1	79.4	

	Victoria Street Southbound					King Street Westbound					NBC Parking Lot Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	51	36	0	22	109	0	0	0	**10**	**10**	0	1	0	**13**	14	58	**455**	**30**	11	554	687
07:15 AM	60	**40**	0	21	121	0	0	0	4	4	0	1	0	7	8	56	450	27	26	559	692
07:30 AM	**83**	40	0	14	**137**	0	0	0	5	5	0	**2**	**2**	9	13	**73**	447	17	44	**581**	**736**
07:45 AM	82	22	0	**31**	135	0	0	0	10	10	0	0	2	13	**15**	71	438	10	53	572	732
Total Volume	276	138	0	88	502	0	0	0	29	29	0	4	4	42	50	258	1790	84	134	2266	2847
% App. Total	55	27.5	0	17.5		0	0	0	100		0	8	8	84		11.4	79	3.7	5.9		
PHF	.831	.863	.000	.710	.916	.000	.000	.000	.725	.725	.000	.500	.500	.808	.833	.884	.984	.700	.632	.975	.967

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-3890
Counted:JM, BT
Weather:Clear

File Name : KinVic MIDDAY
Site Code : 00000000
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Victoria Street Southbound					King Street Westbound					NBC Parking Lot Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	34	7	0	7	48	0	0	0	6	6	0	3	1	2	6	37	302	0	0	339	399
11:15 AM	77	7	0	52	136	0	0	0	2	2	0	9	13	5	27	43	452	3	5	503	668
11:30 AM	96	3	0	169	268	0	0	0	5	5	0	14	8	8	30	47	482	2	12	543	846
11:45 AM	120	1	0	13	134	0	0	0	9	9	0	4	6	9	19	53	462	1	24	540	702
Total	327	18	0	241	586	0	0	0	22	22	0	30	28	24	82	180	1698	6	41	1925	2615
12:00 PM	123	9	0	6	138	0	0	0	8	8	0	3	4	2	9	59	417	0	1	477	632
12:15 PM	76	2	0	15	93	0	0	0	16	16	0	6	1	7	14	46	422	3	7	478	601
12:30 PM	101	3	0	19	123	0	0	0	11	11	0	4	3	3	10	52	396	2	0	450	594
12:45 PM	86	10	0	10	106	0	0	0	8	8	0	6	4	6	16	53	345	1	3	402	532
Total	386	24	0	50	460	0	0	0	43	43	0	19	12	18	49	210	1580	6	11	1807	2359
Grand Total	713	42	0	291	1046	0	0	0	65	65	0	49	40	42	131	390	3278	12	52	3732	4974
Apprch %	68.2	4	0	27.8		0	0	0	100		0	37.4	30.5	32.1		10.5	87.8	0.3	1.4		
Total %	14.3	0.8	0	5.9	21	0	0	0	1.3	1.3	0	1	0.8	0.8	2.6	7.8	65.9	0.2	1	75	

	Victoria Street Southbound					King Street Westbound					NBC Parking Lot Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	77	7	0	52	136	0	0	0	2	2	0	9	**13**	5	27	43	452	**3**	5	503	668
11:30 AM	96	3	0	**169**	**268**	0	0	0	5	5	0	**14**	8	8	**30**	47	**482**	2	12	**543**	**846**
11:45 AM	120	1	0	13	134	0	0	0	**9**	**9**	0	4	6	**9**	19	53	462	1	**24**	540	702
12:00 PM	**123**	**9**	0	6	138	0	0	0	8	8	0	3	4	2	9	**59**	417	0	1	477	632
Total Volume	416	20	0	240	676	0	0	0	24	24	0	30	31	24	85	202	1813	6	42	2063	2848
% App. Total	61.5	3	0	35.5		0	0	0	100		0	35.3	36.5	28.2		9.8	87.9	0.3	2		
PHF	.846	.556	.000	.355	.631	.000	.000	.000	.667	.667	.000	.536	.596	.667	.708	.856	.940	.500	.438	.950	.842

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

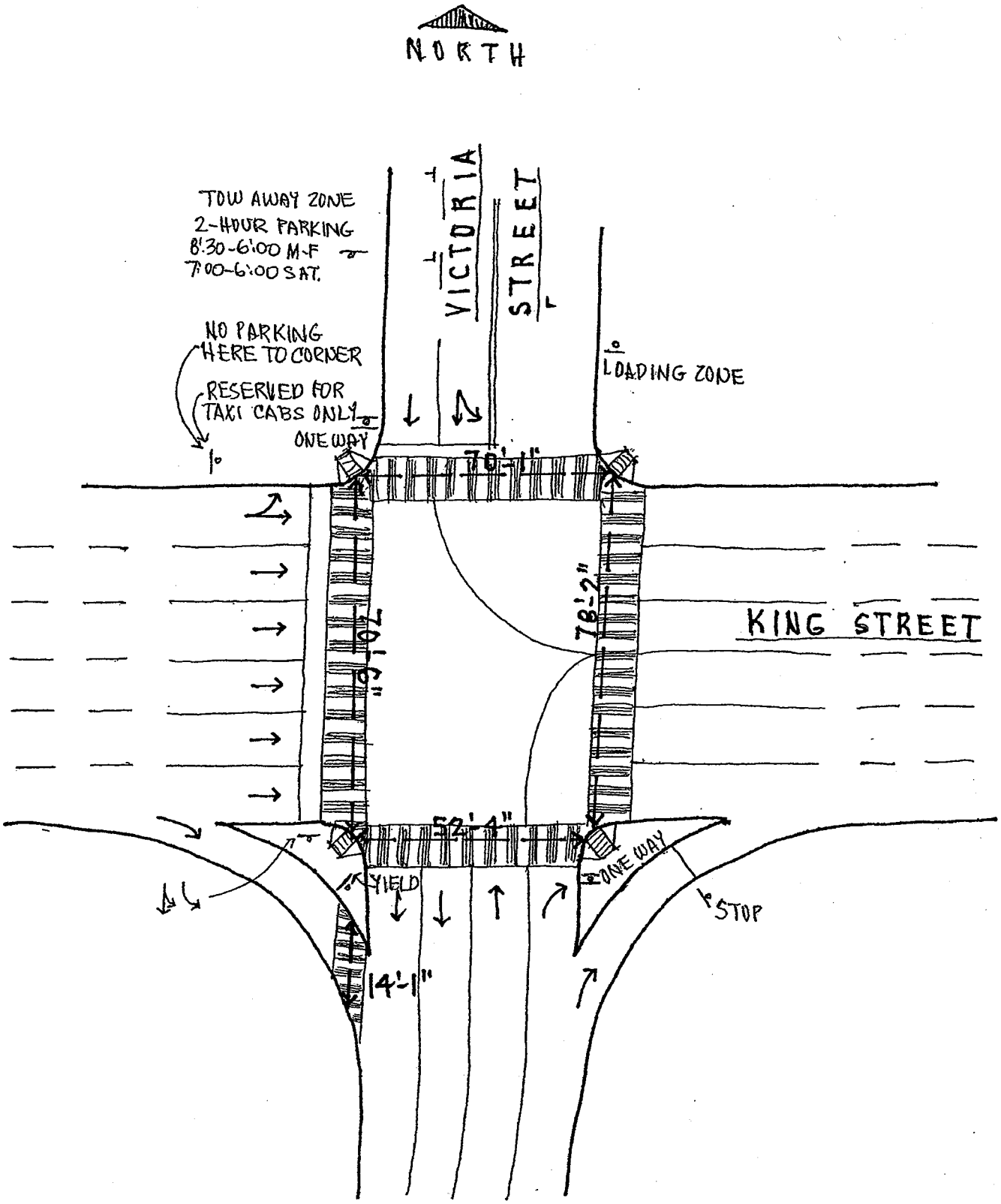
Counter:D4-3890, D4-3891
Counted:BT, JM
Weather:Clear

File Name : KinVic PM
Site Code : 00000003
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Victoria Street Southbound					King Street Westbound					NBC Parking Lot Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	34	3	0	30	67	0	0	0	11	11	0	38	10	20	68	85	704	1	21	811	957
04:15 PM	38	1	0	12	51	0	0	0	13	13	0	28	14	13	55	101	648	1	7	757	876
04:30 PM	38	0	0	22	60	0	0	0	20	20	0	32	24	20	76	106	757	0	19	882	1038
04:45 PM	22	1	0	16	39	0	0	0	16	16	0	34	22	20	76	149	778	1	13	941	1072
Total	132	5	0	80	217	0	0	0	60	60	0	132	70	73	275	441	2887	3	60	3391	3943
05:00 PM	23	1	0	15	39	0	0	0	13	13	0	20	24	12	56	141	726	5	15	887	995
05:15 PM	30	0	0	10	40	0	0	0	7	7	0	22	17	13	52	114	730	4	9	857	956
05:30 PM	33	3	0	19	55	0	0	0	6	6	0	18	5	6	29	97	695	4	17	813	903
05:45 PM	22	2	0	8	32	0	0	0	7	7	0	19	8	10	37	76	521	2	8	607	683
Total	108	6	0	52	166	0	0	0	33	33	0	79	54	41	174	428	2672	15	49	3164	3537
Grand Total	240	11	0	132	383	0	0	0	93	93	0	211	124	114	449	869	5559	18	109	6555	7480
Apprch %	62.7	2.9	0	34.5		0	0	0	100		0	47	27.6	25.4		13.3	84.8	0.3	1.7		
Total %	3.2	0.1	0	1.8	5.1	0	0	0	1.2	1.2	0	2.8	1.7	1.5	6	11.6	74.3	0.2	1.5	87.6	

	Victoria Street Southbound					King Street Westbound					NBC Parking Lot Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	**38**	0	0	**22**	**60**	0	0	0	**20**	**20**	0	32	**24**	**20**	**76**	106	757	0	**19**	882	1038
04:45 PM	22	**1**	0	16	39	0	0	0	16	16	0	**34**	22	20	76	**149**	**778**	1	13	**941**	**1072**
05:00 PM	23	1	0	15	39	0	0	0	13	13	0	20	24	12	56	141	726	**5**	15	887	995
05:15 PM	30	0	0	10	40	0	0	0	7	7	0	22	17	13	52	114	730	4	9	857	956
Total Volume	113	2	0	63	178	0	0	0	56	56	0	108	87	65	260	510	2991	10	56	3567	4061
% App. Total	63.5	1.1	0	35.4		0	0	0	100		0	41.5	33.5	25		14.3	83.9	0.3	1.6		
PHF	.743	.500	.000	.716	.742	.000	.000	.000	.700	.700	.000	.794	.906	.813	.855	.856	.961	.500	.737	.948	.947



NBC PARKING LOT

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-3889
Counted:ZW, JH
Weather:Clear

File Name : KinPen AM
Site Code : 00000005
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					King Street Westbound					Pensacola Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	63	127	0	11	201	0	0	0	1	1	0	0	0	11	11	0	261	22	18	301	514
06:45 AM	89	167	0	14	270	0	0	0	3	3	0	0	0	5	5	0	384	41	12	437	715
Total	152	294	0	25	471	0	0	0	4	4	0	0	0	16	16	0	645	63	30	738	1229
07:00 AM	82	182	0	27	291	0	0	0	13	13	0	0	0	18	18	0	480	36	42	558	880
07:15 AM	90	181	0	15	286	0	0	0	21	21	0	0	0	25	25	0	469	40	36	545	877
07:30 AM	94	220	0	25	339	0	0	0	19	19	0	0	0	5	5	0	487	50	24	561	924
07:45 AM	125	285	0	38	448	0	0	0	26	26	0	0	0	18	18	0	463	56	80	599	1091
Total	391	868	0	105	1364	0	0	0	79	79	0	0	0	66	66	0	1899	182	182	2263	3772
08:00 AM	117	297	0	42	456	0	0	0	15	15	0	0	0	17	17	0	438	89	58	585	1073
08:15 AM	97	227	0	18	342	0	0	0	8	8	0	0	0	8	8	0	412	61	30	503	861
Grand Total	757	1686	0	190	2633	0	0	0	106	106	0	0	0	107	107	0	3394	395	300	4089	6935
Apprch %	28.8	64	0	7.2		0	0	0	100		0	0	0	100		0	83	9.7	7.3		
Total %	10.9	24.3	0	2.7	38	0	0	0	1.5	1.5	0	0	0	1.5	1.5	0	48.9	5.7	4.3	59	

	Pensacola Street Southbound					King Street Westbound					Pensacola Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	90	181	0	15	286	0	0	0	21	21	0	0	0	**25**	**25**	0	469	40	36	545	877
07:30 AM	94	220	0	25	339	0	0	0	19	19	0	0	0	5	5	0	**487**	50	24	561	924
07:45 AM	**125**	285	0	38	448	0	0	0	**26**	**26**	0	0	0	18	18	0	463	56	**80**	**599**	**1091**
08:00 AM	117	**297**	0	**42**	**456**	0	0	0	15	15	0	0	0	17	17	0	438	**89**	58	585	1073
Total Volume	426	983	0	120	1529	0	0	0	81	81	0	0	0	65	65	0	1857	235	198	2290	3965
% App. Total	27.9	64.3	0	7.8		0	0	0	100		0	0	0	100		0	81.1	10.3	8.6		
PHF	.852	.827	.000	.714	.838	.000	.000	.000	.779	.779	.000	.000	.000	.650	.650	.000	.953	.660	.619	.956	.909

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839/D4-3889
Counted:ZW/LE
Weather:Clear

File Name : KinPen MIDDAY
Site Code : 00000005
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					King Street Westbound					Pensacola Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	108	280	0	15	403	0	0	0	10	10	0	0	0	8	8	0	449	64	19	532	953
11:15 AM	102	248	0	10	360	0	0	0	13	13	0	0	0	8	8	0	454	74	35	563	944
11:30 AM	100	258	0	30	388	0	0	0	13	13	0	0	0	6	6	0	487	87	27	601	1008
11:45 AM	102	239	0	19	360	0	0	0	15	15	0	0	0	19	19	0	446	83	53	582	976
Total	412	1025	0	74	1511	0	0	0	51	51	0	0	0	41	41	0	1836	308	134	2278	3881
12:00 PM	135	239	0	30	404	0	0	0	23	23	0	0	0	27	27	0	467	77	33	577	1031
12:15 PM	117	252	0	15	384	0	0	0	18	18	0	0	0	19	19	0	413	63	56	532	953
12:30 PM	114	268	0	4	386	0	0	0	7	7	0	0	0	12	12	0	409	73	45	527	932
12:45 PM	128	266	0	12	406	0	0	0	14	14	0	0	0	16	16	0	356	50	28	434	870
Total	494	1025	0	61	1580	0	0	0	62	62	0	0	0	74	74	0	1645	263	162	2070	3786
Grand Total	906	2050	0	135	3091	0	0	0	113	113	0	0	0	115	115	0	3481	571	296	4348	7667
Apprch %	29.3	66.3	0	4.4		0	0	0	100		0	0	0	100		0	80.1	13.1	6.8		
Total %	11.8	26.7	0	1.8	40.3	0	0	0	1.5	1.5	0	0	0	1.5	1.5	0	45.4	7.4	3.9	56.7	

	Pensacola Street Southbound					King Street Westbound					Pensacola Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	100	**258**	0	**30**	388	0	0	0	13	13	0	0	0	6	6	0	**487**	**87**	27	**601**	1008
11:45 AM	102	239	0	19	360	0	0	0	15	15	0	0	0	19	19	0	446	83	53	582	976
12:00 PM	**135**	239	0	30	**404**	0	0	0	**23**	**23**	0	0	0	**27**	**27**	0	467	77	33	577	**1031**
12:15 PM	117	252	0	15	384	0	0	0	18	18	0	0	0	19	19	0	413	63	**56**	532	953
Total Volume	454	988	0	94	1536	0	0	0	69	69	0	0	0	71	71	0	1813	310	169	2292	3968
% App. Total	29.6	64.3	0	6.1		0	0	0	100		0	0	0	100		0	79.1	13.5	7.4		
PHF	.841	.957	.000	.783	.950	.000	.000	.000	.750	.750	.000	.000	.000	.657	.657	.000	.931	.891	.754	.953	.962

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-3889
Counted:ZW, LE
Weather:Clear

File Name : KinPen PM
Site Code : 00000005
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					King Street Westbound					Pensacola Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	93	269	0	7	369	0	0	0	5	5	0	0	0	17	17	0	702	45	26	773	1164
04:15 PM	54	272	0	16	342	0	0	0	6	6	0	0	0	16	16	0	756	59	34	849	1213
04:30 PM	78	267	0	8	353	0	0	0	11	11	0	0	0	16	16	0	760	57	25	842	1222
04:45 PM	72	267	0	13	352	0	0	0	20	20	0	0	0	24	24	0	874	38	12	924	1320
Total	297	1075	0	44	1416	0	0	0	42	42	0	0	0	73	73	0	3092	199	97	3388	4919
05:00 PM	70	269	0	9	348	0	0	0	12	12	0	0	0	12	12	0	868	32	11	911	1283
05:15 PM	61	305	0	10	376	0	0	0	10	10	0	0	0	19	19	0	820	35	17	872	1277
05:30 PM	66	295	0	8	369	0	0	0	11	11	0	0	0	17	17	0	640	40	6	686	1083
05:45 PM	58	278	0	16	352	0	0	0	6	6	0	0	0	17	17	0	618	44	25	687	1062
Total	255	1147	0	43	1445	0	0	0	39	39	0	0	0	65	65	0	2946	151	59	3156	4705
Grand Total	552	2222	0	87	2861	0	0	0	81	81	0	0	0	138	138	0	6038	350	156	6544	9624
Apprch %	19.3	77.7	0	3		0	0	0	100		0	0	0	100		0	92.3	5.3	2.4		
Total %	5.7	23.1	0	0.9	29.7	0	0	0	0.8	0.8	0	0	0	1.4	1.4	0	62.7	3.6	1.6	68	

	Pensacola Street Southbound					King Street Westbound					Pensacola Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	**78**	267	0	8	353	0	0	0	11	11	0	0	0	16	16	0	760	**57**	**25**	842	1222
04:45 PM	72	267	0	**13**	352	0	0	0	**20**	**20**	0	0	0	**24**	**24**	0	**874**	38	12	**924**	**1320**
05:00 PM	70	269	0	9	348	0	0	0	12	12	0	0	0	12	12	0	868	32	11	911	1283
05:15 PM	61	**305**	0	10	**376**	0	0	0	10	10	0	0	0	19	19	0	820	35	17	872	1277
Total Volume	281	1108	0	40	1429	0	0	0	53	53	0	0	0	71	71	0	3322	162	65	3549	5102
% App. Total	19.7	77.5	0	2.8		0	0	0	100		0	0	0	100		0	93.6	4.6	1.8		
PHF	.901	.908	.000	.769	.950	.000	.000	.000	.663	.663	.000	.000	.000	.740	.740	.000	.950	.711	.650	.960	.966

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

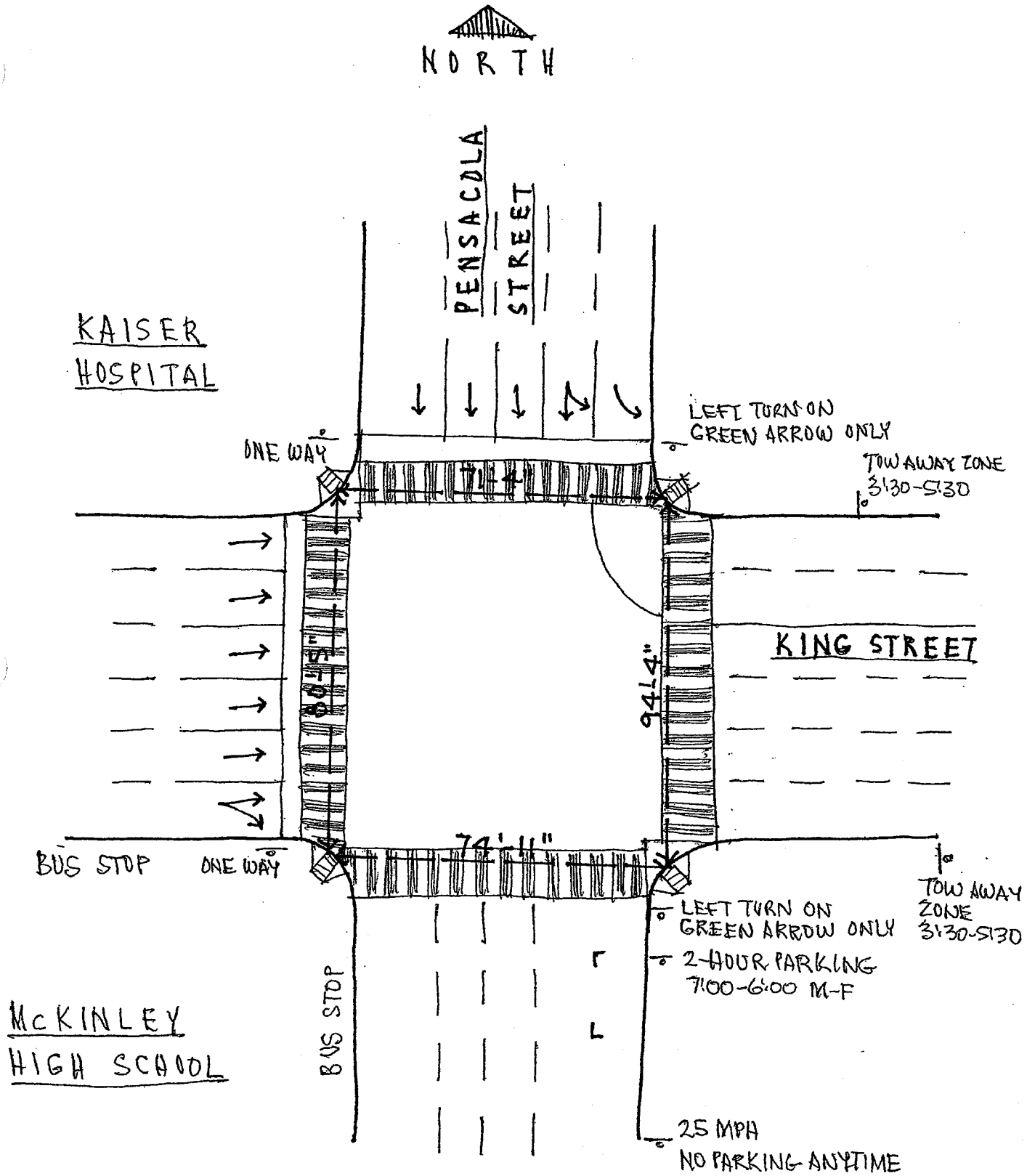
Counter:D4-3889, D4-3891
Counted:ER, DY
Weather:Clear

File Name : KinPen MIDDAY
Site Code : 00000005
Start Date : 5/17/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					King Street Westbound					Pensacola Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	108	324	0	7	439	0	0	0	8	8	0	0	0	4	4	0	397	69	27	493	944
11:15 AM	123	301	0	8	432	0	0	0	7	7	0	0	0	3	3	0	387	57	19	463	905
11:30 AM	100	275	0	6	381	0	0	0	7	7	0	0	0	8	8	0	416	57	13	486	882
11:45 AM	103	305	0	4	412	0	0	0	6	6	0	0	0	6	6	0	417	70	24	511	935
Total	434	1205	0	25	1664	0	0	0	28	28	0	0	0	21	21	0	1617	253	83	1953	3666
12:00 PM	120	275	0	5	400	0	0	0	4	4	0	0	0	4	4	0	416	76	26	518	926
12:15 PM	117	265	0	6	388	0	0	0	6	6	0	0	0	10	10	0	450	69	16	535	939
12:30 PM	112	275	0	7	394	0	0	0	14	14	0	0	0	16	16	0	487	59	23	569	993
12:45 PM	124	269	0	10	403	0	0	0	13	13	0	0	0	14	14	0	438	52	22	512	942
Total	473	1084	0	28	1585	0	0	0	37	37	0	0	0	44	44	0	1791	256	87	2134	3800
Grand Total	907	2289	0	53	3249	0	0	0	65	65	0	0	0	65	65	0	3408	509	170	4087	7466
Apprch %	27.9	70.5	0	1.6		0	0	0	100		0	0	0	100		0	83.4	12.5	4.2		
Total %	12.1	30.7	0	0.7	43.5	0	0	0	0.9	0.9	0	0	0	0.9	0.9	0	45.6	6.8	2.3	54.7	

	Pensacola Street Southbound					King Street Westbound					Pensacola Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	120	**275**	0	5	400	0	0	0	4	4	0	0	0	4	4	0	416	**76**	**26**	518	926
12:15 PM	117	265	0	6	388	0	0	0	6	6	0	0	0	10	10	0	450	69	16	535	939
12:30 PM	112	275	0	7	394	0	0	0	**14**	**14**	0	0	0	**16**	**16**	0	**487**	59	23	**569**	**993**
12:45 PM	**124**	269	0	**10**	**403**	0	0	0	13	13	0	0	0	14	14	0	438	52	22	512	942
Total Volume	473	1084	0	28	1585	0	0	0	37	37	0	0	0	44	44	0	1791	256	87	2134	3800
% App. Total	29.8	68.4	0	1.8		0	0	0	100		0	0	0	100		0	83.9	12	4.1		
PHF	.954	.985	.000	.700	.983	.000	.000	.000	.661	.661	.000	.000	.000	.688	.688	.000	.919	.842	.837	.938	.957


NORTH
PENSACOLA STREET
KAISER HOSPITAL
LEFT TURN ON GREEN ARROW ONLY
ONE WAY
TOW AWAY ZONE 3:30-5:30
71'4"
KING STREET
94'4"
BUS STOP
ONE WAY
74'11"
TOW AWAY ZONE 3:30-5:30
LEFT TURN ON GREEN ARROW ONLY
2-HOUR PARKING 7:00-6:00 M-F
BUS STOP
McKINLEY HIGH SCHOOL
25 MPH
NO PARKING ANYTIME

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter: D4-5671, D4-5671
Counted:VT, RB
Weather:Clear

File Name : KinPii AM
Site Code : 00000006
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					King Street Westbound					Piikoi Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	2	2	0	0	0	4	4	0	195	14	13	222	29	282	0	28	339	567
06:45 AM	0	0	0	1	1	0	0	0	2	2	0	210	30	12	252	31	304	0	25	360	615
Total	0	0	0	3	3	0	0	0	6	6	0	405	44	25	474	60	586	0	53	699	1182
07:00 AM	0	0	0	6	6	0	0	0	8	8	0	268	50	12	330	57	422	0	23	502	846
07:15 AM	0	0	0	11	11	0	0	0	13	13	0	303	43	11	357	68	370	0	23	461	842
07:30 AM	0	0	0	16	16	0	0	0	8	8	0	273	67	29	369	78	466	0	50	594	987
07:45 AM	0	0	0	10	10	0	0	0	10	10	0	244	55	31	330	53	474	0	39	566	916
Total	0	0	0	43	43	0	0	0	39	39	0	1088	215	83	1386	256	1732	0	135	2123	3591
08:00 AM	0	0	0	5	5	0	0	0	15	15	0	255	51	20	326	67	405	0	20	492	838
08:15 AM	0	0	0	7	7	0	0	0	9	9	0	226	30	15	271	67	376	0	29	472	759
Grand Total	0	0	0	58	58	0	0	0	69	69	0	1974	340	143	2457	450	3099	0	237	3786	6370
Apprch %	0	0	0	100		0	0	0	100		0	80.3	13.8	5.8		11.9	81.9	0	6.3		
Total %	0	0	0	0.9	0.9	0	0	0	1.1	1.1	0	31	5.3	2.2	38.6	7.1	48.6	0	3.7	59.4	

	Piikoi Street Southbound					King Street Westbound					Piikoi Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	0	0	6	6	0	0	0	8	8	0	268	50	12	330	57	422	0	23	502	846
07:15 AM	0	0	0	11	11	0	0	0	**13**	**13**	0	**303**	43	11	357	68	370	0	23	461	842
07:30 AM	0	0	0	**16**	**16**	0	0	0	8	8	0	273	**67**	29	**369**	**78**	466	0	**50**	**594**	**987**
07:45 AM	0	0	0	10	10	0	0	0	10	10	0	244	55	**31**	330	53	**474**	0	39	566	916
Total Volume	0	0	0	43	43	0	0	0	39	39	0	1088	215	83	1386	256	1732	0	135	2123	3591
% App. Total	0	0	0	100		0	0	0	100		0	78.5	15.5	6		12.1	81.6	0	6.4		
PHF	.000	.000	.000	.672	.672	.000	.000	.000	.750	.750	.000	.898	.802	.669	.939	.821	.914	.000	.675	.894	.910

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-6774, D4-5671
Counted:EK, MM
Weather:Clear

File Name : KinPii MIDDAY
Site Code : 00000006
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					King Street Westbound					Piikoi Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	18	18	0	0	0	17	17	0	351	62	14	427	70	527	0	11	608	1070
11:15 AM	0	0	0	9	9	0	0	0	7	7	0	335	73	12	420	110	492	0	19	621	1057
11:30 AM	0	0	0	16	16	0	0	0	14	14	0	343	63	13	419	92	578	0	10	680	1129
11:45 AM	0	0	0	10	10	0	0	0	11	11	0	355	67	16	438	74	562	0	13	649	1108
Total	0	0	0	53	53	0	0	0	49	49	0	1384	265	55	1704	346	2159	0	53	2558	4364
12:00 PM	0	0	0	19	19	0	0	0	8	8	0	416	92	18	526	89	548	0	15	652	1205
12:15 PM	0	0	0	15	15	0	0	0	20	20	0	314	69	12	395	96	477	0	8	581	1011
12:30 PM	0	0	0	22	22	0	0	0	14	14	0	333	57	17	407	81	494	0	14	589	1032
12:45 PM	0	0	0	17	17	0	0	0	10	10	0	355	67	23	445	77	444	0	13	534	1006
Total	0	0	0	73	73	0	0	0	52	52	0	1418	285	70	1773	343	1963	0	50	2356	4254
Grand Total	0	0	0	126	126	0	0	0	101	101	0	2802	550	125	3477	689	4122	0	103	4914	8618
Apprch %	0	0	0	100		0	0	0	100		0	80.6	15.8	3.6		14	83.9	0	2.1		
Total %	0	0	0	1.5	1.5	0	0	0	1.2	1.2	0	32.5	6.4	1.5	40.3	8	47.8	0	1.2	57	

	Piikoi Street Southbound					King Street Westbound					Piikoi Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	0	0	0	9	9	0	0	0	7	7	0	335	73	12	420	**110**	492	0	**19**	621	1057
11:30 AM	0	0	0	16	16	0	0	0	**14**	**14**	0	343	63	13	419	92	**578**	0	10	**680**	1129
11:45 AM	0	0	0	10	10	0	0	0	11	11	0	355	67	16	438	74	562	0	13	649	1108
12:00 PM	0	0	0	**19**	**19**	0	0	0	8	8	0	**416**	**92**	**18**	**526**	89	548	0	15	652	**1205**
Total Volume	0	0	0	54	54	0	0	0	40	40	0	1449	295	59	1803	365	2180	0	57	2602	4499
% App. Total	0	0	0	100		0	0	0	100		0	80.4	16.4	3.3		14	83.8	0	2.2		
PHF	.000	.000	.000	.711	.711	.000	.000	.000	.714	.714	.000	.871	.802	.819	.857	.830	.943	.000	.750	.957	.933

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter: D4-5674, D4-5671
Counted:RB, MM
Weather:Clear

File Name : KinPii PM
Site Code : 00000006
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					King Street Westbound					Piikoi Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	11	11	0	0	0	17	17	0	369	69	14	452	100	637	0	22	759	1239
04:15 PM	0	0	0	17	17	0	0	0	15	15	0	399	77	11	487	113	674	0	13	800	1319
04:30 PM	0	0	0	15	15	0	0	0	19	19	0	419	68	22	509	117	721	0	16	854	1397
04:45 PM	0	0	0	21	21	0	0	0	13	13	0	383	75	18	476	67	687	0	16	770	1280
Total	0	0	0	64	64	0	0	0	64	64	0	1570	289	65	1924	397	2719	0	67	3183	5235
05:00 PM	0	0	0	20	20	0	0	0	25	25	0	491	91	25	607	104	730	0	24	858	1510
05:15 PM	0	0	0	18	18	0	0	0	19	19	0	468	80	16	564	104	789	0	19	912	1513
05:30 PM	0	0	0	22	22	0	0	0	28	28	0	413	83	31	527	95	670	0	29	794	1371
05:45 PM	0	0	0	27	27	0	0	0	21	21	0	404	72	21	497	99	571	0	35	705	1250
Total	0	0	0	87	87	0	0	0	93	93	0	1776	326	93	2195	402	2760	0	107	3269	5644
Grand Total	0	0	0	151	151	0	0	0	157	157	0	3346	615	158	4119	799	5479	0	174	6452	10879
Apprch %	0	0	0	100		0	0	0	100		0	81.2	14.9	3.8		12.4	84.9	0	2.7		
Total %	0	0	0	1.4	1.4	0	0	0	1.4	1.4	0	30.8	5.7	1.5	37.9	7.3	50.4	0	1.6	59.3	

	Piikoi Street Southbound					King Street Westbound					Piikoi Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	0	0	15	15	0	0	0	19	19	0	419	68	22	509	**117**	721	0	16	854	1397
04:45 PM	0	0	0	**21**	**21**	0	0	0	13	13	0	383	75	18	476	67	687	0	16	770	1280
05:00 PM	0	0	0	20	20	0	0	0	**25**	**25**	0	**491**	**91**	**25**	**607**	104	730	0	**24**	858	1510
05:15 PM	0	0	0	18	18	0	0	0	19	19	0	468	80	16	564	104	**789**	0	19	**912**	**1513**
Total Volume	0	0	0	74	74	0	0	0	76	76	0	1761	314	81	2156	392	2927	0	75	3394	5700
% App. Total	0	0	0	100		0	0	0	100		0	81.7	14.6	3.8		11.5	86.2	0	2.2		
PHF	.000	.000	.000	.881	.881	.000	.000	.000	.760	.760	.000	.897	.863	.810	.888	.838	.927	.000	.781	.930	.942

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

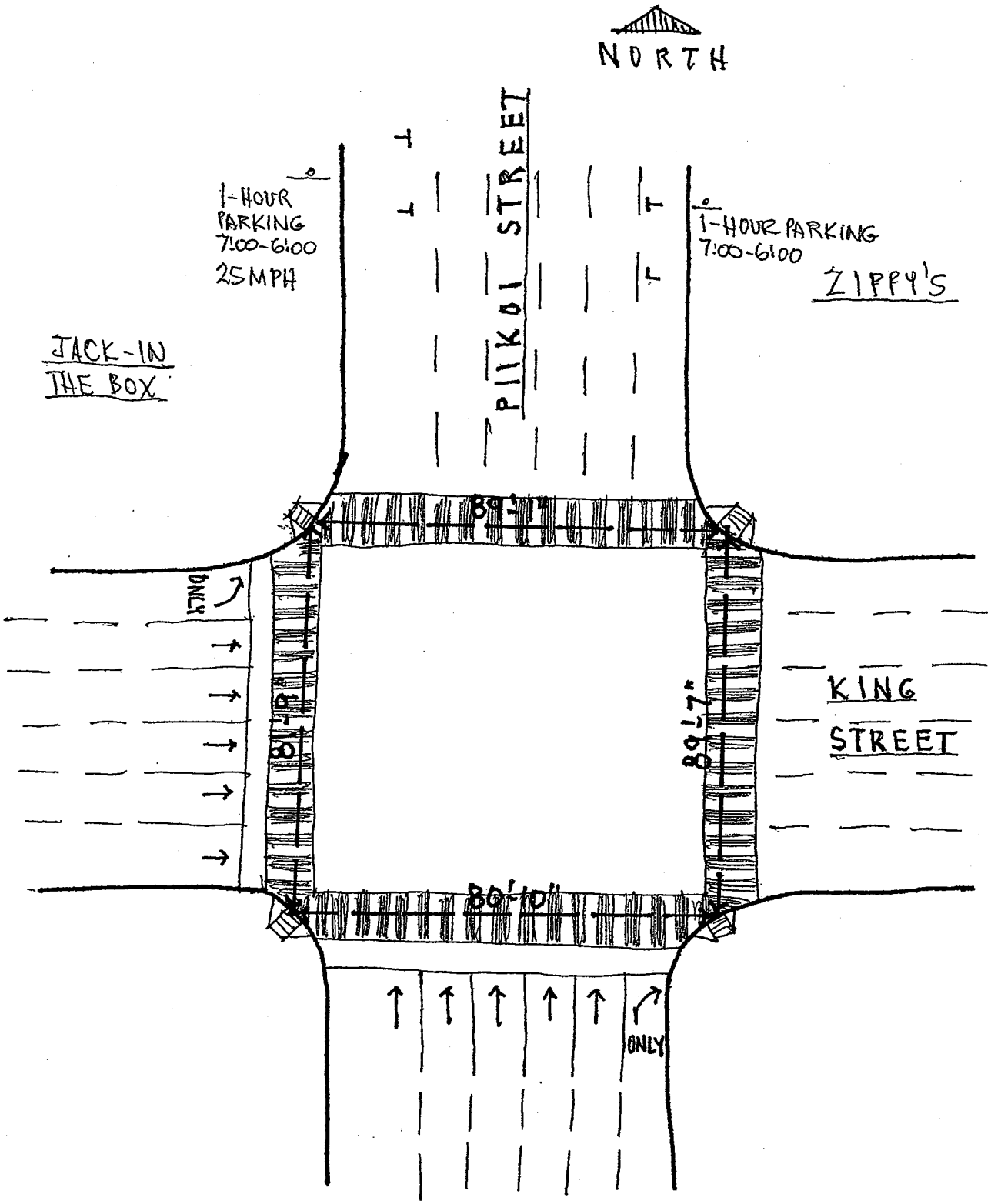
Counter:T-1839,D4-3890
Counted:ZW, ME
Weather:Clear

File Name : KinPii MIDDAY
Site Code : 00000006
Start Date : 5/17/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					King Street Westbound					Piikoi Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	1	1	0	0	0	3	3	0	401	45	1	447	104	520	0	6	630	1081
11:15 AM	0	0	0	2	2	0	0	0	2	2	0	395	52	0	447	112	565	0	10	687	1138
11:30 AM	0	0	0	1	1	0	0	0	3	3	0	463	48	7	518	73	665	0	4	742	1264
11:45 AM	0	0	0	2	2	0	0	0	7	7	0	377	69	12	458	93	572	0	10	675	1142
Total	0	0	0	6	6	0	0	0	15	15	0	1636	214	20	1870	382	2322	0	30	2734	4625
12:00 PM	0	0	0	1	1	0	0	0	9	9	0	422	83	10	515	103	557	0	9	669	1194
12:15 PM	0	0	0	3	3	0	0	0	2	2	0	443	55	6	504	95	632	0	3	730	1239
12:30 PM	0	0	0	6	6	0	0	0	2	2	0	502	99	8	609	78	646	0	10	734	1351
12:45 PM	0	0	0	2	2	0	0	0	8	8	0	387	74	18	479	77	612	0	5	694	1183
Total	0	0	0	12	12	0	0	0	21	21	0	1754	311	42	2107	353	2447	0	27	2827	4967
Grand Total	0	0	0	18	18	0	0	0	36	36	0	3390	525	62	3977	735	4769	0	57	5561	9592
Apprch %	0	0	0	100		0	0	0	100		0	85.2	13.2	1.6		13.2	85.8	0	1		
Total %	0	0	0	0.2	0.2	0	0	0	0.4	0.4	0	35.3	5.5	0.6	41.5	7.7	49.7	0	0.6	58	

	Piikoi Street Southbound					King Street Westbound					Piikoi Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	0	0	1	1	0	0	0	9	9	0	422	83	10	515	103	557	0	9	669	1194
12:15 PM	0	0	0	3	3	0	0	0	2	2	0	443	55	6	504	95	632	0	3	730	1239
12:30 PM	0	0	0	6	6	0	0	0	2	2	0	502	99	8	609	78	646	0	10	734	1351
12:45 PM	0	0	0	2	2	0	0	0	8	8	0	387	74	18	479	77	612	0	5	694	1183
Total Volume	0	0	0	12	12	0	0	0	21	21	0	1754	311	42	2107	353	2447	0	27	2827	4967
% App. Total	0	0	0	100		0	0	0	100		0	83.2	14.8	2		12.5	86.6	0	1		
PHF	.000	.000	.000	.500	.500	.000	.000	.000	.583	.583	.000	.874	.785	.583	.865	.857	.947	.000	.675	.963	.919


NORTH
PIIKOI STREET
1-HOUR PARKING 7:00-6:00
25 MPH
JACK-IN THE BOX
1-HOUR PARKING 7:00-6:00
ZIPPY'S
KING STREET
ONLY
ONLY

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D-0526, D4-5673
Counted:KK, DK
Weather:

File Name : KinKee AM
Site Code : 00000007
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					King Street Westbound					Keeaumoku Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	43	125	0	0	168	0	0	0	6	6	0	57	7	6	70	14	239	22	6	281	525
06:45 AM	44	146	0	5	195	0	0	0	18	18	0	68	18	27	113	42	308	33	8	391	717
Total	87	271	0	5	363	0	0	0	24	24	0	125	25	33	183	56	547	55	14	672	1242
07:00 AM	52	143	0	2	197	0	0	0	7	7	0	76	27	15	118	66	311	31	4	412	734
07:15 AM	69	192	0	3	264	0	0	0	13	13	0	76	23	18	117	52	352	25	12	441	835
07:30 AM	96	229	0	3	328	0	0	0	21	21	0	69	24	13	106	57	362	37	22	478	933
07:45 AM	74	235	0	3	312	0	0	0	19	19	0	63	20	19	102	41	364	39	7	451	884
Total	291	799	0	11	1101	0	0	0	60	60	0	284	94	65	443	216	1389	132	45	1782	3386
08:00 AM	64	265	0	12	341	0	0	0	13	13	0	59	23	13	95	36	304	29	17	386	835
08:15 AM	79	226	0	4	309	0	0	0	13	13	0	64	24	25	113	37	287	29	12	365	800
Grand Total	521	1561	0	32	2114	0	0	0	110	110	0	532	166	136	834	345	2527	245	88	3205	6263
Apprch %	24.6	73.8	0	1.5		0	0	0	100		0	63.8	19.9	16.3		10.8	78.8	7.6	2.7		
Total %	8.3	24.9	0	0.5	33.8	0	0	0	1.8	1.8	0	8.5	2.7	2.2	13.3	5.5	40.3	3.9	1.4	51.2	

	Keeaumoku Street Southbound					King Street Westbound					Keeaumoku Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	69	192	0	3	264	0	0	0	13	13	0	**76**	23	18	**117**	52	352	25	12	441	835
07:30 AM	**96**	229	0	3	328	0	0	0	**21**	**21**	0	69	**24**	13	106	**57**	362	37	**22**	**478**	**933**
07:45 AM	74	235	0	3	312	0	0	0	19	19	0	63	20	**19**	102	41	**364**	**39**	7	451	884
08:00 AM	64	**265**	0	**12**	**341**	0	0	0	13	13	0	59	23	13	95	36	304	29	17	386	835
Total Volume	303	921	0	21	1245	0	0	0	66	66	0	267	90	63	420	186	1382	130	58	1756	3487
% App. Total	24.3	74	0	1.7		0	0	0	100		0	63.6	21.4	15		10.6	78.7	7.4	3.3		
PHF	.789	.869	.000	.438	.913	.000	.000	.000	.786	.786	.000	.878	.938	.829	.897	.816	.949	.833	.659	.918	.934

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0526, D4-5673
Counted:KK, DK
Weather:Clear

File Name : KinKee Midday
Site Code : 00000007
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					King Street Westbound					Keeaumoku Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	58	219	0	1	278	0	0	0	11	11	0	138	43	15	196	65	342	38	10	455	940
11:15 AM	72	225	0	8	305	0	0	0	9	9	0	124	39	18	181	62	383	42	13	500	995
11:30 AM	53	236	0	6	295	0	0	0	21	21	0	125	38	22	185	42	386	32	12	472	973
11:45 AM	62	232	0	7	301	0	0	0	18	18	0	130	51	14	195	61	393	50	9	513	1027
Total	245	912	0	22	1179	0	0	0	59	59	0	517	171	69	757	230	1504	162	44	1940	3935
12:00 PM	68	206	0	6	280	0	0	0	35	35	0	108	32	18	158	85	395	45	20	545	1018
12:15 PM	55	234	0	9	298	0	0	0	17	17	0	139	64	19	222	68	331	41	15	455	992
12:30 PM	46	228	0	4	278	0	0	0	13	13	0	168	62	20	250	52	307	20	6	385	926
12:45 PM	61	227	0	4	292	0	0	0	20	20	0	132	49	13	194	60	321	36	12	429	935
Total	230	895	0	23	1148	0	0	0	85	85	0	547	207	70	824	265	1354	142	53	1814	3871
Grand Total	475	1807	0	45	2327	0	0	0	144	144	0	1064	378	139	1581	495	2858	304	97	3754	7806
Apprch %	20.4	77.7	0	1.9		0	0	0	100		0	67.3	23.9	8.8		13.2	76.1	8.1	2.6		
Total %	6.1	23.1	0	0.6	29.8	0	0	0	1.8	1.8	0	13.6	4.8	1.8	20.3	6.3	36.6	3.9	1.2	48.1	

	Keeaumoku Street Southbound					King Street Westbound					Keeaumoku Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	**72**	225	0	**8**	**305**	0	0	0	9	9	0	124	39	18	181	62	383	42	13	500	995
11:30 AM	53	**236**	0	6	295	0	0	0	21	21	0	125	38	**22**	185	42	386	32	12	472	973
11:45 AM	62	232	0	7	301	0	0	0	18	18	0	**130**	**51**	14	**195**	61	393	**50**	9	513	**1027**
12:00 PM	68	206	0	6	280	0	0	0	**35**	**35**	0	108	32	18	158	**85**	**395**	45	**20**	**545**	1018
Total Volume	255	899	0	27	1181	0	0	0	83	83	0	487	160	72	719	250	1557	169	54	2030	4013
% App. Total	21.6	76.1	0	2.3		0	0	0	100		0	67.7	22.3	10		12.3	76.7	8.3	2.7		
PHF	.885	.952	.000	.844	.968	.000	.000	.000	.593	.593	.000	.937	.784	.818	.922	.735	.985	.845	.675	.931	.977

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0526, D4-5673
Counted:AF, DK
Weather:Clear

File Name : KinKee PM
Site Code : 00000007
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					King Street Westbound					Keeaumoku Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	59	168	0	5	232	0	0	0	21	21	0	159	56	25	240	90	525	30	15	660	1153
04:15 PM	64	186	0	2	252	0	0	0	19	19	0	154	65	40	259	134	648	40	33	855	1385
04:30 PM	72	182	0	3	257	0	0	0	23	23	0	146	96	44	286	126	589	33	20	768	1334
04:45 PM	69	210	0	3	282	0	0	0	29	29	0	138	67	38	243	139	635	42	31	847	1401
Total	264	746	0	13	1023	0	0	0	92	92	0	597	284	147	1028	489	2397	145	99	3130	5273
05:00 PM	62	186	0	1	249	0	0	0	33	33	0	134	61	36	231	157	717	42	32	948	1461
05:15 PM	57	160	0	5	222	0	0	0	23	23	0	151	79	38	268	136	670	21	34	861	1374
05:30 PM	74	211	0	2	287	0	0	0	11	11	0	138	77	31	246	139	600	46	27	812	1356
05:45 PM	57	210	0	0	267	0	0	0	21	21	0	144	55	20	219	114	530	46	25	715	1222
Total	250	767	0	8	1025	0	0	0	88	88	0	567	272	125	964	546	2517	155	118	3336	5413
Grand Total	514	1513	0	21	2048	0	0	0	180	180	0	1164	556	272	1992	1035	4914	300	217	6466	10686
Apprch %	25.1	73.9	0	1		0	0	0	100		0	58.4	27.9	13.7		16	76	4.6	3.4		
Total %	4.8	14.2	0	0.2	19.2	0	0	0	1.7	1.7	0	10.9	5.2	2.5	18.6	9.7	46	2.8	2	60.5	

	Keeaumoku Street Southbound					King Street Westbound					Keeaumoku Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	69	210	0	3	282	0	0	0	29	29	0	138	67	**38**	243	139	635	42	31	847	1401
05:00 PM	62	186	0	1	249	0	0	0	**33**	**33**	0	134	61	36	231	**157**	**717**	42	32	**948**	**1461**
05:15 PM	57	160	0	**5**	222	0	0	0	23	23	0	**151**	**79**	38	**268**	136	670	21	**34**	861	1374
05:30 PM	**74**	**211**	0	2	**287**	0	0	0	11	11	0	138	77	31	246	139	600	**46**	27	812	1356
Total Volume	262	767	0	11	1040	0	0	0	96	96	0	561	284	143	988	571	2622	151	124	3468	5592
% App. Total	25.2	73.8	0	1.1		0	0	0	100		0	56.8	28.7	14.5		16.5	75.6	4.4	3.6		
PHF	.885	.909	.000	.550	.906	.000	.000	.000	.727	.727	.000	.929	.899	.941	.922	.909	.914	.821	.912	.915	.957

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

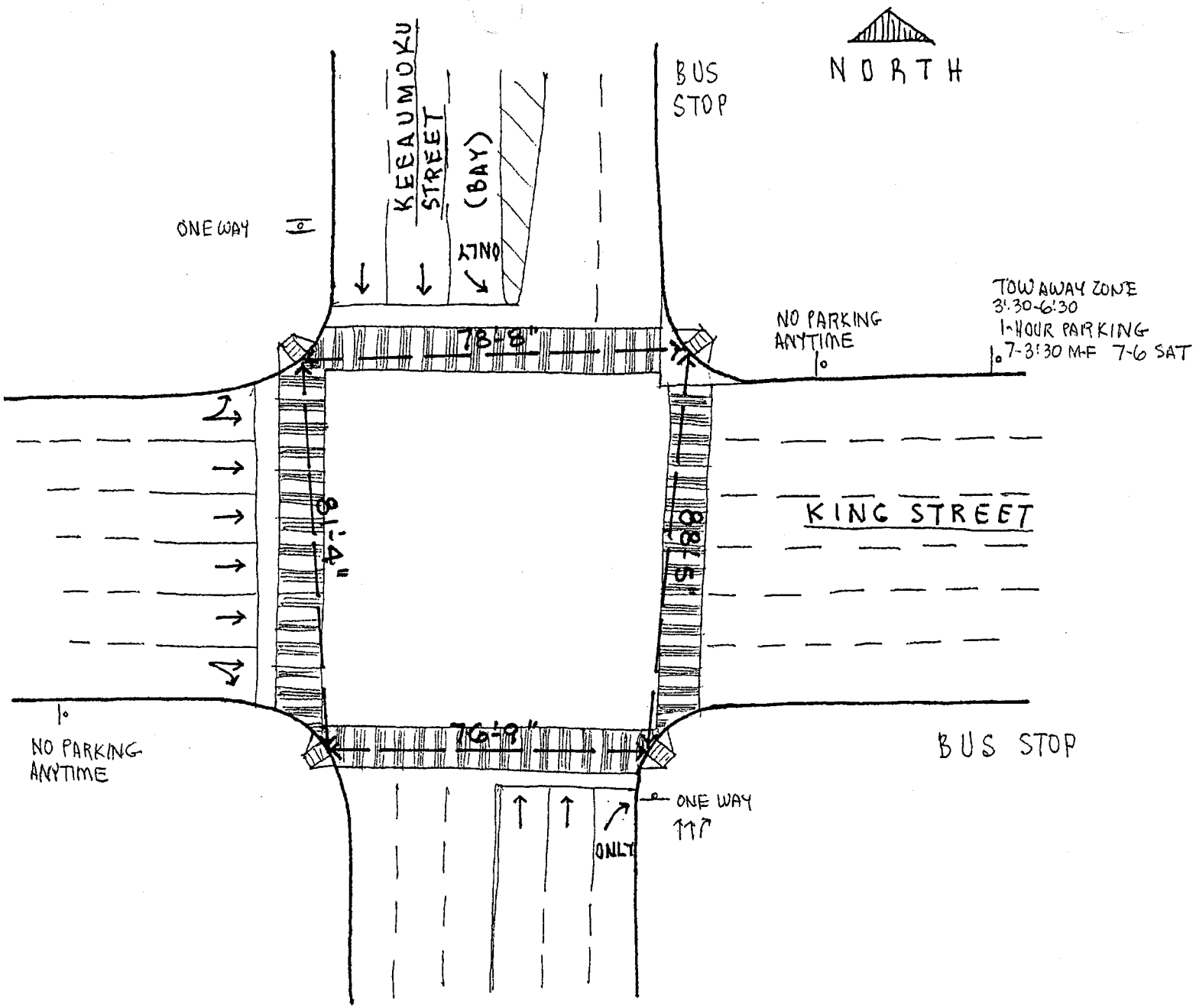
Counter:D4-5675, D4-5677
Counted:JM, RL
Weather:Clear

File Name : KinKee MIDDAY
Site Code : 00000007
Start Date : 5/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					King Street Westbound					Keeaumoku Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	59	261	0	3	323	0	0	0	5	5	0	163	24	6	193	60	362	54	7	483	1004
11:15 AM	78	296	0	6	380	0	0	0	5	5	0	155	25	9	189	49	361	48	14	472	1046
11:30 AM	56	305	0	5	366	0	0	0	0	0	0	144	48	1	193	44	349	47	13	453	1012
11:45 AM	67	286	0	3	356	0	0	0	0	0	0	168	46	10	224	65	412	47	17	541	1121
Total	260	1148	0	17	1425	0	0	0	10	10	0	630	143	26	799	218	1484	196	51	1949	4183
12:00 PM	69	293	0	12	374	0	0	0	11	11	0	194	50	16	260	69	423	41	18	551	1196
12:15 PM	56	278	0	2	336	0	0	0	8	8	0	199	68	10	277	66	406	47	16	535	1156
12:30 PM	61	267	0	5	333	0	0	0	4	4	0	175	73	11	259	63	438	58	13	572	1168
12:45 PM	61	268	0	0	329	0	0	0	2	2	0	176	52	4	232	70	407	49	13	539	1102
Total	247	1106	0	19	1372	0	0	0	25	25	0	744	243	41	1028	268	1674	195	60	2197	4622
Grand Total	507	2254	0	36	2797	0	0	0	35	35	0	1374	386	67	1827	486	3158	391	111	4146	8805
Apprch %	18.1	80.6	0	1.3		0	0	0	100		0	75.2	21.1	3.7		11.7	76.2	9.4	2.7		
Total %	5.8	25.6	0	0.4	31.8	0	0	0	0.4	0.4	0	15.6	4.4	0.8	20.7	5.5	35.9	4.4	1.3	47.1	

	Keeaumoku Street Southbound					King Street Westbound					Keeaumoku Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	67	286	0	3	356	0	0	0	0	0	0	168	46	10	224	65	412	47	17	541	1121
12:00 PM	**69**	**293**	0	**12**	**374**	0	0	0	**11**	**11**	0	194	50	**16**	260	**69**	423	41	**18**	551	**1196**
12:15 PM	56	278	0	2	336	0	0	0	8	8	0	**199**	68	10	**277**	66	406	47	16	535	1156
12:30 PM	61	267	0	5	333	0	0	0	4	4	0	175	**73**	11	259	63	**438**	**58**	13	**572**	1168
Total Volume	253	1124	0	22	1399	0	0	0	23	23	0	736	237	47	1020	263	1679	193	64	2199	4641
% App. Total	18.1	80.3	0	1.6		0	0	0	100		0	72.2	23.2	4.6		12	76.4	8.8	2.9		
PHF	.917	.959	.000	.458	.935	.000	.000	.000	.523	.523	.000	.925	.812	.734	.921	.953	.958	.832	.889	.961	.970


NORTH
BUS STOP
KEEAUMOKU STREET
(BAY)
ONLY
ONE WAY
TOW AWAY ZONE
3:30-6:30
1-HOUR PARKING
7-3:30 M-F 7-6 SAT
NO PARKING ANYTIME
76'-9"
81'-4"
88'-5"
KING STREET
NO PARKING ANYTIME
76'-9"
BUS STOP
ONE WAY
ONLY

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0768, D1-0769
Counted:ME,KF
Weather:Clear

File Name : KinKah AM
Site Code : 00000008
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Westbound	Kaheka Street Northbound					King Street Eastbound					
Start Time	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	9	30	13	52	2	239	20	9	270	322
06:45 AM	0	0	0	8	29	18	55	0	331	31	14	376	431
Total	0	0	0	17	59	31	107	2	570	51	23	646	753
07:00 AM	0	0	0	17	28	17	62	1	354	37	12	404	466
07:15 AM	0	0	0	11	36	13	60	0	376	44	21	441	501
07:30 AM	0	0	0	13	43	31	87	2	413	51	8	474	561
07:45 AM	0	0	0	10	27	22	59	0	397	65	10	472	531
Total	0	0	0	51	134	83	268	3	1540	197	51	1791	2059
08:00 AM	0	0	0	11	44	18	73	1	306	52	53	412	485
08:15 AM	0	0	0	12	35	24	71	1	303	53	9	366	437
Grand Total	0	0	0	91	272	156	519	7	2719	353	136	3215	3734
Apprch %			0	17.5	52.4	30.1		0.2	84.6	11	4.2		
Total %	0	0	0	2.4	7.3	4.2	13.9	0.2	72.8	9.5	3.6	86.1	

	Southbound	Westbound	Kaheka Street Northbound					King Street Eastbound					
Start Time	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	0	0	0	11	36	13	60	0	376	44	21	441	501
07:30 AM	0	0	0	**13**	43	**31**	**87**	**2**	**413**	51	8	**474**	**561**
07:45 AM	0	0	0	10	27	22	59	0	397	**65**	10	472	531
08:00 AM	0	0	0	11	**44**	18	73	1	306	52	**53**	412	485
Total Volume	0	0	0	45	150	84	279	3	1492	212	92	1799	2078
% App. Total			0	16.1	53.8	30.1		0.2	82.9	11.8	5.1		
PHF	.000	.000	.000	.865	.852	.677	.802	.375	.903	.815	.434	.949	.926

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0768, D1-0769
Counted:ME, KF
Weather:Clear

File Name : KinKah Midday
Site Code : 00000008
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Westbound	Kaheka Street Northbound					King Street Eastbound					
Start Time	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	26	63	26	115	5	381	67	18	471	586
11:15 AM	0	0	0	21	48	19	88	13	420	57	12	502	590
11:30 AM	0	0	0	22	59	36	117	5	426	41	11	483	600
11:45 AM	0	0	0	24	66	14	104	9	408	83	17	517	621
Total	0	0	0	93	236	95	424	32	1635	248	58	1973	2397
12:00 PM	0	0	0	25	65	30	120	9	455	61	12	537	657
12:15 PM	0	0	0	25	72	17	114	7	293	86	12	398	512
12:30 PM	0	0	0	31	46	29	106	4	402	49	9	464	570
12:45 PM	0	0	0	21	42	25	88	6	382	58	10	456	544
Total	0	0	0	102	225	101	428	26	1532	254	43	1855	2283
Grand Total	0	0	0	195	461	196	852	58	3167	502	101	3828	4680
Apprch %			0	22.9	54.1	23		1.5	82.7	13.1	2.6		
Total %	0	0	0	4.2	9.9	4.2	18.2	1.2	67.7	10.7	2.2	81.8	

	Southbound	Westbound	Kaheka Street Northbound					King Street Eastbound					
Start Time	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 11:15 AM													
11:15 AM	0	0	0	21	48	19	88	**13**	420	57	12	502	590
11:30 AM	0	0	0	22	59	**36**	117	5	426	41	11	483	600
11:45 AM	0	0	0	24	**66**	14	104	9	408	**83**	**17**	517	621
12:00 PM	0	0	0	**25**	65	30	**120**	9	**455**	61	12	**537**	**657**
Total Volume	0	0	0	92	238	99	429	36	1709	242	52	2039	2468
% App. Total			0	21.4	55.5	23.1		1.8	83.8	11.9	2.6		
PHF	.000	.000	.000	.920	.902	.688	.894	.692	.939	.729	.765	.949	.939

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

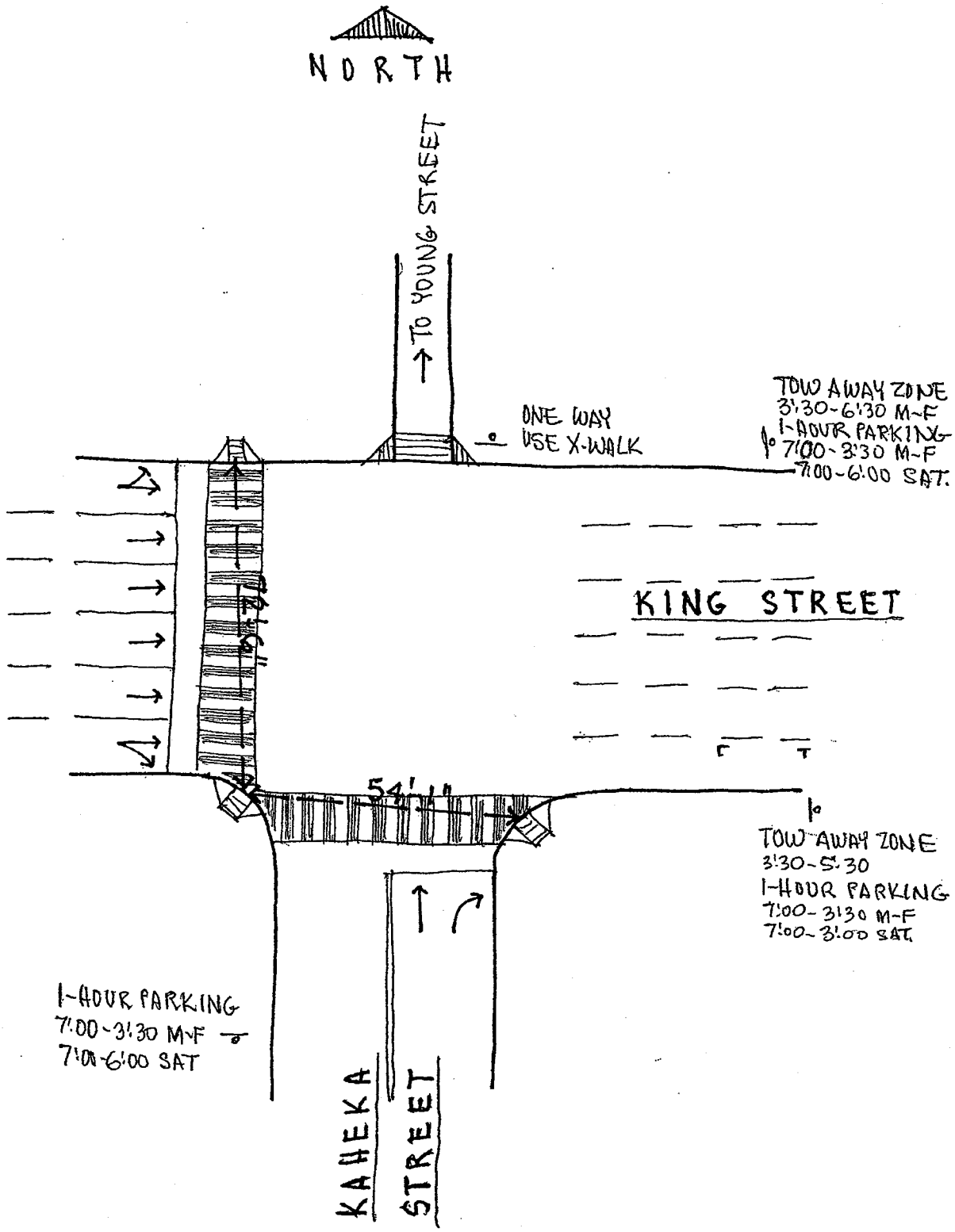
Counter:D1-0768, D1-0769
Counted:ME, KF
Weather:Clear

File Name : KinKah PM
Site Code : 00000008
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Westbound	Kaheka Street Northbound					King Street Eastbound					
Start Time	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	46	70	21	137	52	558	61	18	689	826
04:15 PM	0	0	0	55	85	29	169	8	679	76	11	774	943
04:30 PM	0	0	0	61	90	30	181	6	756	46	20	828	1009
04:45 PM	0	0	0	58	78	22	158	6	677	49	20	752	910
Total	0	0	0	220	323	102	645	72	2670	232	69	3043	3688
05:00 PM	0	0	0	58	84	28	170	1	713	59	70	843	1013
05:15 PM	0	0	0	73	81	32	186	8	770	70	25	873	1059
05:30 PM	0	0	0	57	63	30	150	10	634	65	12	721	871
05:45 PM	0	0	0	35	64	30	129	6	535	49	9	599	728
Total	0	0	0	223	292	120	635	25	2652	243	116	3036	3671
Grand Total	0	0	0	443	615	222	1280	97	5322	475	185	6079	7359
Apprch %			0	34.6	48	17.3		1.6	87.5	7.8	3		
Total %	0	0	0	6	8.4	3	17.4	1.3	72.3	6.5	2.5	82.6	

	Southbound	Westbound	Kaheka Street Northbound					King Street Eastbound					
Start Time	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:30 PM													
04:30 PM	0	0	0	61	**90**	30	181	6	756	46	20	828	1009
04:45 PM	0	0	0	58	78	22	158	6	677	49	20	752	910
05:00 PM	0	0	0	58	84	28	170	1	713	59	**70**	843	1013
05:15 PM	0	0	0	**73**	81	**32**	**186**	**8**	**770**	**70**	25	**873**	**1059**
Total Volume	0	0	0	250	333	112	695	21	2916	224	135	3296	3991
% App. Total			0	36	47.9	16.1		0.6	88.5	6.8	4.1		
PHF	.000	.000	.000	.856	.925	.875	.934	.656	.947	.800	.482	.944	.942


NORTH
TO YOUNG STREET
ONE WAY
USE X-WALK
TOW AWAY ZONE
3:30-6:30 M-F
1-HOUR PARKING
7:00-3:30 M-F
7:00-6:00 SAT.
KING STREET
54' 11"
TOW AWAY ZONE
3:30-5:30
1-HOUR PARKING
7:00-3:30 M-F
7:00-3:00 SAT.
1-HOUR PARKING
7:00-3:30 M-F
7:00-6:00 SAT
KAHEKA STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5625, D4-5676
Counted:AF, DY
Weather:Clear

File Name : KinKal AM
Site Code : 00000009
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					X-Walk North / South On King Street Westbound					Kalakaua Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	5	205	0	0	210	0	0	0	3	3	0	95	23	5	123	1	65	63	24	153	489
06:45 AM	9	306	0	0	315	0	0	0	9	9	0	149	32	7	188	9	82	71	17	179	691
Total	14	511	0	0	525	0	0	0	12	12	0	244	55	12	311	10	147	134	41	332	1180
07:00 AM	9	345	0	0	354	0	0	0	4	4	0	183	19	19	221	5	99	53	35	192	771
07:15 AM	10	303	0	0	313	0	0	0	7	7	0	182	32	26	240	2	83	103	38	226	786
07:30 AM	16	339	0	0	355	0	0	0	17	17	0	193	37	20	250	3	98	70	36	207	829
07:45 AM	13	304	0	0	317	0	0	0	8	8	0	156	41	34	231	6	153	83	38	280	836
Total	48	1291	0	0	1339	0	0	0	36	36	0	714	129	99	942	16	433	309	147	905	3222
08:00 AM	10	300	0	0	310	0	0	0	8	8	0	139	34	14	187	8	139	69	32	248	753
08:15 AM	8	270	0	0	278	0	0	0	7	7	0	133	34	10	177	5	120	70	20	215	677
Grand Total	80	2372	0	0	2452	0	0	0	63	63	0	1230	252	135	1617	39	839	582	240	1700	5832
Apprch %	3.3	96.7	0	0		0	0	0	100		0	76.1	15.6	8.3		2.3	49.4	34.2	14.1		
Total %	1.4	40.7	0	0	42	0	0	0	1.1	1.1	0	21.1	4.3	2.3	27.7	0.7	14.4	10	4.1	29.1	

	Kalakaua Avenue Southbound					X-Walk North / South On King Street Westbound					Kalakaua Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	9	**345**	0	0	354	0	0	0	4	4	0	183	19	19	221	5	99	53	35	192	771
07:15 AM	10	303	0	0	313	0	0	0	7	7	0	182	32	26	240	2	83	**103**	**38**	226	786
07:30 AM	**16**	339	0	0	**355**	0	0	0	**17**	**17**	0	**193**	37	20	**250**	3	98	70	36	207	829
07:45 AM	13	304	0	0	317	0	0	0	8	8	0	156	**41**	**34**	231	**6**	**153**	83	38	**280**	**836**
Total Volume	48	1291	0	0	1339	0	0	0	36	36	0	714	129	99	942	16	433	309	147	905	3222
% App. Total	3.6	96.4	0	0		0	0	0	100		0	75.8	13.7	10.5		1.8	47.8	34.1	16.2		
PHF	.750	.936	.000	.000	.943	.000	.000	.000	.529	.529	.000	.925	.787	.728	.942	.667	.708	.750	.967	.808	.964

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-5675, D1-5676
Counted:DY, AF
Weather:Clear

File Name : KinKal MIDDAY
Site Code : 00000009
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					X-Walk North / South On King Street Westbound					Kalakaua Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	13	143	0	2	158	0	0	0	4	4	0	94	51	8	153	14	348	61	25	448	763
11:15 AM	7	128	0	6	141	0	0	0	6	6	0	107	56	14	177	15	365	78	9	467	791
11:30 AM	5	133	0	2	140	0	0	0	5	5	0	108	70	13	191	19	383	70	19	491	827
11:45 AM	10	144	0	2	156	0	0	0	2	2	0	106	56	18	180	16	356	71	22	465	803
Total	35	548	0	12	595	0	0	0	17	17	0	415	233	53	701	64	1452	280	75	1871	3184
12:00 PM	4	140	0	5	149	0	0	0	4	4	0	108	43	12	163	21	414	76	19	530	846
12:15 PM	6	134	0	6	146	0	0	0	6	6	0	120	56	15	191	28	373	59	31	491	834
12:30 PM	6	147	0	4	157	0	0	0	4	4	0	103	47	15	165	21	366	64	31	482	808
12:45 PM	14	126	0	10	150	0	0	0	10	10	0	120	54	16	190	22	325	57	18	422	772
Total	30	547	0	25	602	0	0	0	24	24	0	451	200	58	709	92	1478	256	99	1925	3260
Grand Total	65	1095	0	37	1197	0	0	0	41	41	0	866	433	111	1410	156	2930	536	174	3796	6444
Apprch %	5.4	91.5	0	3.1		0	0	0	100		0	61.4	30.7	7.9		4.1	77.2	14.1	4.6		
Total %	1	17	0	0.6	18.6	0	0	0	0.6	0.6	0	13.4	6.7	1.7	21.9	2.4	45.5	8.3	2.7	58.9	

	Kalakaua Avenue Southbound					X-Walk North / South On King Street Westbound					Kalakaua Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	5	133	0	2	140	0	0	0	5	5	0	108	**70**	13	**191**	19	383	70	19	491	827
11:45 AM	**10**	**144**	0	2	**156**	0	0	0	2	2	0	106	56	**18**	180	16	356	71	22	465	803
12:00 PM	4	140	0	5	149	0	0	0	4	4	0	108	43	12	163	21	**414**	**76**	19	**530**	**846**
12:15 PM	6	134	0	**6**	146	0	0	0	**6**	**6**	0	**120**	56	15	191	**28**	373	59	**31**	491	834
Total Volume	25	551	0	15	591	0	0	0	17	17	0	442	225	58	725	84	1526	276	91	1977	3310
% App. Total	4.2	93.2	0	2.5		0	0	0	100		0	61	31	8		4.2	77.2	14	4.6		
PHF	.625	.957	.000	.625	.947	.000	.000	.000	.708	.708	.000	.921	.804	.806	.949	.750	.921	.908	.734	.933	.978

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

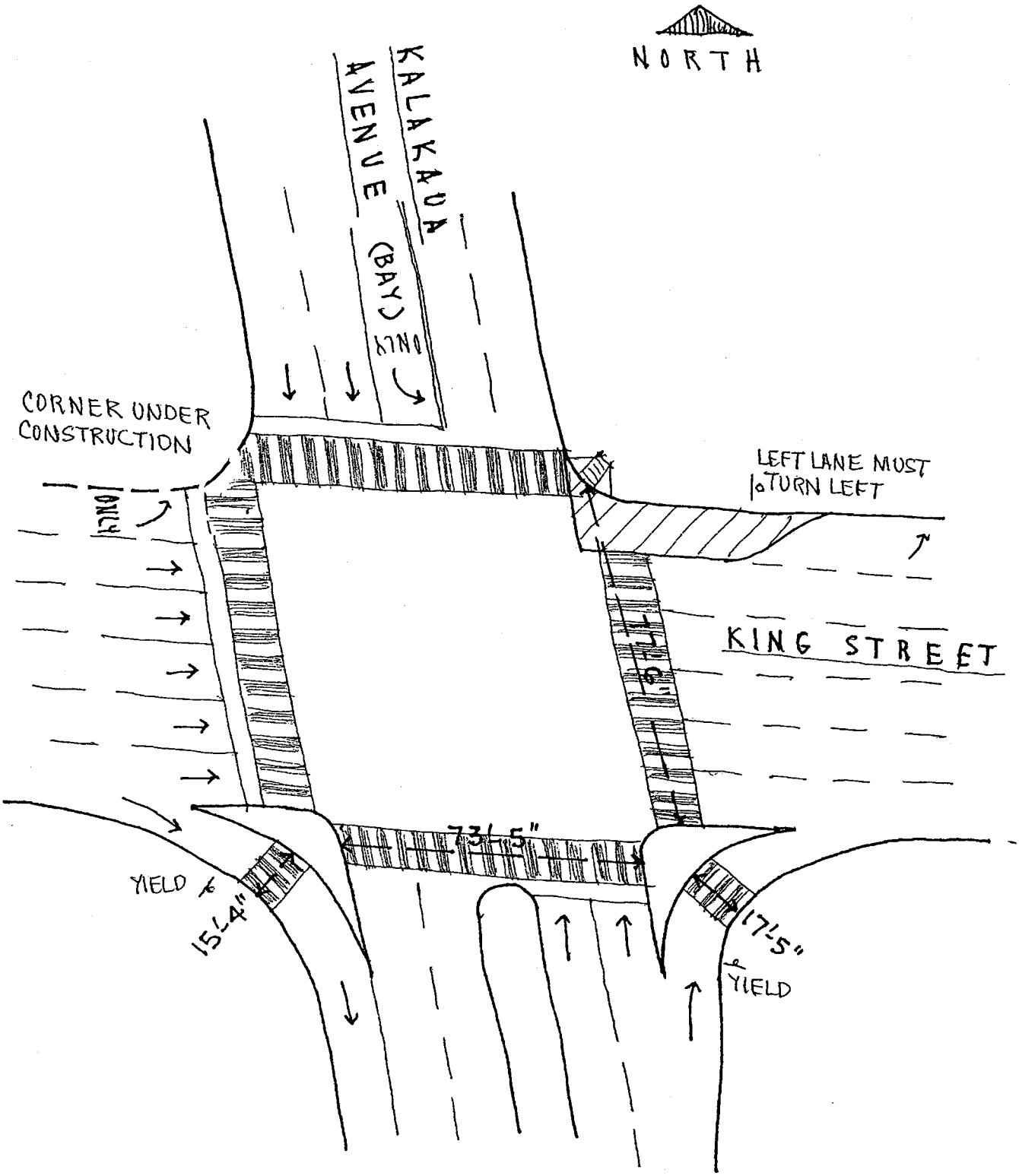
Counter:D1-5675, D1-5676
Counted:DY, AF
Weather:Clear

File Name : KinKal PM
Site Code : 00000009
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					X-Walk North / South On King Street Westbound					Kalakaua Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	13	122	0	3	138	0	0	0	4	4	0	166	55	29	250	26	553	67	27	673	1065
04:15 PM	8	107	0	4	119	0	0	0	3	3	0	199	44	16	259	35	654	72	32	793	1174
04:30 PM	10	116	0	5	131	0	0	0	6	6	0	179	53	12	244	43	566	77	49	735	1116
04:45 PM	13	107	0	3	123	0	0	0	2	2	0	170	64	25	259	48	640	81	50	819	1203
Total	44	452	0	15	511	0	0	0	15	15	0	714	216	82	1012	152	2413	297	158	3020	4558
05:00 PM	18	113	0	4	135	0	0	0	4	4	0	188	63	15	266	52	633	74	30	789	1194
05:15 PM	10	109	0	2	121	0	0	0	4	4	0	147	74	15	236	48	663	80	34	825	1186
05:30 PM	4	119	0	6	129	0	0	0	6	6	0	139	63	24	226	46	640	95	31	812	1173
05:45 PM	9	120	0	10	139	0	0	0	10	10	0	123	64	12	199	26	553	86	31	696	1044
Total	41	461	0	22	524	0	0	0	24	24	0	597	264	66	927	172	2489	335	126	3122	4597
Grand Total	85	913	0	37	1035	0	0	0	39	39	0	1311	480	148	1939	324	4902	632	284	6142	9155
Apprch %	8.2	88.2	0	3.6		0	0	0	100		0	67.6	24.8	7.6		5.3	79.8	10.3	4.6		
Total %	0.9	10	0	0.4	11.3	0	0	0	0.4	0.4	0	14.3	5.2	1.6	21.2	3.5	53.5	6.9	3.1	67.1	

	Kalakaua Avenue Southbound					X-Walk North / South On King Street Westbound					Kalakaua Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	13	107	0	3	123	0	0	0	2	2	0	170	64	**25**	259	48	640	81	**50**	819	**1203**
05:00 PM	**18**	113	0	4	**135**	0	0	0	4	4	0	**188**	63	15	**266**	**52**	633	74	30	789	1194
05:15 PM	10	109	0	2	121	0	0	0	4	4	0	147	**74**	15	236	48	**663**	80	34	**825**	1186
05:30 PM	4	**119**	0	**6**	129	0	0	0	**6**	**6**	0	139	63	24	226	46	640	**95**	31	812	1173
Total Volume	45	448	0	15	508	0	0	0	16	16	0	644	264	79	987	194	2576	330	145	3245	4756
% App. Total	8.9	88.2	0	3		0	0	0	100		0	65.2	26.7	8		6	79.4	10.2	4.5		
PHF	.625	.941	.000	.625	.941	.000	.000	.000	.667	.667	.000	.856	.892	.790	.928	.933	.971	.868	.725	.983	.988


NORTH
KALAKAUA AVENUE (BAY)
ONLY
CORNER UNDER CONSTRUCTION
ONLY
LEFT LANE MUST TURN LEFT
KING STREET
17'-6"
73'-5"
YIELD
15'-4"
17'-5"
YIELD

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5677
Counted:MB, TG
Weather:Clear

File Name : KinPun AM
Site Code : 00000010
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					X-Walk North / South At King Street Westbound					Punahou Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	64	85	0	12	161	0	0	0	0	0	0	24	11	18	53	7	142	13	2	164	378
06:45 AM	60	81	0	22	163	0	0	0	0	0	0	45	19	24	88	4	200	12	17	233	484
Total	124	166	0	34	324	0	0	0	0	0	0	69	30	42	141	11	342	25	19	397	862
07:00 AM	62	75	0	3	140	0	0	0	20	20	0	35	34	46	115	45	271	2	10	328	603
07:15 AM	69	81	0	12	162	0	0	0	35	35	0	45	43	87	175	59	258	11	24	352	724
07:30 AM	100	89	0	19	208	0	0	0	26	26	0	88	69	109	266	79	306	1	19	405	905
07:45 AM	102	121	0	13	236	0	0	0	22	22	0	56	62	82	200	53	292	1	10	356	814
Total	333	366	0	47	746	0	0	0	103	103	0	224	208	324	756	236	1127	15	63	1441	3046
08:00 AM	74	124	0	11	209	0	0	0	6	6	0	51	27	21	99	62	259	1	12	334	648
08:15 AM	62	112	0	9	183	0	0	0	4	4	0	39	19	8	66	39	262	2	7	310	563
Grand Total	593	768	0	101	1462	0	0	0	113	113	0	383	284	395	1062	348	1990	43	101	2482	5119
Apprch %	40.6	52.5	0	6.9		0	0	0	100		0	36.1	26.7	37.2		14	80.2	1.7	4.1		
Total %	11.6	15	0	2	28.6	0	0	0	2.2	2.2	0	7.5	5.5	7.7	20.7	6.8	38.9	0.8	2	48.5	

	Punahou Street Southbound					X-Walk North / South At King Street Westbound					Punahou Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	69	81	0	12	162	0	0	0	**35**	**35**	0	45	43	87	175	59	258	**11**	**24**	352	724
07:30 AM	100	89	0	**19**	208	0	0	0	26	26	0	**88**	**69**	**109**	**266**	**79**	**306**	1	19	**405**	**905**
07:45 AM	**102**	121	0	13	**236**	0	0	0	22	22	0	56	62	82	200	53	292	1	10	356	814
08:00 AM	74	**124**	0	11	209	0	0	0	6	6	0	51	27	21	99	62	259	1	12	334	648
Total Volume	345	415	0	55	815	0	0	0	89	89	0	240	201	299	740	253	1115	14	65	1447	3091
% App. Total	42.3	50.9	0	6.7		0	0	0	100		0	32.4	27.2	40.4		17.5	77.1	1	4.5		
PHF	.846	.837	.000	.724	.863	.000	.000	.000	.636	.636	.000	.682	.728	.686	.695	.801	.911	.318	.677	.893	.854

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5677
Counted:MB, TG
Weather:Clear

File Name : KinPun MIDDAY
Site Code : 00000010
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					X-Walk North / South At King Street Westbound					Punahou Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	89	102	0	12	203	0	0	0	5	5	0	74	18	18	110	66	302	9	8	385	703
11:15 AM	94	98	0	11	203	0	0	0	4	4	0	43	34	20	97	69	332	6	7	414	718
11:30 AM	89	101	0	5	195	0	0	0	7	7	0	47	30	8	85	67	385	5	3	460	747
11:45 AM	97	108	0	12	217	0	0	0	13	13	0	35	32	8	75	71	327	16	3	417	722
Total	369	409	0	40	818	0	0	0	29	29	0	199	114	54	367	273	1346	36	21	1676	2890
12:00 PM	99	100	0	9	208	0	0	0	4	4	0	44	33	10	87	85	360	10	4	459	758
12:15 PM	93	100	0	13	206	0	0	0	16	16	0	35	31	24	90	87	328	7	12	434	746
12:30 PM	93	93	0	11	197	0	0	0	12	12	0	83	36	16	135	78	330	6	5	419	763
12:45 PM	82	108	0	12	202	0	0	0	18	18	0	39	39	13	91	64	328	5	14	411	722
Total	367	401	0	45	813	0	0	0	50	50	0	201	139	63	403	314	1346	28	35	1723	2989
Grand Total	736	810	0	85	1631	0	0	0	79	79	0	400	253	117	770	587	2692	64	56	3399	5879
Apprch %	45.1	49.7	0	5.2		0	0	0	100		0	51.9	32.9	15.2		17.3	79.2	1.9	1.6		
Total %	12.5	13.8	0	1.4	27.7	0	0	0	1.3	1.3	0	6.8	4.3	2	13.1	10	45.8	1.1	1	57.8	

	Punahou Street Southbound					X-Walk North / South At King Street Westbound					Punahou Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	97	**108**	0	12	**217**	0	0	0	13	13	0	35	32	8	75	71	327	**16**	3	417	722
12:00 PM	**99**	100	0	9	208	0	0	0	4	4	0	44	33	10	87	85	**360**	10	4	**459**	758
12:15 PM	93	100	0	**13**	206	0	0	0	**16**	**16**	0	35	31	**24**	90	**87**	328	7	**12**	434	746
12:30 PM	93	93	0	11	197	0	0	0	12	12	0	**83**	**36**	16	**135**	78	330	6	5	419	**763**
Total Volume	382	401	0	45	828	0	0	0	45	45	0	197	132	58	387	321	1345	39	24	1729	2989
% App. Total	46.1	48.4	0	5.4		0	0	0	100		0	50.9	34.1	15		18.6	77.8	2.3	1.4		
PHF	.965	.928	.000	.865	.954	.000	.000	.000	.703	.703	.000	.593	.917	.604	.717	.922	.934	.609	.500	.942	.979

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

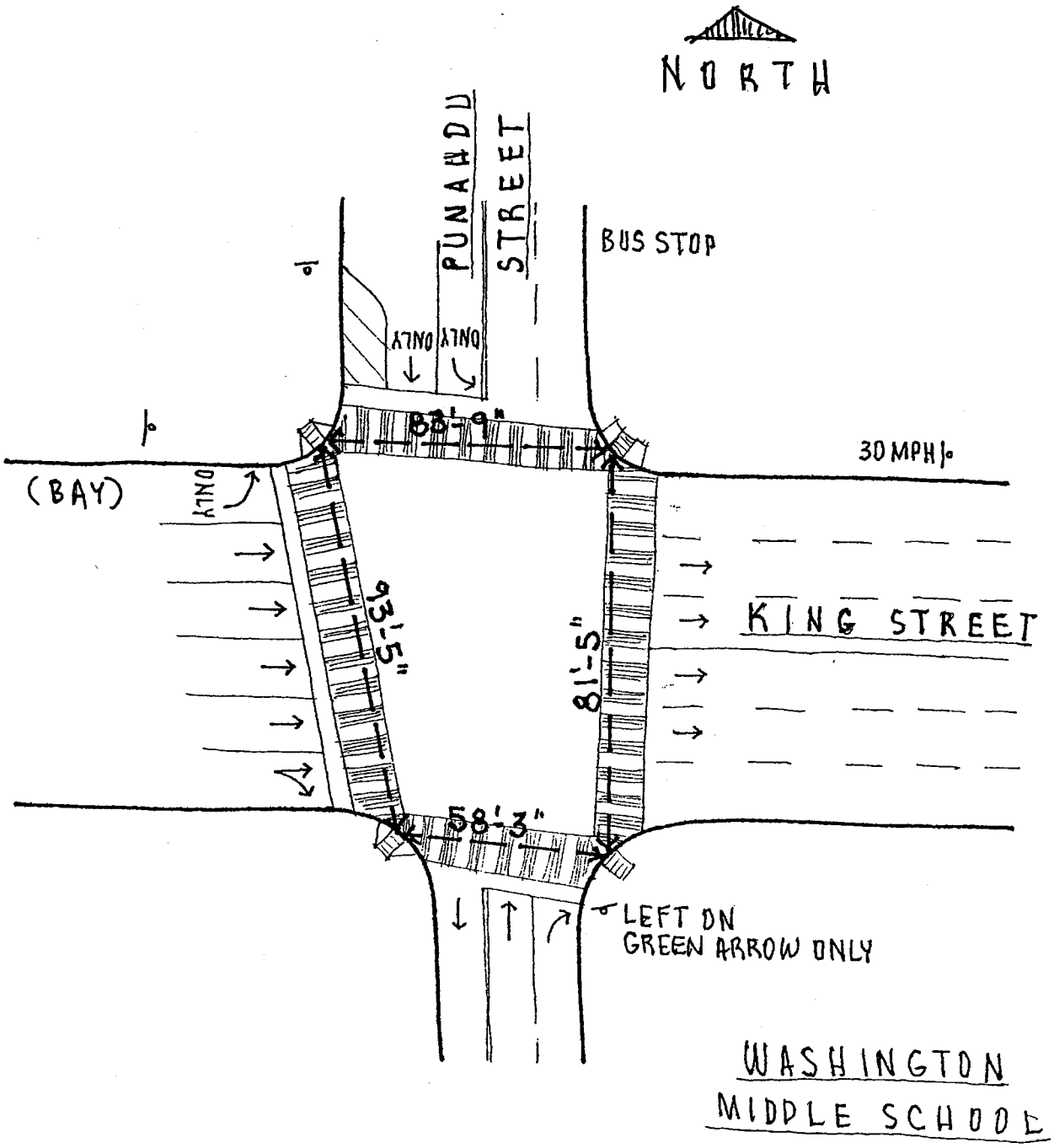
Counter:D4-5672, D4-5677
Counted:MB, TG
Weather: Clear

File Name : KinPun PM
Site Code : 00000010
Start Date : 4/15/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					X-Walk North / South At King Street Westbound					Punahou Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	84	90	0	6	180	0	0	0	14	14	0	56	44	30	130	101	505	4	3	613	937
04:15 PM	82	79	0	4	165	0	0	0	4	4	0	62	48	22	132	114	569	0	5	688	989
04:30 PM	77	91	0	8	176	0	0	0	11	11	0	66	49	32	147	97	547	1	16	661	995
04:45 PM	71	71	0	5	147	0	0	0	14	14	0	72	48	36	156	116	570	2	9	697	1014
Total	314	331	0	23	668	0	0	0	43	43	0	256	189	120	565	428	2191	7	33	2659	3935
05:00 PM	77	76	0	7	160	0	0	0	5	5	0	63	31	28	122	103	591	0	5	699	986
05:15 PM	86	67	0	10	163	0	0	0	8	8	0	86	36	29	151	111	578	1	11	701	1023
05:30 PM	75	66	0	10	151	0	0	0	5	5	0	68	40	28	136	114	621	0	6	741	1033
05:45 PM	57	71	0	4	132	0	0	0	9	9	0	62	29	31	122	106	501	1	13	621	884
Total	295	280	0	31	606	0	0	0	27	27	0	279	136	116	531	434	2291	2	35	2762	3926
Grand Total	609	611	0	54	1274	0	0	0	70	70	0	535	325	236	1096	862	4482	9	68	5421	7861
Apprch %	47.8	48	0	4.2		0	0	0	100		0	48.8	29.7	21.5		15.9	82.7	0.2	1.3		
Total %	7.7	7.8	0	0.7	16.2	0	0	0	0.9	0.9	0	6.8	4.1	3	13.9	11	57	0.1	0.9	69	

	Punahou Street Southbound					X-Walk North / South At King Street Westbound					Punahou Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	71	71	0	5	147	0	0	0	**14**	**14**	0	72	**48**	**36**	**156**	**116**	570	**2**	9	697	1014
05:00 PM	77	**76**	0	7	160	0	0	0	5	5	0	63	31	28	122	103	591	0	5	699	986
05:15 PM	**86**	67	0	**10**	**163**	0	0	0	8	8	0	**86**	36	29	151	111	578	1	**11**	701	1023
05:30 PM	75	66	0	10	151	0	0	0	5	5	0	68	40	28	136	114	**621**	0	6	**741**	**1033**
Total Volume	309	280	0	32	621	0	0	0	32	32	0	289	155	121	565	444	2360	3	31	2838	4056
% App. Total	49.8	45.1	0	5.2		0	0	0	100		0	51.2	27.4	21.4		15.6	83.2	0.1	1.1		
PHF	.898	.921	.000	.800	.952	.000	.000	.000	.571	.571	.000	.840	.807	.840	.905	.957	.950	.375	.705	.957	.982


NORTH
PUNAHOU
STREET
BUS STOP
ONLY
ONLY
ONLY
(BAY)
30 MPH
KING STREET
93'-5"
81'-5"
58'-3"
LEFT ON
GREEN ARROW ONLY
WASHINGTON
MIDDLE SCHOOL

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-5674
Counted:TG, BT
Weather:Clear

File Name : KinPaw AM
Site Code : 00000011
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	Pawaa Lane Southbound					Westbound	Northbound	King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	2	0	9	11	0	0	2	184	7	16	209	220
06:45 AM	7	11	0	20	38	0	0	2	248	17	7	274	312
Total	7	13	0	29	49	0	0	4	432	24	23	483	532
07:00 AM	3	4	0	13	20	0	0	2	320	9	10	341	361
07:15 AM	13	18	0	15	46	0	0	5	345	8	19	377	423
07:30 AM	3	7	0	17	27	0	0	4	366	10	22	402	429
07:45 AM	7	10	0	27	44	0	0	1	349	13	17	380	424
Total	26	39	0	72	137	0	0	12	1380	40	68	1500	1637
08:00 AM	1	2	0	7	10	0	0	3	331	16	8	358	368
08:15 AM	7	10	0	7	24	0	0	2	299	16	8	325	349
Grand Total	41	64	0	115	220	0	0	21	2442	96	107	2666	2886
Apprch %	18.6	29.1	0	52.3				0.8	91.6	3.6	4		
Total %	1.4	2.2	0	4	7.6	0	0	0.7	84.6	3.3	3.7	92.4	

	Pawaa Lane Southbound					Westbound	Northbound	King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	**13**	**18**	0	15	**46**	0	0	**5**	345	8	19	377	423
07:30 AM	3	7	0	17	27	0	0	4	**366**	10	**22**	**402**	**429**
07:45 AM	7	10	0	**27**	44	0	0	1	349	13	17	380	424
08:00 AM	1	2	0	7	10	0	0	3	331	**16**	8	358	368
Total Volume	24	37	0	66	127	0	0	13	1391	47	66	1517	1644
% App. Total	18.9	29.1	0	52				0.9	91.7	3.1	4.4		
PHF	.462	.514	.000	.611	.690	.000	.000	.650	.950	.734	.750	.943	.958

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-5674
Counted:TG, BT
Weather:Clear

File Name : KinPaw MIDDAY
Site Code : 00000011
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	Pawaa Lane Southbound					Westbound	Northbound	King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	10	0	0	5	15	0	0	8	405	15	1	429	444
11:15 AM	5	0	0	12	17	0	0	9	417	9	3	438	455
11:30 AM	10	0	0	5	15	0	0	4	436	11	5	456	471
11:45 AM	10	0	0	5	15	0	0	6	464	18	0	488	503
Total	35	0	0	27	62	0	0	27	1722	53	9	1811	1873
12:00 PM	8	0	0	13	21	0	0	4	455	24	2	485	506
12:15 PM	9	0	0	11	20	0	0	5	441	18	3	467	487
12:30 PM	8	0	0	8	16	0	0	12	423	12	1	448	464
12:45 PM	6	0	0	7	13	0	0	5	401	16	1	423	436
Total	31	0	0	39	70	0	0	26	1720	70	7	1823	1893
Grand Total	66	0	0	66	132	0	0	53	3442	123	16	3634	3766
Apprch %	50	0	0	50				1.5	94.7	3.4	0.4		
Total %	1.8	0	0	1.8	3.5	0	0	1.4	91.4	3.3	0.4	96.5	

	Pawaa Lane Southbound					Westbound	Northbound	King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 11:30 AM													
11:30 AM	**10**	0	0	5	15	0	0	4	436	11	**5**	456	471
11:45 AM	10	0	0	5	15	0	0	**6**	**464**	18	0	**488**	503
12:00 PM	8	0	0	**13**	**21**	0	0	4	455	**24**	2	485	**506**
12:15 PM	9	0	0	11	20	0	0	5	441	18	3	467	487
Total Volume	37	0	0	34	71	0	0	19	1796	71	10	1896	1967
% App. Total	52.1	0	0	47.9				1	94.7	3.7	0.5		
PHF	.925	.000	.000	.654	.845	.000	.000	.792	.968	.740	.500	.971	.972

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

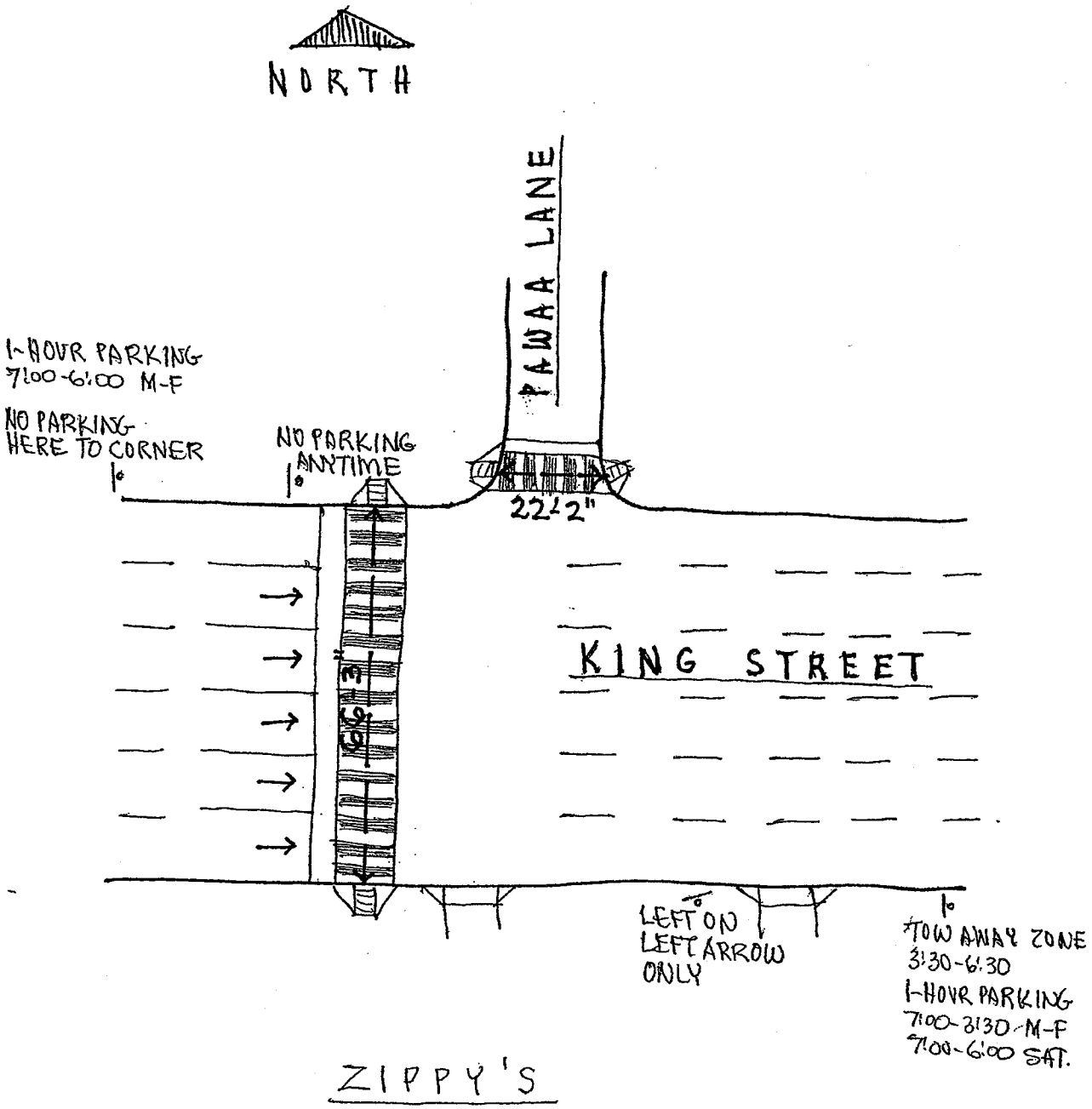
Counter:D4-3889, D4-5674
Counted:TG, BT
Weather:Clear

File Name : KinPaw PM
Site Code : 00000011
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	Pawaa Lane Southbound					Westbound	Northbound	King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	10	0	0	10	20	0	0	10	601	0	6	617	637
04:15 PM	5	0	0	8	13	0	0	4	606	0	6	616	629
04:30 PM	12	0	0	13	25	0	0	9	630	0	4	643	668
04:45 PM	8	0	0	16	24	0	0	7	662	0	14	683	707
Total	35	0	0	47	82	0	0	30	2499	0	30	2559	2641
05:00 PM	11	0	0	10	21	0	0	11	709	0	6	726	747
05:15 PM	12	0	0	15	27	0	0	5	540	0	10	555	582
05:30 PM	11	0	0	7	18	0	0	9	685	0	2	696	714
05:45 PM	6	0	0	13	19	0	0	7	611	0	11	629	648
Total	40	0	0	45	85	0	0	32	2545	0	29	2606	2691
Grand Total	75	0	0	92	167	0	0	62	5044	0	59	5165	5332
Apprch %	44.9	0	0	55.1				1.2	97.7	0	1.1		
Total %	1.4	0	0	1.7	3.1	0	0	1.2	94.6	0	1.1	96.9	

	Pawaa Lane Southbound					Westbound	Northbound	King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:15 PM													
04:15 PM	5	0	0	8	13	0	0	4	606	0	6	616	629
04:30 PM	**12**	0	0	13	**25**	0	0	9	630	0	4	643	668
04:45 PM	8	0	0	**16**	24	0	0	7	662	0	**14**	683	707
05:00 PM	11	0	0	10	21	0	0	**11**	**709**	0	6	**726**	**747**
Total Volume	36	0	0	47	83	0	0	31	2607	0	30	2668	2751
% App. Total	43.4	0	0	56.6				1.2	97.7	0	1.1		
PHF	.750	.000	.000	.734	.830	.000	.000	.705	.919	.000	.536	.919	.921


NORTH
PAWAA LANE
1-HOUR PARKING
7:00-6:00 M-F
NO PARKING
HERE TO CORNER
NO PARKING
ANYTIME
22'2"
KING STREET
LEFT ON
LEFT ARROW
ONLY
TOW AWAY ZONE
3:30-6:30
1-HOUR PARKING
7:00-3:30 M-F
7:00-6:00 SAT.
ZIPPY'S

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5671
Counted:ZW, JH
Weather:Clear

File Name : KinMcC AM
Site Code : 00000012
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					X-Walk North / South At King Street Westbound					McCully Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	25	131	0	0	156	0	0	0	3	3	0	160	5	5	170	21	152	21	9	203	532
06:45 AM	30	99	0	4	133	0	0	0	6	6	0	166	7	1	174	29	210	21	19	279	592
Total	55	230	0	4	289	0	0	0	9	9	0	326	12	6	344	50	362	42	28	482	1124
07:00 AM	40	72	0	2	114	0	0	0	10	10	0	142	8	17	167	27	287	16	7	337	628
07:15 AM	42	82	0	0	124	0	0	0	10	10	0	134	14	18	166	27	323	22	3	375	675
07:30 AM	43	113	0	3	159	0	0	0	10	10	0	152	19	16	187	22	315	39	3	379	735
07:45 AM	46	118	0	5	169	0	0	0	3	3	0	136	16	19	171	23	302	25	4	354	697
Total	171	385	0	10	566	0	0	0	33	33	0	564	57	70	691	99	1227	102	17	1445	2735
08:00 AM	29	87	0	1	117	0	0	0	4	4	0	128	25	16	169	18	308	35	0	361	651
08:15 AM	32	106	0	0	138	0	0	0	0	0	0	168	26	6	200	34	269	26	1	330	668
Grand Total	287	808	0	15	1110	0	0	0	46	46	0	1186	120	98	1404	201	2166	205	46	2618	5178
Apprch %	25.9	72.8	0	1.4		0	0	0	100		0	84.5	8.5	7		7.7	82.7	7.8	1.8		
Total %	5.5	15.6	0	0.3	21.4	0	0	0	0.9	0.9	0	22.9	2.3	1.9	27.1	3.9	41.8	4	0.9	50.6	

	McCully Street Southbound					X-Walk North / South At King Street Westbound					McCully Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	42	82	0	0	124	0	0	0	**10**	**10**	0	134	14	18	166	**27**	**323**	22	3	375	675
07:30 AM	43	113	0	3	159	0	0	0	10	10	0	**152**	19	16	**187**	22	315	**39**	3	**379**	**735**
07:45 AM	**46**	**118**	0	**5**	**169**	0	0	0	3	3	0	136	16	**19**	171	23	302	25	**4**	354	697
08:00 AM	29	87	0	1	117	0	0	0	4	4	0	128	**25**	16	169	18	308	35	0	361	651
Total Volume	160	400	0	9	569	0	0	0	27	27	0	550	74	69	693	90	1248	121	10	1469	2758
% App. Total	28.1	70.3	0	1.6		0	0	0	100		0	79.4	10.7	10		6.1	85	8.2	0.7		
PHF	.870	.847	.000	.450	.842	.000	.000	.000	.675	.675	.000	.905	.740	.908	.926	.833	.966	.776	.625	.969	.938

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5671
Counted:ZW, LE
Weather:Clear

File Name : KinMcC MIDDAY
Site Code : 00000012
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					King Street Westbound					McCully Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	42	82	0	0	124	0	0	0	2	2	0	168	39	12	219	41	341	32	4	418	763
11:15 AM	38	103	0	7	148	0	0	0	5	5	0	159	29	24	212	48	375	48	5	476	841
11:30 AM	48	139	0	8	195	0	0	0	8	8	0	150	23	17	190	40	380	47	3	470	863
11:45 AM	46	95	0	4	145	0	0	0	8	8	0	161	28	15	204	63	399	32	6	500	857
Total	174	419	0	19	612	0	0	0	23	23	0	638	119	68	825	192	1495	159	18	1864	3324
12:00 PM	42	129	0	17	188	0	0	0	13	13	0	136	27	22	185	48	409	44	4	505	891
12:15 PM	53	86	0	14	153	0	0	0	8	8	0	171	24	7	202	54	426	47	4	531	894
12:30 PM	40	90	0	4	134	0	0	0	7	7	0	166	25	15	206	45	344	37	6	432	779
12:45 PM	43	97	0	9	149	0	0	0	11	11	0	141	23	13	177	24	335	31	5	395	732
Total	178	402	0	44	624	0	0	0	39	39	0	614	99	57	770	171	1514	159	19	1863	3296
Grand Total	352	821	0	63	1236	0	0	0	62	62	0	1252	218	125	1595	363	3009	318	37	3727	6620
Apprch %	28.5	66.4	0	5.1		0	0	0	100		0	78.5	13.7	7.8		9.7	80.7	8.5	1		
Total %	5.3	12.4	0	1	18.7	0	0	0	0.9	0.9	0	18.9	3.3	1.9	24.1	5.5	45.5	4.8	0.6	56.3	

	McCully Street Southbound					King Street Westbound					McCully Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	48	**139**	0	8	**195**	0	0	0	8	8	0	150	23	17	190	40	380	**47**	3	470	863
11:45 AM	46	95	0	4	145	0	0	0	8	8	0	161	**28**	15	**204**	**63**	399	32	**6**	500	857
12:00 PM	42	129	0	**17**	188	0	0	0	**13**	**13**	0	136	27	**22**	185	48	409	44	4	505	891
12:15 PM	**53**	86	0	14	153	0	0	0	8	8	0	**171**	24	7	202	54	**426**	47	4	**531**	**894**
Total Volume	189	449	0	43	681	0	0	0	37	37	0	618	102	61	781	205	1614	170	17	2006	3505
% App. Total	27.8	65.9	0	6.3		0	0	0	100		0	79.1	13.1	7.8		10.2	80.5	8.5	0.8		
PHF	.892	.808	.000	.632	.873	.000	.000	.000	.712	.712	.000	.904	.911	.693	.957	.813	.947	.904	.708	.944	.980

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

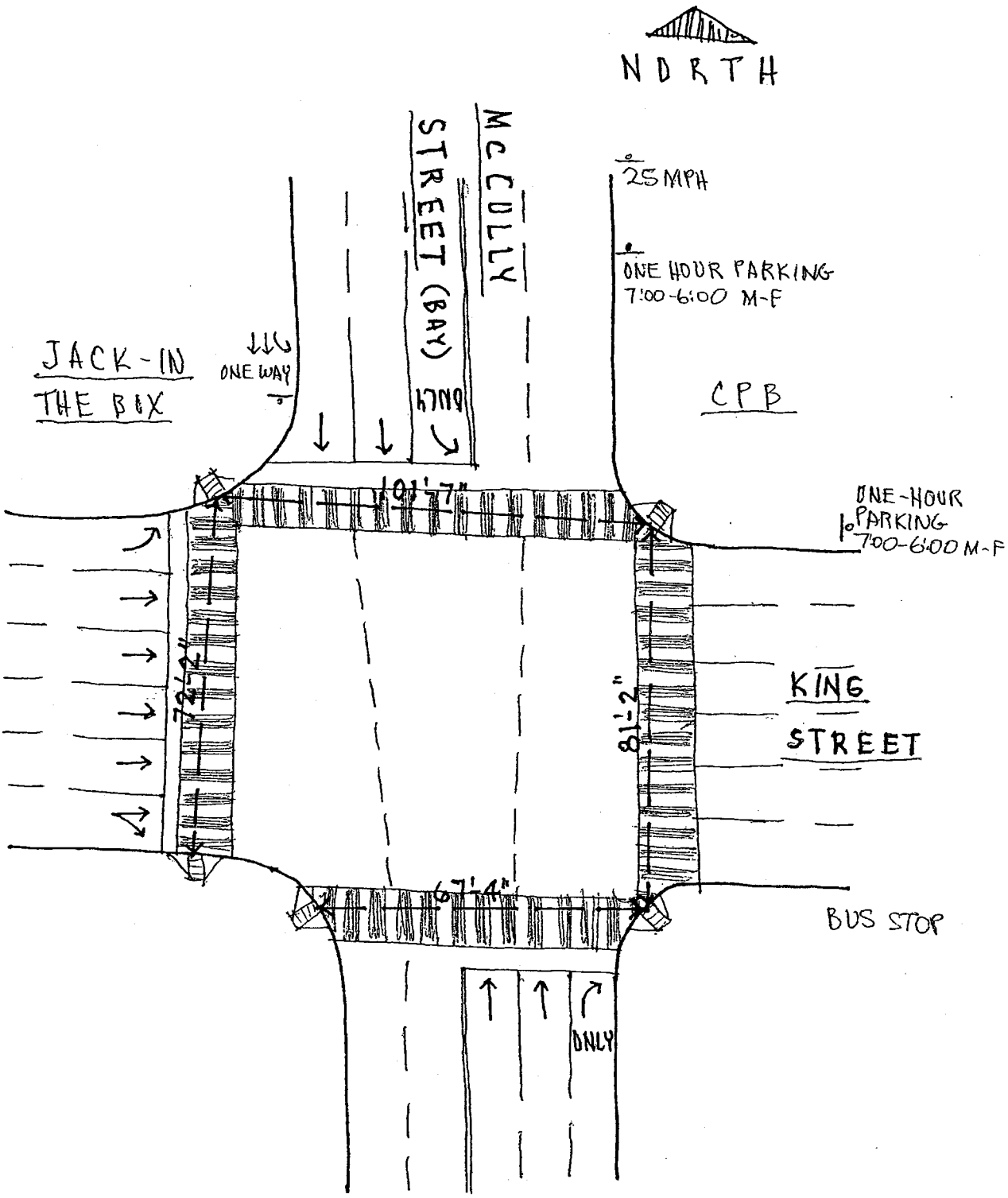
Counter:D4-3890, D4-5671
Counted:ZW, LE
Weather:Clear

File Name : KinMcC PM
Site Code : 00000012
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					X-Walk North / South At King Street Westbound					McCully Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	71	103	0	3	177	0	0	0	9	9	0	204	24	21	249	41	509	48	6	604	1039
04:15 PM	64	102	0	6	172	0	0	0	4	4	0	223	29	16	268	39	557	35	8	639	1083
04:30 PM	59	95	0	5	159	0	0	0	12	12	0	188	26	34	248	35	570	47	11	663	1082
04:45 PM	54	120	0	8	182	0	0	0	8	8	0	189	26	22	237	41	558	36	15	650	1077
Total	248	420	0	22	690	0	0	0	33	33	0	804	105	93	1002	156	2194	166	40	2556	4281
05:00 PM	69	116	0	3	188	0	0	0	4	4	0	186	29	30	245	40	550	46	8	644	1081
05:15 PM	48	120	0	4	172	0	0	0	1	1	0	199	22	25	246	29	621	49	8	707	1126
05:30 PM	45	187	0	4	236	0	0	0	7	7	0	202	26	17	245	34	538	67	13	652	1140
05:45 PM	36	122	0	10	168	0	0	0	4	4	0	167	26	29	222	25	506	49	7	587	981
Total	198	545	0	21	764	0	0	0	16	16	0	754	103	101	958	128	2215	211	36	2590	4328
Grand Total	446	965	0	43	1454	0	0	0	49	49	0	1558	208	194	1960	284	4409	377	76	5146	8609
Apprch %	30.7	66.4	0	3		0	0	0	100		0	79.5	10.6	9.9		5.5	85.7	7.3	1.5		
Total %	5.2	11.2	0	0.5	16.9	0	0	0	0.6	0.6	0	18.1	2.4	2.3	22.8	3.3	51.2	4.4	0.9	59.8	

	McCully Street Southbound					X-Walk North / South At King Street Westbound					McCully Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	54	120	0	**8**	182	0	0	0	**8**	**8**	0	189	26	22	237	**41**	558	36	**15**	650	1077
05:00 PM	**69**	116	0	3	188	0	0	0	4	4	0	186	**29**	**30**	245	40	550	46	8	644	1081
05:15 PM	48	120	0	4	172	0	0	0	1	1	0	199	22	25	**246**	29	**621**	49	8	**707**	1126
05:30 PM	45	**187**	0	4	**236**	0	0	0	7	7	0	**202**	26	17	245	34	538	**67**	13	652	**1140**
Total Volume	216	543	0	19	778	0	0	0	20	20	0	.776	103	94	973	144	2267	198	44	2653	4424
% App. Total	27.8	69.8	0	2.4		0	0	0	100		0	79.8	10.6	9.7		5.4	85.5	7.5	1.7		
PHF	.783	.726	.000	.594	.824	.000	.000	.000	.625	.625	.000	.960	.888	.783	.989	.878	.913	.739	.733	.938	.970


NORTH
McCOLLY
STREET (BAY)
25 MPH
ONE HOUR PARKING
7:00-6:00 M-F
JACK-IN
THE BOX
ONE WAY
ONLY
CPB
101'7"
ONE-HOUR
PARKING
7:00-6:00 M-F
72'-2"
81'-2"
KING
STREET
67'-4"
BUS STOP
ONLY

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, T-1841
Counted:VT, ER
Weather:Clear

File Name : Kinlsen AM
Site Code : 00000013
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	Isenberg Street Southbound					X-Walk North / South At King Street Westbound					Isenberg Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	22	97	0	6	125	0	0	0	3	3	0	41	10	11	62	4	141	31	1	177	367
06:45 AM	26	93	0	4	123	0	0	0	4	4	0	73	14	10	97	6	198	29	1	234	458
Total	48	190	0	10	248	0	0	0	7	7	0	114	24	21	159	10	339	60	2	411	825
07:00 AM	34	91	0	1	126	0	0	0	7	7	0	99	11	12	122	10	251	39	2	302	557
07:15 AM	43	67	0	2	112	0	0	0	7	7	0	119	31	25	175	6	293	49	6	354	648
07:30 AM	43	39	0	7	89	0	0	0	3	3	0	118	22	18	158	12	317	33	9	371	621
07:45 AM	53	34	0	7	94	0	0	0	2	2	0	72	19	18	109	13	282	34	7	336	541
Total	173	231	0	17	421	0	0	0	19	19	0	408	83	73	564	41	1143	155	24	1363	2367
08:00 AM	44	22	0	12	78	0	0	0	1	1	0	76	22	16	114	6	243	38	9	296	489
08:15 AM	47	35	0	13	95	0	0	0	4	4	0	61	21	22	104	15	277	35	10	337	540
Grand Total	312	478	0	52	842	0	0	0	31	31	0	659	150	132	941	72	2002	288	45	2407	4221
Apprch %	37.1	56.8	0	6.2		0	0	0	100		0	70	15.9	14		3	83.2	12	1.9		
Total %	7.4	11.3	0	1.2	19.9	0	0	0	0.7	0.7	0	15.6	3.6	3.1	22.3	1.7	47.4	6.8	1.1	57	

	Isenberg Street Southbound					X-Walk North / South At King Street Westbound					Isenberg Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	34	**91**	0	1	**126**	0	0	0	**7**	**7**	0	99	11	12	122	10	251	39	2	302	557
07:15 AM	43	67	0	2	112	0	0	0	7	7	0	**119**	**31**	**25**	**175**	6	293	**49**	6	354	**648**
07:30 AM	43	39	0	**7**	89	0	0	0	3	3	0	118	22	18	158	12	**317**	33	**9**	**371**	621
07:45 AM	**53**	34	0	7	94	0	0	0	2	2	0	72	19	18	109	**13**	282	34	7	336	541
Total Volume	173	231	0	17	421	0	0	0	19	19	0	408	83	73	564	41	1143	155	24	1363	2367
% App. Total	41.1	54.9	0	4		0	0	0	100		0	72.3	14.7	12.9		3	83.9	11.4	1.8		
PHF	.816	.635	.000	.607	.835	.000	.000	.000	.679	.679	.000	.857	.669	.730	.806	.788	.901	.791	.667	.918	.913

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:-1839, T-1841
Counted:ER, MB
Weather:Clear

File Name : KinIsen MIDDAY
Site Code : 00000013
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	Isenberg Street Southbound					X-Walk North / South At King Street Westbound					Isenberg Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	65	60	0	7	132	0	0	0	4	4	0	30	8	22	60	16	303	39	5	363	559
11:15 AM	46	46	0	7	99	0	0	0	4	4	0	30	18	28	76	19	324	39	19	401	580
11:30 AM	68	58	0	12	138	0	0	0	9	9	0	30	22	25	77	14	326	50	11	401	625
11:45 AM	65	60	0	19	144	0	0	0	5	5	0	22	22	17	61	20	350	47	10	427	637
Total	244	224	0	45	513	0	0	0	22	22	0	112	70	92	274	69	1303	175	45	1592	2401
12:00 PM	72	55	0	11	138	0	0	0	5	5	0	34	17	23	74	18	403	51	10	482	699
12:15 PM	67	57	0	6	130	0	0	0	3	3	0	25	19	14	58	25	365	54	9	453	644
12:30 PM	71	56	0	16	143	0	0	0	8	8	0	25	13	21	59	19	325	51	11	406	616
12:45 PM	60	59	0	7	126	0	0	0	8	8	0	35	17	20	72	19	332	42	3	396	602
Total	270	227	0	40	537	0	0	0	24	24	0	119	66	78	263	81	1425	198	33	1737	2561
Grand Total	514	451	0	85	1050	0	0	0	46	46	0	231	136	170	537	150	2728	373	78	3329	4962
Apprch %	49	43	0	8.1		0	0	0	100		0	43	25.3	31.7		4.5	81.9	11.2	2.3		
Total %	10.4	9.1	0	1.7	21.2	0	0	0	0.9	0.9	0	4.7	2.7	3.4	10.8	3	55	7.5	1.6	67.1	

	Isenberg Street Southbound					X-Walk North / South At King Street Westbound					Isenberg Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	68	58	0	12	138	0	0	0	**9**	**9**	0	30	**22**	**25**	**77**	14	326	50	**11**	401	625
11:45 AM	65	**60**	0	**19**	**144**	0	0	0	5	5	0	22	22	17	61	20	350	47	10	427	637
12:00 PM	**72**	55	0	11	138	0	0	0	5	5	0	**34**	17	23	74	18	**403**	51	10	**482**	**699**
12:15 PM	67	57	0	6	130	0	0	0	3	3	0	25	19	14	58	**25**	365	**54**	9	453	644
Total Volume	272	230	0	48	550	0	0	0	22	22	0	111	80	79	270	77	1444	202	40	1763	2605
% App. Total	49.5	41.8	0	8.7		0	0	0	100		0	41.1	29.6	29.3		4.4	81.9	11.5	2.3		
PHF	.944	.958	.000	.632	.955	.000	.000	.000	.611	.611	.000	.816	.909	.790	.877	.770	.896	.935	.909	.914	.932

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

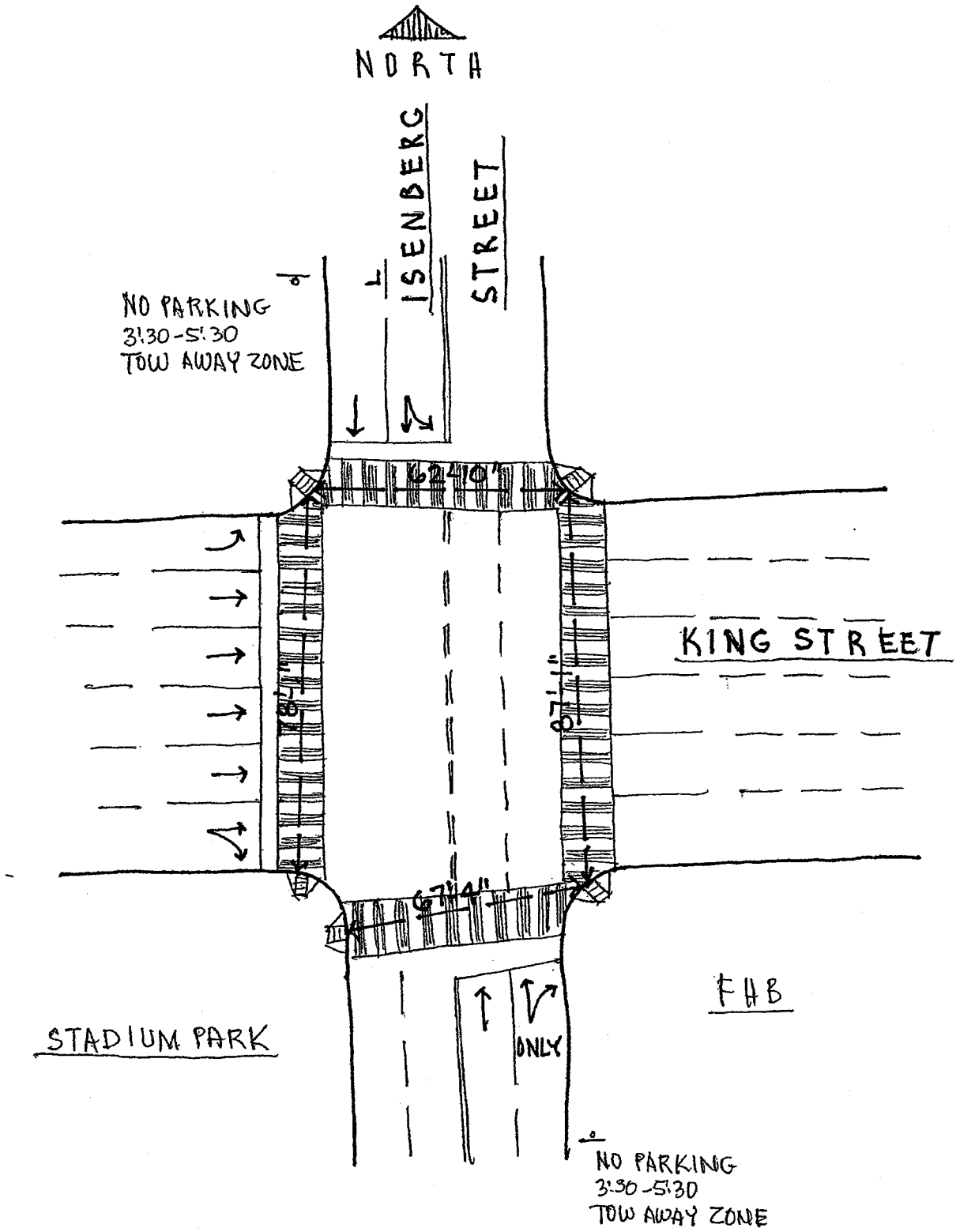
Counter: T-1839, T-1841
Counted:ER, AF
Weather:Clear

File Name : KinIsen PM
Site Code : 00000013
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	Isenberg Street Southbound					X-Walk North / South At King Street Westbound					Isenberg Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	68	76	0	5	149	0	0	0	10	10	0	28	22	21	71	25	496	65	5	591	821
04:15 PM	77	89	0	5	171	0	0	0	3	3	0	36	19	26	81	14	492	90	10	606	861
04:30 PM	87	76	0	5	168	0	0	0	5	5	0	50	22	42	114	15	536	73	8	632	919
04:45 PM	80	60	0	11	151	0	0	0	7	7	0	39	19	27	85	21	508	78	14	621	864
Total	312	301	0	26	639	0	0	0	25	25	0	153	82	116	351	75	2032	306	37	2450	3465
05:00 PM	85	80	0	11	176	0	0	0	6	6	0	37	17	42	96	17	559	71	6	653	931
05:15 PM	76	79	0	14	169	0	0	0	5	5	0	38	25	35	98	16	524	86	15	641	913
05:30 PM	99	148	0	12	259	0	0	0	9	9	0	36	16	23	75	17	476	80	5	578	921
05:45 PM	80	62	0	15	157	0	0	0	8	8	0	40	20	22	82	18	447	92	7	564	811
Total	340	369	0	52	761	0	0	0	28	28	0	151	78	122	351	68	2006	329	33	2436	3576
Grand Total	652	670	0	78	1400	0	0	0	53	53	0	304	160	238	702	143	4038	635	70	4886	7041
Apprch %	46.6	47.9	0	5.6		0	0	0	100		0	43.3	22.8	33.9		2.9	82.6	13	1.4		
Total %	9.3	9.5	0	1.1	19.9	0	0	0	0.8	0.8	0	4.3	2.3	3.4	10	2	57.3	9	1	69.4	

	Isenberg Street Southbound					X-Walk North / South At King Street Westbound					Isenberg Street Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	80	60	0	11	151	0	0	0	7	7	0	**39**	19	27	85	**21**	508	78	14	621	864
05:00 PM	85	80	0	11	176	0	0	0	6	6	0	37	17	**42**	96	17	**559**	71	6	**653**	**931**
05:15 PM	76	79	0	**14**	169	0	0	0	5	5	0	38	**25**	35	**98**	16	524	**86**	**15**	641	913
05:30 PM	**99**	**148**	0	12	**259**	0	0	0	**9**	**9**	0	36	16	23	75	17	476	80	5	578	921
Total Volume	340	367	0	48	755	0	0	0	27	27	0	150	77	127	354	71	2067	315	40	2493	3629
% App. Total	45	48.6	0	6.4		0	0	0	100		0	42.4	21.8	35.9		2.8	82.9	12.6	1.6		
PHF	.859	.620	.000	.857	.729	.000	.000	.000	.750	.750	.000	.962	.770	.756	.903	.845	.924	.916	.667	.954	.974


NORTH
ISENBERG
STREET
NO PARKING
3:30-5:30
TOW AWAY ZONE
62'-10"
KING STREET
78'-11"
87'-11"
67'-4"
FAB
STADIUM PARK
ONLY
NO PARKING
3:30-5:30
TOW AWAY ZONE

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0525, D4-5677
Counted:JY, RY
Weather:Clear

File Name : KinUni AM
Site Code : 00000015
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	University Avenue Southbound					King Street Westbound					University Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	22	55	17	8	102	7	328	36	8	379	29	133	9	5	176	45	93	17	5	160	817
06:45 AM	43	60	25	9	137	6	335	70	11	422	36	158	3	11	208	82	123	36	8	249	1016
Total	65	115	42	17	239	13	663	106	19	801	65	291	12	16	384	127	216	53	13	409	1833
07:00 AM	48	82	35	19	184	8	333	112	16	469	31	154	8	9	202	96	160	44	10	310	1165
07:15 AM	67	89	48	2	206	5	347	81	23	456	43	167	10	16	236	120	209	46	9	384	1282
07:30 AM	69	100	49	24	242	12	294	89	14	409	50	143	6	27	226	131	172	57	15	375	1252
07:45 AM	70	78	66	16	230	8	409	72	15	504	29	155	7	25	216	103	216	51	8	378	1328
Total	254	349	198	61	862	33	1383	354	68	1838	153	619	31	77	880	450	757	198	42	1447	5027
08:00 AM	75	68	51	13	207	6	333	53	33	425	42	142	6	40	230	88	155	39	12	294	1156
08:15 AM	82	88	39	15	224	19	273	65	29	386	51	131	9	23	214	90	142	27	18	277	1101
Grand Total	476	620	330	106	1532	71	2652	578	149	3450	311	1183	58	156	1708	755	1270	317	85	2427	9117
Apprch %	31.1	40.5	21.5	6.9		2.1	76.9	16.8	4.3		18.2	69.3	3.4	9.1		31.1	52.3	13.1	3.5		
Total %	5.2	6.8	3.6	1.2	16.8	0.8	29.1	6.3	1.6	37.8	3.4	13	0.6	1.7	18.7	8.3	13.9	3.5	0.9	26.6	

	University Avenue Southbound					King Street Westbound					University Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	48	82	35	19	184	8	333	**112**	16	469	31	154	8	9	202	96	160	44	10	310	1165
07:15 AM	67	89	48	2	206	5	347	81	**23**	456	43	**167**	**10**	16	**236**	120	209	46	9	**384**	1282
07:30 AM	69	**100**	49	**24**	**242**	**12**	294	89	14	409	**50**	143	6	**27**	226	**131**	172	**57**	**15**	375	1252
07:45 AM	**70**	78	**66**	16	230	8	**409**	72	15	**504**	29	155	7	25	216	103	**216**	51	8	378	**1328**
Total Volume	254	349	198	61	862	33	1383	354	68	1838	153	619	31	77	880	450	757	198	42	1447	5027
% App. Total	29.5	40.5	23	7.1		1.8	75.2	19.3	3.7		17.4	70.3	3.5	8.8		31.1	52.3	13.7	2.9		
PHF	.907	.873	.750	.635	.890	.688	.845	.790	.739	.912	.765	.927	.775	.713	.932	.859	.876	.868	.700	.942	.946

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0525, D4-5677
Counted:JY, RY
Weather:Clear

File Name : KinUni Midday
Site Code : 00000015
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	University Avenue Southbound					King Street Westbound					University Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	39	56	49	22	166	18	166	34	13	231	20	65	17	24	126	65	195	24	18	302	825
11:15 AM	39	68	29	10	146	19	146	34	27	226	35	93	29	30	187	67	226	23	11	327	886
11:30 AM	51	71	30	36	188	18	161	19	39	237	35	72	22	26	155	89	260	25	13	387	967
11:45 AM	56	113	78	39	286	11	148	29	26	214	40	84	35	36	195	97	281	28	25	431	1126
Total	185	308	186	107	786	66	621	116	105	908	130	314	103	116	663	318	962	100	67	1447	3804
12:00 PM	58	76	38	34	206	19	127	27	24	197	27	90	30	33	180	96	306	36	9	447	1030
12:15 PM	61	68	45	21	195	13	181	23	31	248	36	74	25	29	164	101	226	10	14	351	958
12:30 PM	37	82	28	36	183	24	162	19	21	226	33	79	15	17	144	99	251	32	14	396	949
12:45 PM	37	51	19	38	145	20	150	37	14	221	30	62	20	31	143	105	217	12	26	360	869
Total	193	277	130	129	729	76	620	106	90	892	126	305	90	110	631	401	1000	90	63	1554	3806
Grand Total	378	585	316	236	1515	142	1241	222	195	1800	256	619	193	226	1294	719	1962	190	130	3001	7610
Apprch %	25	38.6	20.9	15.6		7.9	68.9	12.3	10.8		19.8	47.8	14.9	17.5		24	65.4	6.3	4.3		
Total %	5	7.7	4.2	3.1	19.9	1.9	16.3	2.9	2.6	23.7	3.4	8.1	2.5	3	17	9.4	25.8	2.5	1.7	39.4	

	University Avenue Southbound					King Street Westbound					University Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	51	71	30	36	188	18	161	19	**39**	237	35	72	22	26	155	89	260	25	13	387	967
11:45 AM	56	**113**	**78**	**39**	**286**	11	148	**29**	26	214	**40**	84	**35**	**36**	**195**	97	281	28	**25**	431	**1126**
12:00 PM	58	76	38	34	206	**19**	127	27	24	197	27	**90**	30	33	180	96	**306**	**36**	9	**447**	1030
12:15 PM	**61**	68	45	21	195	13	**181**	23	31	**248**	36	74	25	29	164	**101**	226	10	14	351	958
Total Volume	226	328	191	130	875	61	617	98	120	896	138	320	112	124	694	383	1073	99	61	1616	4081
% App. Total	25.8	37.5	21.8	14.9		6.8	68.9	10.9	13.4		19.9	46.1	16.1	17.9		23.7	66.4	6.1	3.8		
PHF	.926	.726	.612	.833	.765	.803	.852	.845	.769	.903	.863	.889	.800	.861	.890	.948	.877	.688	.610	.904	.906

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

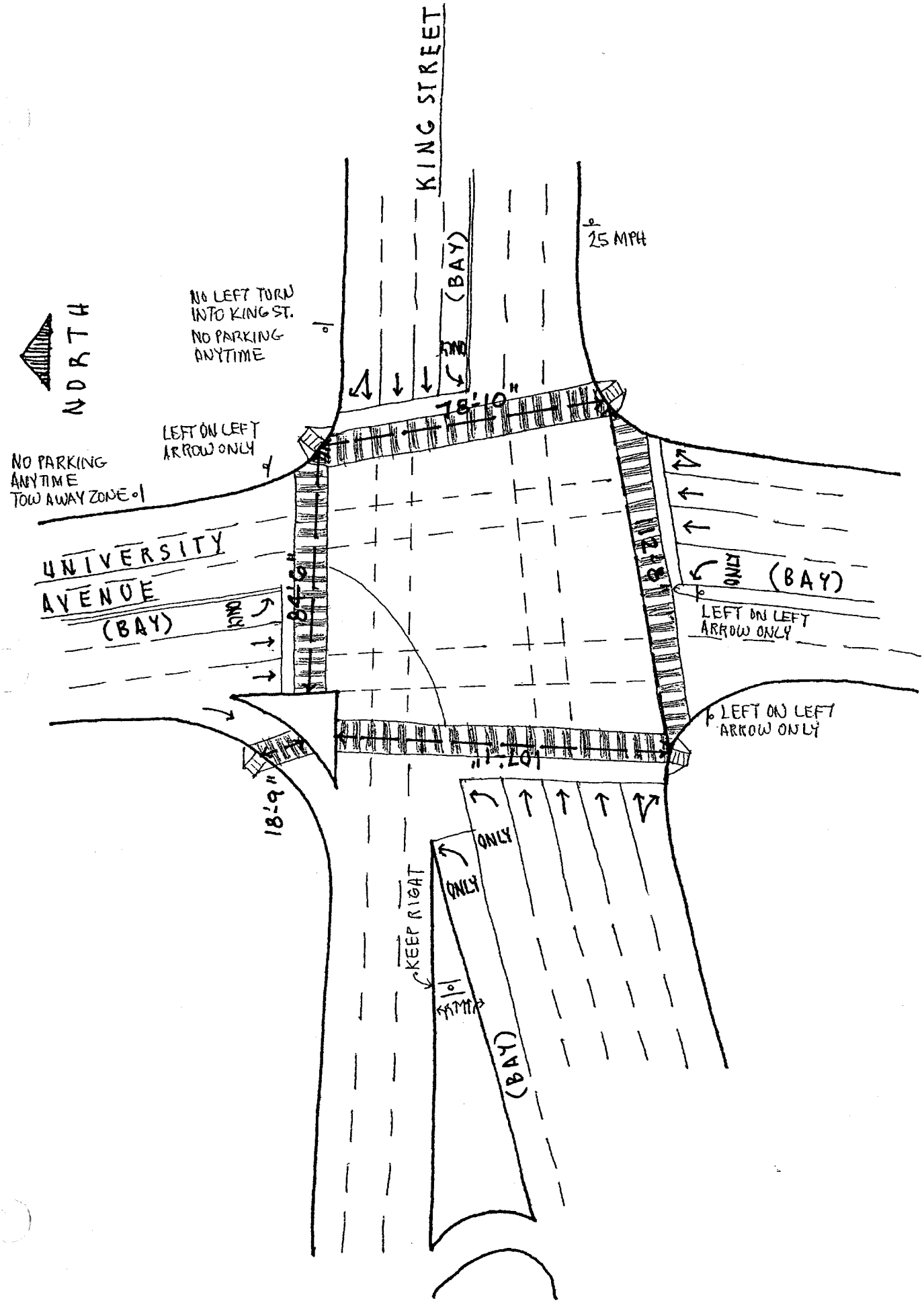
Counter:D1-0525, D4-5677
Counted:JY, RY
Weather:Clear

File Name : KinUni PM
Site Code : 00000015
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	University Avenue Southbound					King Street Westbound					University Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	55	117	45	20	237	17	160	48	16	241	34	109	37	30	210	82	387	44	26	539	1227
04:15 PM	71	117	40	15	243	15	187	42	22	266	44	120	27	37	228	81	365	40	15	501	1238
04:30 PM	70	134	53	11	268	20	137	41	28	226	47	120	27	47	241	100	332	50	20	502	1237
04:45 PM	67	110	37	67	281	22	170	36	24	252	37	106	31	49	223	106	393	20	28	547	1303
Total	263	478	175	113	1029	74	654	167	90	985	162	455	122	163	902	369	1477	154	89	2089	5005
05:00 PM	66	122	31	14	233	24	160	35	22	241	31	115	34	40	220	101	356	38	25	520	1214
05:15 PM	89	165	20	36	310	18	143	21	31	213	52	114	32	26	224	115	344	16	31	506	1253
05:30 PM	66	86	49	40	241	17	129	26	17	189	40	123	13	50	226	80	438	36	16	570	1226
05:45 PM	56	136	29	30	251	11	143	22	23	199	23	114	22	25	184	79	380	52	24	535	1169
Total	277	509	129	120	1035	70	575	104	93	842	146	466	101	141	854	375	1518	142	96	2131	4862
Grand Total	540	987	304	233	2064	144	1229	271	183	1827	308	921	223	304	1756	744	2995	296	185	4220	9867
Apprch %	26.2	47.8	14.7	11.3		7.9	67.3	14.8	10		17.5	52.4	12.7	17.3		17.6	71	7	4.4		
Total %	5.5	10	3.1	2.4	20.9	1.5	12.5	2.7	1.9	18.5	3.1	9.3	2.3	3.1	17.8	7.5	30.4	3	1.9	42.8	

	University Avenue Southbound					King Street Westbound					University Avenue Northbound					King Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	70	134	**53**	11	268	20	137	**41**	28	226	47	**120**	27	47	**241**	100	332	**50**	20	502	1237
04:45 PM	67	110	37	**67**	281	22	**170**	36	24	**252**	37	106	31	**49**	223	106	**393**	20	28	**547**	**1303**
05:00 PM	66	122	31	14	233	**24**	160	35	22	241	31	115	**34**	40	220	101	356	38	25	520	1214
05:15 PM	**89**	**165**	20	36	**310**	18	143	21	**31**	213	**52**	114	32	26	224	**115**	344	16	**31**	506	1253
Total Volume	292	531	141	128	1092	84	610	133	105	932	167	455	124	162	908	422	1425	124	104	2075	5007
% App. Total	26.7	48.6	12.9	11.7		9	65.5	14.3	11.3		18.4	50.1	13.7	17.8		20.3	68.7	6	5		
PHF	.820	.805	.665	.478	.881	.875	.897	.811	.847	.925	.803	.948	.912	.827	.942	.917	.906	.620	.839	.948	.961


KING STREET
25 MPH
NORTH
NO LEFT TURN INTO KING ST.
NO PARKING ANYTIME
(BAY)
ONLY
78'-10"
LEFT ON LEFT ARROW ONLY
NO PARKING ANYTIME TOW AWAY ZONE
UNIVERSITY AVENUE
(BAY)
ONLY
84'-9"
108'-8"
ONLY
(BAY)
LEFT ON LEFT ARROW ONLY
LEFT ON LEFT ARROW ONLY
111'-10"
18'-9"
ONLY
ONLY
KEEP RIGHT
RAMP
(BAY)

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D1-0769
Counted:SW, KF
Weather:Clear

File Name : KinKah AM
Site Code : 00000016
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	King Street Westbound					Kahuna Lane Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	1	345	6	24	376	16	0	2	9	27	0	155	3	0	158	561
06:45 AM	0	0	340	7	44	391	26	0	1	14	41	0	227	4	0	231	663
Total	0	1	685	13	68	767	42	0	3	23	68	0	382	7	0	389	1224
07:00 AM	0	0	324	5	43	372	31	0	2	3	36	0	301	1	0	302	710
07:15 AM	0	1	362	7	48	418	47	3	3	12	65	0	341	1	0	342	825
07:30 AM	0	0	297	11	25	333	22	2	8	10	42	0	316	0	0	316	691
07:45 AM	0	0	324	8	51	383	21	6	11	20	58	0	340	3	0	343	784
Total	0	1	1307	31	167	1506	121	11	24	45	201	0	1298	5	0	1303	3010
08:00 AM	0	0	294	7	42	343	16	2	3	22	43	0	272	2	0	274	660
08:15 AM	0	1	257	5	33	296	14	0	2	7	23	0	277	6	0	283	602
Grand Total	0	3	2543	56	310	2912	193	13	32	97	335	0	2229	20	0	2249	5496
Apprch %		0.1	87.3	1.9	10.6		57.6	3.9	9.6	29		0	99.1	0.9	0		
Total %	0	0.1	46.3	1	5.6	53	3.5	0.2	0.6	1.8	6.1	0	40.6	0.4	0	40.9	

	Southbound	King Street Westbound					Kahuna Lane Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	0	324	5	43	372	31	0	2	3	36	0	301	1	0	302	710
07:15 AM	0	**1**	**362**	7	48	**418**	**47**	3	3	12	**65**	0	**341**	1	0	342	**825**
07:30 AM	0	0	297	**11**	25	333	22	2	8	10	42	0	316	0	0	316	691
07:45 AM	0	0	324	8	**51**	383	21	**6**	**11**	**20**	58	0	340	**3**	0	**343**	784
Total Volume	0	1	1307	31	167	1506	121	11	24	45	201	0	1298	5	0	1303	3010
% App. Total		0.1	86.8	2.1	11.1		60.2	5.5	11.9	22.4		0	99.6	0.4	0		
PHF	.000	.250	.903	.705	.819	.901	.644	.458	.545	.563	.773	.000	.952	.417	.000	.950	.912

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D1-0769
Counted:SW, KF
Weather:Clear

File Name : KinKah Midday
Site Code : 00000016
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	King Street Westbound					Kahuna Lane Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	1	213	0	31	245	15	0	4	31	50	0	276	2	0	278	573
11:15 AM	0	1	189	0	34	224	5	0	3	23	31	0	283	8	0	291	546
11:30 AM	0	0	192	0	39	231	1	0	4	34	39	0	332	5	0	337	607
11:45 AM	0	2	175	0	35	212	7	0	3	17	27	0	341	8	0	349	588
Total	0	4	769	0	139	912	28	0	14	105	147	0	1232	23	0	1255	2314
12:00 PM	0	7	177	0	38	222	7	0	5	30	42	0	393	14	0	407	671
12:15 PM	0	3	199	0	31	233	10	0	9	12	31	0	332	13	0	345	609
12:30 PM	0	1	187	0	36	224	8	0	8	15	31	0	311	6	0	317	572
12:45 PM	0	1	213	0	26	240	9	0	12	7	28	0	301	6	0	307	575
Total	0	12	776	0	131	919	34	0	34	64	132	0	1337	39	0	1376	2427
Grand Total	0	16	1545	0	270	1831	62	0	48	169	279	0	2569	62	0	2631	4741
Apprch %		0.9	84.4	0	14.7		22.2	0	17.2	60.6		0	97.6	2.4	0		
Total %	0	0.3	32.6	0	5.7	38.6	1.3	0	1	3.6	5.9	0	54.2	1.3	0	55.5	

	Southbound	King Street Westbound					Kahuna Lane Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	0	0	192	0	**39**	231	1	0	4	**34**	39	0	332	5	0	337	607
11:45 AM	0	2	175	0	35	212	7	0	3	17	27	0	341	8	0	349	588
12:00 PM	0	**7**	177	0	38	222	7	0	5	30	**42**	0	**393**	**14**	0	**407**	**671**
12:15 PM	0	3	**199**	0	31	**233**	**10**	0	**9**	12	31	0	332	13	0	345	609
Total Volume	0	12	743	0	143	898	25	0	21	93	139	0	1398	40	0	1438	2475
% App. Total		1.3	82.7	0	15.9		18	0	15.1	66.9		0	97.2	2.8	0		
PHF	.000	.429	.933	.000	.917	.964	.625	.000	.583	.684	.827	.000	.889	.714	.000	.883	.922

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

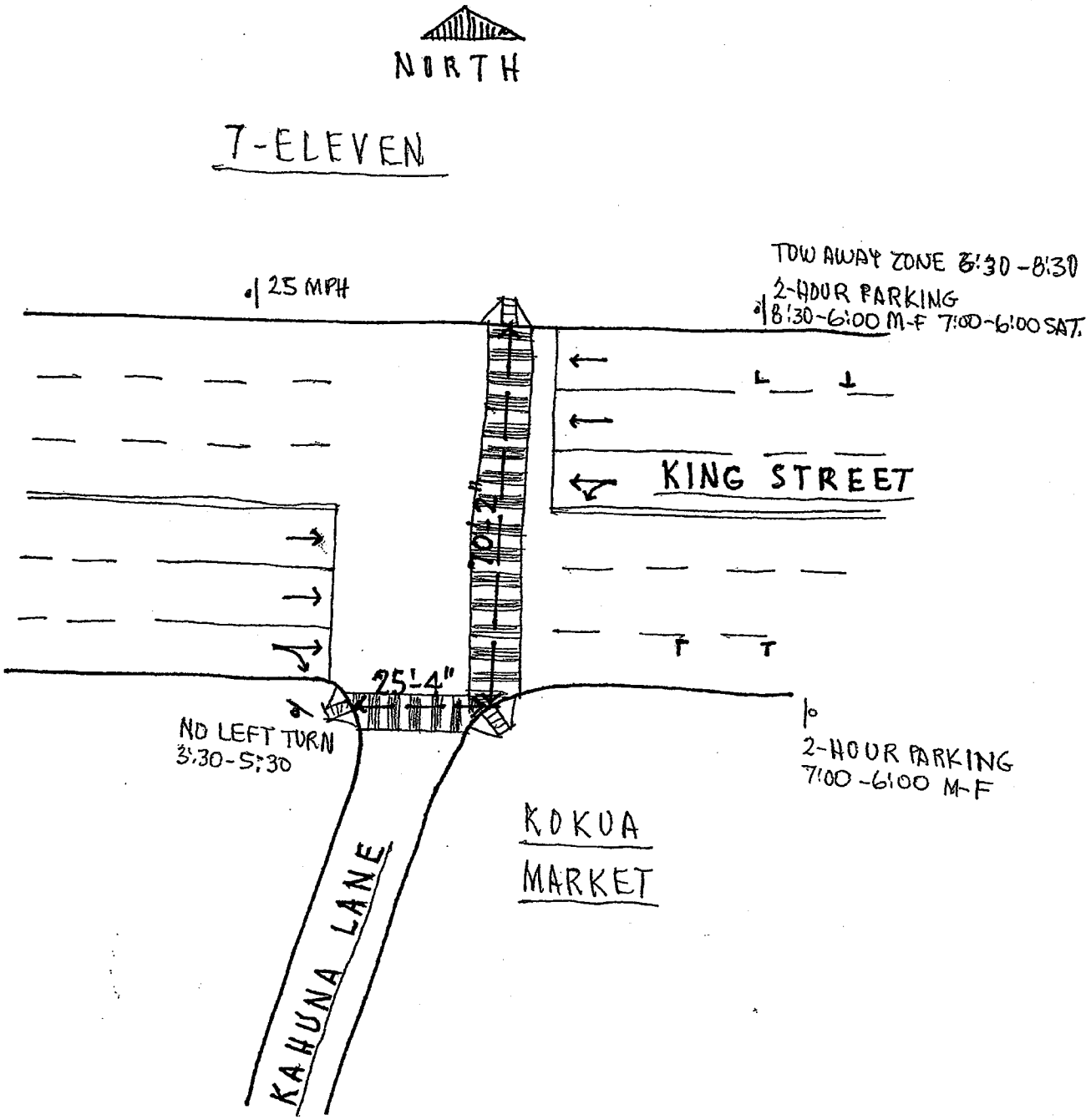
Counter:D4-3888, D1-0769
Counted:SW, RL
Weather:Clear

File Name : KinKah PM
Site Code : 00000016
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	King Street Westbound					Kahuna Lane Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	178	0	40	218	8	0	8	15	31	0	453	0	0	453	702
04:15 PM	0	6	222	0	42	270	8	0	17	33	58	0	489	5	0	494	822
04:30 PM	0	0	175	0	40	215	6	0	8	42	56	0	445	7	0	452	723
04:45 PM	0	0	187	0	52	239	17	0	18	24	59	0	507	8	0	515	813
Total	0	6	762	0	174	942	39	0	51	114	204	0	1894	20	0	1914	3060
05:00 PM	0	5	192	0	36	233	14	0	15	39	68	0	487	4	0	491	792
05:15 PM	0	1	166	0	32	199	10	0	22	22	54	0	498	6	0	504	757
05:30 PM	0	0	138	0	44	182	9	0	8	31	48	0	509	4	0	513	743
05:45 PM	0	5	157	0	17	179	10	0	13	11	34	0	418	5	0	423	636
Total	0	11	653	0	129	793	43	0	58	103	204	0	1912	19	0	1931	2928
Grand Total	0	17	1415	0	303	1735	82	0	109	217	408	0	3806	39	0	3845	5988
Apprch %		1	81.6	0	17.5		20.1	0	26.7	53.2		0	99	1	0		
Total %	0	0.3	23.6	0	5.1	29	1.4	0	1.8	3.6	6.8	0	63.6	0.7	0	64.2	

	Southbound	King Street Westbound					Kahuna Lane Northbound					King Street Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	0	**6**	**222**	0	42	**270**	8	0	17	33	58	0	489	5	0	494	**822**
04:30 PM	0	0	175	0	40	215	6	0	8	**42**	56	0	445	7	0	452	723
04:45 PM	0	0	187	0	**52**	239	**17**	0	**18**	24	59	0	**507**	**8**	0	**515**	813
05:00 PM	0	5	192	0	36	233	14	0	15	39	**68**	0	487	4	0	491	792
Total Volume	0	11	776	0	170	957	45	0	58	138	241	0	1928	24	0	1952	3150
% App. Total		1.1	81.1	0	17.8		18.7	0	24.1	57.3		0	98.8	1.2	0		
PHF	.000	.458	.874	.000	.817	.886	.662	.000	.806	.821	.886	.000	.951	.750	.000	.948	.958


NORTH
7-ELEVEN
25 MPH
TOW AWAY ZONE 8:30-8:30
2-HOUR PARKING
8:30-6:00 M-F 7:00-6:00 SAT.
KING STREET
70'-2"
25'-4"
NO LEFT TURN
3:30-5:30
2-HOUR PARKING
7:00-6:00 M-F
KOKUA
MARKET
KAHUNA LANE

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0525, D4-3888
Counted:DY, SW
Weather:Clear

File Name : YouPen AM
Site Code : 00000017
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Young Street Westbound					Pensacola Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	16	169	7	5	197	18	20	0	5	43	0	0	0	4	4	0	10	7	15	32	276
06:45 AM	18	186	6	3	213	18	40	0	18	76	0	0	0	1	1	0	23	7	8	38	328
Total	34	355	13	8	410	36	60	0	23	119	0	0	0	5	5	0	33	14	23	70	604
07:00 AM	15	221	5	13	254	28	44	0	13	85	0	0	0	7	7	0	21	12	23	56	402
07:15 AM	13	269	10	11	303	27	68	0	20	115	0	0	0	5	5	0	22	9	21	52	475
07:30 AM	20	359	10	12	401	38	50	0	20	108	0	0	0	6	6	0	35	13	35	83	598
07:45 AM	30	383	11	5	429	47	47	0	51	145	0	0	0	18	18	0	22	21	29	72	664
Total	78	1232	36	41	1387	140	209	0	104	453	0	0	0	36	36	0	100	55	108	263	2139
08:00 AM	4	355	37	7	403	46	65	0	29	140	0	0	0	5	5	0	27	12	9	48	596
08:15 AM	22	308	8	2	340	30	54	0	30	114	0	0	0	13	13	0	22	10	0	32	499
Grand Total	138	2250	94	58	2540	252	388	0	186	826	0	0	0	59	59	0	182	91	140	413	3838
Apprch %	5.4	88.6	3.7	2.3		30.5	47	0	22.5		0	0	0	100		0	44.1	22	33.9		
Total %	3.6	58.6	2.4	1.5	66.2	6.6	10.1	0	4.8	21.5	0	0	0	1.5	1.5	0	4.7	2.4	3.6	10.8	

	Pensacola Street Southbound					Young Street Westbound					Pensacola Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	20	359	10	**12**	401	38	50	0	20	108	0	0	0	6	6	0	**35**	13	**35**	**83**	598
07:45 AM	**30**	**383**	11	5	**429**	**47**	47	0	**51**	**145**	0	0	0	**18**	**18**	0	22	**21**	29	72	**664**
08:00 AM	4	355	**37**	7	403	46	**65**	0	29	140	0	0	0	5	5	0	27	12	9	48	596
08:15 AM	22	308	8	2	340	30	54	0	30	114	0	0	0	13	13	0	22	10	0	32	499
Total Volume	76	1405	66	26	1573	161	216	0	130	507	0	0	0	42	42	0	106	56	73	235	2357
% App. Total	4.8	89.3	4.2	1.7		31.8	42.6	0	25.6		0	0	0	100		0	45.1	23.8	31.1		
PHF	.633	.917	.446	.542	.917	.856	.831	.000	.637	.874	.000	.000	.000	.583	.583	.000	.757	.667	.521	.708	.887

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0525, D4-3888
Counted:JY, SW
Weather:Clear

File Name : YouPen MIDDAY
Site Code : 00000017
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Young Street Westbound					Pensacola Street Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	30	372	7	8	417	41	28	0	29	98	0	0	0	8	8	0	31	13	7	51	574
11:15 AM	23	343	7	0	373	47	33	0	16	96	0	0	0	6	6	0	24	4	14	42	517
11:30 AM	14	366	5	0	385	39	39	0	20	98	0	0	0	10	10	0	28	18	10	56	549
11:45 AM	16	452	9	0	477	44	36	0	20	100	0	0	0	11	11	0	27	18	0	45	633
Total	83	1533	28	8	1652	171	136	0	85	392	0	0	0	35	35	0	110	53	31	194	2273
12:00 PM	30	360	10	29	429	52	49	0	31	132	0	0	0	11	11	0	28	32	15	75	647
12:15 PM	15	367	12	21	415	22	50	0	23	95	0	0	0	16	16	0	34	18	27	79	605
12:30 PM	14	373	26	1	414	37	66	0	23	126	0	0	0	17	17	0	25	19	23	67	624
12:45 PM	8	308	5	13	334	47	61	0	12	120	0	0	0	13	13	0	27	18	9	54	521
Total	67	1408	53	64	1592	158	226	0	89	473	0	0	0	57	57	0	114	87	74	275	2397
Grand Total	150	2941	81	72	3244	329	362	0	174	865	0	0	0	92	92	0	224	140	105	469	4670
Apprch %	4.6	90.7	2.5	2.2		38	41.8	0	20.1		0	0	0	100		0	47.8	29.9	22.4		
Total %	3.2	63	1.7	1.5	69.5	7	7.8	0	3.7	18.5	0	0	0	2	2	0	4.8	3	2.2	10	

	Pensacola Street Southbound					Young Street Westbound					Pensacola Street Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	16	**452**	9	0	**477**	44	36	0	20	100	0	0	0	11	11	0	27	18	0	45	633
12:00 PM	**30**	360	10	**29**	429	**52**	49	0	**31**	**132**	0	0	0	11	11	0	**28**	**32**	**15**	75	**647**
12:15 PM	15	367	12	21	415	22	50	0	23	95	0	0	0	16	16	0	**34**	18	**27**	**79**	605
12:30 PM	14	373	**26**	1	414	37	**66**	0	23	126	0	0	0	**17**	**17**	0	25	19	23	67	624
Total Volume	75	1552	57	51	1735	155	201	0	97	453	0	0	0	55	55	0	114	87	65	266	2509
% App. Total	4.3	89.5	3.3	2.9		34.2	44.4	0	21.4		0	0	0	100		0	42.9	32.7	24.4		
PHF	.625	.858	.548	.440	.909	.745	.761	.000	.782	.858	.000	.000	.000	.809	.809	.000	.838	.680	.602	.842	.969

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0525, D4-3888
Counted:JY, SW
Weather:Clear

File Name : YouPen PM
Site Code : 00000017
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Young Street Westbound					Pensacola Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	15	334	2	10	361	42	42	0	21	105	0	0	0	1	1	0	39	11	31	81	548
04:15 PM	16	277	5	12	310	40	45	0	16	101	0	0	0	0	0	0	37	19	12	68	479
04:30 PM	14	334	2	0	350	30	51	0	25	106	0	0	0	1	1	0	40	19	0	59	516
04:45 PM	17	332	5	0	354	35	40	0	16	91	0	0	0	0	0	0	31	6	7	44	489
Total	62	1277	14	22	1375	147	178	0	78	403	0	0	0	2	2	0	147	55	50	252	2032
05:00 PM	21	370	4	4	399	33	54	0	6	93	0	0	0	8	8	0	34	15	11	60	560
05:15 PM	13	287	6	15	321	40	41	0	19	100	0	0	0	5	5	0	32	11	9	52	478
05:30 PM	11	302	0	0	313	23	31	0	11	65	0	0	0	7	7	0	27	4	0	31	416
05:45 PM	7	354	0	6	367	27	35	0	16	78	0	0	0	4	4	0	29	7	19	55	504
Total	52	1313	10	25	1400	123	161	0	52	336	0	0	0	24	24	0	122	37	39	198	1958
Grand Total	114	2590	24	47	2775	270	339	0	130	739	0	0	0	26	26	0	269	92	89	450	3990
Apprch %	4.1	93.3	0.9	1.7		36.5	45.9	0	17.6		0	0	0	100		0	59.8	20.4	19.8		
Total %	2.9	64.9	0.6	1.2	69.5	6.8	8.5	0	3.3	18.5	0	0	0	0.7	0.7	0	6.7	2.3	2.2	11.3	

	Pensacola Street Southbound					Young Street Westbound					Pensacola Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	16	277	**5**	**12**	310	**40**	45	0	16	101	0	0	0	0	0	0	37	**19**	**12**	**68**	479
04:30 PM	14	334	2	0	350	30	51	0	**25**	**106**	0	0	0	1	1	0	**40**	19	0	59	516
04:45 PM	17	332	5	0	354	35	40	0	16	91	0	0	0	0	0	0	31	6	7	44	489
05:00 PM	**21**	**370**	4	4	**399**	33	**54**	0	6	93	0	0	0	**8**	**8**	0	34	15	11	60	**560**
Total Volume	68	1313	16	16	1413	138	190	0	63	391	0	0	0	9	9	0	142	59	30	231	2044
% App. Total	4.8	92.9	1.1	1.1		35.3	48.6	0	16.1		0	0	0	100		0	61.5	25.5	13		
PHF	.810	.887	.800	.333	.885	.863	.880	.000	.630	.922	.000	.000	.000	.281	.281	.000	.888	.776	.625	.849	.913

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

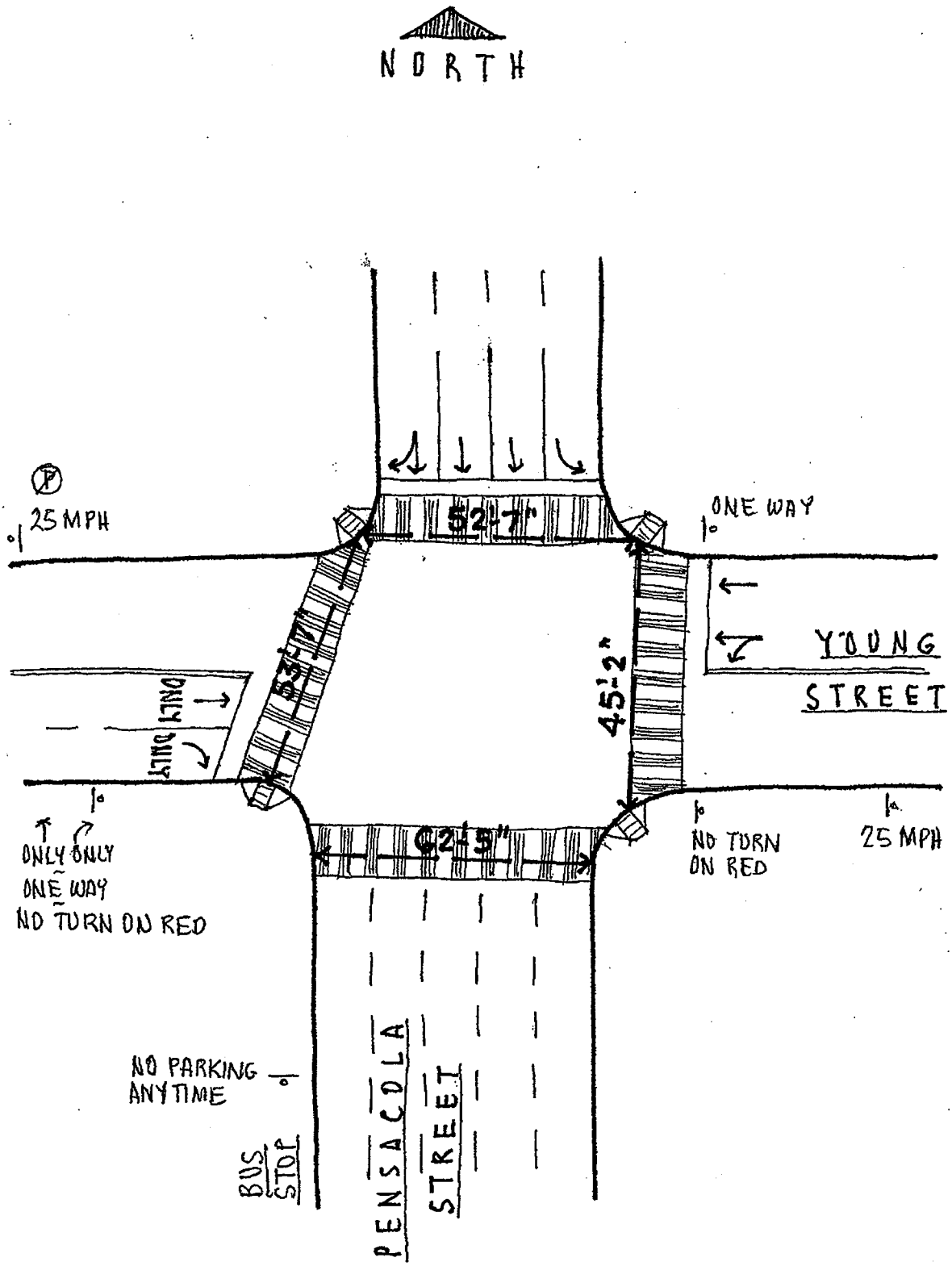
Counter:D4-5677, D4-3889
Counted:DY, KK
Weather:Clear

File Name : YouPen MID
Site Code : 00000017
Start Date : 6/7/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Young Street Westbound					Pensacola Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	25	353	8	14	400	23	23	0	19	65	0	0	0	12	12	0	32	18	13	63	540
11:15 AM	31	346	7	20	404	45	35	0	23	103	0	0	0	15	15	0	31	26	21	78	600
11:30 AM	29	368	14	9	420	45	37	0	30	112	0	0	0	10	10	0	37	18	15	70	612
11:45 AM	23	383	10	15	431	40	35	0	28	103	0	0	0	15	15	0	42	24	24	90	639
Total	108	1450	39	58	1655	153	130	0	100	383	0	0	0	52	52	0	142	86	73	301	2391
12:00 PM	26	371	11	11	419	30	31	0	23	84	0	0	0	20	20	0	35	21	35	91	614
12:15 PM	37	345	8	13	403	35	38	0	18	91	0	0	0	4	4	0	28	16	21	65	563
12:30 PM	22	351	4	13	390	27	31	0	17	75	0	0	0	11	11	0	28	6	13	47	523
12:45 PM	19	372	5	24	420	34	22	0	14	70	0	0	0	5	5	0	41	18	19	78	573
Total	104	1439	28	61	1632	126	122	0	72	320	0	0	0	40	40	0	132	61	88	281	2273
Grand Total	212	2889	67	119	3287	279	252	0	172	703	0	0	0	92	92	0	274	147	161	582	4664
Apprch %	6.4	87.9	2	3.6		39.7	35.8	0	24.5		0	0	0	100		0	47.1	25.3	27.7		
Total %	4.5	61.9	1.4	2.6	70.5	6	5.4	0	3.7	15.1	0	0	0	2	2	0	5.9	3.2	3.5	12.5	

	Pensacola Street Southbound					Young Street Westbound					Pensacola Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	**31**	346	7	**20**	404	**45**	35	0	23	103	0	0	0	15	15	0	31	**26**	21	78	600
11:30 AM	29	368	**14**	9	420	45	**37**	0	**30**	**112**	0	0	0	10	10	0	37	18	15	70	612
11:45 AM	23	**383**	10	15	**431**	40	35	0	28	103	0	0	0	15	15	0	**42**	24	24	90	**639**
12:00 PM	26	371	11	11	419	30	31	0	23	84	0	0	0	**20**	**20**	0	35	21	**35**	**91**	614
Total Volume	109	1468	42	55	1674	160	138	0	104	402	0	0	0	60	60	0	145	89	95	329	2465
% App. Total	6.5	87.7	2.5	3.3		39.8	34.3	0	25.9		0	0	0	100		0	44.1	27.1	28.9		
PHF	.879	.958	.750	.688	.971	.889	.932	.000	.867	.897	.000	.000	.000	.750	.750	.000	.863	.856	.679	.904	.964


NORTH
25 MPH
52'-7"
ONE WAY
YOUNG
STREET
45'-2"
53'-7"
ONLY
ONLY
ONLY ONLY
ONE WAY
NO TURN ON RED
62'-5"
NO TURN
ON RED
25 MPH
NO PARKING
ANYTIME
BUS
STOP
PENSACOLA
STREET

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676
Counted:TO
Weather:Clear

File Name : YouPii AM
Site Code : 00000018
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Young Street Westbound					Piikoi Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	5	5	0	27	29	1	57	18	176	4	8	206	9	21	0	5	35	303
06:45 AM	0	0	0	7	7	0	36	35	5	76	18	230	5	5	258	20	20	0	13	53	394
Total	0	0	0	12	12	0	63	64	6	133	36	406	9	13	464	29	41	0	18	88	697
07:00 AM	0	0	0	3	3	0	54	40	6	100	18	270	10	3	301	15	33	0	16	64	468
07:15 AM	0	0	0	7	7	0	74	28	14	116	35	307	11	6	359	10	28	0	17	55	537
07:30 AM	0	0	0	7	7	0	77	27	9	113	25	290	10	4	329	19	46	0	17	82	531
07:45 AM	0	0	0	13	13	0	86	37	17	140	32	229	6	7	274	15	34	0	32	81	508
Total	0	0	0	30	30	0	291	132	46	469	110	1096	37	20	1263	59	141	0	82	282	2044
08:00 AM	0	0	0	10	10	0	87	40	21	148	35	231	11	8	285	24	43	0	15	82	525
08:15 AM	0	0	0	3	3	0	70	35	9	114	22	250	7	5	284	26	38	0	7	71	472
Grand Total	0	0	0	55	55	0	511	271	82	864	203	1983	64	46	2296	138	263	0	122	523	3738
Apprch %	0	0	0	100		0	59.1	31.4	9.5		8.8	86.4	2.8	2		26.4	50.3	0	23.3		
Total %	0	0	0	1.5	1.5	0	13.7	7.2	2.2	23.1	5.4	53	1.7	1.2	61.4	3.7	7	0	3.3	14	

	Piikoi Street Southbound					Young Street Westbound					Piikoi Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	0	7	7	0	74	28	14	116	**35**	**307**	**11**	6	**359**	10	28	0	17	55	**537**
07:30 AM	0	0	0	7	7	0	77	27	9	113	25	290	10	4	329	**19**	**46**	0	17	**82**	531
07:45 AM	0	0	0	**13**	**13**	0	86	37	17	140	32	229	6	7	274	15	34	0	**32**	81	508
08:00 AM	0	0	0	10	10	0	**87**	**40**	**21**	**148**	35	231	11	**8**	285	**24**	43	0	15	82	525
Total Volume	0	0	0	37	37	0	324	132	61	517	127	1057	38	25	1247	68	151	0	81	300	2101
% App. Total	0	0	0	100		0	62.7	25.5	11.8		10.2	84.8	3	2		22.7	50.3	0	27		
PHF	.000	.000	.000	.712	.712	.000	.931	.825	.726	.873	.907	.861	.864	.781	.868	.708	.821	.000	.633	.915	.978

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-3890
Counted:ZW, MM
Weather:Clear

File Name : YouPii MIDDAY
Site Code : 00000019
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Young Street Westbound					Piikoi Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	3	3	0	44	32	6	82	28	443	6	0	477	34	56	0	10	100	662
11:15 AM	0	0	0	1	1	0	36	60	1	97	27	372	7	2	408	40	42	0	6	88	594
11:30 AM	0	0	0	3	3	0	40	35	12	87	21	356	5	1	383	21	67	0	4	92	565
11:45 AM	0	0	0	11	11	0	100	75	2	177	36	475	8	0	519	21	49	0	8	78	785
Total	0	0	0	18	18	0	220	202	21	443	112	1646	26	3	1787	116	214	0	28	358	2606
12:00 PM	0	0	0	6	6	0	54	50	21	125	20	427	7	5	459	30	56	0	5	91	681
12:15 PM	0	0	0	9	9	0	66	52	0	118	37	418	11	1	467	25	62	0	21	108	702
12:30 PM	0	0	0	6	6	0	55	50	3	108	21	433	11	2	467	30	51	0	18	99	680
12:45 PM	0	0	0	4	4	0	62	43	8	113	34	461	8	1	504	27	55	0	9	91	712
Total	0	0	0	25	25	0	237	195	32	464	112	1739	37	9	1897	112	224	0	53	389	2775
Grand Total	0	0	0	43	43	0	457	397	53	907	224	3385	63	12	3684	228	438	0	81	747	5381
Apprch %	0	0	0	100		0	50.4	43.8	5.8		6.1	91.9	1.7	0.3		30.5	58.6	0	10.8		
Total %	0	0	0	0.8	0.8	0	8.5	7.4	1	16.9	4.2	62.9	1.2	0.2	68.5	4.2	8.1	0	1.5	13.9	

	Piikoi Street Southbound					Young Street Westbound					Piikoi Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	0	0	**11**	**11**	0	**100**	**75**	2	**177**	36	**475**	8	0	**519**	21	49	0	8	78	**785**
12:00 PM	0	0	0	6	6	0	54	50	**21**	125	20	427	7	**5**	459	**30**	56	0	5	91	681
12:15 PM	0	0	0	9	9	0	66	52	0	118	**37**	418	**11**	1	467	25	**62**	0	**21**	**108**	702
12:30 PM	0	0	0	6	6	0	55	50	3	108	21	433	11	2	467	30	51	0	18	99	680
Total Volume	0	0	0	32	32	0	275	227	26	528	114	1753	37	8	1912	106	218	0	52	376	2848
% App. Total	0	0	0	100		0	52.1	43	4.9		6	91.7	1.9	0.4		28.2	58	0	13.8		
PHF	.000	.000	.000	.727	.727	.000	.688	.757	.310	.746	.770	.923	.841	.400	.921	.883	.879	.000	.619	.870	.907

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-3890
Counted:ZW, MM
Weather:Clear

File Name : YouPii PM
Site Code : 00000019
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Young Street Westbound					Piikoi Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	1	1	0	79	62	9	150	23	445	9	4	481	22	57	0	14	93	725
04:15 PM	0	0	0	1	1	0	97	38	4	139	20	488	14	0	522	22	49	0	15	86	748
04:30 PM	0	0	0	3	3	0	76	46	6	128	15	531	4	0	550	30	45	0	9	84	765
04:45 PM	0	0	0	10	10	0	87	62	4	153	20	418	4	4	446	28	61	0	18	107	716
Total	0	0	0	15	15	0	339	208	23	570	78	1882	31	8	1999	102	212	0	56	370	2954
05:00 PM	0	0	0	0	0	0	106	84	4	194	25	549	9	8	591	30	56	0	7	93	878
05:15 PM	0	0	0	10	10	0	65	57	7	129	22	551	3	7	583	15	46	0	9	70	792
05:30 PM	0	0	0	3	3	0	79	52	9	140	14	492	11	0	517	20	49	0	11	80	740
05:45 PM	0	0	0	4	4	0	96	68	8	172	28	469	11	18	526	21	43	0	17	81	783
Total	0	0	0	17	17	0	346	261	28	635	89	2061	34	33	2217	86	194	0	44	324	3193
Grand Total	0	0	0	32	32	0	685	469	51	1205	167	3943	65	41	4216	188	406	0	100	694	6147
Apprch %	0	0	0	100		0	56.8	38.9	4.2		4	93.5	1.5	1		27.1	58.5	0	14.4		
Total %	0	0	0	0.5	0.5	0	11.1	7.6	0.8	19.6	2.7	64.1	1.1	0.7	68.6	3.1	6.6	0	1.6	11.3	

	Piikoi Street Southbound					Young Street Westbound					Piikoi Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	0	0	0	0	0	0	**106**	**84**	4	**194**	25	549	9	8	**591**	**30**	**56**	0	7	**93**	**878**
05:15 PM	0	0	0	**10**	**10**	0	65	57	7	129	22	**551**	3	7	583	15	46	0	9	70	792
05:30 PM	0	0	0	3	3	0	79	52	**9**	140	14	492	**11**	0	517	20	49	0	11	80	740
05:45 PM	0	0	0	4	4	0	96	68	8	172	**28**	469	11	**18**	526	21	43	0	**17**	81	783
Total Volume	0	0	0	17	17	0	346	261	28	635	89	2061	34	33	2217	86	194	0	44	324	3193
% App. Total	0	0	0	100		0	54.5	41.1	4.4		4	93	1.5	1.5		26.5	59.9	0	13.6		
PHF	.000	.000	.000	.425	.425	.000	.816	.777	.778	.818	.795	.935	.773	.458	.938	.717	.866	.000	.647	.871	.909

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

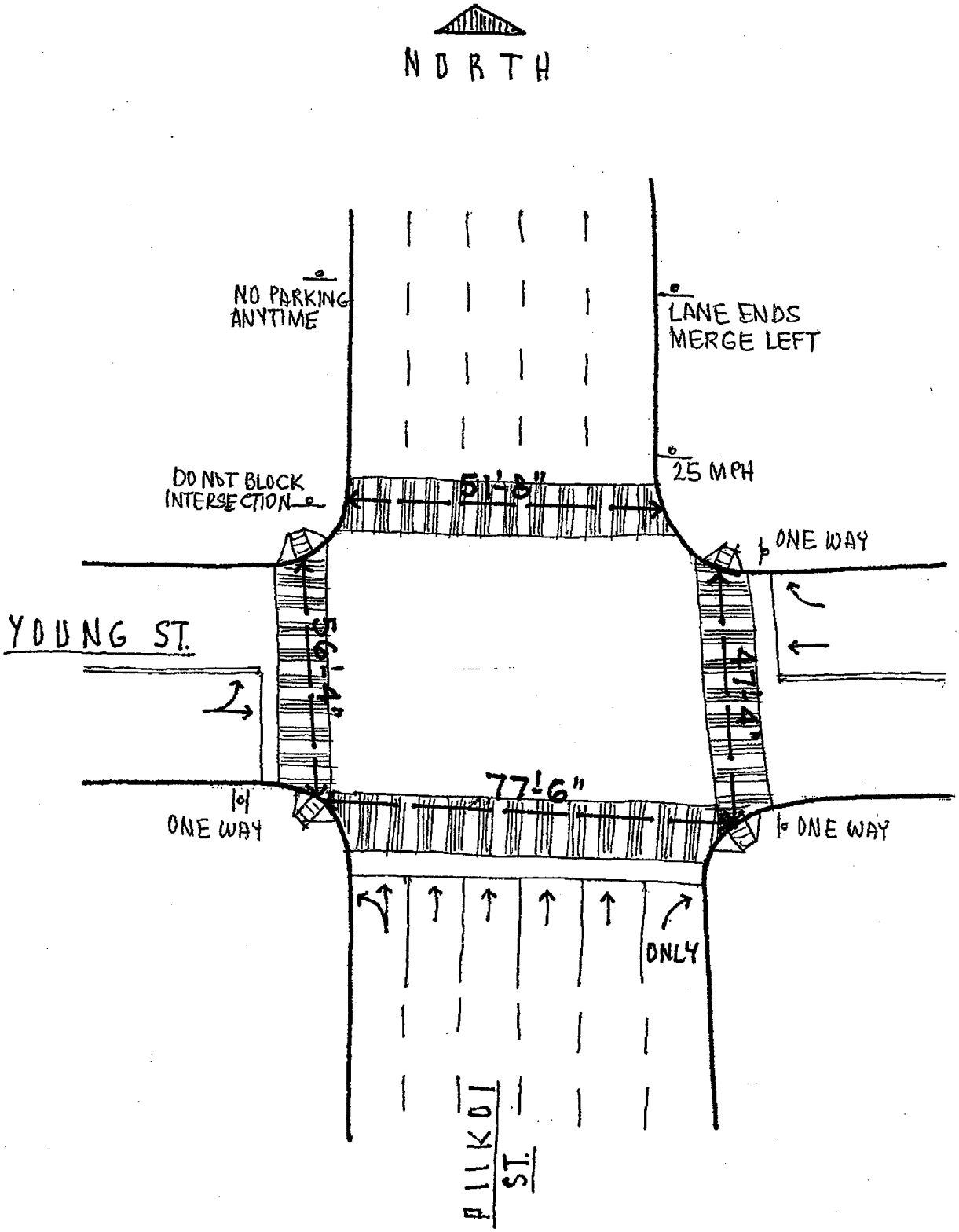
Counter:D4-3888, D4-5673
Counted:RY, JY
Weather:Clear

File Name : YouPii
Site Code : 00000018
Start Date : 6/7/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Young Street Westbound					Piikoi Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	6	6	0	45	46	13	104	31	382	9	4	426	28	57	0	5	90	626
11:15 AM	0	0	0	4	4	0	58	40	8	106	34	384	11	5	434	32	64	0	3	99	643
11:30 AM	0	0	0	2	2	0	46	44	14	104	24	418	12	1	455	36	52	0	2	90	651
11:45 AM	0	0	0	1	1	0	45	49	18	112	23	430	18	2	473	33	56	0	6	95	681
Total	0	0	0	13	13	0	194	179	53	426	112	1614	50	12	1788	129	229	0	16	374	2601
12:00 PM	0	0	0	4	4	0	53	31	14	98	27	413	7	5	452	41	51	0	3	95	649
12:15 PM	0	0	0	4	4	0	43	46	13	102	14	468	11	3	496	24	54	0	0	78	680
12:30 PM	0	0	0	5	5	0	39	35	6	80	17	458	18	4	497	30	64	0	6	100	682
12:45 PM	0	0	0	5	5	0	43	43	10	96	22	450	9	3	484	27	49	0	10	86	671
Total	0	0	0	18	18	0	178	155	43	376	80	1789	45	15	1929	122	218	0	19	359	2682
Grand Total	0	0	0	31	31	0	372	334	96	802	192	3403	95	27	3717	251	447	0	35	733	5283
Apprch %	0	0	0	100		0	46.4	41.6	12		5.2	91.6	2.6	0.7		34.2	61	0	4.8		
Total %	0	0	0	0.6	0.6	0	7	6.3	1.8	15.2	3.6	64.4	1.8	0.5	70.4	4.8	8.5	0	0.7	13.9	

	Piikoi Street Southbound					Young Street Westbound					Piikoi Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	0	0	1	1	0	45	**49**	**18**	**112**	23	430	**18**	2	473	33	56	0	**6**	95	681
12:00 PM	0	0	0	4	4	0	**53**	31	14	98	**27**	413	7	**5**	452	**41**	51	0	3	95	649
12:15 PM	0	0	0	4	4	0	43	46	13	102	14	**468**	11	3	496	24	54	0	0	78	680
12:30 PM	0	0	0	**5**	**5**	0	39	35	6	80	17	458	18	4	**497**	30	**64**	0	6	**100**	**682**
Total Volume	0	0	0	14	14	0	180	161	51	392	81	1769	54	14	1918	128	225	0	15	368	2692
% App. Total	0	0	0	100		0	45.9	41.1	13		4.2	92.2	2.8	0.7		34.8	61.1	0	4.1		
PHF	.000	.000	.000	.700	.700	.000	.849	.821	.708	.875	.750	.945	.750	.700	.965	.780	.879	.000	.625	.920	.987


NORTH
NO PARKING ANYTIME
LANE ENDS MERGE LEFT
25 MPH
DO NOT BLOCK INTERSECTION
51'-8"
ONE WAY
YOUNG ST.
56'-4"
47'-4"
77'-6"
ONE WAY
ONE WAY
ONLY
PILKOI ST.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5672
Counted:SD, RB
Weather:Clear

File Name : YouKee AM
Site Code : 00000019
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Young Street Westbound					Keeaumoku Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	4	164	16	3	187	4	33	13	6	56	3	77	0	0	80	3	4	4	12	23	346
06:45 AM	6	169	19	7	201	7	43	14	15	79	4	91	6	3	104	7	3	7	18	35	419
Total	10	333	35	10	388	11	76	27	21	135	7	168	6	3	184	10	7	11	30	58	765
07:00 AM	7	186	24	2	219	11	66	26	14	117	2	135	2	5	144	10	6	10	11	37	517
07:15 AM	18	235	28	2	283	11	74	30	16	131	5	133	2	4	144	9	15	9	17	50	608
07:30 AM	17	266	24	8	315	12	94	26	9	141	4	132	2	2	140	9	18	11	10	48	644
07:45 AM	10	282	22	4	318	19	99	30	21	169	11	105	3	5	124	7	12	6	10	35	646
Total	52	969	98	16	1135	53	333	112	60	558	22	505	9	16	552	35	51	36	48	170	2415
08:00 AM	8	279	38	1	326	16	95	16	15	142	5	84	0	2	91	11	16	10	13	50	609
08:15 AM	11	241	27	3	282	16	80	15	12	123	8	94	3	0	105	7	13	12	15	47	557
Grand Total	81	1822	198	30	2131	96	584	170	108	958	42	851	18	21	932	63	87	69	106	325	4346
Apprch %	3.8	85.5	9.3	1.4		10	61	17.7	11.3		4.5	91.3	1.9	2.3		19.4	26.8	21.2	32.6		
Total %	1.9	41.9	4.6	0.7	49	2.2	13.4	3.9	2.5	22	1	19.6	0.4	0.5	21.4	1.4	2	1.6	2.4	7.5	

	Keeaumoku Street Southbound					Young Street Westbound					Keeaumoku Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	**18**	235	28	2	283	11	74	**30**	16	131	5	**133**	2	4	**144**	9	15	9	**17**	**50**	608
07:30 AM	17	266	24	**8**	315	12	94	26	9	141	4	132	2	2	140	9	**18**	**11**	10	48	644
07:45 AM	10	**282**	22	4	318	**19**	**99**	30	**21**	**169**	**11**	105	**3**	**5**	124	7	12	6	10	35	**646**
08:00 AM	8	279	**38**	1	**326**	16	95	16	15	142	5	84	0	2	91	**11**	16	10	13	50	609
Total Volume	53	1062	112	15	1242	58	362	102	61	583	25	454	7	13	499	36	61	36	50	183	2507
% App. Total	4.3	85.5	9	1.2		9.9	62.1	17.5	10.5		5	91	1.4	2.6		19.7	33.3	19.7	27.3		
PHF	.736	.941	.737	.469	.952	.763	.914	.850	.726	.862	.568	.853	.583	.650	.866	.818	.847	.818	.735	.915	.970

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5672
Counted:SD, MM
Weather:Clear

File Name : YouKee Midday
Site Code : 00000019
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Young Street Westbound					Keeaumoku Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	13	234	22	2	271	21	45	13	14	93	12	168	5	3	188	8	18	17	16	59	611
11:15 AM	9	208	20	1	238	24	60	23	12	119	15	168	8	0	191	20	27	28	20	95	643
11:30 AM	10	248	21	5	284	20	37	24	11	92	10	159	5	5	179	16	20	22	14	72	627
11:45 AM	14	229	25	2	270	22	44	23	12	101	21	185	5	2	213	21	36	22	11	90	674
Total	46	919	88	10	1063	87	186	83	49	405	58	680	23	10	771	65	101	89	61	316	2555
12:00 PM	11	232	10	7	260	29	48	28	14	119	22	171	2	3	198	28	38	36	16	118	695
12:15 PM	17	215	15	7	254	19	59	32	8	118	12	185	4	2	203	23	23	34	21	101	676
12:30 PM	11	253	15	1	280	17	63	24	10	114	12	193	11	2	218	30	24	31	14	99	711
12:45 PM	22	209	14	3	248	17	58	29	18	122	19	192	3	1	215	16	35	18	13	82	667
Total	61	909	54	18	1042	82	228	113	50	473	65	741	20	8	834	97	120	119	64	400	2749
Grand Total	107	1828	142	28	2105	169	414	196	99	878	123	1421	43	18	1605	162	221	208	125	716	5304
Apprch %	5.1	86.8	6.7	1.3		19.2	47.2	22.3	11.3		7.7	88.5	2.7	1.1		22.6	30.9	29.1	17.5		
Total %	2	34.5	2.7	0.5	39.7	3.2	7.8	3.7	1.9	16.6	2.3	26.8	0.8	0.3	30.3	3.1	4.2	3.9	2.4	13.5	

	Keeaumoku Street Southbound					Young Street Westbound					Keeaumoku Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	14	229	**25**	2	270	22	44	23	12	101	21	185	5	2	213	21	36	22	11	90	674
12:00 PM	11	232	10	**7**	260	**29**	48	28	**14**	**119**	**22**	171	2	**3**	198	28	**38**	**36**	16	**118**	695
12:15 PM	**17**	215	15	7	254	19	59	**32**	8	118	12	185	4	2	203	23	23	34	**21**	101	676
12:30 PM	11	**253**	15	1	**280**	17	**63**	24	10	114	12	**193**	**11**	2	**218**	**30**	24	31	14	99	**711**
Total Volume	53	929	65	17	1064	87	214	107	44	452	67	734	22	9	832	102	121	123	62	408	2756
% App. Total	5	87.3	6.1	1.6		19.2	47.3	23.7	9.7		8.1	88.2	2.6	1.1		25	29.7	30.1	15.2		
PHF	.779	.918	.650	.607	.950	.750	.849	.836	.786	.950	.761	.951	.500	.750	.954	.850	.796	.854	.738	.864	.969

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5672
Counted:SD, RB
Weather:Clear

File Name : YouKee PM
Site Code : 00000019
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Young Street Westbound					Keeaumoku Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	19	214	17	1	251	0	0	0	24	24	10	63	42	0	115	38	286	22	37	383	773
04:15 PM	22	220	16	10	268	0	0	0	23	23	15	56	43	0	114	33	256	32	37	358	763
04:30 PM	14	236	12	3	265	0	0	0	35	35	20	35	60	0	115	39	297	41	24	401	816
04:45 PM	15	248	12	3	278	0	0	0	39	39	16	53	58	0	127	41	285	18	26	370	814
Total	70	918	57	17	1062	0	0	0	121	121	61	207	203	0	471	151	1124	113	124	1512	3166
05:00 PM	10	208	16	4	238	0	0	0	27	27	19	47	56	0	122	37	307	24	23	391	778
05:15 PM	18	224	12	4	258	0	0	0	30	30	17	40	65	0	122	39	294	21	34	388	798
05:30 PM	19	216	11	3	249	0	0	0	23	23	18	56	59	0	133	40	274	18	23	355	760
05:45 PM	19	245	18	8	290	0	0	0	26	26	10	44	44	0	98	29	281	15	26	351	765
Total	66	893	57	19	1035	0	0	0	106	106	64	187	224	0	475	145	1156	78	106	1485	3101
Grand Total	136	1811	114	36	2097	0	0	0	227	227	125	394	427	0	946	296	2280	191	230	2997	6267
Apprch %	6.5	86.4	5.4	1.7		0	0	0	100		13.2	41.6	45.1	0		9.9	76.1	6.4	7.7		
Total %	2.2	28.9	1.8	0.6	33.5	0	0	0	3.6	3.6	2	6.3	6.8	0	15.1	4.7	36.4	3	3.7	47.8	

	Keeaumoku Street Southbound					Young Street Westbound					Keeaumoku Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	14	236	12	3	265	0	0	0	35	35	**20**	35	60	0	115	39	297	**41**	24	**401**	**816**
04:45 PM	15	**248**	12	3	**278**	0	0	0	**39**	**39**	16	**53**	58	0	**127**	**41**	285	18	26	370	814
05:00 PM	10	208	**16**	**4**	238	0	0	0	27	27	19	47	56	0	122	37	**307**	24	23	391	778
05:15 PM	**18**	224	12	4	258	0	0	0	30	30	17	40	**65**	0	122	39	294	21	**34**	388	798
Total Volume	57	916	52	14	1039	0	0	0	131	131	72	175	239	0	486	156	1183	104	107	1550	3206
% App. Total	5.5	88.2	5	1.3		0	0	0	100		14.8	36	49.2	0		10.1	76.3	6.7	6.9		
PHF	.792	.923	.813	.875	.934	.000	.000	.000	.840	.840	.900	.825	.919	.000	.957	.951	.963	.634	.787	.966	.982

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

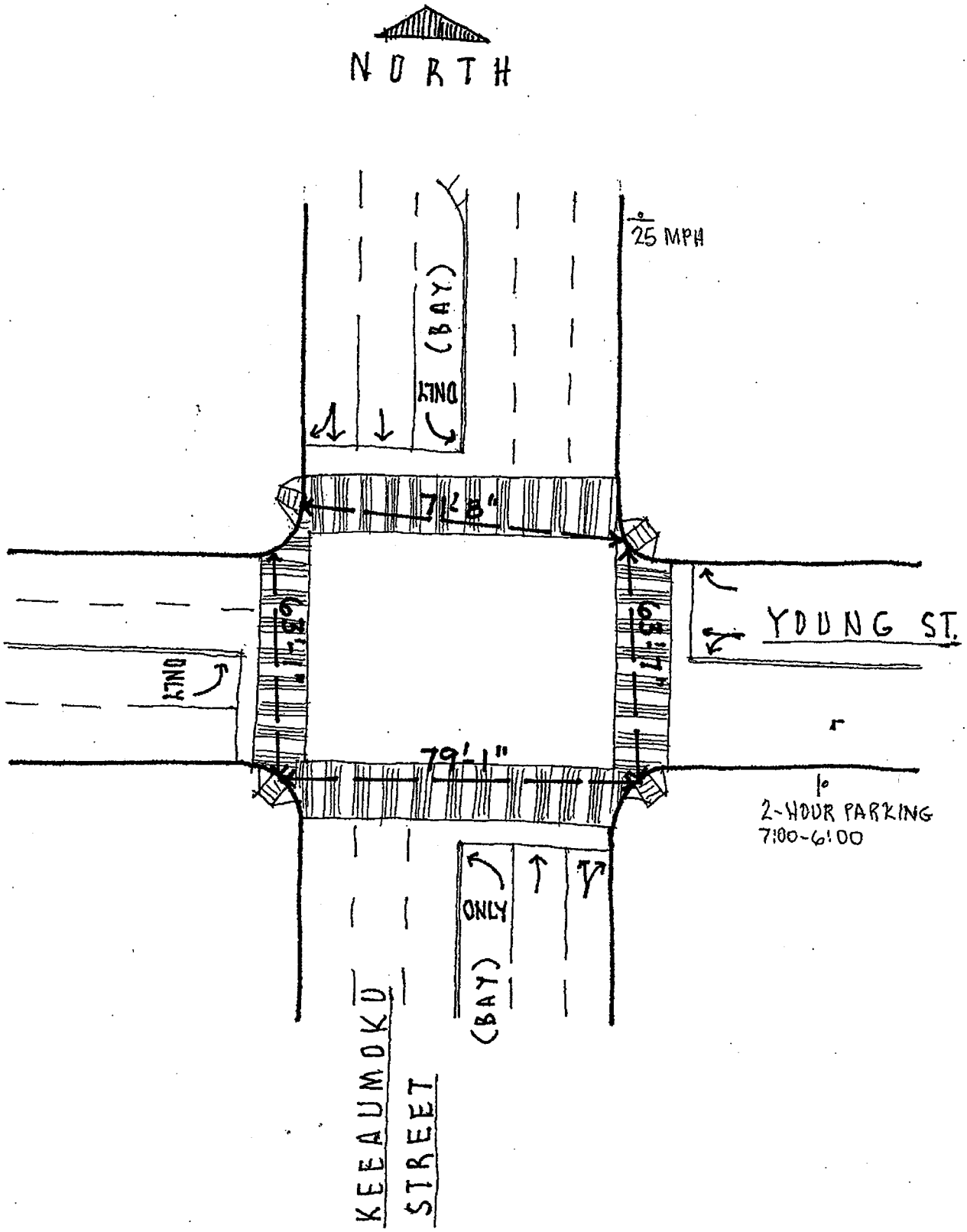
Counter:D4-5676, D4-5674
Counted:KK, JK
Weather:Clear

File Name : YouKee MIDDAY
Site Code : 00000019
Start Date : 6/14/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Young Street Westbound					Keeaumoku Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	13	300	23	3	339	33	55	16	18	122	10	161	4	3	178	10	24	31	19	84	723
11:15 AM	11	286	20	2	319	23	33	15	12	83	8	170	6	1	185	16	22	23	11	72	659
11:30 AM	16	271	15	4	306	22	35	15	18	90	10	157	4	1	172	18	32	31	8	89	657
11:45 AM	15	299	16	2	332	21	42	15	4	82	11	168	3	2	184	21	24	28	7	80	678
Total	55	1156	74	11	1296	99	165	61	52	377	39	656	17	7	719	65	102	113	45	325	2717
12:00 PM	11	281	11	9	312	21	62	28	9	120	11	169	3	5	188	19	27	25	10	81	701
12:15 PM	10	287	20	2	319	23	38	18	13	92	19	188	3	3	213	13	31	39	15	98	722
12:30 PM	12	255	18	4	289	11	60	28	11	110	15	180	3	7	205	18	32	31	10	91	695
12:45 PM	15	253	12	2	282	20	63	21	8	112	14	185	7	1	207	19	33	33	12	97	698
Total	48	1076	61	17	1202	75	223	95	41	434	59	722	16	16	813	69	123	128	47	367	2816
Grand Total	103	2232	135	28	2498	174	388	156	93	811	98	1378	33	23	1532	134	225	241	92	692	5533
Apprch %	4.1	89.4	5.4	1.1		21.5	47.8	19.2	11.5		6.4	89.9	2.2	1.5		19.4	32.5	34.8	13.3		
Total %	1.9	40.3	2.4	0.5	45.1	3.1	7	2.8	1.7	14.7	1.8	24.9	0.6	0.4	27.7	2.4	4.1	4.4	1.7	12.5	

	Keeaumoku Street Southbound					Young Street Westbound					Keeaumoku Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	11	281	11	**9**	312	21	62	**28**	9	**120**	11	169	3	5	188	**19**	27	25	10	81	701
12:15 PM	10	**287**	**20**	2	**319**	**23**	38	18	**13**	92	**19**	**188**	3	3	**213**	13	31	**39**	**15**	**98**	**722**
12:30 PM	12	255	18	4	289	11	60	28	11	110	15	180	3	**7**	205	18	32	31	**10**	91	695
12:45 PM	**15**	253	12	2	282	20	**63**	21	8	112	14	185	**7**	1	207	19	**33**	33	12	97	698
Total Volume	48	1076	61	17	1202	75	223	95	41	434	59	722	16	16	813	69	123	128	47	367	2816
% App. Total	4	89.5	5.1	1.4		17.3	51.4	21.9	9.4		7.3	88.8	2	2		18.8	33.5	34.9	12.8		
PHF	.800	.937	.763	.472	.942	.815	.885	.848	.788	.904	.776	.960	.571	.571	.954	.908	.932	.821	.783	.936	.975


NORTH
25 MPH
(BAY)
ONLY
72'8"
9'8"
9'8"
YOUNG ST.
ONLY
79'1"
2-HOUR PARKING
7:00-6:00
ONLY
(BAY)
KEEAUMOKU
STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0526, D1-0768
Counted:KK, ME
Weather:Clear

File Name : YouKal AM
Site Code : 00000020
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Young Street Westbound					Kalakaua Avenue Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	3	85	1	7	96	4	23	8	7	42	11	91	5	0	107	1	6	2	0	9	254
06:45 AM	2	88	3	1	94	7	35	22	11	75	19	121	7	0	147	2	4	4	0	10	326
Total	5	173	4	8	190	11	58	30	18	117	30	212	12	0	254	3	10	6	0	19	580
07:00 AM	1	70	5	5	81	9	64	16	24	113	39	161	3	0	203	5	6	6	0	17	414
07:15 AM	1	73	7	1	82	4	62	25	19	110	45	170	6	0	221	4	21	12	0	37	450
07:30 AM	2	103	12	11	128	9	83	14	36	142	34	163	4	0	201	1	22	18	0	41	512
07:45 AM	1	151	14	10	176	14	83	15	27	139	32	158	6	0	196	2	10	10	0	22	533
Total	5	397	38	27	467	36	292	70	106	504	150	652	19	0	821	12	59	46	0	117	1909
08:00 AM	7	144	11	6	168	5	88	12	11	116	23	117	6	0	146	3	9	9	0	21	451
08:15 AM	1	144	6	7	158	10	64	11	5	90	27	98	6	0	131	4	16	5	0	25	404
Grand Total	18	858	59	48	983	62	502	123	140	827	230	1079	43	0	1352	22	94	66	0	182	3344
Apprch %	1.8	87.3	6	4.9		7.5	60.7	14.9	16.9		17	79.8	3.2	0		12.1	51.6	36.3	0		
Total %	0.5	25.7	1.8	1.4	29.4	1.9	15	3.7	4.2	24.7	6.9	32.3	1.3	0	40.4	0.7	2.8	2	0	5.4	

	Kalakaua Avenue Southbound					Young Street Westbound					Kalakaua Avenue Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	1	73	7	1	82	4	62	**25**	19	110	**45**	**170**	**6**	0	**221**	**4**	21	12	0	37	450
07:30 AM	2	103	12	**11**	128	9	83	14	**36**	**142**	34	163	4	0	201	1	**22**	**18**	0	**41**	512
07:45 AM	1	**151**	**14**	10	**176**	**14**	83	15	27	139	32	158	6	0	196	2	10	10	0	22	**533**
08:00 AM	**7**	144	11	6	168	5	**88**	12	11	116	23	**117**	6	0	146	3	9	9	0	21	451
Total Volume	11	471	44	28	554	32	316	66	93	507	134	608	22	0	764	10	62	49	0	121	1946
% App. Total	2	85	7.9	5.1		6.3	62.3	13	18.3		17.5	79.6	2.9	0		8.3	51.2	40.5	0		
PHF	.393	.780	.786	.636	.787	.571	.898	.660	.646	.893	.744	.894	.917	.000	.864	.625	.705	.681	.000	.738	.913

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0526, D1-0768
Counted:KK, ME
Weather:Clear

File Name : YouKal Midday
Site Code : 00000020
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Young Street Westbound					Kalakaua Avenue Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	5	148	9	6	168	10	47	5	14	76	16	110	6	0	132	8	17	7	0	32	408
11:15 AM	1	133	10	10	154	14	62	12	12	100	14	107	8	0	129	5	24	8	0	37	420
11:30 AM	1	124	4	15	144	12	50	9	21	92	10	129	9	1	149	4	25	14	0	43	428
11:45 AM	6	167	5	7	185	8	52	11	5	76	10	126	5	2	143	5	31	14	0	50	454
Total	13	572	28	38	651	44	211	37	52	344	50	472	28	3	553	22	97	43	0	162	1710
12:00 PM	4	120	6	5	135	6	56	12	15	89	15	112	16	1	144	3	33	19	0	55	423
12:15 PM	3	154	10	7	174	11	48	9	7	75	15	149	9	0	173	5	32	8	0	45	467
12:30 PM	5	155	5	14	179	10	67	13	11	101	17	110	9	0	136	6	31	12	0	49	465
12:45 PM	2	119	7	5	133	11	57	10	18	96	18	129	12	1	160	9	34	15	0	58	447
Total	14	548	28	31	621	38	228	44	51	361	65	500	46	2	613	23	130	54	0	207	1802
Grand Total	27	1120	56	69	1272	82	439	81	103	705	115	972	74	5	1166	45	227	97	0	369	3512
Apprch %	2.1	88.1	4.4	5.4		11.6	62.3	11.5	14.6		9.9	83.4	6.3	0.4		12.2	61.5	26.3	0		
Total %	0.8	31.9	1.6	2	36.2	2.3	12.5	2.3	2.9	20.1	3.3	27.7	2.1	0.1	33.2	1.3	6.5	2.8	0	10.5	

	Kalakaua Avenue Southbound					Young Street Westbound					Kalakaua Avenue Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	**6**	**167**	5	7	**185**	8	52	11	5	76	10	126	5	**2**	143	5	31	14	0	50	454
12:00 PM	4	120	6	5	135	6	56	12	**15**	89	15	112	**16**	1	144	3	**33**	**19**	0	**55**	423
12:15 PM	3	154	**10**	7	174	**11**	48	9	7	75	15	**149**	9	0	**173**	5	32	8	0	45	**467**
12:30 PM	5	155	5	**14**	179	10	**67**	**13**	11	**101**	**17**	110	9	0	136	**6**	31	12	0	49	465
Total Volume	18	596	26	33	673	35	223	45	38	341	57	497	39	3	596	19	127	53	0	199	1809
% App. Total	2.7	88.6	3.9	4.9		10.3	65.4	13.2	11.1		9.6	83.4	6.5	0.5		9.5	63.8	26.6	0		
PHF	.750	.892	.650	.589	.909	.795	.832	.865	.633	.844	.838	.834	.609	.375	.861	.792	.962	.697	.000	.905	.968

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

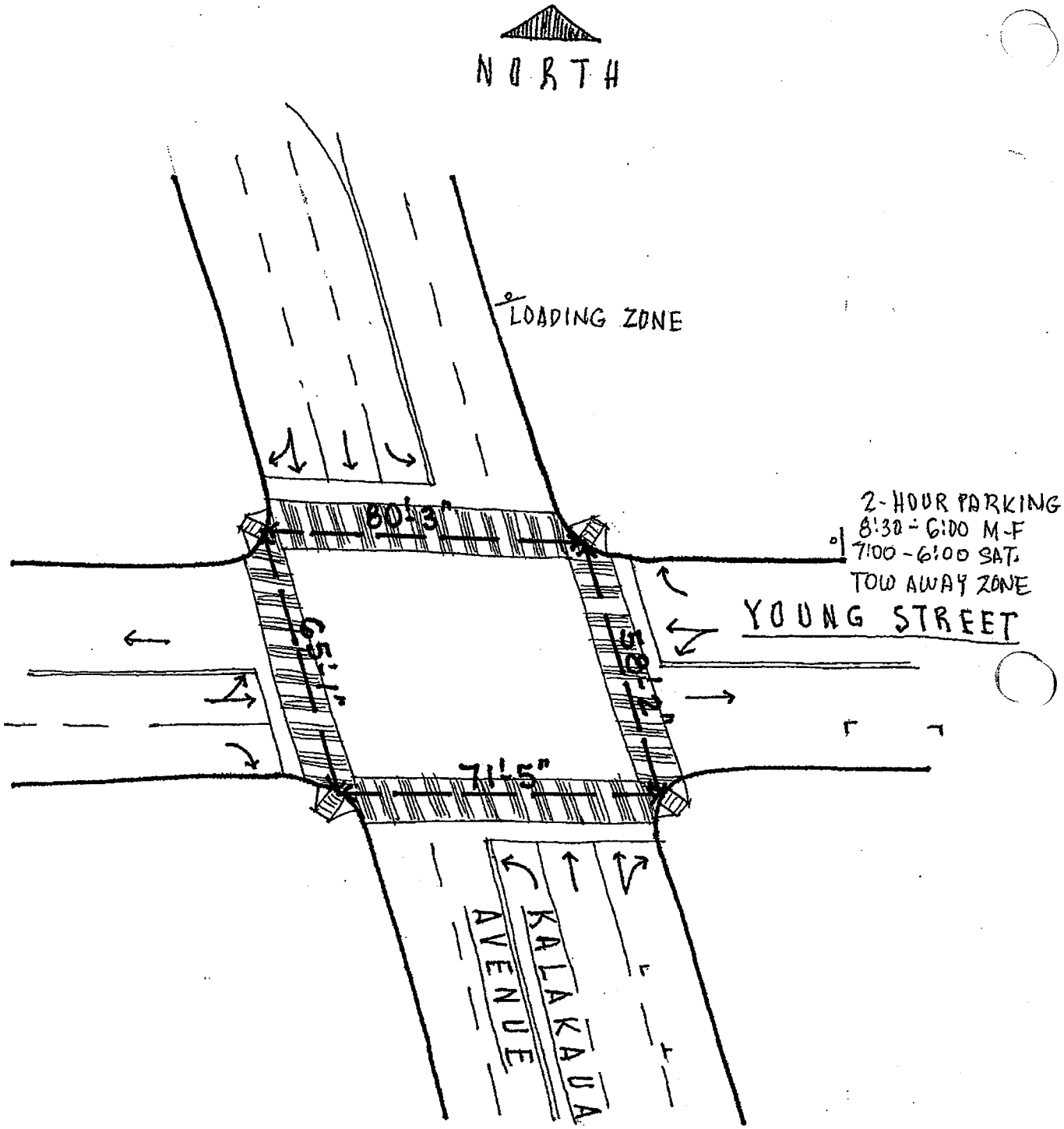
Counter:D1-0768, D1-0526
Counted:ME, AF
Weather:Clear

File Name : YouKal PM
Site Code : 00000020
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Young Street Westbound					Kalakaua Avenue Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	97	6	11	114	11	65	12	6	94	18	181	11	0	210	8	43	10	0	61	479
04:15 PM	4	89	6	7	106	4	47	13	12	76	17	203	15	0	235	3	52	16	0	71	488
04:30 PM	6	114	7	10	137	11	40	13	22	86	17	159	19	0	195	8	43	18	0	69	487
04:45 PM	0	88	1	9	98	9	40	8	28	85	25	187	16	0	228	10	43	14	0	67	478
Total	10	388	20	37	455	35	192	46	68	341	77	730	61	0	868	29	181	58	0	268	1932
05:00 PM	5	106	6	4	121	11	62	6	20	99	12	148	18	2	180	8	44	13	0	65	465
05:15 PM	3	71	5	3	82	8	33	5	9	55	17	164	20	1	202	6	44	13	0	63	402
05:30 PM	5	108	3	7	123	14	44	16	17	91	27	157	11	1	196	3	39	14	0	56	466
05:45 PM	3	99	3	3	108	12	39	8	11	70	10	147	9	1	167	4	39	9	0	52	397
Total	16	384	17	17	434	45	178	35	57	315	66	616	58	5	745	21	166	49	0	236	1730
Grand Total	26	772	37	54	889	80	370	81	125	656	143	1346	119	5	1613	50	347	107	0	504	3662
Apprch %	2.9	86.8	4.2	6.1		12.2	56.4	12.3	19.1		8.9	83.4	7.4	0.3		9.9	68.8	21.2	0		
Total %	0.7	21.1	1	1.5	24.3	2.2	10.1	2.2	3.4	17.9	3.9	36.8	3.2	0.1	44	1.4	9.5	2.9	0	13.8	

	Kalakaua Avenue Southbound					Young Street Westbound					Kalakaua Avenue Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	97	6	**11**	114	**11**	**65**	12	6	**94**	18	181	11	0	210	8	43	10	0	61	479
04:15 PM	4	89	6	7	106	4	47	**13**	12	76	**17**	**203**	15	0	**235**	3	**52**	16	0	**71**	**488**
04:30 PM	**6**	**114**	**7**	10	**137**	11	40	13	22	86	**17**	159	**19**	0	195	8	43	**18**	0	69	487
04:45 PM	0	88	1	9	98	9	40	8	**28**	85	**25**	187	16	0	228	**10**	43	14	0	67	478
Total Volume	10	388	20	37	455	35	192	46	68	341	77	730	61	0	868	29	181	58	0	268	1932
% App. Total	2.2	85.3	4.4	8.1		10.3	56.3	13.5	19.9		8.9	84.1	7	0		10.8	67.5	21.6	0		
PHF	.417	.851	.714	.841	.830	.795	.738	.885	.607	.907	.770	.899	.803	.000	.923	.725	.870	.806	.000	.944	.990


NORTH
LOADING ZONE
80'-3"
2-HOUR PARKING
8:30 - 6:00 M-F
7:00 - 6:00 SAT.
TOW AWAY ZONE
YOUNG STREET
65'-1"
58'-2"
71'-5"
KALAKAUA
AVENUE

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-3891
Counted:JY, JH
Weather:Clear

File Name : YouPun AM
Site Code : 00000021
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Young Street Westbound					Punahou Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	10	137	8	2	157	4	26	15	6	51	8	45	3	4	60	6	4	1	2	13	281
06:45 AM	10	114	8	0	132	3	55	29	15	102	3	70	0	2	75	6	16	5	2	29	338
Total	20	251	16	2	289	7	81	44	21	153	11	115	3	6	135	12	20	6	4	42	619
07:00 AM	9	127	7	1	144	9	70	17	20	116	3	61	8	6	78	6	10	3	4	23	361
07:15 AM	19	133	6	4	162	8	73	18	25	124	8	81	4	9	102	11	20	7	6	44	432
07:30 AM	14	183	13	3	213	9	90	23	42	164	7	97	6	4	114	6	20	4	8	38	529
07:45 AM	17	176	23	1	217	12	71	33	15	131	14	80	6	9	109	9	19	5	8	41	498
Total	59	619	49	9	736	38	304	91	102	535	32	319	24	28	403	32	69	19	26	146	1820
08:00 AM	20	182	21	0	223	12	74	20	7	113	5	72	5	2	84	7	12	4	2	25	445
08:15 AM	14	152	16	2	184	15	39	13	7	74	2	60	4	1	67	9	21	5	4	39	364
Grand Total	113	1204	102	13	1432	72	498	168	137	875	50	566	36	37	689	60	122	34	36	252	3248
Apprch %	7.9	84.1	7.1	0.9		8.2	56.9	19.2	15.7		7.3	82.1	5.2	5.4		23.8	48.4	13.5	14.3		
Total %	3.5	37.1	3.1	0.4	44.1	2.2	15.3	5.2	4.2	26.9	1.5	17.4	1.1	1.1	21.2	1.8	3.8	1	1.1	7.8	

	Punahou Street Southbound					Young Street Westbound					Punahou Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	19	133	6	**4**	162	8	73	18	25	124	8	81	4	**9**	102	**11**	**20**	7	6	**44**	432
07:30 AM	14	**183**	13	3	213	9	**90**	23	**42**	**164**	7	**97**	**6**	4	**114**	6	20	4	**8**	38	**529**
07:45 AM	**17**	176	**23**	1	217	**12**	71	**33**	15	131	**14**	80	6	9	109	9	19	5	8	41	498
08:00 AM	**20**	182	21	0	**223**	12	74	20	7	113	5	72	5	2	84	7	12	4	2	25	445
Total Volume	70	674	63	8	815	41	308	94	89	532	34	330	21	24	409	33	71	20	24	148	1904
% App. Total	8.6	82.7	7.7	1		7.7	57.9	17.7	16.7		8.3	80.7	5.1	5.9		22.3	48	13.5	16.2		
PHF	.875	.921	.685	.500	.914	.854	.856	.712	.530	.811	.607	.851	.875	.667	.897	.750	.888	.714	.750	.841	.900

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, HI 96826

Counter:JY, MM
Counted:D4-5676, D4-3891
Weather:Clear

File Name : YouPun MIDDAY
Site Code : 00000021
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Young Street Westbound					Punahou Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	16	144	8	1	169	11	54	6	14	85	5	107	7	1	120	11	22	6	2	41	415
11:15 AM	16	171	7	1	195	4	54	20	5	83	9	96	7	5	117	10	12	4	4	30	425
11:30 AM	23	164	11	0	198	10	53	20	11	94	4	93	9	4	110	11	19	12	4	46	448
11:45 AM	16	131	12	0	159	10	66	20	3	99	9	102	4	2	117	8	23	6	2	39	414
Total	71	610	38	2	721	35	227	66	33	361	27	398	27	12	464	40	76	28	12	156	1702
12:00 PM	13	145	23	6	187	14	47	20	21	102	5	96	3	2	106	10	20	8	4	42	437
12:15 PM	13	153	14	0	180	9	54	20	9	92	13	102	5	3	123	14	17	13	3	47	442
12:30 PM	14	146	10	1	171	11	51	8	8	78	7	117	8	2	134	15	20	14	3	52	435
12:45 PM	8	141	11	6	166	0	0	0	0	0	0	0	0	0	0	9	21	6	9	45	211
Total	48	585	58	13	704	34	152	48	38	272	25	315	16	7	363	48	78	41	19	186	1525
Grand Total	119	1195	96	15	1425	69	379	114	71	633	52	713	43	19	827	88	154	69	31	342	3227
Apprch %	8.4	83.9	6.7	1.1		10.9	59.9	18	11.2		6.3	86.2	5.2	2.3		25.7	45	20.2	9.1		
Total %	3.7	37	3	0.5	44.2	2.1	11.7	3.5	2.2	19.6	1.6	22.1	1.3	0.6	25.6	2.7	4.8	2.1	1	10.6	

	Punahou Street Southbound					Young Street Westbound					Punahou Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	**23**	**164**	11	0	**198**	10	53	**20**	11	94	4	93	**9**	**4**	110	**11**	19	12	**4**	46	**448**
11:45 AM	**16**	131	12	0	159	10	**66**	20	3	99	9	**102**	4	2	117	8	**23**	6	2	39	414
12:00 PM	13	145	**23**	**6**	187	**14**	**47**	20	**21**	**102**	5	96	3	2	106	10	20	8	4	42	437
12:15 PM	13	153	14	0	180	9	54	20	9	92	**13**	102	5	3	**123**	**14**	17	**13**	3	**47**	442
Total Volume	65	593	60	6	724	43	220	80	44	387	31	393	21	11	456	43	79	39	13	174	1741
% App. Total	9	81.9	8.3	0.8		11.1	56.8	20.7	11.4		6.8	86.2	4.6	2.4		24.7	45.4	22.4	7.5		
PHF	.707	.904	.652	.250	.914	.768	.833	1.000	.524	.949	.596	.963	.583	.688	.927	.768	.859	.750	.813	.926	.972

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

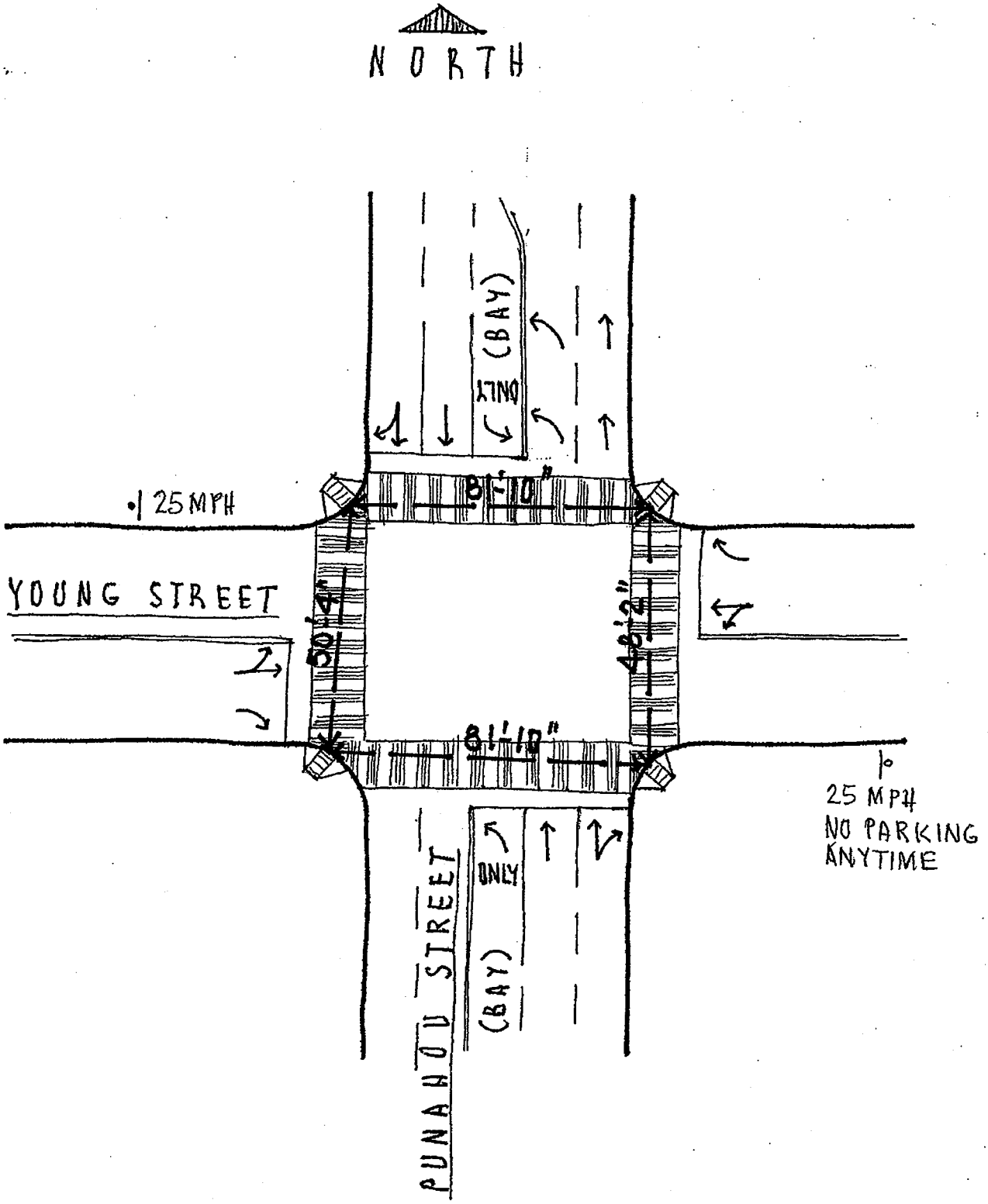
Counter:D4-5676, D4-3891
Counted:JY, MM
Weather:Clear

File Name : YouPun PM
Site Code : 00000021
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Young Street Westbound					Punahou Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	20	139	9	0	168	9	58	36	10	113	4	143	12	5	164	22	31	9	0	62	507
04:15 PM	9	108	11	0	128	4	55	17	13	89	6	157	7	7	177	30	43	12	4	89	483
04:30 PM	8	137	8	1	154	8	53	21	5	87	4	192	11	1	208	21	33	15	7	76	525
04:45 PM	15	126	9	3	153	12	52	28	9	101	7	152	6	6	171	22	44	2	0	68	493
Total	52	510	37	4	603	33	218	102	37	390	21	644	36	19	720	95	151	38	11	295	2008
05:00 PM	16	113	10	1	140	5	52	23	16	96	9	139	12	7	167	27	40	12	0	79	482
05:15 PM	3	119	8	0	130	4	40	18	11	73	5	145	6	5	161	26	53	13	0	92	456
05:30 PM	10	120	14	2	146	10	47	20	9	86	7	172	6	1	186	24	38	10	1	73	491
05:45 PM	11	116	6	7	140	0	0	0	0	0	0	0	0	0	0	15	24	7	7	53	193
Total	40	468	38	10	556	19	139	61	36	255	21	456	24	13	514	92	155	42	8	297	1622
Grand Total	92	978	75	14	1159	52	357	163	73	645	42	1100	60	32	1234	187	306	80	19	592	3630
Apprch %	7.9	84.4	6.5	1.2		8.1	55.3	25.3	11.3		3.4	89.1	4.9	2.6		31.6	51.7	13.5	3.2		
Total %	2.5	26.9	2.1	0.4	31.9	1.4	9.8	4.5	2	17.8	1.2	30.3	1.7	0.9	34	5.2	8.4	2.2	0.5	16.3	

	Punahou Street Southbound					Young Street Westbound					Punahou Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	**20**	**139**	9	0	**168**	9	**58**	**36**	10	**113**	4	143	**12**	5	164	22	31	9	0	62	507
04:15 PM	9	108	**11**	0	128	4	55	17	**13**	89	6	157	7	**7**	177	**30**	43	12	4	**89**	483
04:30 PM	8	137	8	1	154	8	53	21	5	87	4	**192**	11	1	**208**	21	33	**15**	**7**	76	**525**
04:45 PM	15	126	9	**3**	153	**12**	52	28	9	101	**7**	152	6	6	171	22	**44**	2	0	68	493
Total Volume	52	510	37	4	603	33	218	102	37	390	21	644	36	19	720	95	151	38	11	295	2008
% App. Total	8.6	84.6	6.1	0.7		8.5	55.9	26.2	9.5		2.9	89.4	5	2.6		32.2	51.2	12.9	3.7		
PHF	.650	.917	.841	.333	.897	.688	.940	.708	.712	.863	.750	.839	.750	.679	.865	.792	.858	.633	.393	.829	.956


NORTH
YOUNG STREET
PUNAHOU STREET
25 MPH
25 MPH
NO PARKING
ANYTIME
ONLY
(BAY)
ONLY
(BAY)
81'-10"
81'-10"
50'-4"
48'-2"

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5688, D4-5674
Counted:RY, AF
Weather:Clear

File Name : YouMcC AM
Site Code : 00000022
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Young Street Westbound					McCully Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	106	4	0	110	6	29	2	13	50	18	184	6	3	211	2	1	9	3	15	386
06:45 AM	3	109	4	1	117	6	46	4	4	60	10	172	8	1	191	4	11	12	8	35	403
Total	3	215	8	1	227	12	75	6	17	110	28	356	14	4	402	6	12	21	11	50	789
07:00 AM	2	121	5	1	129	4	61	4	6	75	12	165	7	1	185	10	4	13	3	30	419
07:15 AM	1	109	13	2	125	9	76	2	7	94	19	131	8	2	160	9	18	20	5	52	431
07:30 AM	9	142	15	1	167	8	87	5	7	107	26	124	5	2	157	6	16	18	1	41	472
07:45 AM	11	144	18	1	174	10	61	3	5	79	42	126	15	1	184	3	13	21	2	39	476
Total	23	516	51	5	595	31	285	14	25	355	99	546	35	6	686	28	51	72	11	162	1798
08:00 AM	14	133	11	2	160	11	54	10	9	84	31	139	12	0	182	6	9	17	2	34	460
08:15 AM	9	132	13	1	155	8	55	8	14	85	21	170	12	1	204	4	15	23	5	47	491
Grand Total	49	996	83	9	1137	62	469	38	65	634	179	1211	73	11	1474	44	87	133	29	293	3538
Apprch %	4.3	87.6	7.3	0.8		9.8	74	6	10.3		12.1	82.2	5	0.7		15	29.7	45.4	9.9		
Total %	1.4	28.2	2.3	0.3	32.1	1.8	13.3	1.1	1.8	17.9	5.1	34.2	2.1	0.3	41.7	1.2	2.5	3.8	0.8	8.3	

	McCully Street Southbound					Young Street Westbound					McCully Street Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	9	142	15	1	167	8	87	5	7	107	26	124	5	2	157	6	16	18	1	41	472
07:45 AM	11	144	18	1	174	10	61	3	5	79	42	126	15	1	184	3	13	21	2	39	476
08:00 AM	14	133	11	2	160	11	54	10	9	84	31	139	12	0	182	6	9	17	2	34	460
08:15 AM	9	132	13	1	155	8	55	8	14	85	21	170	12	1	204	4	15	23	5	47	491
Total Volume	43	551	57	5	656	37	257	26	35	355	120	559	44	4	727	19	53	79	10	161	1899
% App. Total	6.6	84	8.7	0.8		10.4	72.4	7.3	9.9		16.5	76.9	6.1	0.6		11.8	32.9	49.1	6.2		
PHF	.768	.957	.792	.625	.943	.841	.739	.650	.625	.829	.714	.822	.733	.500	.891	.792	.828	.859	.500	.856	.967

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter: D4-5677, D4-5674
Counted: RY, JM
Weather: Clear

File Name : YouMcC Midday
Site Code : 00000022
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					McCully Street Westbound					Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	7	119	11	2	139	10	43	6	1	60	13	206	16	1	236	3	15	16	2	36	471
11:15 AM	8	115	19	3	145	5	33	6	16	60	21	196	16	3	236	9	19	21	2	51	492
11:30 AM	7	94	11	0	112	11	24	9	14	58	16	191	12	3	222	11	18	18	6	53	445
11:45 AM	7	115	13	1	136	10	26	14	12	62	20	200	17	6	243	11	21	29	4	65	506
Total	29	443	54	6	532	36	126	35	43	240	70	793	61	13	937	34	73	84	14	205	1914
12:00 PM	6	123	13	7	149	15	37	10	6	68	14	178	13	7	212	6	26	28	9	69	498
12:15 PM	5	115	13	1	134	15	44	6	9	74	22	209	17	1	249	9	17	29	10	65	522
12:30 PM	11	104	9	1	125	15	34	16	8	73	29	193	13	3	238	7	23	19	14	63	499
12:45 PM	5	97	10	2	114	9	28	18	12	67	25	167	9	2	203	8	24	14	7	53	437
Total	27	439	45	11	522	54	143	50	35	282	90	747	52	13	902	30	90	90	40	250	1956
Grand Total	56	882	99	17	1054	90	269	85	78	522	160	1540	113	26	1839	64	163	174	54	455	3870
Apprch %	5.3	83.7	9.4	1.6		17.2	51.5	16.3	14.9		8.7	83.7	6.1	1.4		14.1	35.8	38.2	11.9		
Total %	1.4	22.8	2.6	0.4	27.2	2.3	7	2.2	2	13.5	4.1	39.8	2.9	0.7	47.5	1.7	4.2	4.5	1.4	11.8	

	McCully Street Southbound					McCully Street Westbound					Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	7	115	**13**	1	136	10	26	14	**12**	62	20	200	**17**	6	243	**11**	21	**29**	4	65	506
12:00 PM	6	**123**	13	**7**	**149**	**15**	37	10	6	68	14	178	13	**7**	212	6	**26**	28	9	**69**	498
12:15 PM	5	115	13	1	134	15	**44**	6	9	**74**	22	**209**	17	**1**	**249**	9	17	29	10	65	**522**
12:30 PM	**11**	104	9	1	125	15	34	**16**	8	73	**29**	193	13	3	238	7	23	19	**14**	63	499
Total Volume	29	457	48	10	544	55	141	46	35	277	85	780	60	17	942	33	87	105	37	262	2025
% App. Total	5.3	84	8.8	1.8		19.9	50.9	16.6	12.6		9	82.8	6.4	1.8		12.6	33.2	40.1	14.1		
PHF	.659	.929	.923	.357	.913	.917	.801	.719	.729	.936	.733	.933	.882	.607	.946	.750	.837	.905	.661	.949	.970

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

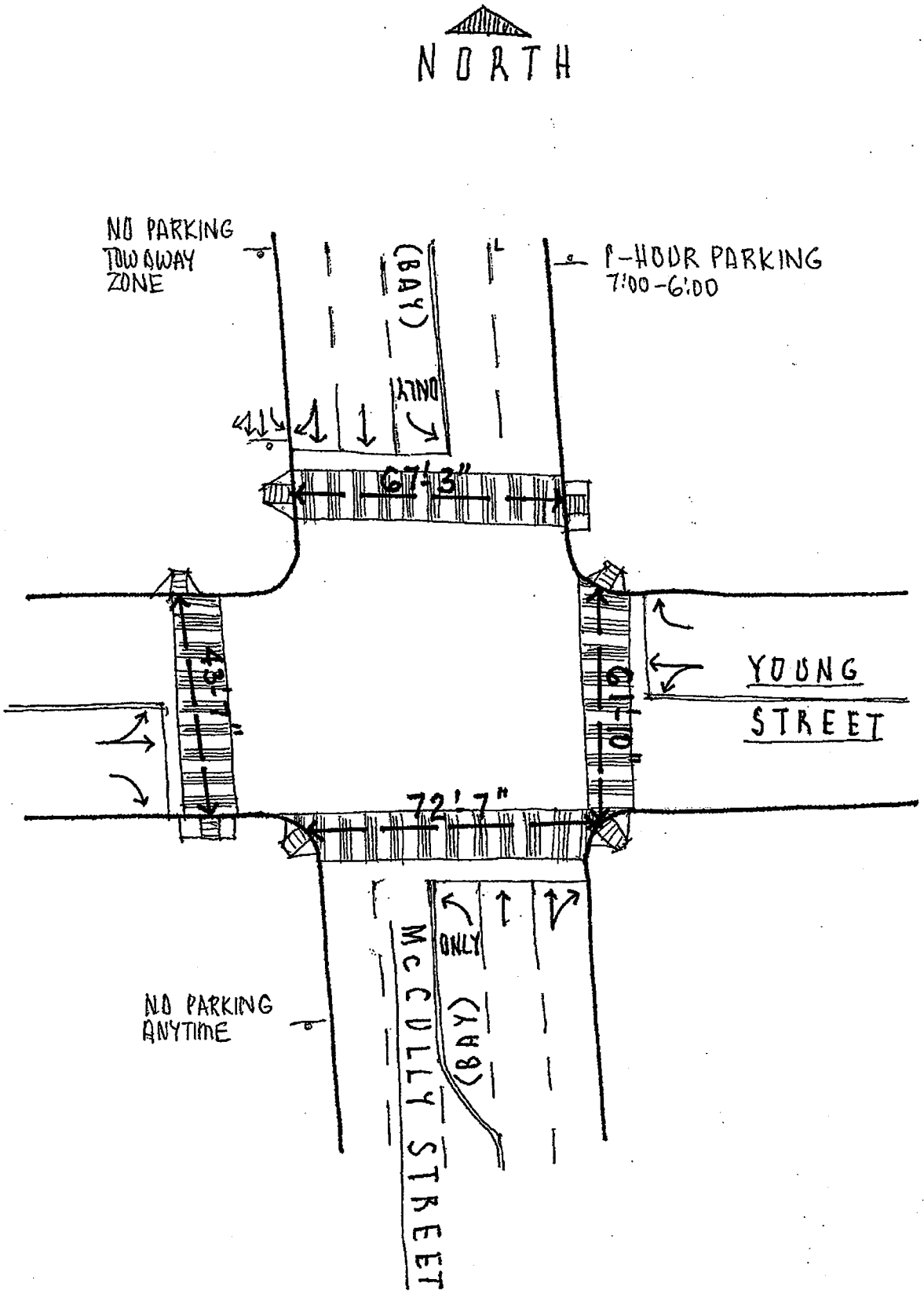
Counter:D4-5677, D4-5674
Counted: RY, AF
Weather: Clear

File Name : YouMcC PM
Site Code : 00000022
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					McCully Street Westbound					Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	5	115	8	3	131	11	51	9	5	76	20	258	17	5	300	14	24	26	3	67	574
04:15 PM	1	154	13	0	168	8	47	5	12	72	16	233	8	4	261	10	35	23	3	71	572
04:30 PM	7	135	8	1	151	13	31	19	12	75	24	211	11	3	249	16	39	28	5	88	563
04:45 PM	8	146	12	1	167	13	33	10	7	63	22	193	17	4	236	11	29	18	5	63	529
Total	21	550	41	5	617	45	162	43	36	286	82	895	53	16	1046	51	127	95	16	289	2238
05:00 PM	6	131	12	1	150	11	32	15	14	72	20	204	5	1	230	12	44	27	5	88	540
05:15 PM	6	148	12	5	171	10	43	8	8	69	13	238	15	10	276	13	26	23	5	67	583
05:30 PM	3	142	13	5	163	17	25	11	9	62	18	222	13	4	257	8	28	23	8	67	549
05:45 PM	2	127	10	4	143	10	30	5	7	52	18	190	8	5	221	11	23	23	5	62	478
Total	17	548	47	15	627	48	130	39	38	255	69	854	41	20	984	44	121	96	23	284	2150
Grand Total	38	1098	88	20	1244	93	292	82	74	541	151	1749	94	36	2030	95	248	191	39	573	4388
Apprch %	3.1	88.3	7.1	1.6		17.2	54	15.2	13.7		7.4	86.2	4.6	1.8		16.6	43.3	33.3	6.8		
Total %	0.9	25	2	0.5	28.4	2.1	6.7	1.9	1.7	12.3	3.4	39.9	2.1	0.8	46.3	2.2	5.7	4.4	0.9	13.1	

	McCully Street Southbound					McCully Street Westbound					Northbound					Young Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	5	115	8	3	131	11	51	9	5	76	20	258	17	5	300	14	24	26	3	67	574
04:15 PM	1	154	13	0	168	8	47	5	12	72	16	233	8	4	261	10	35	23	3	71	572
04:30 PM	7	135	8	1	151	13	31	19	12	75	24	211	11	3	249	16	39	28	5	88	563
04:45 PM	8	146	12	1	167	13	33	10	7	63	22	193	17	4	236	11	29	18	5	63	529
Total Volume	21	550	41	5	617	45	162	43	36	286	82	895	53	16	1046	51	127	95	16	289	2238
% App. Total	3.4	89.1	6.6	0.8		15.7	56.6	15	12.6		7.8	85.6	5.1	1.5		17.6	43.9	32.9	5.5		
PHF	.656	.893	.788	.417	.918	.865	.794	.566	.750	.941	.854	.867	.779	.800	.872	.797	.814	.848	.800	.821	.975


NORTH
NO PARKING
TOW AWAY
ZONE
(BAY)
ONLY
1-HOUR PARKING
7:00-6:00
67'-3"
43'-7"
61'-0"
YOUNG
STREET
72'-7"
ONLY
(BAY)
McCULLY STREET
NO PARKING
ANYTIME

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-3891
Counted:ER, RY
Weather:Clear

File Name : BerAla AM
Site Code : 00000023
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Alapai Street Southbound					Beretania Street Westbound					Alapai Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	5	10	15	0	501	27	11	539	150	17	0	12	179	0	0	0	0	0	733
06:45 AM	0	0	7	9	16	0	605	21	19	645	172	29	0	9	210	0	0	0	0	0	871
Total	0	0	12	19	31	0	1106	48	30	1184	322	46	0	21	389	0	0	0	0	0	1604
07:00 AM	0	0	6	12	18	0	648	23	19	690	197	23	0	10	230	0	0	0	0	0	938
07:15 AM	0	0	6	13	19	0	767	31	21	819	223	35	0	11	269	0	0	0	0	0	1107
07:30 AM	0	0	3	10	13	0	762	42	18	822	249	47	0	12	308	0	0	0	0	0	1143
07:45 AM	0	0	3	10	13	0	726	40	24	790	236	32	0	22	290	0	0	0	0	0	1093
Total	0	0	18	45	63	0	2903	136	82	3121	905	137	0	55	1097	0	0	0	0	0	4281
08:00 AM	0	0	8	12	20	0	651	33	9	693	192	23	0	8	223	0	0	0	0	0	936
08:15 AM	0	0	10	7	17	0	527	40	13	580	191	17	0	9	217	0	0	0	0	0	814
Grand Total	0	0	48	83	131	0	5187	257	134	5578	1610	223	0	93	1926	0	0	0	0	0	7635
Apprch %	0	0	36.6	63.4		0	93	4.6	2.4		83.6	11.6	0	4.8		0	0	0	0		
Total %	0	0	0.6	1.1	1.7	0	67.9	3.4	1.8	73.1	21.1	2.9	0	1.2	25.2	0	0	0	0	0	

	Alapai Street Southbound					Beretania Street Westbound					Alapai Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	0	**6**	12	18	0	648	23	19	690	197	23	0	10	230	0	0	0	0	0	938
07:15 AM	0	0	6	**13**	**19**	0	**767**	31	21	819	223	35	0	11	269	0	0	0	0	0	1107
07:30 AM	0	0	3	10	13	0	762	**42**	18	**822**	**249**	**47**	0	12	**308**	0	0	0	0	0	**1143**
07:45 AM	0	0	3	10	13	0	726	40	**24**	790	236	32	0	**22**	290	0	0	0	0	0	1093
Total Volume	0	0	18	45	63	0	2903	136	82	3121	905	137	0	55	1097	0	0	0	0	0	4281
% App. Total	0	0	28.6	71.4		0	93	4.4	2.6		82.5	12.5	0	5		0	0	0	0		
PHF	.000	.000	.750	.865	.829	.000	.946	.810	.854	.949	.909	.729	.000	.625	.890	.000	.000	.000	.000	.000	.936

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-3891
Counted:ER, RY
Weather:Clear

File Name : BerAla MIDDAY
Site Code : 00000023
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Alapai Street Southbound					Beretania Street Westbound					Alapai Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	11	6	17	0	427	21	10	458	195	20	0	10	225	0	0	0	0	0	700
11:15 AM	0	0	6	11	17	0	421	24	8	453	229	23	0	12	264	0	0	0	0	0	734
11:30 AM	0	0	6	16	22	0	402	31	4	437	199	23	0	5	227	0	0	0	0	0	686
11:45 AM	0	0	6	13	19	0	389	34	16	439	261	28	0	11	300	0	0	0	0	0	758
Total	0	0	29	46	75	0	1639	110	38	1787	884	94	0	38	1016	0	0	0	0	0	2878
12:00 PM	0	0	4	16	20	0	408	29	11	448	208	21	0	10	239	0	0	0	0	0	707
12:15 PM	0	0	10	12	22	0	374	20	8	402	198	23	0	6	227	0	0	0	0	0	651
12:30 PM	0	0	13	18	31	0	428	23	17	468	212	22	0	16	250	0	0	0	0	0	749
12:45 PM	0	0	4	13	17	0	388	26	13	427	231	23	0	8	262	0	0	0	0	0	706
Total	0	0	31	59	90	0	1598	98	49	1745	849	89	0	40	978	0	0	0	0	0	2813
Grand Total	0	0	60	105	165	0	3237	208	87	3532	1733	183	0	78	1994	0	0	0	0	0	5691
Apprch %	0	0	36.4	63.6		0	91.6	5.9	2.5		86.9	9.2	0	3.9		0	0	0	0		
Total %	0	0	1.1	1.8	2.9	0	56.9	3.7	1.5	62.1	30.5	3.2	0	1.4	35	0	0	0	0	0	

	Alapai Street Southbound					Beretania Street Westbound					Alapai Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	0	0	**6**	11	17	0	**421**	24	8	**453**	229	23	0	**12**	264	0	0	0	0	0	734
11:30 AM	0	0	6	**16**	**22**	0	402	31	4	437	199	23	0	5	227	0	0	0	0	0	686
11:45 AM	0	0	6	13	19	0	389	**34**	**16**	439	**261**	**28**	0	11	**300**	0	0	0	0	0	**758**
12:00 PM	0	0	4	16	20	0	408	29	11	448	208	21	0	10	239	0	0	0	0	0	707
Total Volume	0	0	22	56	78	0	1620	118	39	1777	897	95	0	38	1030	0	0	0	0	0	2885
% App. Total	0	0	28.2	71.8		0	91.2	6.6	2.2		87.1	9.2	0	3.7		0	0	0	0		
PHF	.000	.000	.917	.875	.886	.000	.962	.868	.609	.981	.859	.848	.000	.792	.858	.000	.000	.000	.000	.000	.952

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

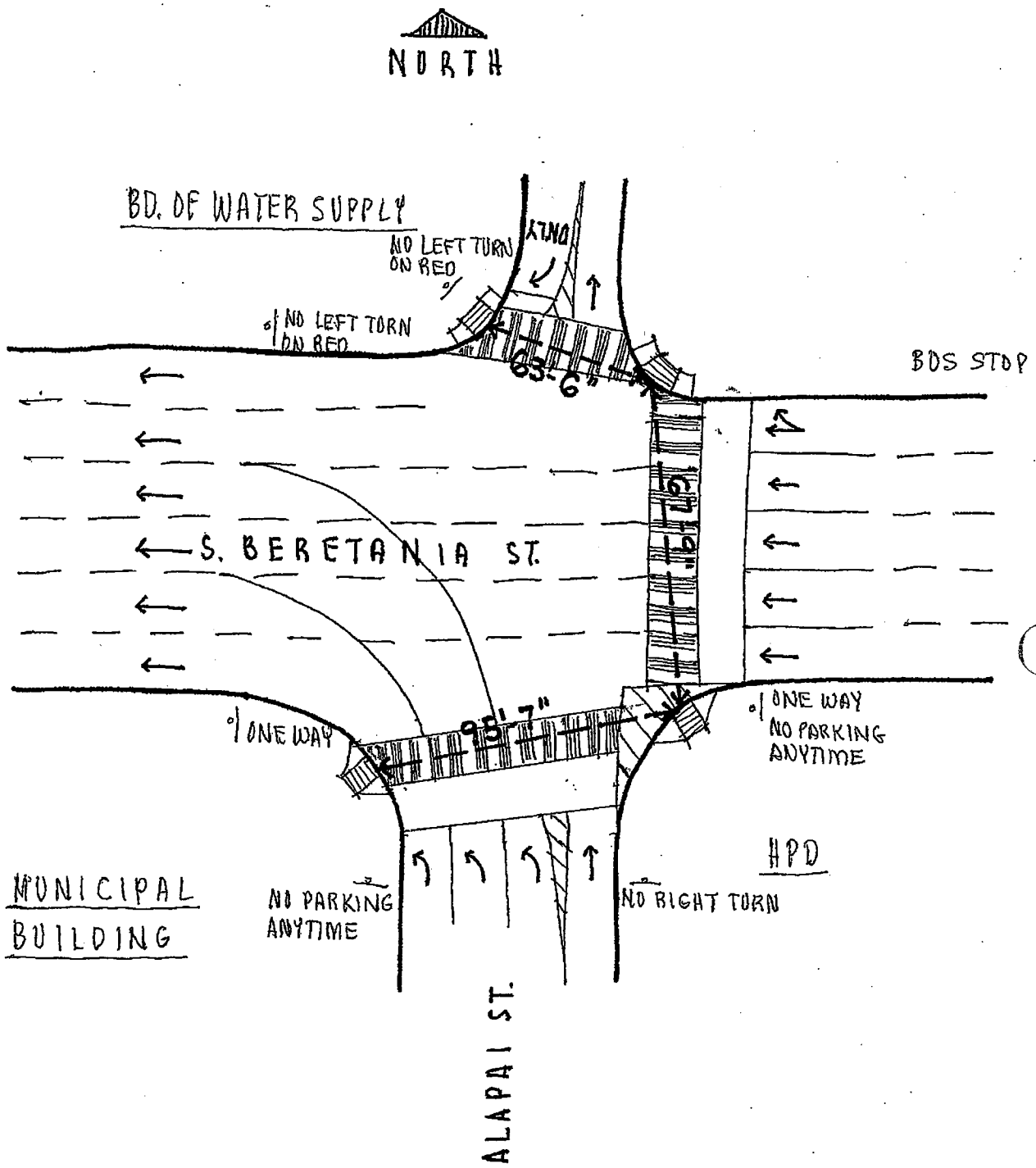
Counter:T-1839, D4-3891
Counted:ER, RY
Weather:Clear

File Name : BerAla PM
Site Code : 00000023
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Alapai Street Southbound					Beretania Street Westbound					Alapai Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	1	10	11	0	598	22	17	637	298	43	0	11	352	0	0	0	0	0	1000
04:15 PM	0	0	8	13	21	0	497	75	23	595	302	40	0	17	359	0	0	0	0	0	975
04:30 PM	0	0	11	18	29	0	586	36	20	642	329	56	0	23	408	0	0	0	0	0	1079
04:45 PM	0	0	8	11	19	0	498	21	32	551	290	49	0	18	357	0	0	0	0	0	927
Total	0	0	28	52	80	0	2179	154	92	2425	1219	188	0	69	1476	0	0	0	0	0	3981
05:00 PM	0	0	7	9	16	0	437	29	25	491	290	53	0	16	359	0	0	0	0	0	866
05:15 PM	0	0	4	12	16	0	444	25	19	488	262	57	0	20	339	0	0	0	0	0	843
05:30 PM	0	0	11	8	19	0	421	22	13	456	246	52	0	11	309	0	0	0	0	0	784
05:45 PM	0	0	3	9	12	0	371	21	11	403	254	40	0	16	310	0	0	0	0	0	725
Total	0	0	25	38	63	0	1673	97	68	1838	1052	202	0	63	1317	0	0	0	0	0	3218
Grand Total	0	0	53	90	143	0	3852	251	160	4263	2271	390	0	132	2793	0	0	0	0	0	7199
Apprch %	0	0	37.1	62.9		0	90.4	5.9	3.8		81.3	14	0	4.7		0	0	0	0		
Total %	0	0	0.7	1.3	2	0	53.5	3.5	2.2	59.2	31.5	5.4	0	1.8	38.8	0	0	0	0	0	

	Alapai Street Southbound					Beretania Street Westbound					Alapai Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	0	1	10	11	0	**598**	22	17	637	298	43	0	11	352	0	0	0	0	0	1000
04:15 PM	0	0	8	13	21	0	497	**75**	23	595	302	40	0	17	359	0	0	0	0	0	975
04:30 PM	0	0	**11**	**18**	**29**	0	586	36	20	**642**	**329**	**56**	0	**23**	**408**	0	0	0	0	0	**1079**
04:45 PM	0	0	8	11	19	0	498	21	**32**	551	290	49	0	18	357	0	0	0	0	0	927
Total Volume	0	0	28	52	80	0	2179	154	92	2425	1219	188	0	69	1476	0	0	0	0	0	3981
% App. Total	0	0	35	65		0	89.9	6.4	3.8		82.6	12.7	0	4.7		0	0	0	0		
PHF	.000	.000	.636	.722	.690	.000	.911	.513	.719	.944	.926	.839	.000	.750	.904	.000	.000	.000	.000	.000	.922


NORTH
BD. OF WATER SUPPLY
NO LEFT TURN ON RED
ONLY
NO LEFT TURN ON RED
65'-6"
BUS STOP
S. BERETANIA ST.
19'-6"
ONE WAY
95'-7"
ONE WAY
NO PARKING ANYTIME
HPD
MUNICIPAL BUILDING
NO PARKING ANYTIME
NO RIGHT TURN
ALAPAI ST.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-3890
Counted:DN, TG
Weather:Clear

File Name : BerHal AM
Site Code : 00000024
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Hale Makai Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
06:30 AM	0	9	520	0	5	534	21	0	0	11	32	0	566
06:45 AM	0	14	595	0	12	621	23	0	0	12	35	0	656
Total	0	23	1115	0	17	1155	44	0	0	23	67	0	1222
07:00 AM	0	14	624	0	13	651	25	0	0	4	29	0	680
07:15 AM	0	14	767	0	15	796	27	0	0	12	39	0	835
07:30 AM	0	11	754	0	14	779	51	0	0	19	70	0	849
07:45 AM	0	19	699	0	11	729	39	0	0	13	52	0	781
Total	0	58	2844	0	53	2955	142	0	0	48	190	0	3145
08:00 AM	0	16	661	0	6	683	23	0	0	4	27	0	710
08:15 AM	0	16	550	0	12	578	22	0	0	14	36	0	614
Grand Total	0	113	5170	0	88	5371	231	0	0	89	320	0	5691
Apprch %		2.1	96.3	0	1.6		72.2	0	0	27.8			
Total %	0	2	90.8	0	1.5	94.4	4.1	0	0	1.6	5.6	0	

	Southbound	Beretania Street Westbound					Hale Makai Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	0	14	**767**	0	**15**	**796**	27	0	0	12	39	0	835
07:30 AM	0	**11**	754	0	14	779	**51**	0	0	**19**	**70**	0	**849**
07:45 AM	0	**19**	699	0	11	729	39	0	0	13	52	0	781
08:00 AM	0	16	661	0	6	683	23	0	0	4	27	0	710
Total Volume	0	60	2881	0	46	2987	140	0	0	48	188	0	3175
% App. Total		2	96.5	0	1.5		74.5	0	0	25.5			
PHF	.000	.789	.939	.000	.767	.938	.686	.000	.000	.632	.671	.000	.935

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890
Counted:TG, DN
Weather:Clear

File Name : BerHal MIDDAY
Site Code : 00000024
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Hale Makai Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	16	403	0	10	429	58	0	0	15	73	0	502
11:15 AM	0	24	381	0	5	410	52	0	0	13	65	0	475
11:30 AM	0	17	380	0	5	402	44	0	0	14	58	0	460
11:45 AM	0	21	367	0	12	400	53	0	0	16	69	0	469
Total	0	78	1531	0	32	1641	207	0	0	58	265	0	1906
12:00 PM	0	24	400	0	20	444	51	0	0	20	71	0	515
12:15 PM	0	19	350	0	11	380	59	0	0	11	70	0	450
12:30 PM	0	28	374	0	14	416	61	0	0	12	73	0	489
12:45 PM	0	20	346	0	10	376	53	0	0	69	122	0	498
Total	0	91	1470	0	55	1616	224	0	0	112	336	0	1952
Grand Total	0	169	3001	0	87	3257	431	0	0	170	601	0	3858
Apprch %		5.2	92.1	0	2.7		71.7	0	0	28.3			
Total %	0	4.4	77.8	0	2.3	84.4	11.2	0	0	4.4	15.6	0	

	Southbound	Beretania Street Westbound					Hale Makai Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 12:00 PM													
12:00 PM	0	24	**400**	0	**20**	**444**	**51**	0	0	20	71	0	**515**
12:15 PM	0	19	350	0	11	380	59	0	0	11	70	0	450
12:30 PM	0	**28**	374	0	14	416	**61**	0	0	12	73	0	489
12:45 PM	0	20	346	0	10	376	53	0	0	**69**	**122**	0	498
Total Volume	0	91	1470	0	55	1616	224	0	0	112	336	0	1952
% App. Total		5.6	91	0	3.4		66.7	0	0	33.3			
PHF	.000	.813	.919	.000	.688	.910	.918	.000	.000	.406	.689	.000	.948

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

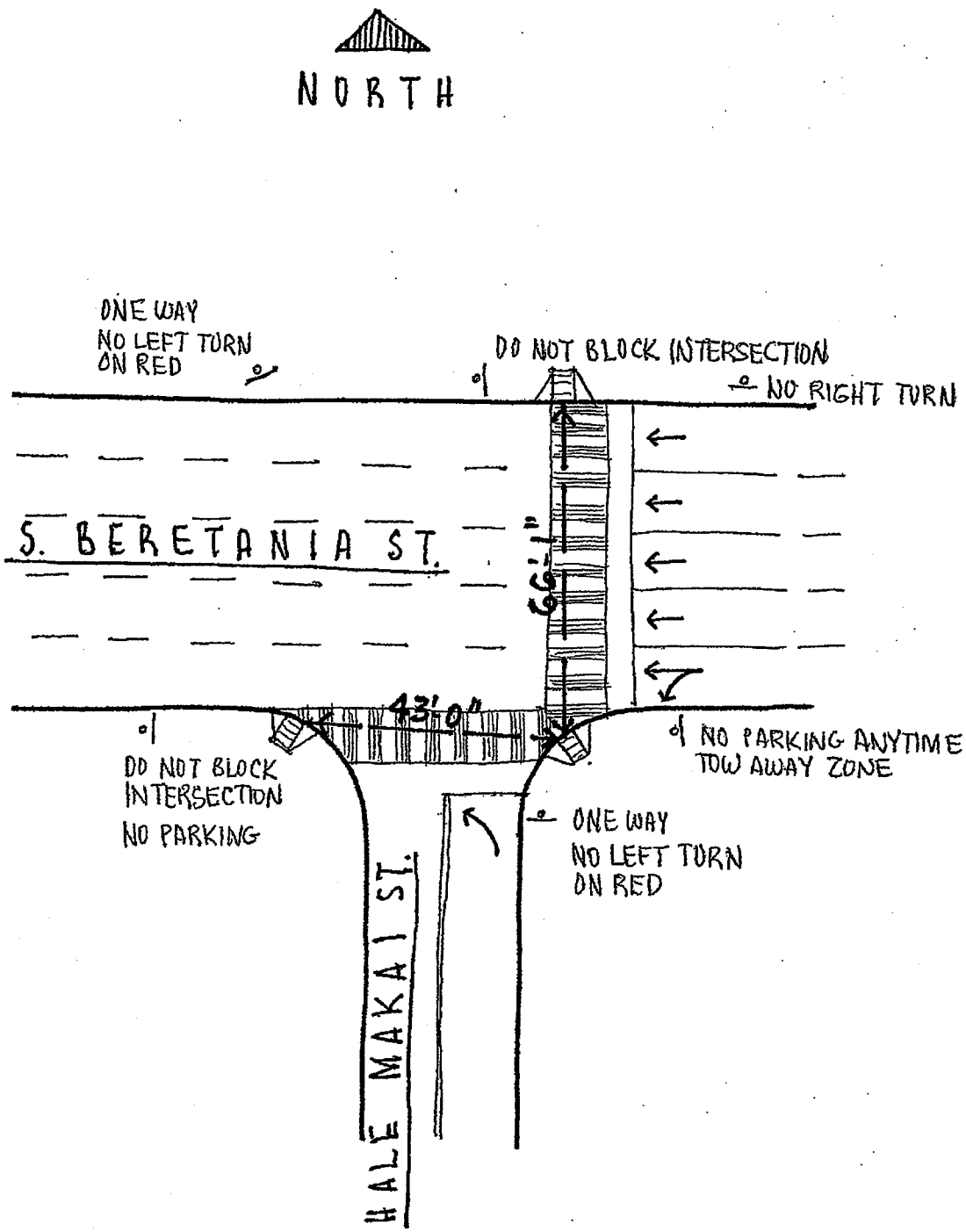
Counter:D4-3890
Counted:TG
Weather:Clear

File Name : BerHal PM
Site Code : 00000024
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Hale Makai Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	0	16	561	0	5	582	50	0	0	15	65	0	647
04:15 PM	0	18	528	0	3	549	44	0	0	12	56	0	605
04:30 PM	0	12	511	0	8	531	59	0	0	26	85	0	616
04:45 PM	0	21	475	0	8	504	39	0	0	14	53	0	557
Total	0	67	2075	0	24	2166	192	0	0	67	259	0	2425
05:00 PM	0	15	440	0	3	458	32	0	0	8	40	0	498
05:15 PM	0	14	435	0	1	450	36	0	0	16	52	0	502
05:30 PM	0	11	405	0	7	423	23	0	0	17	40	0	463
05:45 PM	0	10	371	0	3	384	26	0	0	13	39	0	423
Total	0	50	1651	0	14	1715	117	0	0	54	171	0	1886
Grand Total	0	117	3726	0	38	3881	309	0	0	121	430	0	4311
Apprch %		3	96	0	1		71.9	0	0	28.1			
Total %	0	2.7	86.4	0	0.9	90	7.2	0	0	2.8	10	0	

	Southbound	Beretania Street Westbound					Hale Makai Street Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	0	16	**561**	0	5	**582**	50	0	0	15	65	0	**647**
04:15 PM	0	18	528	0	3	549	44	0	0	12	56	0	605
04:30 PM	0	12	511	0	**8**	531	**59**	0	0	**26**	**85**	0	616
04:45 PM	0	**21**	475	0	8	504	39	0	0	14	53	0	557
Total Volume	0	67	2075	0	24	2166	192	0	0	67	259	0	2425
% App. Total		3.1	95.8	0	1.1		74.1	0	0	25.9			
PHF	.000	.798	.925	.000	.750	.930	.814	.000	.000	.644	.762	.000	.937


NORTH
ONE WAY
NO LEFT TURN
ON RED
DO NOT BLOCK INTERSECTION
NO RIGHT TURN
S. BERETANIA ST.
66'-1"
43'-0"
DO NOT BLOCK
INTERSECTION
NO PARKING
NO PARKING ANYTIME
TOW AWAY ZONE
ONE WAY
NO LEFT TURN
ON RED
HALE MAKAI ST.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-5673
Counted:JM, JH
Weather:Clear

File Name : BerVic AM
Site Code : 00000026
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Victoria Street Southbound					S. Beretania Street Westbound					Victoria Street Northbound					S. Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	74	3	7	84	21	494	0	1	516	25	3	0	8	36	0	0	0	0	0	636
06:45 AM	0	77	0	9	86	25	557	0	0	582	26	10	0	22	58	0	0	0	4	4	730
Total	0	151	3	16	170	46	1051	0	1	1098	51	13	0	30	94	0	0	0	4	4	1366
07:00 AM	0	102	0	13	115	13	630	0	0	643	34	7	0	12	53	0	0	0	1	1	812
07:15 AM	0	107	0	11	118	23	707	0	1	731	72	3	0	14	89	0	0	0	3	3	941
07:30 AM	0	114	0	14	128	6	689	0	3	698	65	9	0	20	94	0	0	0	3	3	923
07:45 AM	0	127	10	14	151	18	663	0	0	681	61	13	0	19	93	0	0	0	4	4	929
Total	0	450	10	52	512	60	2689	0	4	2753	232	32	0	65	329	0	0	0	11	11	3605
08:00 AM	0	131	28	13	172	14	621	0	0	635	58	9	0	7	74	0	0	0	2	2	883
08:15 AM	0	105	18	15	138	6	504	0	0	510	56	4	0	6	66	0	0	0	0	0	714
Grand Total	0	837	59	96	992	126	4865	0	5	4996	397	58	0	108	563	0	0	0	17	17	6568
Apprch %	0	84.4	5.9	9.7		2.5	97.4	0	0.1		70.5	10.3	0	19.2		0	0	0	100		
Total %	0	12.7	0.9	1.5	15.1	1.9	74.1	0	0.1	76.1	6	0.9	0	1.6	8.6	0	0	0	0.3	0.3	

	Victoria Street Southbound					S. Beretania Street Westbound					Victoria Street Northbound					S. Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	107	0	11	118	**23**	**707**	0	1	**731**	**72**	3	0	14	89	0	0	0	3	3	**941**
07:30 AM	0	114	0	**14**	128	6	689	0	**3**	698	65	9	0	**20**	**94**	0	0	0	3	3	923
07:45 AM	0	127	10	14	151	18	663	0	0	681	61	**13**	0	19	93	0	0	0	**4**	**4**	929
08:00 AM	0	**131**	**28**	13	**172**	14	621	0	0	635	58	9	0	7	74	0	0	0	2	2	883
Total Volume	0	479	38	52	569	61	2680	0	4	2745	256	34	0	60	350	0	0	0	12	12	3676
% App. Total	0	84.2	6.7	9.1		2.2	97.6	0	0.1		73.1	9.7	0	17.1		0	0	0	100		
PHF	.000	.914	.339	.929	.827	.663	.948	.000	.333	.939	.889	.654	.000	.750	.931	.000	.000	.000	.750	.750	.977

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-5673
Counted:JM, MM
Weather:Clear

File Name : BerVic MIDDAY
Site Code : 00000026
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Victoria Street Southbound					S. Beretania Street Westbound					Victoria Street Northbound					S. Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	62	7	7	76	7	344	8	6	365	50	20	0	10	80	0	0	0	14	14	535
11:15 AM	0	54	9	12	75	3	312	81	9	405	46	16	0	6	68	0	0	0	2	2	550
11:30 AM	0	54	11	14	79	5	362	13	10	390	47	7	0	9	63	0	0	0	4	4	536
11:45 AM	0	57	9	17	83	5	373	19	5	402	47	17	0	6	70	0	0	0	3	3	558
Total	0	227	36	50	313	20	1391	121	30	1562	190	60	0	31	281	0	0	0	23	23	2179
12:00 PM	0	50	10	19	79	3	422	10	10	445	57	12	0	10	79	0	0	0	7	7	610
12:15 PM	0	43	7	22	72	8	362	33	8	411	57	15	0	18	90	0	0	0	5	5	578
12:30 PM	0	41	11	22	74	14	345	51	6	416	53	10	0	15	78	0	0	0	5	5	573
12:45 PM	0	47	12	14	73	15	357	17	15	404	56	14	0	12	82	0	0	0	12	12	571
Total	0	181	40	77	298	40	1486	111	39	1676	223	51	0	55	329	0	0	0	29	29	2332
Grand Total	0	408	76	127	611	60	2877	232	69	3238	413	111	0	86	610	0	0	0	52	52	4511
Apprch %	0	66.8	12.4	20.8		1.9	88.9	7.2	2.1		67.7	18.2	0	14.1		0	0	0	100		
Total %	0	9	1.7	2.8	13.5	1.3	63.8	5.1	1.5	71.8	9.2	2.5	0	1.9	13.5	0	0	0	1.2	1.2	

	Victoria Street Southbound					S. Beretania Street Westbound					Victoria Street Northbound					S. Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	**50**	10	19	**79**	3	**422**	10	10	**445**	**57**	12	0	10	79	0	0	0	7	7	**610**
12:15 PM	0	43	7	**22**	72	8	362	33	8	411	57	**15**	0	**18**	**90**	0	0	0	5	5	578
12:30 PM	0	41	11	22	74	14	345	**51**	6	416	53	10	0	15	78	0	0	0	5	5	573
12:45 PM	0	47	**12**	14	73	**15**	357	17	**15**	404	56	14	0	12	82	0	0	0	**12**	**12**	571
Total Volume	0	181	40	77	298	40	1486	111	39	1676	223	51	0	55	329	0	0	0	29	29	2332
% App. Total	0	60.7	13.4	25.8		2.4	88.7	6.6	2.3		67.8	15.5	0	16.7		0	0	0	100		
PHF	.000	.905	.833	.875	.943	.667	.880	.544	.650	.942	.978	.850	.000	.764	.914	.000	.000	.000	.604	.604	.956

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

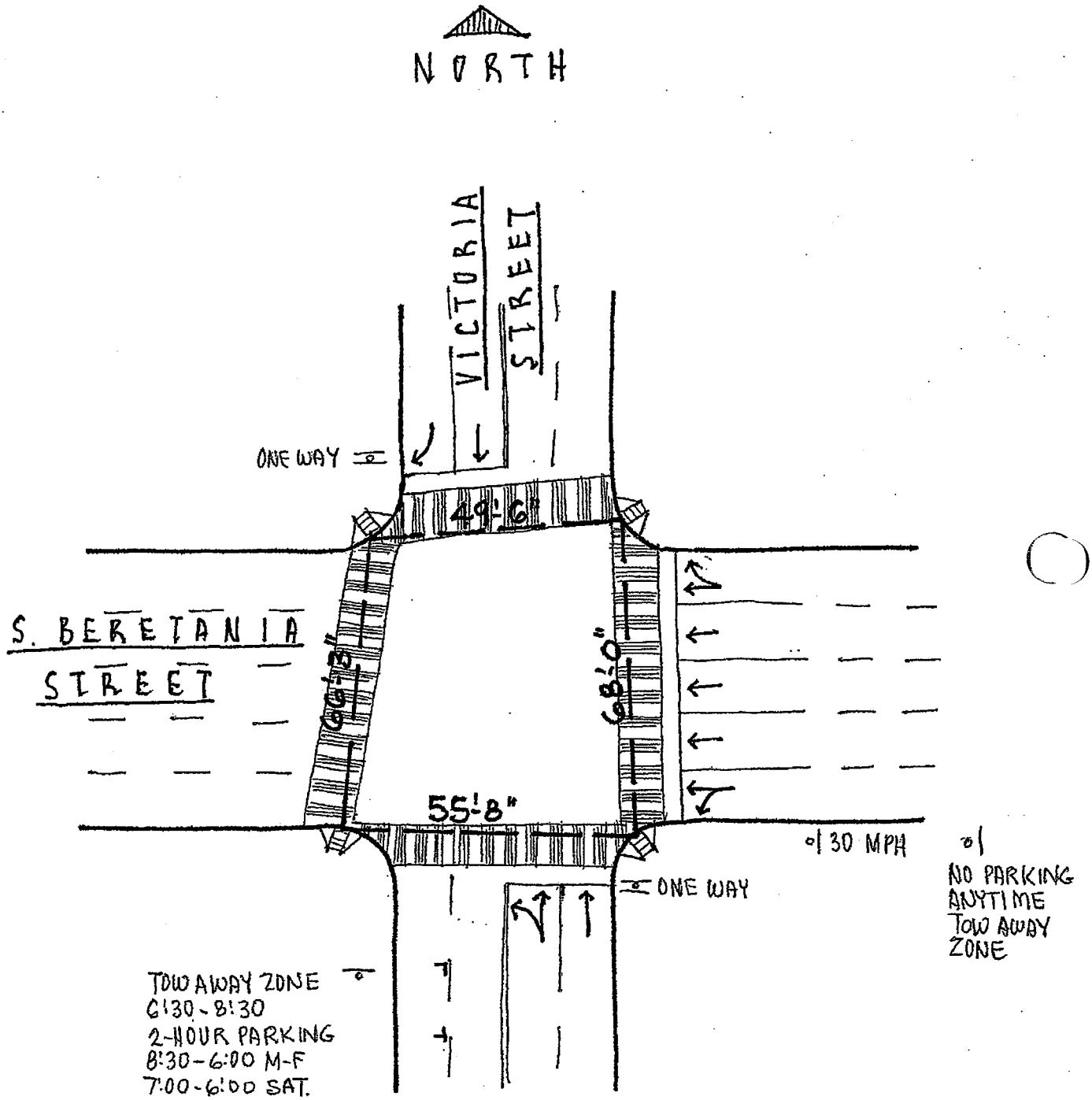
Counter:D4-5675, D4-5673
Counted:JM, MM
Weather:Clear

File Name : BerVic PM
Site Code : 00000026
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Victoria Street Southbound					S. Beretania Street Westbound					Victoria Street Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	43	8	18	69	7	506	20	10	543	99	55	0	1	155	0	0	0	5	5	772
04:15 PM	0	43	11	38	92	5	488	15	33	541	95	74	0	6	175	0	0	0	6	6	814
04:30 PM	0	34	15	18	67	3	442	31	13	489	101	90	0	6	197	0	0	0	5	5	758
04:45 PM	0	41	14	8	63	4	363	18	11	396	99	92	0	5	196	0	0	0	8	8	663
Total	0	161	48	82	291	19	1799	84	67	1969	394	311	0	18	723	0	0	0	24	24	3007
05:00 PM	0	40	12	8	60	4	407	26	6	443	69	95	0	8	172	0	0	0	2	2	677
05:15 PM	0	28	8	10	46	1	357	53	8	419	115	84	0	6	205	0	0	0	2	2	672
05:30 PM	0	29	7	7	43	2	373	28	14	417	85	91	0	5	181	0	0	0	4	4	645
05:45 PM	0	25	11	9	45	3	326	18	11	358	83	87	0	10	180	0	0	0	2	2	585
Total	0	122	38	34	194	10	1463	125	39	1637	352	357	0	29	738	0	0	0	10	10	2579
Grand Total	0	283	86	116	485	29	3262	209	106	3606	746	668	0	47	1461	0	0	0	34	34	5586
Apprch %	0	58.4	17.7	23.9		0.8	90.5	5.8	2.9		51.1	45.7	0	3.2		0	0	0	100		
Total %	0	5.1	1.5	2.1	8.7	0.5	58.4	3.7	1.9	64.6	13.4	12	0	0.8	26.2	0	0	0	0.6	0.6	

	Victoria Street Southbound					S. Beretania Street Westbound					Victoria Street Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	**43**	8	18	69	**7**	**506**	20	10	**543**	99	55	0	1	155	0	0	0	5	5	772
04:15 PM	0	43	11	**38**	**92**	5	488	15	**33**	541	95	74	0	**6**	175	0	0	0	6	6	**814**
04:30 PM	0	34	**15**	18	67	3	442	**31**	13	489	**101**	90	0	6	**197**	0	0	0	5	5	758
04:45 PM	0	41	14	8	63	4	363	18	11	396	99	**92**	0	5	196	0	0	0	**8**	**8**	663
Total Volume	0	161	48	82	291	19	1799	84	67	1969	394	311	0	18	723	0	0	0	24	24	3007
% App. Total	0	55.3	16.5	28.2		1	91.4	4.3	3.4		54.5	43	0	2.5		0	0	0	100		
PHF	.000	.936	.800	.539	.791	.679	.889	.677	.508	.907	.975	.845	.000	.750	.918	.000	.000	.000	.750	.750	.924


NORTH
VICTORIA STREET
ONE WAY
49'-6"
S. BERETANIA STREET
68'-3"
68'-0"
55'-8"
30 MPH
ONE WAY
NO PARKING ANYTIME TOW AWAY ZONE
TOW AWAY ZONE
6:30 - 8:30
2-HOUR PARKING
8:30 - 6:00 M-F
7:00 - 6:00 SAT.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0768, D4-5676
Counted:JY, VT
Weather:Clear

File Name : BerPen AM
Site Code : 00000027
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Beretania Street Westbound					Pensacola Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	162	57	14	233	28	502	0	21	551	0	0	0	9	9	0	0	0	5	5	798
06:45 AM	0	180	56	9	245	36	578	0	18	632	0	0	0	6	6	0	0	0	8	8	891
Total	0	342	113	23	478	64	1080	0	39	1183	0	0	0	15	15	0	0	0	13	13	1689
07:00 AM	0	212	84	22	318	58	616	0	21	695	0	0	0	7	7	0	0	0	11	11	1031
07:15 AM	0	256	105	15	376	66	683	0	41	790	0	0	0	15	15	0	0	0	14	14	1195
07:30 AM	0	268	97	20	385	78	638	0	52	768	0	0	0	21	21	0	0	0	24	24	1198
07:45 AM	0	298	92	29	419	112	615	0	90	817	0	0	0	24	24	0	0	0	28	28	1288
Total	0	1034	378	86	1498	314	2552	0	204	3070	0	0	0	67	67	0	0	0	77	77	4712
08:00 AM	0	259	87	15	361	82	543	0	54	679	0	0	0	12	12	0	0	0	24	24	1076
08:15 AM	0	277	58	39	374	73	467	0	28	568	0	0	0	6	6	0	0	0	24	24	972
Grand Total	0	1912	636	163	2711	533	4642	0	325	5500	0	0	0	100	100	0	0	0	138	138	8449
Apprch %	0	70.5	23.5	6		9.7	84.4	0	5.9		0	0	0	100		0	0	0	100		
Total %	0	22.6	7.5	1.9	32.1	6.3	54.9	0	3.8	65.1	0	0	0	1.2	1.2	0	0	0	1.6	1.6	

	Pensacola Street Southbound					Beretania Street Westbound					Pensacola Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	256	**105**	15	376	66	**683**	0	41	790	0	0	0	15	15	0	0	0	14	14	1195
07:30 AM	0	268	97	20	385	78	638	0	52	768	0	0	0	21	21	0	0	0	24	24	1198
07:45 AM	0	**298**	92	**29**	**419**	**112**	615	0	**90**	**817**	0	0	0	**24**	**24**	0	0	0	**28**	**28**	**1288**
08:00 AM	0	259	87	15	361	82	543	0	54	679	0	0	0	12	12	0	0	0	24	24	1076
Total Volume	0	1081	381	79	1541	338	2479	0	237	3054	0	0	0	72	72	0	0	0	90	90	4757
% App. Total	0	70.1	24.7	5.1		11.1	81.2	0	7.8		0	0	0	100		0	0	0	100		
PHF	.000	.907	.907	.681	.919	.754	.907	.000	.658	.935	.000	.000	.000	.750	.750	.000	.000	.000	.804	.804	.923

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0768, D4-5676
Counted:JY, KF
Weather:Clear

File Name : BerPen MIDDAY
Site Code : 00000027
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Beretania Street Westbound					Pensacola Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	290	39	15	344	56	382	0	23	461	0	0	0	24	24	0	0	0	12	12	841
11:15 AM	0	288	35	12	335	82	358	0	43	483	0	0	0	1	1	0	0	0	8	8	827
11:30 AM	0	273	44	20	337	64	384	0	21	469	0	0	0	10	10	0	0	0	13	13	829
11:45 AM	0	270	39	12	321	67	375	0	18	460	0	0	0	1	1	0	0	0	6	6	788
Total	0	1121	157	59	1337	269	1499	0	105	1873	0	0	0	36	36	0	0	0	39	39	3285
12:00 PM	0	265	47	24	336	70	385	0	27	482	0	0	0	32	32	0	0	0	3	3	853
12:15 PM	0	268	50	25	343	81	333	0	25	439	0	0	0	23	23	0	0	0	18	18	823
12:30 PM	0	298	50	18	366	92	379	0	33	504	0	0	0	25	25	0	0	0	10	10	905
12:45 PM	0	252	45	31	328	61	379	0	32	472	0	0	0	7	7	0	0	0	11	11	818
Total	0	1083	192	98	1373	304	1476	0	117	1897	0	0	0	87	87	0	0	0	42	42	3399
Grand Total	0	2204	349	157	2710	573	2975	0	222	3770	0	0	0	123	123	0	0	0	81	81	6684
Apprch %	0	81.3	12.9	5.8		15.2	78.9	0	5.9		0	0	0	100		0	0	0	100		
Total %	0	33	5.2	2.3	40.5	8.6	44.5	0	3.3	56.4	0	0	0	1.8	1.8	0	0	0	1.2	1.2	

	Pensacola Street Southbound					Beretania Street Westbound					Pensacola Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	265	47	24	336	70	**385**	0	27	482	0	0	0	**32**	**32**	0	0	0	3	3	853
12:15 PM	0	268	**50**	25	343	81	333	0	25	439	0	0	0	23	23	0	0	0	**18**	**18**	823
12:30 PM	0	**298**	50	18	**366**	**92**	379	0	**33**	**504**	0	0	0	25	25	0	0	0	10	10	**905**
12:45 PM	0	252	45	**31**	328	61	379	0	32	472	0	0	0	7	7	0	0	0	11	11	818
Total Volume	0	1083	192	98	1373	304	1476	0	117	1897	0	0	0	87	87	0	0	0	42	42	3399
% App. Total	0	78.9	14	7.1		16	77.8	0	6.2		0	0	0	100		0	0	0	100		
PHF	.000	.909	.960	.790	.938	.826	.958	.000	.886	.941	.000	.000	.000	.680	.680	.000	.000	.000	.583	.583	.939

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0768, D4-5676
Counted:JY, KF
Weather:Clear

File Name : BerPen PM
Site Code : 00000027
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Beretania Street Westbound					Pensacola Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	167	37	30	234	80	481	0	9	570	0	0	0	1	1	0	0	0	22	22	827
04:15 PM	0	226	38	30	294	64	452	0	14	530	0	0	0	1	1	0	0	0	17	17	842
04:30 PM	0	237	42	26	305	62	442	0	43	547	0	0	0	19	19	0	0	0	15	15	886
04:45 PM	0	226	46	26	298	87	449	0	24	560	0	0	0	13	13	0	0	0	21	21	892
Total	0	856	163	112	1131	293	1824	0	90	2207	0	0	0	34	34	0	0	0	75	75	3447
05:00 PM	0	251	49	30	330	78	429	0	28	535	0	0	0	28	28	0	0	0	19	19	912
05:15 PM	0	235	41	24	300	82	355	0	22	459	0	0	0	10	10	0	0	0	12	12	781
05:30 PM	0	256	50	31	337	61	392	0	18	471	0	0	0	8	8	0	0	0	16	16	832
05:45 PM	0	250	41	22	313	68	345	0	28	441	0	0	0	5	5	0	0	0	9	9	768
Total	0	992	181	107	1280	289	1521	0	96	1906	0	0	0	51	51	0	0	0	56	56	3293
Grand Total	0	1848	344	219	2411	582	3345	0	186	4113	0	0	0	85	85	0	0	0	131	131	6740
Apprch %	0	76.6	14.3	9.1		14.2	81.3	0	4.5		0	0	0	100		0	0	0	100		
Total %	0	27.4	5.1	3.2	35.8	8.6	49.6	0	2.8	61	0	0	0	1.3	1.3	0	0	0	1.9	1.9	

	Pensacola Street Southbound					Beretania Street Westbound					Pensacola Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	226	38	**30**	294	64	**452**	0	14	530	0	0	0	1	1	0	0	0	17	17	842
04:30 PM	0	237	42	26	305	62	442	0	**43**	547	0	0	0	19	19	0	0	0	15	15	886
04:45 PM	0	226	46	26	298	**87**	449	0	24	**560**	0	0	0	13	13	0	0	0	**21**	**21**	892
05:00 PM	0	**251**	**49**	30	**330**	78	429	0	28	535	**0**	**0**	**0**	**28**	**28**	0	0	0	19	19	**912**
Total Volume	0	940	175	112	1227	291	1772	0	109	2172	0	0	0	61	61	0	0	0	72	72	3532
% App. Total	0	76.6	14.3	9.1		13.4	81.6	0	5		0	0	0	100		0	0	0	100		
PHF	.000	.936	.893	.933	.930	.836	.980	.000	.634	.970	.000	.000	.000	.545	.545	.000	.000	.000	.857	.857	.968

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

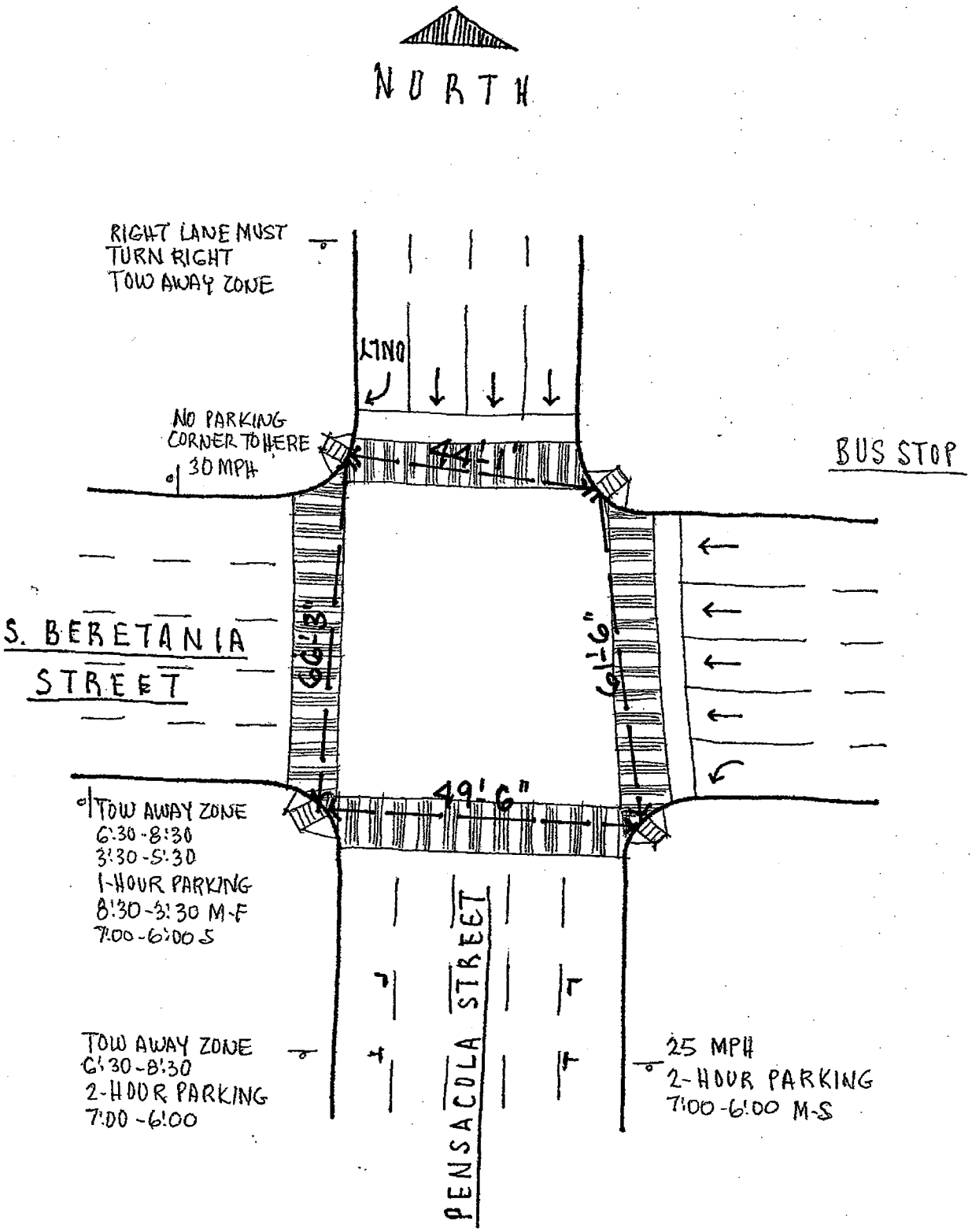
Counter:T-1841, D4-3890
Counted:ER, RL
Weather:Clear

File Name : BerPen MID
Site Code : 00000027
Start Date : 6/7/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Beretania Street Westbound					Pensacola Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	339	43	7	389	87	341	0	28	456	0	0	0	26	26	0	0	0	11	11	882
11:15 AM	0	326	46	5	377	81	372	0	26	479	0	0	0	23	23	0	0	0	10	10	889
11:30 AM	0	335	40	4	379	84	385	0	19	488	0	0	0	19	19	0	0	0	9	9	895
11:45 AM	0	323	45	11	379	98	387	0	39	524	0	0	0	17	17	0	0	0	17	17	937
Total	0	1323	174	27	1524	350	1485	0	112	1947	0	0	0	85	85	0	0	0	47	47	3603
12:00 PM	0	328	45	10	383	85	353	0	27	465	0	0	0	15	15	0	0	0	15	15	878
12:15 PM	0	317	34	6	357	87	382	0	29	498	0	0	0	22	22	0	0	0	9	9	886
12:30 PM	0	317	45	6	368	73	425	0	17	515	0	0	0	9	9	0	0	0	5	5	897
12:45 PM	0	315	46	5	366	82	363	0	17	462	0	0	0	16	16	0	0	0	7	7	851
Total	0	1277	170	27	1474	327	1523	0	90	1940	0	0	0	62	62	0	0	0	36	36	3512
01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	2600	344	54	2998	677	3008	0	202	3887	0	0	0	147	147	0	0	0	83	83	7115
Apprch %	0	86.7	11.5	1.8		17.4	77.4	0	5.2		0	0	0	100		0	0	0	100		
Total %	0	36.5	4.8	0.8	42.1	9.5	42.3	0	2.8	54.6	0	0	0	2.1	2.1	0	0	0	1.2	1.2	

	Pensacola Street Southbound					Beretania Street Westbound					Pensacola Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 01:00 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	0	**339**	43	7	**389**	87	341	0	28	456	0	0	0	**26**	**26**	0	0	0	11	11	882
11:15 AM	0	326	**46**	5	377	81	372	0	26	479	0	0	0	23	23	0	0	0	10	10	889
11:30 AM	0	335	40	4	379	84	385	0	19	488	0	0	0	19	19	0	0	0	9	9	895
11:45 AM	0	323	45	**11**	379	**98**	**387**	0	**39**	**524**	0	0	0	17	17	0	0	0	**17**	**17**	**937**
Total Volume	0	1323	174	27	1524	350	1485	0	112	1947	0	0	0	85	85	0	0	0	47	47	3603
% App. Total	0	86.8	11.4	1.8		18	76.3	0	5.8		0	0	0	100		0	0	0	100		
PHF	.000	.976	.946	.614	.979	.893	.959	.000	.718	.929	.000	.000	.000	.817	.817	.000	.000	.000	.691	.691	.961


NORTH
RIGHT LANE MUST
TURN RIGHT
TOW AWAY ZONE
ONLY
NO PARKING
CORNER TO HERE
30 MPH
BUS STOP
S. BERETANIA
STREET
49'6"
TOW AWAY ZONE
6:30-8:30
3:30-5:30
1-HOUR PARKING
8:30-3:30 M-F
7:00-6:00 S
PENSACOLA STREET
TOW AWAY ZONE
6:30-8:30
2-HOUR PARKING
7:00-6:00
25 MPH
2-HOUR PARKING
7:00-6:00 M-S

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0769, D4-3889
Counted:KK, DY
Weather:Clear

File Name : BerPii AM
Site Code : 00000028
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Beretania Street Westbound					Piikoi Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	0	10	10	0	443	71	12	526	67	168	0	10	245	0	0	0	7	7	788
06:45 AM	0	0	0	5	5	0	552	89	10	651	75	192	0	9	276	0	0	0	17	17	949
Total	0	0	0	15	15	0	995	160	22	1177	142	360	0	19	521	0	0	0	24	24	1737
07:00 AM	0	0	0	9	9	0	626	70	10	706	74	260	0	4	338	0	0	0	19	19	1072
07:15 AM	0	0	0	15	15	0	703	101	17	821	76	294	0	8	378	0	0	0	15	15	1229
07:30 AM	0	0	0	12	12	0	691	109	8	808	55	276	0	12	343	0	0	0	41	41	1204
07:45 AM	0	0	0	8	8	0	715	98	14	827	68	247	0	12	327	0	0	0	38	38	1200
Total	0	0	0	44	44	0	2735	378	49	3162	273	1077	0	36	1386	0	0	0	113	113	4705
08:00 AM	0	0	0	10	10	0	584	86	14	684	73	235	0	9	317	0	0	0	14	14	1025
08:15 AM	0	0	0	6	6	0	514	82	8	604	79	223	0	7	309	0	0	0	10	10	929
Grand Total	0	0	0	75	75	0	4828	706	93	5627	567	1895	0	71	2533	0	0	0	161	161	8396
Apprch %	0	0	0	100		0	85.8	12.5	1.7		22.4	74.8	0	2.8		0	0	0	100		
Total %	0	0	0	0.9	0.9	0	57.5	8.4	1.1	67	6.8	22.6	0	0.8	30.2	0	0	0	1.9	1.9	

	Piikoi Street Southbound					Beretania Street Westbound					Piikoi Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	0	0	9	9	0	626	70	10	706	74	260	0	4	338	0	0	0	19	19	1072
07:15 AM	0	0	0	**15**	**15**	0	703	101	17	821	**76**	**294**	0	8	**378**	0	0	0	15	15	**1229**
07:30 AM	0	0	0	12	12	0	691	**109**	8	808	55	276	0	**12**	343	0	0	0	**41**	**41**	1204
07:45 AM	0	0	0	8	8	0	**715**	98	14	**827**	68	247	0	12	327	0	0	0	38	38	1200
Total Volume	0	0	0	44	44	0	2735	378	49	3162	273	1077	0	36	1386	0	0	0	113	113	4705
% App. Total	0	0	0	100		0	86.5	12	1.5		19.7	77.7	0	2.6		0	0	0	100		
PHF	.000	.000	.000	.733	.733	.000	.956	.867	.721	.956	.898	.916	.000	.750	.917	.000	.000	.000	.689	.689	.957

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0769, D4-5674
Counted:JY, KK
Weather:Clear

File Name : BerPii MIDDAY
Site Code : 00000028
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Beretania Street Westbound					Piikoi Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	8	8	0	332	92	11	435	109	336	0	4	449	0	0	0	5	5	897
11:15 AM	0	0	0	5	5	0	342	102	15	459	132	357	0	12	501	0	0	0	9	9	974
11:30 AM	0	0	0	9	9	0	350	108	6	464	113	344	0	13	470	0	0	0	8	8	951
11:45 AM	0	0	0	9	9	0	327	96	15	438	106	379	0	12	497	0	0	0	10	10	954
Total	0	0	0	31	31	0	1351	398	47	1796	460	1416	0	41	1917	0	0	0	32	32	3776
12:00 PM	0	0	0	14	14	0	349	121	10	480	139	375	0	14	528	0	0	0	10	10	1032
12:15 PM	0	0	0	5	5	0	341	106	9	456	129	345	0	5	479	0	0	0	11	11	951
12:30 PM	0	0	0	3	3	0	350	118	14	482	96	345	0	10	451	0	0	0	8	8	944
12:45 PM	0	0	0	9	9	0	358	107	13	478	104	362	0	13	479	0	0	0	10	10	976
Total	0	0	0	31	31	0	1398	452	46	1896	468	1427	0	42	1937	0	0	0	39	39	3903
Grand Total	0	0	0	62	62	0	2749	850	93	3692	928	2843	0	83	3854	0	0	0	71	71	7679
Apprch %	0	0	0	100		0	74.5	23	2.5		24.1	73.8	0	2.2		0	0	0	100		
Total %	0	0	0	0.8	0.8	0	35.8	11.1	1.2	48.1	12.1	37	0	1.1	50.2	0	0	0	0.9	0.9	

	Piikoi Street Southbound					Beretania Street Westbound					Piikoi Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	0	0	0	5	5	0	342	102	**15**	459	132	357	0	12	501	0	0	0	9	9	974
11:30 AM	0	0	0	9	9	0	**350**	108	6	464	113	344	0	13	470	0	0	0	8	8	951
11:45 AM	0	0	0	9	9	0	327	96	15	438	106	**379**	0	12	497	0	0	0	**10**	**10**	954
12:00 PM	0	0	0	**14**	**14**	0	349	**121**	10	**480**	**139**	375	0	**14**	**528**	0	0	0	10	10	**1032**
Total Volume	0	0	0	37	37	0	1368	427	46	1841	490	1455	0	51	1996	0	0	0	37	37	3911
% App. Total	0	0	0	100		0	74.3	23.2	2.5		24.5	72.9	0	2.6		0	0	0	100		
PHF	.000	.000	.000	.661	.661	.000	.977	.882	.767	.959	.881	.960	.000	.911	.945	.000	.000	.000	.925	.925	.947

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0769, D4-5672
Counted:AF, RB
Weather:Clear

File Name : BerPii PM
Site Code : 00000028
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Beretania Street Westbound					Piikoi Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	0	7	7	0	384	184	18	586	119	345	0	5	469	0	0	0	0	0	1062
04:15 PM	0	0	0	6	6	0	357	178	15	550	135	365	0	9	509	0	0	0	0	0	1065
04:30 PM	0	0	0	7	7	0	353	150	35	538	108	359	0	5	472	0	0	0	0	0	1017
04:45 PM	0	0	0	9	9	0	404	248	20	672	141	364	0	10	515	0	0	0	0	0	1196
Total	0	0	0	29	29	0	1498	760	88	2346	503	1433	0	29	1965	0	0	0	0	0	4340
05:00 PM	0	0	0	6	6	10	325	283	19	637	97	384	0	16	497	0	0	0	0	0	1140
05:15 PM	0	0	0	3	3	0	306	253	44	603	128	363	0	14	505	0	0	0	0	0	1111
05:30 PM	0	0	0	13	13	0	349	255	35	639	112	374	0	12	498	0	0	0	0	0	1150
05:45 PM	0	0	0	9	9	0	349	247	19	615	95	373	0	13	481	0	0	0	0	0	1105
Total	0	0	0	31	31	10	1329	1038	117	2494	432	1494	0	55	1981	0	0	0	0	0	4506
Grand Total	0	0	0	60	60	10	2827	1798	205	4840	935	2927	0	84	3946	0	0	0	0	0	8846
Apprch %	0	0	0	100		0.2	58.4	37.1	4.2		23.7	74.2	0	2.1		0	0	0	0		
Total %	0	0	0	0.7	0.7	0.1	32	20.3	2.3	54.7	10.6	33.1	0	0.9	44.6	0	0	0	0	0	

	Piikoi Street Southbound					Beretania Street Westbound					Piikoi Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	0	0	0	9	9	0	**404**	248	20	**672**	**141**	364	0	10	**515**	0	0	0	0	0	**1196**
05:00 PM	0	0	0	6	6	**10**	325	**283**	19	637	97	**384**	0	**16**	497	0	0	0	0	0	1140
05:15 PM	0	0	0	3	3	0	306	253	**44**	603	128	363	0	14	505	0	0	0	0	0	1111
05:30 PM	0	0	0	**13**	**13**	0	349	255	35	639	112	374	0	12	498	0	0	0	0	0	1150
Total Volume	0	0	0	31	31	10	1384	1039	118	2551	478	1485	0	52	2015	0	0	0	0	0	4597
% App. Total	0	0	0	100		0.4	54.3	40.7	4.6		23.7	73.7	0	2.6		0	0	0	0		
PHF	.000	.000	.000	.596	.596	.250	.856	.918	.670	.949	.848	.967	.000	.813	.978	.000	.000	.000	.000	.000	.961

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

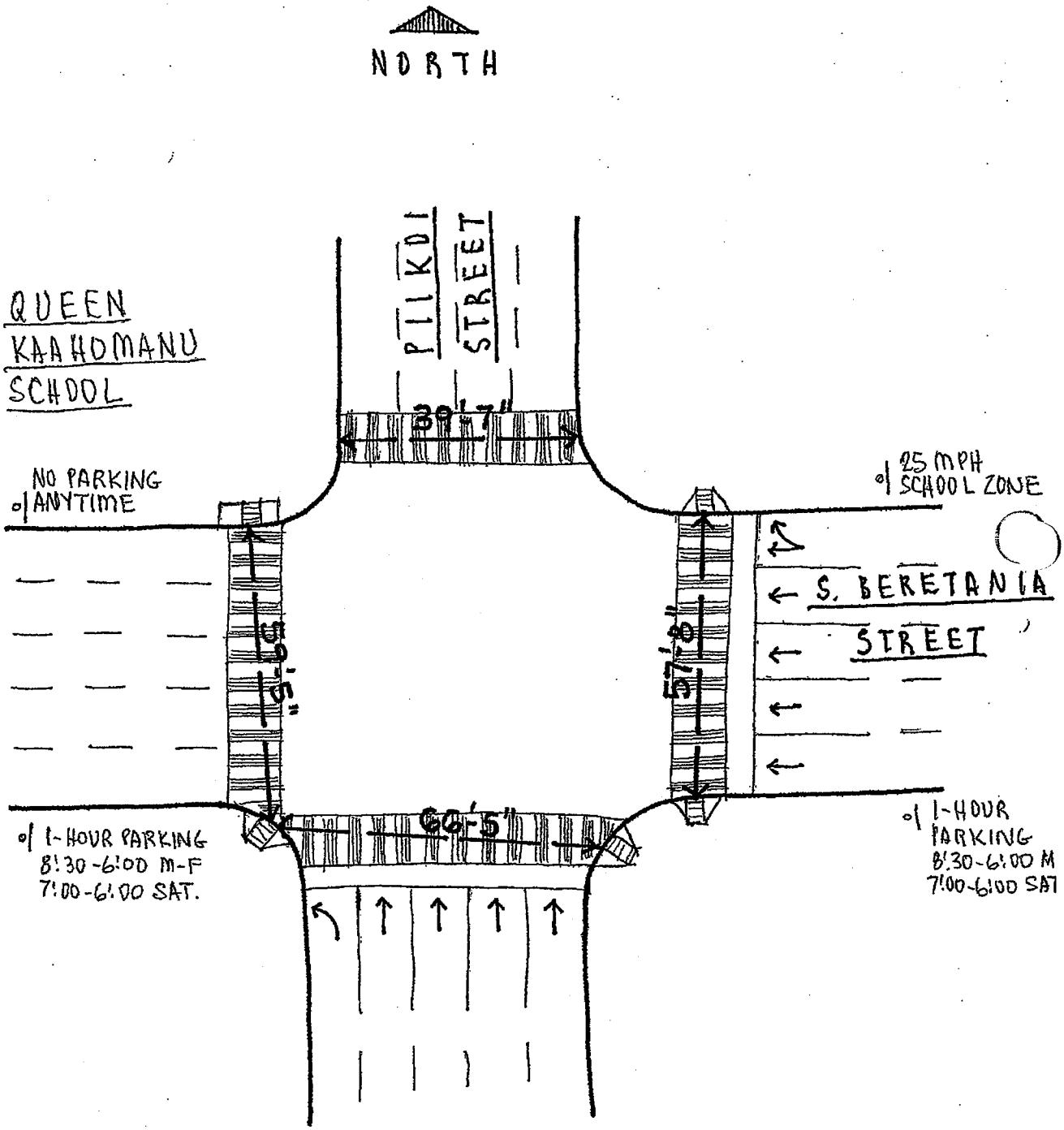
Counter:D4-5675, D4-5676
Counted:SD, WA
Weather:Clear

File Name : BerPii
Site Code : 00000028
Start Date : 6/7/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Beretania Street Westbound					Piikoi Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	0	6	6	0	347	94	14	455	111	339	0	6	456	0	0	0	9	9	926
11:15 AM	0	0	0	1	1	0	365	115	9	489	100	362	0	7	469	0	0	0	4	4	963
11:30 AM	0	0	0	9	9	0	366	121	19	506	106	388	0	12	506	0	0	0	7	7	1028
11:45 AM	0	0	0	3	3	0	368	111	19	498	112	426	0	6	544	0	0	0	8	8	1053
Total	0	0	0	19	19	0	1446	441	61	1948	429	1515	0	31	1975	0	0	0	28	28	3970
12:00 PM	0	0	0	1	1	0	309	122	10	441	113	363	0	6	482	0	0	0	2	2	926
12:15 PM	0	0	0	1	1	0	337	117	12	466	126	410	0	3	539	0	0	0	3	3	1009
12:30 PM	0	0	0	1	1	0	354	119	7	480	125	408	0	5	538	0	0	0	3	3	1022
12:45 PM	0	0	0	2	2	0	320	98	8	426	132	403	0	6	541	0	0	0	2	2	971
Total	0	0	0	5	5	0	1320	456	37	1813	496	1584	0	20	2100	0	0	0	10	10	3928
Grand Total	0	0	0	24	24	0	2766	897	98	3761	925	3099	0	51	4075	0	0	0	38	38	7898
Apprch %	0	0	0	100		0	73.5	23.9	2.6		22.7	76	0	1.3		0	0	0	100		
Total %	0	0	0	0.3	0.3	0	35	11.4	1.2	47.6	11.7	39.2	0	0.6	51.6	0	0	0	0.5	0.5	

	Piikoi Street Southbound					Beretania Street Westbound					Piikoi Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	0	0	0	**9**	**9**	0	366	121	**19**	**506**	106	388	0	**12**	506	0	0	0	7	7	1028
11:45 AM	0	0	0	3	3	0	**368**	111	19	498	112	**426**	0	6	**544**	0	0	0	**8**	**8**	**1053**
12:00 PM	0	0	0	1	1	0	309	**122**	10	441	113	363	0	6	482	0	0	0	2	2	926
12:15 PM	0	0	0	1	1	0	337	117	12	466	**126**	410	0	3	539	0	0	0	3	3	1009
Total Volume	0	0	0	14	14	0	1380	471	60	1911	457	1587	0	27	2071	0	0	0	20	20	4016
% App. Total	0	0	0	100		0	72.2	24.6	3.1		22.1	76.6	0	1.3		0	0	0	100		
PHF	.000	.000	.000	.389	.389	.000	.938	.965	.789	.944	.907	.931	.000	.563	.952	.000	.000	.000	.625	.625	.953


NORTH
QUEEN KAAHOMANU SCHOOL
PILIKOI STREET
30'-7"
NO PARKING ANYTIME
25 MPH SCHOOL ZONE
S. BERETANIA STREET
19'-5"
57'-0"
66'-5"
1-HOUR PARKING 8:30-6:00 M-F 7:00-6:00 SAT.
1-HOUR PARKING 8:30-6:00 M 7:00-6:00 SAT

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D45674
Counted:ZW, RB
Weather:Clear

File Name : BerKee AM
Site Code : 00000029
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Beretania Street Westbound					Keeaumoku Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	120	49	5	174	47	447	13	21	528	26	46	0	2	74	0	0	0	6	6	782
06:45 AM	0	143	48	8	199	46	555	21	21	643	32	82	0	3	117	0	0	0	13	13	972
Total	0	263	97	13	373	93	1002	34	42	1171	58	128	0	5	191	0	0	0	19	19	1754
07:00 AM	0	169	78	10	257	58	629	25	22	734	20	88	0	4	112	0	0	0	18	18	1121
07:15 AM	0	220	96	6	322	55	679	33	15	782	31	106	0	8	145	0	0	0	20	20	1269
07:30 AM	0	244	95	8	347	89	643	34	17	783	39	107	0	6	152	0	0	0	18	18	1300
07:45 AM	0	217	75	9	301	110	665	35	18	828	53	84	0	7	144	0	0	0	16	16	1289
Total	0	850	344	33	1227	312	2616	127	72	3127	143	385	0	25	553	0	0	0	72	72	4979
08:00 AM	0	204	65	8	277	95	570	25	22	712	31	68	0	7	106	0	0	0	18	18	1113
08:15 AM	0	178	58	7	243	98	488	22	18	626	41	57	0	7	105	0	0	0	9	9	983
Grand Total	0	1495	564	61	2120	598	4676	208	154	5636	273	638	0	44	955	0	0	0	118	118	8829
Apprch %	0	70.5	26.6	2.9		10.6	83	3.7	2.7		28.6	66.8	0	4.6		0	0	0	100		
Total %	0	16.9	6.4	0.7	24	6.8	53	2.4	1.7	63.8	3.1	7.2	0	0.5	10.8	0	0	0	1.3	1.3	

	Keeaumoku Street Southbound					Beretania Street Westbound					Keeaumoku Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	169	78	**10**	257	58	629	25	**22**	734	20	88	0	4	112	0	0	0	18	18	1121
07:15 AM	0	220	**96**	6	322	55	**679**	33	15	782	31	106	0	**8**	145	0	0	0	**20**	**20**	1269
07:30 AM	0	**244**	95	8	**347**	89	643	34	17	783	39	**107**	0	6	**152**	0	0	0	18	18	**1300**
07:45 AM	0	217	75	9	301	**110**	665	**35**	18	**828**	**53**	84	0	7	144	0	0	0	16	16	1289
Total Volume	0	850	344	33	1227	312	2616	127	72	3127	143	385	0	25	553	0	0	0	72	72	4979
% App. Total	0	69.3	28	2.7		10	83.7	4.1	2.3		25.9	69.6	0	4.5		0	0	0	100		
PHF	.000	.871	.896	.825	.884	.709	.963	.907	.818	.944	.675	.900	.000	.781	.910	.000	.000	.000	.900	.900	.958

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5674
Counted:ZW, LE
Weather:Clear

File Name : BerKee MIDDAY
Site Code : 00000029
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Beretania Street Westbound					Keeaumoku Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	189	25	7	221	85	315	25	3	428	67	113	0	0	180	0	0	0	17	17	846
11:15 AM	0	184	40	7	231	77	349	25	5	456	77	121	0	0	198	0	0	0	14	14	899
11:30 AM	0	190	49	9	248	81	326	18	12	437	88	143	0	0	231	0	0	0	13	13	929
11:45 AM	0	162	42	9	213	87	298	22	7	414	85	123	0	0	208	0	0	0	29	29	864
Total	0	725	156	32	913	330	1288	90	27	1735	317	500	0	0	817	0	0	0	73	73	3538
12:00 PM	0	209	41	11	261	81	331	24	0	436	81	156	0	0	237	0	0	0	25	25	959
12:15 PM	0	161	36	2	199	97	299	29	0	425	84	169	0	0	253	0	0	0	10	10	887
12:30 PM	0	165	39	6	210	84	339	24	6	453	75	128	0	0	203	0	0	0	15	15	881
12:45 PM	0	187	32	0	219	98	367	22	6	493	96	119	0	0	215	0	0	0	11	11	938
Total	0	722	148	19	889	360	1336	99	12	1807	336	572	0	0	908	0	0	0	61	61	3665
Grand Total	0	1447	304	51	1802	690	2624	189	39	3542	653	1072	0	0	1725	0	0	0	134	134	7203
Apprch %	0	80.3	16.9	2.8		19.5	74.1	5.3	1.1		37.9	62.1	0	0		0	0	0	100		
Total %	0	20.1	4.2	0.7	25	9.6	36.4	2.6	0.5	49.2	9.1	14.9	0	0	23.9	0	0	0	1.9	1.9	

	Keeaumoku Street Southbound					Beretania Street Westbound					Keeaumoku Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	**209**	**41**	**11**	**261**	81	331	24	0	436	81	**156**	0	0	237	0	0	0	**25**	**25**	**959**
12:15 PM	0	161	36	2	199	97	299	**29**	0	425	84	**169**	0	0	**253**	0	0	0	10	10	887
12:30 PM	0	165	39	6	210	84	339	24	**6**	453	75	128	0	0	203	0	0	0	15	15	881
12:45 PM	0	187	32	0	219	**98**	**367**	22	6	**493**	**96**	119	0	0	215	0	0	0	11	11	938
Total Volume	0	722	148	19	889	360	1336	99	12	1807	336	572	0	0	908	0	0	0	61	61	3665
% App. Total	0	81.2	16.6	2.1		19.9	73.9	5.5	0.7		37	63	0	0		0	0	0	100		
PHF	.000	.864	.902	.432	.852	.918	.910	.853	.500	.916	.875	.846	.000	.000	.897	.000	.000	.000	.610	.610	.955

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5674
Counted:ZW, LE
Weather:Clear

File Name : BerKee PM
Site Code : 00000029
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Beretania Street Westbound					Keeaumoku Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	195	36	15	246	68	470	38	8	584	84	263	0	12	359	0	0	0	24	24	1213
04:15 PM	0	170	41	3	214	79	427	48	15	569	70	255	0	7	332	0	0	0	20	20	1135
04:30 PM	0	207	46	5	258	62	386	51	25	524	63	247	0	13	323	0	0	0	28	28	1133
04:45 PM	0	222	25	13	260	84	383	47	33	547	91	300	0	12	403	0	0	0	20	20	1230
Total	0	794	148	36	978	293	1666	184	81	2224	308	1065	0	44	1417	0	0	0	92	92	4711
05:00 PM	0	190	35	4	229	79	335	35	27	476	74	308	0	23	405	0	0	0	15	15	1125
05:15 PM	0	162	40	9	211	68	341	62	15	486	72	281	0	14	367	0	0	0	17	17	1081
05:30 PM	0	201	39	1	241	72	324	66	10	472	72	274	0	6	352	0	0	0	15	15	1080
05:45 PM	0	180	40	12	232	77	327	48	6	458	74	242	0	9	325	0	0	0	21	21	1036
Total	0	733	154	26	913	296	1327	211	58	1892	292	1105	0	52	1449	0	0	0	68	68	4322
Grand Total	0	1527	302	62	1891	589	2993	395	139	4116	600	2170	0	96	2866	0	0	0	160	160	9033
Apprch %	0	80.8	16	3.3		14.3	72.7	9.6	3.4		20.9	75.7	0	3.3		0	0	0	100		
Total %	0	16.9	3.3	0.7	20.9	6.5	33.1	4.4	1.5	45.6	6.6	24	0	1.1	31.7	0	0	0	1.8	1.8	

	Keeaumoku Street Southbound					Beretania Street Westbound					Keeaumoku Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	195	36	**15**	246	68	**470**	38	8	**584**	84	263	0	12	359	0	0	0	24	24	1213
04:15 PM	0	170	41	3	214	79	427	48	15	569	70	255	0	7	332	0	0	0	20	20	1135
04:30 PM	0	207	**46**	5	258	62	386	**51**	25	524	63	247	0	**13**	323	0	0	0	**28**	**28**	1133
04:45 PM	0	**222**	25	13	**260**	**84**	383	47	**33**	547	**91**	**300**	0	12	**403**	0	0	0	20	20	**1230**
Total Volume	0	794	148	36	978	293	1666	184	81	2224	308	1065	0	44	1417	0	0	0	92	92	4711
% App. Total	0	81.2	15.1	3.7		13.2	74.9	8.3	3.6		21.7	75.2	0	3.1		0	0	0	100		
PHF	.000	.894	.804	.600	.940	.872	.886	.902	.614	.952	.846	.888	.000	.846	.879	.000	.000	.000	.821	.821	.958

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

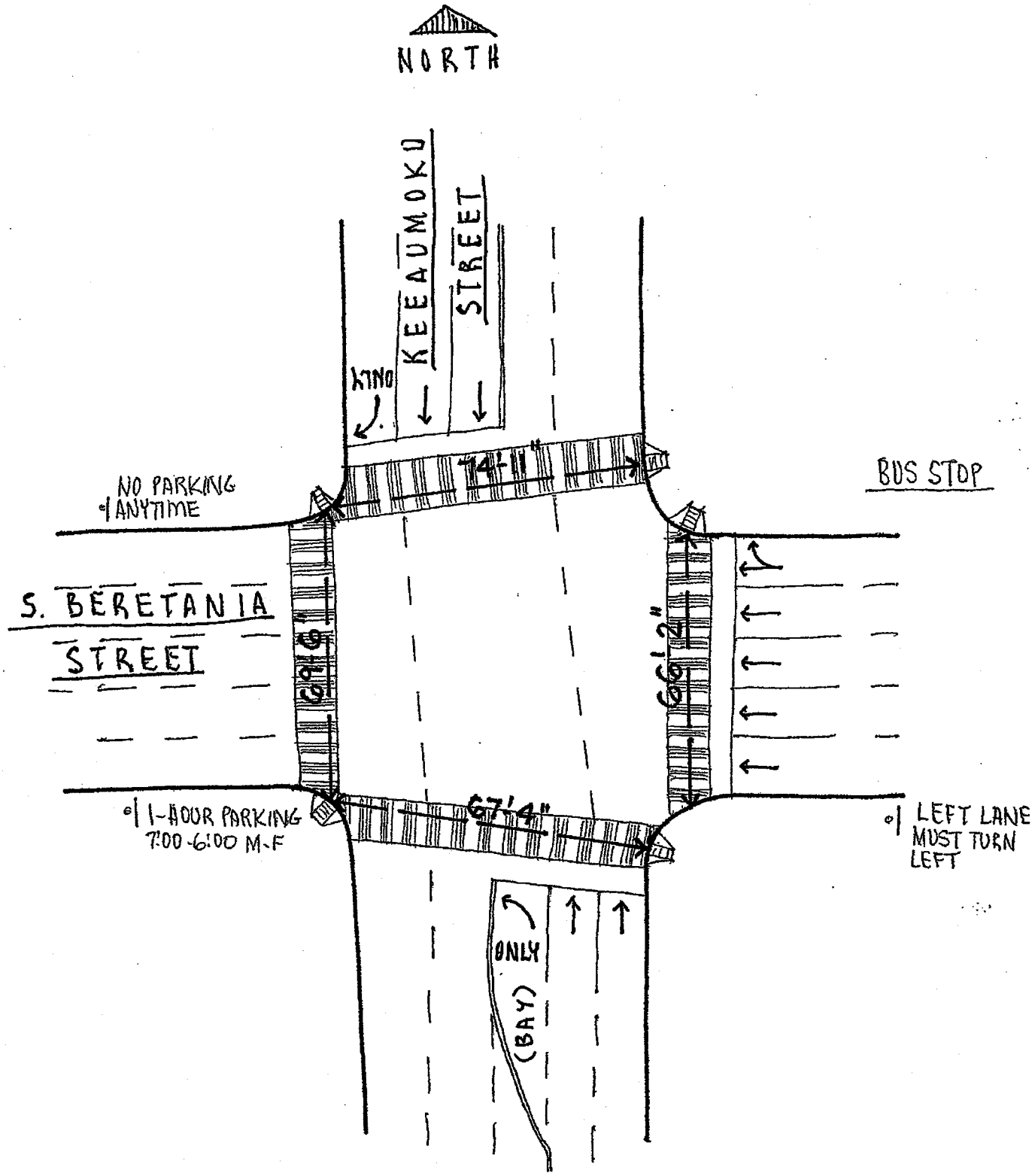
Counter:D4-5674, D4-3891
Counted:SD, WA
Weather:Clear

File Name : BerKee MIDDAY
Site Code : 00000029
Start Date : 6/7/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Beretania Street Westbound					Keeaumoku Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	244	26	3	273	119	367	27	4	517	81	117	0	1	199	0	0	0	2	2	991
11:15 AM	0	230	50	5	285	107	326	21	5	459	86	158	0	2	246	0	0	0	1	1	991
11:30 AM	0	252	41	8	301	89	340	23	5	457	97	143	0	3	243	0	0	0	0	0	1001
11:45 AM	0	248	52	11	311	104	319	33	7	463	92	144	0	3	239	0	0	0	1	1	1014
Total	0	974	169	27	1170	419	1352	104	21	1896	356	562	0	9	927	0	0	0	4	4	3997
12:00 PM	0	213	45	4	262	124	339	33	23	519	91	173	0	3	267	0	0	0	5	5	1053
12:15 PM	0	232	35	14	281	98	329	30	18	475	92	174	0	3	269	0	0	0	2	2	1027
12:30 PM	0	231	44	6	281	100	331	27	13	471	89	181	0	6	276	0	0	0	4	4	1032
12:45 PM	0	235	51	5	291	106	328	26	27	487	86	168	0	5	259	0	0	0	7	7	1044
Total	0	911	175	29	1115	428	1327	116	81	1952	358	696	0	17	1071	0	0	0	18	18	4156
Grand Total	0	1885	344	56	2285	847	2679	220	102	3848	714	1258	0	26	1998	0	0	0	22	22	8153
Apprch %	0	82.5	15.1	2.5		22	69.6	5.7	2.7		35.7	63	0	1.3		0	0	0	100		
Total %	0	23.1	4.2	0.7	28	10.4	32.9	2.7	1.3	47.2	8.8	15.4	0	0.3	24.5	0	0	0	0.3	0.3	

	Keeaumoku Street Southbound					Beretania Street Westbound					Keeaumoku Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	213	45	4	262	**124**	**339**	**33**	23	**519**	91	173	0	3	267	0	0	0	5	5	**1053**
12:15 PM	0	232	35	14	281	98	329	30	18	475	**92**	174	0	3	269	0	0	0	2	2	1027
12:30 PM	0	231	44	6	281	100	331	27	13	471	89	**181**	0	**6**	**276**	0	0	0	4	4	1032
12:45 PM	0	**235**	**51**	5	**291**	106	328	26	**27**	487	86	168	0	5	259	0	0	0	**7**	**7**	1044
Total Volume	0	911	175	29	1115	428	1327	116	81	1952	358	696	0	17	1071	0	0	0	18	18	4156
% App. Total	0	81.7	15.7	2.6		21.9	68	5.9	4.1		33.4	65	0	1.6		0	0	0	100		
PHF	.000	.969	.858	.518	.958	.863	.979	.879	.750	.940	.973	.961	.000	.708	.970	.000	.000	.000	.643	.643	.987


NORTH
KEEAUMOKU
STREET
KING
74'-11"
NO PARKING
ANYTIME
BUS STOP
S. BERETANIA
STREET
39'-9"
66'-2"
67'-4"
1-HOUR PARKING
7:00-6:00 M-F
LEFT LANE
MUST TURN
LEFT
ONLY
(BAY)

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888
Counted:SD
Weather:Clear

File Name : BerFoodland X-Walk AM
Site Code : 00000030
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
06:30 AM	0	0	524	0	9	533	0	0	533
06:45 AM	0	0	632	0	9	641	0	0	641
Total	0	0	1156	0	18	1174	0	0	1174
07:00 AM	0	0	730	0	2	732	0	0	732
07:15 AM	0	0	784	0	7	791	0	0	791
07:30 AM	0	0	812	0	12	824	0	0	824
07:45 AM	0	0	781	0	15	796	0	0	796
Total	0	0	3107	0	36	3143	0	0	3143
08:00 AM	0	0	693	0	7	700	0	0	700
08:15 AM	0	0	644	0	12	656	0	0	656
Grand Total	0	0	5600	0	73	5673	0	0	5673
Apprch %		0	98.7	0	1.3				
Total %	0	0	98.7	0	1.3	100	0	0	

	Southbound	Beretania Street Westbound					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 07:00 AM									
07:00 AM	0	0	730	0	2	732	0	0	732
07:15 AM	0	0	784	0	7	791	0	0	791
07:30 AM	0	0	812	0	12	824	0	0	824
07:45 AM	0	0	781	0	15	796	0	0	796
Total Volume	0	0	3107	0	36	3143	0	0	3143
% App. Total		0	98.9	0	1.1				
PHF	.000	.000	.957	.000	.600	.954	.000	.000	.954

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888
Counted:SD
Weather:Clear

File Name : Ber Foodaland X-Walk MIDDAY
Site Code : 00000030
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
06:30 AM	0	0	524	0	9	533	0	0	533
06:45 AM	0	0	632	0	9	641	0	0	641
Total	0	0	1156	0	18	1174	0	0	1174
07:00 AM	0	0	730	0	2	732	0	0	732
07:15 AM	0	0	784	0	7	791	0	0	791
07:30 AM	0	0	812	0	12	824	0	0	824
07:45 AM	0	0	781	0	15	796	0	0	796
Total	0	0	3107	0	36	3143	0	0	3143
08:00 AM	0	0	693	0	7	700	0	0	700
08:15 AM	0	0	644	0	12	656	0	0	656
Grand Total	0	0	5600	0	73	5673	0	0	5673
Apprch %		0	98.7	0	1.3				
Total %	0	0	98.7	0	1.3	100	0	0	

	Southbound	Beretania Street Westbound					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 07:00 AM									
07:00 AM	0	0	730	0	2	732	0	0	732
07:15 AM	0	0	784	0	7	791	0	0	791
07:30 AM	0	0	**812**	0	12	**824**	0	0	**824**
07:45 AM	0	0	781	0	**15**	796	0	0	796
Total Volume	0	0	3107	0	36	3143	0	0	3143
% App. Total		0	98.9	0	1.1				
PHF	.000	.000	.957	.000	.600	.954	.000	.000	.954

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

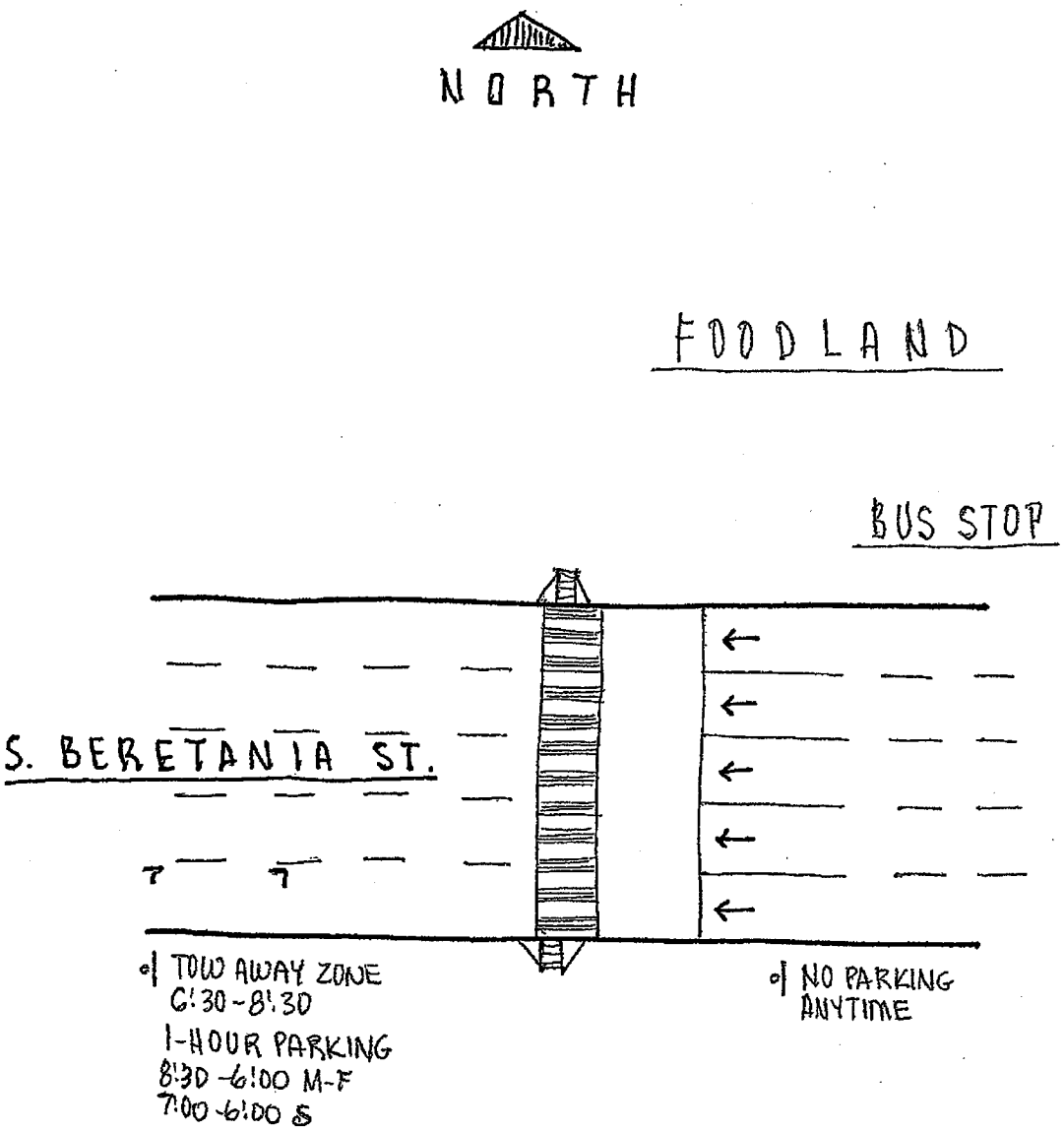
Counter:D4-3888
Counted:DY
Weather:Clear

File Name : BerFoodland X-Walk PM
Site Code : 00000030
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
04:00 PM	0	0	557	0	17	574	0	0	574
04:15 PM	0	0	531	0	5	536	0	0	536
04:30 PM	0	0	542	0	9	551	0	0	551
04:45 PM	0	0	480	0	14	494	0	0	494
Total	0	0	2110	0	45	2155	0	0	2155
05:00 PM	0	0	427	0	13	440	0	0	440
05:15 PM	0	0	463	0	7	470	0	0	470
05:30 PM	0	0	441	0	5	446	0	0	446
05:45 PM	0	0	408	0	6	414	0	0	414
Total	0	0	1739	0	31	1770	0	0	1770
Grand Total	0	0	3849	0	76	3925	0	0	3925
Apprch %		0	98.1	0	1.9				
Total %	0	0	98.1	0	1.9	100	0	0	

	Southbound	Beretania Street Westbound					Northbound	Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 04:00 PM									
04:00 PM	0	0	**557**	0	**17**	**574**	0	0	**574**
04:15 PM	0	0	531	0	5	536	0	0	536
04:30 PM	0	0	542	0	9	551	0	0	551
04:45 PM	0	0	480	0	14	494	0	0	494
Total Volume	0	0	2110	0	45	2155	0	0	2155
% App. Total		0	97.9	0	2.1				
PHF	.000	.000	.947	.000	.662	.939	.000	.000	.939


NORTH
FOODLAND
BUS STOP
S. BERETANIA ST.
TOW AWAY ZONE
6:30 - 8:30
1-HOUR PARKING
8:30 - 6:00 M-F
7:00 - 6:00 S
NO PARKING
ANYTIME

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5672
Counted:ME, TO
Weather:Clear

File Name : BerKal AM
Site Code : 00000031
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
06:30 AM	0	99	419	0	5	523	105	0	0	3	108	0	631
06:45 AM	0	104	486	0	9	599	114	0	0	3	117	0	716
Total	0	203	905	0	14	1122	219	0	0	6	225	0	1347
07:00 AM	0	72	592	0	19	683	179	0	0	4	183	0	866
07:15 AM	0	81	585	0	18	684	195	0	0	4	199	0	883
07:30 AM	0	116	663	0	25	804	188	0	0	6	194	0	998
07:45 AM	0	128	702	0	20	850	151	0	0	2	153	0	1003
Total	0	397	2542	0	82	3021	713	0	0	16	729	0	3750
08:00 AM	0	136	580	0	17	733	153	0	0	1	154	0	887
08:15 AM	0	110	518	0	11	639	162	0	0	1	163	0	802
Grand Total	0	846	4545	0	124	5515	1247	0	0	24	1271	0	6786
Apprch %		15.3	82.4	0	2.2		98.1	0	0	1.9			
Total %	0	12.5	67	0	1.8	81.3	18.4	0	0	0.4	18.7	0	

	Southbound	Beretania Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	0	81	585	0	18	684	**195**	0	0	4	**199**	0	883
07:30 AM	0	116	663	0	**25**	804	188	0	0	**6**	194	0	998
07:45 AM	0	128	**702**	0	20	**850**	151	0	0	2	153	0	**1003**
08:00 AM	0	**136**	580	0	17	733	153	0	0	1	154	0	887
Total Volume	0	461	2530	0	80	3071	687	0	0	13	700	0	3771
% App. Total		15	82.4	0	2.6		98.1	0	0	1.9			
PHF	.000	.847	.901	.000	.800	.903	.881	.000	.000	.542	.879	.000	.940

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5672
Counted:ME, MB
Weather:

File Name : BerKal MIDDAY
Site Code : 00000031
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	136	348	0	24	508	114	0	0	9	123	0	631
11:15 AM	0	113	330	0	12	455	129	0	0	3	132	0	587
11:30 AM	0	133	328	0	28	489	133	0	0	3	136	0	625
11:45 AM	0	131	296	0	21	448	131	0	0	2	133	0	581
Total	0	513	1302	0	85	1900	507	0	0	17	524	0	2424
12:00 PM	0	138	331	0	27	496	138	0	0	6	144	0	640
12:15 PM	0	127	338	0	21	486	126	0	0	11	137	0	623
12:30 PM	0	135	358	0	27	520	109	0	0	2	111	0	631
12:45 PM	0	113	350	0	19	482	154	0	0	9	163	0	645
Total	0	513	1377	0	94	1984	527	0	0	28	555	0	2539
Grand Total	0	1026	2679	0	179	3884	1034	0	0	45	1079	0	4963
Apprch %		26.4	69	0	4.6		95.8	0	0	4.2			
Total %	0	20.7	54	0	3.6	78.3	20.8	0	0	0.9	21.7	0	

	Southbound	Beretania Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 12:00 PM													
12:00 PM	0	**138**	331	0	**27**	496	138	0	0	6	144	0	640
12:15 PM	0	127	338	0	21	486	126	0	0	**11**	137	0	623
12:30 PM	0	135	**358**	0	27	**520**	109	0	0	2	111	0	631
12:45 PM	0	113	350	0	19	482	**154**	0	0	9	**163**	0	**645**
Total Volume	0	513	1377	0	94	1984	527	0	0	28	555	0	2539
% App. Total		25.9	69.4	0	4.7		95	0	0	5			
PHF	.000	.929	.962	.000	.870	.954	.856	.000	.000	.636	.851	.000	.984

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

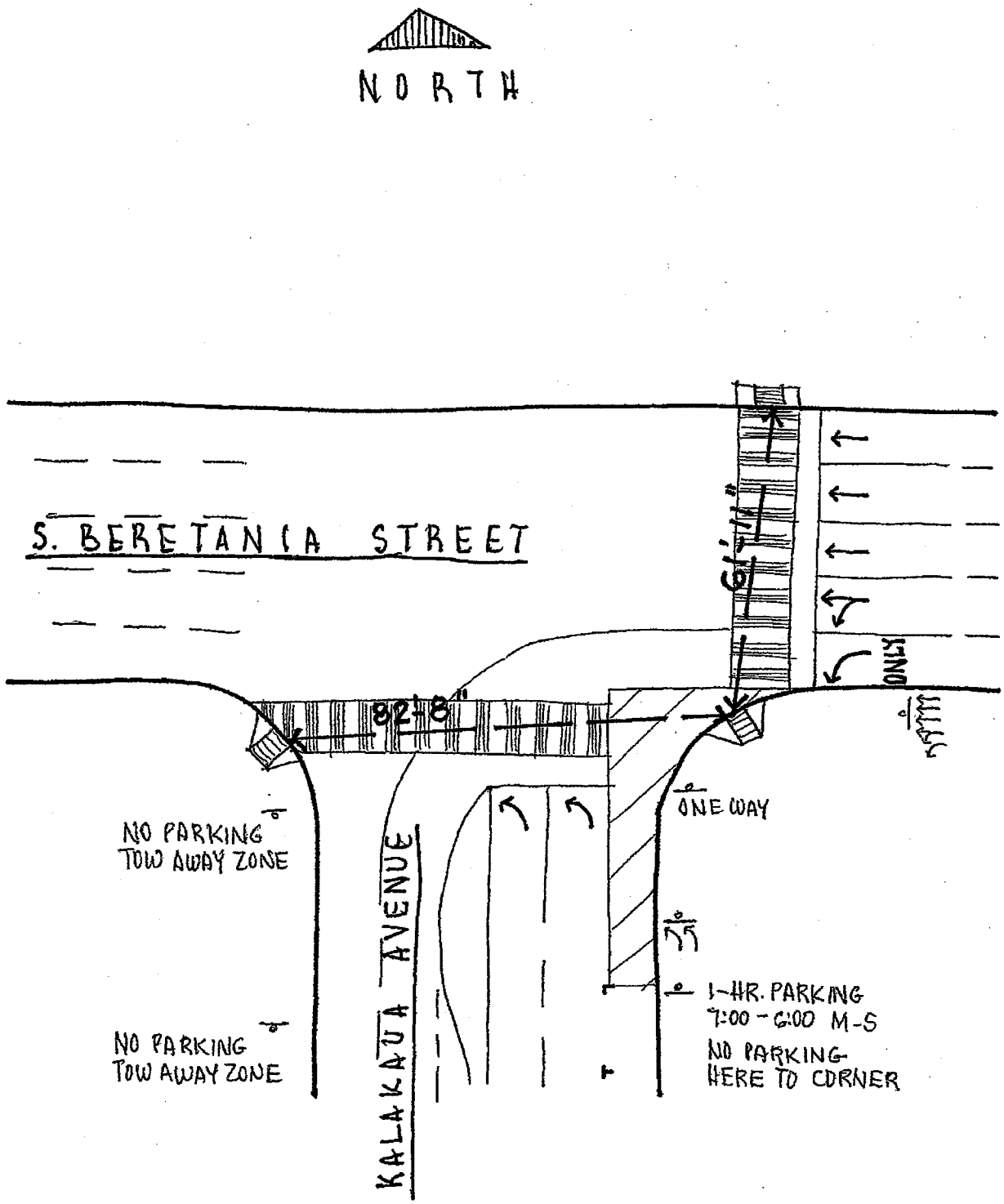
Counter:D4-5672, D4-5677
Counted:MB, ME
Weather:Clear

File Name : BerKal PM
Site Code : 00000031
Start Date : 4/22/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Beretania Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	0	109	383	40	21	553	203	0	0	5	208	0	761
04:15 PM	0	110	385	0	10	505	202	0	0	9	211	0	716
04:30 PM	0	102	393	0	12	507	207	0	0	6	213	0	720
04:45 PM	0	106	376	0	23	505	187	0	0	13	200	0	705
Total	0	427	1537	40	66	2070	799	0	0	33	832	0	2902
05:00 PM	0	87	319	0	26	432	140	0	0	11	151	0	583
05:15 PM	0	84	316	0	25	425	196	0	0	5	201	0	626
05:30 PM	0	90	277	28	26	421	183	0	0	6	189	0	610
05:45 PM	0	106	329	0	19	454	151	0	0	8	159	0	613
Total	0	367	1241	28	96	1732	670	0	0	30	700	0	2432
Grand Total	0	794	2778	68	162	3802	1469	0	0	63	1532	0	5334
Apprch %		20.9	73.1	1.8	4.3		95.9	0	0	4.1			
Total %	0	14.9	52.1	1.3	3	71.3	27.5	0	0	1.2	28.7	0	

	Southbound	Beretania Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:00 PM													
04:00 PM	0	109	383	**40**	21	**553**	203	0	0	5	208	0	**761**
04:15 PM	0	**110**	385	0	10	505	202	0	0	9	211	0	716
04:30 PM	0	102	**393**	0	12	507	**207**	0	0	6	**213**	0	720
04:45 PM	0	106	376	0	**23**	505	187	0	0	**13**	200	0	705
Total Volume	0	427	1537	40	66	2070	799	0	0	33	832	0	2902
% App. Total		20.6	74.3	1.9	3.2		96	0	0	4			
PHF	.000	.970	.978	.250	.717	.936	.965	.000	.000	.635	.977	.000	.953


NORTH
S. BERETANIA STREET
61'-11"
82'-8"
ONLY
ONE WAY
NO PARKING
TOW AWAY ZONE
NO PARKING
TOW AWAY ZONE
KALAKAUA AVENUE
1-HR. PARKING
7:00 - 6:00 M-S
NO PARKING
HERE TO CORNER

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5674
Counted:ER, TO
Weather:Clear

File Name : BerPun AM
Site Code : 00000032
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Beretania Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
06:30 AM	0	139	154	39	332	12	1095	96	48	1251	19	296	0	1	316	0	1899
06:45 AM	0	126	166	50	342	33	1266	132	90	1521	62	443	0	3	508	0	2371
Total	0	265	320	89	674	45	2361	228	138	2772	81	739	0	4	824	0	4270
07:00 AM	0	132	152	21	305	45	1368	195	105	1713	75	292	0	7	374	0	2392
07:15 AM	0	137	152	22	311	51	1509	183	138	1881	112	351	0	3	466	0	2658
07:30 AM	0	172	207	31	410	75	1560	153	99	1887	139	370	0	5	514	0	2811
07:45 AM	0	197	224	35	456	105	1581	183	60	1929	120	416	0	10	546	0	2931
Total	0	638	735	109	1482	276	6018	714	402	7410	446	1429	0	25	1900	0	10792
08:00 AM	0	176	220	27	423	60	1494	147	78	1779	107	438	0	7	552	0	2754
08:15 AM	0	0	0	0	0	54	1350	114	36	1554	48	234	0	0	282	0	1836
Grand Total	0	1079	1275	225	2579	435	11223	1203	654	13515	682	2840	0	36	3558	0	19652
Apprch %	0	41.8	49.4	8.7		3.2	83	8.9	4.8		19.2	79.8	0	1			
Total %	0	5.5	6.5	1.1	13.1	2.2	57.1	6.1	3.3	68.8	3.5	14.5	0	0.2	18.1	0	

	Punahou Street Southbound					Beretania Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:00 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	137	152	22	311	51	1509	**183**	**138**	1881	112	351	0	3	466	0	2658
07:30 AM	0	172	207	31	410	75	1560	153	99	1887	**139**	370	0	5	514	0	2811
07:45 AM	0	**197**	**224**	**35**	**456**	**105**	**1581**	183	60	**1929**	120	416	0	**10**	546	0	**2931**
08:00 AM	0	176	220	27	423	60	1494	147	78	1779	107	**438**	0	7	**552**	0	2754
Total Volume	0	682	803	115	1600	291	6144	666	375	7476	478	1575	0	25	2078	0	11154
% App. Total	0	42.6	50.2	7.2		3.9	82.2	8.9	5		23	75.8	0	1.2			
PHF	.000	.865	.896	.821	.877	.693	.972	.910	.679	.969	.860	.899	.000	.625	.941	.000	.951

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5674
Counted:ER, LE
Weather:Clear

File Name : BerPun MIDDAY
Site Code : 00000032
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Beretania Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	174	218	10	402	20	240	42	10	312	11	69	0	7	87	0	801
11:15 AM	0	179	202	20	401	18	226	56	11	311	14	116	0	9	139	0	851
11:30 AM	0	181	215	19	415	21	250	37	37	345	20	102	0	8	130	0	890
11:45 AM	0	179	202	16	397	15	254	45	18	332	24	97	0	6	127	0	856
Total	0	713	837	65	1615	74	970	180	76	1300	69	384	0	30	483	0	3398
12:00 PM	0	150	187	10	347	15	240	52	17	324	24	114	0	6	144	0	815
12:15 PM	0	161	210	20	391	13	252	42	32	339	30	130	0	10	170	0	900
12:30 PM	0	175	196	14	385	21	272	42	11	346	23	101	0	8	132	0	863
12:45 PM	0	154	171	8	333	30	234	43	14	321	23	105	0	9	137	0	791
Total	0	640	764	52	1456	79	998	179	74	1330	100	450	0	33	583	0	3369
Grand Total	0	1353	1601	117	3071	153	1968	359	150	2630	169	834	0	63	1066	0	6767
Apprch %	0	44.1	52.1	3.8		5.8	74.8	13.7	5.7		15.9	78.2	0	5.9			
Total %	0	20	23.7	1.7	45.4	2.3	29.1	5.3	2.2	38.9	2.5	12.3	0	0.9	15.8	0	

	Punahou Street Southbound					Beretania Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	0	**181**	**215**	19	**415**	**21**	250	37	**37**	**345**	20	102	0	8	130	0	890
11:45 AM	0	179	202	16	397	15	**254**	45	18	332	24	97	0	6	127	0	856
12:00 PM	0	150	187	10	347	15	240	**52**	17	324	24	114	0	6	144	0	815
12:15 PM	0	161	210	**20**	391	13	252	42	32	339	**30**	**130**	0	**10**	**170**	0	**900**
Total Volume	0	671	814	65	1550	64	996	176	104	1340	98	443	0	30	571	0	3461
% App. Total	0	43.3	52.5	4.2		4.8	74.3	13.1	7.8		17.2	77.6	0	5.3			
PHF	.000	.927	.947	.813	.934	.762	.980	.846	.703	.971	.817	.852	.000	.750	.840	.000	.961

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

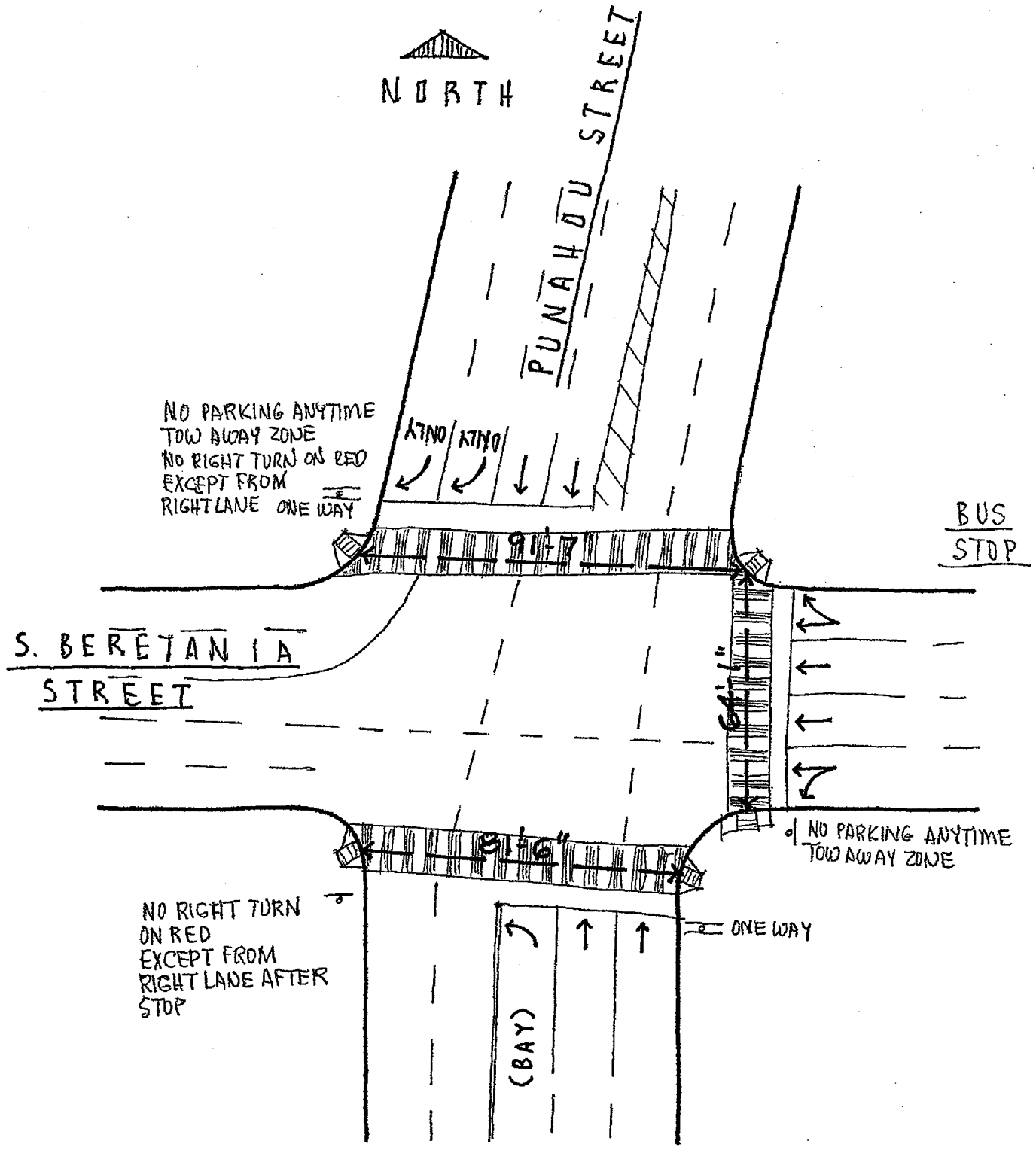
Counter:T-1839, D4-5674
Counted:ER, LE
Weather:Clear

File Name : BerPun PM
Site Code : 00000032
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Beretania Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	0	147	144	34	325	20	320	49	24	413	30	176	0	11	217	0	955
04:15 PM	0	135	138	21	294	14	307	38	23	382	55	167	0	10	232	0	908
04:30 PM	0	146	150	59	355	23	290	63	18	394	51	204	0	7	262	0	1011
04:45 PM	0	145	132	30	307	24	289	54	15	382	68	188	0	6	262	0	951
Total	0	573	564	144	1281	81	1206	204	80	1571	204	735	0	34	973	0	3825
05:00 PM	0	132	131	30	293	18	292	43	19	372	58	204	0	13	275	0	940
05:15 PM	0	134	154	28	316	15	257	41	18	331	42	187	0	10	239	0	886
05:30 PM	0	114	129	17	260	13	262	45	18	338	48	175	0	8	231	0	829
05:45 PM	0	142	131	18	291	13	218	37	26	294	49	161	0	5	215	0	800
Total	0	522	545	93	1160	59	1029	166	81	1335	197	727	0	36	960	0	3455
Grand Total	0	1095	1109	237	2441	140	2235	370	161	2906	401	1462	0	70	1933	0	7280
Apprch %	0	44.9	45.4	9.7		4.8	76.9	12.7	5.5		20.7	75.6	0	3.6			
Total %	0	15	15.2	3.3	33.5	1.9	30.7	5.1	2.2	39.9	5.5	20.1	0	1	26.6	0	

	Punahou Street Southbound					Beretania Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:00 PM					04:00 PM					04:30 PM					04:00 PM	
+0 mins.	0	**147**	144	34	325	20	**320**	49	**24**	**413**	51	**204**	0	7	262	0	
+15 mins.	0	135	138	21	294	14	307	38	23	382	**68**	188	0	6	262	0	
+30 mins.	0	146	**150**	**59**	**355**	23	290	**63**	18	394	58	204	0	**13**	**275**	0	
+45 mins.	0	145	132	30	307	**24**	289	54	15	382	42	187	0	10	239	0	
Total Volume	0	573	564	144	1281	81	1206	204	80	1571	219	783	0	36	1038	0	
% App. Total	0	44.7	44	11.2		5.2	76.8	13	5.1		21.1	75.4	0	3.5			
PHF	.000	.974	.940	.610	.902	.844	.942	.810	.833	.951	.805	.960	.000	.692	.944	.000	


NORTH
PUNAHOU STREET
NO PARKING ANYTIME
TOW AWAY ZONE
NO RIGHT TURN ON RED
EXCEPT FROM
RIGHT LANE ONE WAY
ONLY
ONLY
91'-7"
BUS
STOP
S. BERETANIA
STREET
64'-1"
91'-6"
NO PARKING ANYTIME
TOW AWAY ZONE
NO RIGHT TURN
ON RED
EXCEPT FROM
RIGHT LANE AFTER
STOP
ONE WAY
(BAY)

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-3890
Counted:ME, JH
Weather:Clear

File Name : BERALE AM
Site Code : 00000033
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Alexander Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	0	30	2	32	0	389	3	7	399	0	0	0	0	2	2	433
06:45 AM	0	0	35	5	40	0	454	11	7	472	0	0	0	0	8	8	520
Total	0	0	65	7	72	0	843	14	14	871	0	0	0	0	10	10	953
07:00 AM	0	0	36	2	38	0	516	13	10	539	0	0	0	0	4	4	581
07:15 AM	0	0	47	2	49	0	563	9	5	577	0	0	0	0	11	11	637
07:30 AM	0	0	60	5	65	0	620	9	10	639	0	0	0	0	18	18	722
07:45 AM	0	0	65	4	69	0	571	9	5	585	0	0	0	0	11	11	665
Total	0	0	208	13	221	0	2270	40	30	2340	0	0	0	0	44	44	2605
08:00 AM	0	0	34	3	37	0	533	10	5	548	0	0	0	0	2	2	587
08:15 AM	0	0	42	2	44	0	483	13	4	500	0	0	0	0	6	6	550
Grand Total	0	0	349	25	374	0	4129	77	53	4259	0	0	0	0	62	62	4695
Apprch %	0	0	93.3	6.7		0	96.9	1.8	1.2			0	0	0	100		
Total %	0	0	7.4	0.5	8	0	87.9	1.6	1.1	90.7	0	0	0	0	1.3	1.3	

	Alexander Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	0	47	2	49	0	563	9	5	577	0	0	0	0	11	11	637
07:30 AM	0	0	60	5	65	0	620	9	10	639	0	0	0	0	18	18	722
07:45 AM	0	0	65	4	69	0	571	9	5	585	0	0	0	0	11	11	665
08:00 AM	0	0	34	3	37	0	533	10	5	548	0	0	0	0	2	2	587
Total Volume	0	0	206	14	220	0	2287	37	25	2349	0	0	0	0	42	42	2611
% App. Total	0	0	93.6	6.4		0	97.4	1.6	1.1			0	0	0	100		
PHF	.000	.000	.792	.700	.797	.000	.922	.925	.625	.919	.000	.000	.000	.000	.583	.583	.904

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, D4-3890
Counted:ME, MB
Weather:Clear

File Name : BerAle MIDDAY
Site Code : 00000033
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Alexander Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	0	58	3	61	0	244	5	3	252	0	0	0	0	3	3	316
11:15 AM	0	0	66	1	67	0	263	6	3	272	0	0	0	0	4	4	343
11:30 AM	0	0	56	1	57	0	250	2	1	253	0	0	0	0	7	7	317
11:45 AM	0	0	52	2	54	0	259	2	0	261	0	0	0	0	5	5	320
Total	0	0	232	7	239	0	1016	15	7	1038	0	0	0	0	19	19	1296
12:00 PM	0	0	64	2	66	0	236	8	5	249	0	0	0	0	6	6	321
12:15 PM	0	0	51	1	52	0	286	11	2	299	0	0	0	0	2	2	353
12:30 PM	0	0	50	2	52	0	274	7	4	285	0	0	0	0	1	1	338
12:45 PM	0	0	54	5	59	0	259	3	2	264	0	0	0	0	6	6	329
Total	0	0	219	10	229	0	1055	29	13	1097	0	0	0	0	15	15	1341
Grand Total	0	0	451	17	468	0	2071	44	20	2135	0	0	0	0	34	34	2637
Apprch %	0	0	96.4	3.6		0	97	2.1	0.9			0	0	0	100		
Total %	0	0	17.1	0.6	17.7	0	78.5	1.7	0.8	81	0	0	0	0	1.3	1.3	

	Alexander Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:00 PM																	
12:00 PM	0	0	**64**	2	**66**	0	236	8	**5**	249	0	0	0	0	**6**	**6**	321
12:15 PM	0	0	51	1	52	0	**286**	**11**	2	**299**	0	0	0	0	2	2	**353**
12:30 PM	0	0	50	2	52	0	274	7	4	285	0	0	0	0	1	1	338
12:45 PM	0	0	54	**5**	59	0	259	3	2	264	0	0	0	0	6	6	329
Total Volume	0	0	219	10	229	0	1055	29	13	1097	0	0	0	0	15	15	1341
% App. Total	0	0	95.6	4.4		0	96.2	2.6	1.2			0	0	0	100		
PHF	.000	.000	.855	.500	.867	.000	.922	.659	.650	.917	.000	.000	.000	.000	.625	.625	.950

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

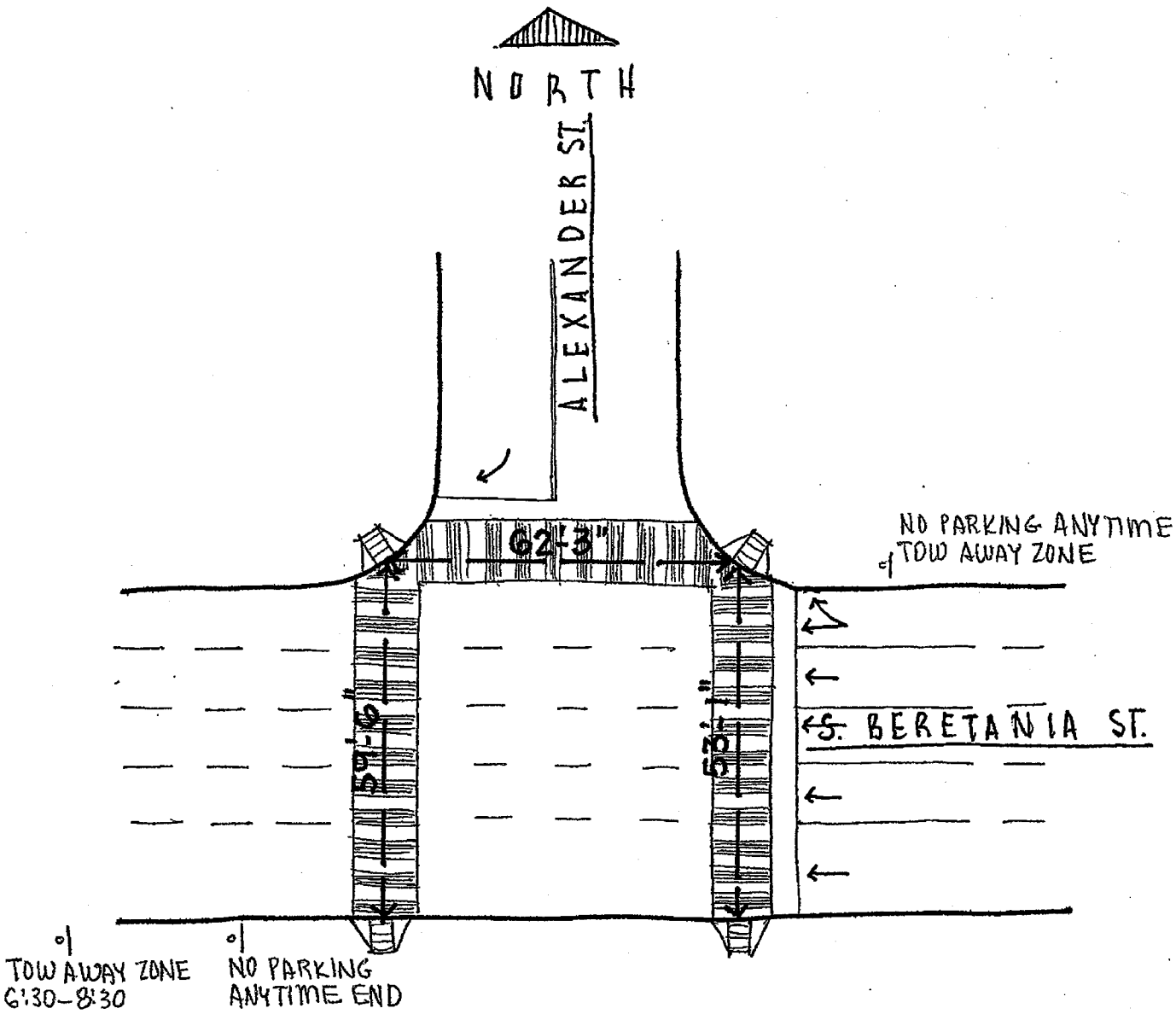
Counter:D4-5671, D4-3890
Counted:ME, MB
Weather:Clear

File Name : BerAle PM
Site Code : 00000033
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Alexander Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	0	58	6	64	0	308	7	9	324	0	0	0	0	13	13	401
04:15 PM	0	0	61	3	64	0	289	9	8	306	0	0	0	0	5	5	375
04:30 PM	0	0	61	2	63	0	327	14	5	346	0	0	0	0	13	13	422
04:45 PM	0	0	52	1	53	0	301	10	4	315	0	0	0	0	6	6	374
Total	0	0	232	12	244	0	1225	40	26	1291	0	0	0	0	37	37	1572
05:00 PM	0	0	42	6	48	0	286	18	6	310	0	0	0	0	11	11	369
05:15 PM	0	0	36	5	41	0	264	18	9	291	0	0	0	0	11	11	343
05:30 PM	0	0	28	3	31	0	290	15	2	307	0	0	0	0	7	7	345
05:45 PM	0	0	27	2	29	0	239	18	8	265	0	0	0	0	17	17	311
Total	0	0	133	16	149	0	1079	69	25	1173	0	0	0	0	46	46	1368
Grand Total	0	0	365	28	393	0	2304	109	51	2464	0	0	0	0	83	83	2940
Apprch %	0	0	92.9	7.1		0	93.5	4.4	2.1			0	0	0	100		
Total %	0	0	12.4	1	13.4	0	78.4	3.7	1.7	83.8	0	0	0	0	2.8	2.8	

	Alexander Street Southbound					Beretania Street Westbound					Northbound	Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	0	58	**6**	**64**	0	308	7	**9**	324	0	0	0	0	**13**	**13**	401
04:15 PM	0	0	**61**	3	64	0	289	9	8	306	0	0	0	0	5	5	375
04:30 PM	0	0	61	2	63	0	**327**	**14**	5	**346**	0	0	0	0	13	13	**422**
04:45 PM	0	0	52	1	53	0	301	10	4	315	0	0	0	0	6	6	374
Total Volume	0	0	232	12	244	0	1225	40	26	1291	0	0	0	0	37	37	1572
% App. Total	0	0	95.1	4.9		0	94.9	3.1	2			0	0	0	100		
PHF	.000	.000	.951	.500	.953	.000	.937	.714	.722	.933	.000	.000	.000	.000	.712	.712	.931


NORTH
ALEXANDER ST.
62'-3"
59'-6"
53'-1"
NO PARKING ANYTIME
TOW AWAY ZONE
S. BERETANIA ST.
TOW AWAY ZONE
6:30–8:30
NO PARKING
ANYTIME END

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-3889
Counted:JY, DY
Weather:Clear

File Name : BerMcC AM
Site Code : 00000034
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Beretania Street Westbound					McCully Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	58	20	0	78	42	349	19	4	414	13	131	0	3	147	0	0	0	0	0	639
06:45 AM	0	70	27	0	97	39	451	37	5	532	14	135	0	2	151	0	0	0	0	0	780
Total	0	128	47	0	175	81	800	56	9	946	27	266	0	5	298	0	0	0	0	0	1419
07:00 AM	0	101	39	0	140	44	424	40	9	517	24	139	0	2	165	0	0	0	0	0	822
07:15 AM	0	108	66	0	174	35	468	26	12	541	14	111	0	4	129	0	0	0	0	0	844
07:30 AM	0	138	63	0	201	24	493	21	5	543	29	118	0	4	151	0	0	0	0	0	895
07:45 AM	0	129	59	0	188	30	487	13	14	544	26	111	0	3	140	0	0	0	0	0	872
Total	0	476	227	0	703	133	1872	100	40	2145	93	479	0	13	585	0	0	0	0	0	3433
08:00 AM	0	95	41	0	136	52	454	25	14	545	30	154	0	5	189	0	0	0	0	0	870
08:15 AM	0	73	33	0	106	50	418	23	11	502	29	135	0	2	166	0	0	0	0	0	774
Grand Total	0	772	348	0	1120	316	3544	204	74	4138	179	1034	0	25	1238	0	0	0	0	0	6496
Apprch %	0	68.9	31.1	0		7.6	85.6	4.9	1.8		14.5	83.5	0	2		0	0	0	0		
Total %	0	11.9	5.4	0	17.2	4.9	54.6	3.1	1.1	63.7	2.8	15.9	0	0.4	19.1	0	0	0	0	0	

	McCully Street Southbound					Beretania Street Westbound					McCully Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	108	**66**	0	174	35	468	**26**	12	541	14	111	0	4	129	0	0	0	0	0	844
07:30 AM	0	**138**	63	0	**201**	24	**493**	21	5	543	29	118	0	4	151	0	0	0	0	0	**895**
07:45 AM	0	129	59	0	188	30	487	13	**14**	544	26	111	0	3	140	0	0	0	0	0	872
08:00 AM	0	95	41	0	136	**52**	454	25	14	**545**	**30**	**154**	0	**5**	**189**	0	0	0	0	0	870
Total Volume	0	470	229	0	699	141	1902	85	45	2173	99	494	0	16	609	0	0	0	0	0	3481
% App. Total	0	67.2	32.8	0		6.5	87.5	3.9	2.1		16.3	81.1	0	2.6		0	0	0	0		
PHF	.000	.851	.867	.000	.869	.678	.965	.817	.804	.997	.825	.802	.000	.800	.806	.000	.000	.000	.000	.000	.972

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-3889
Counted:JY, DY
Weather:Clear

File Name : BerMcC MIDDAY
Site Code : 00000034
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Beretania Street Westbound					McCully Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	68	21	0	89	63	203	25	9	300	35	184	0	7	226	0	0	0	0	0	615
11:15 AM	0	77	25	0	102	59	192	32	4	287	32	158	0	3	193	0	0	0	0	0	582
11:30 AM	0	77	18	0	95	71	222	28	7	328	42	155	0	4	201	0	0	0	0	0	624
11:45 AM	0	83	19	0	102	64	187	39	9	299	39	148	0	5	192	0	0	0	0	0	593
Total	0	305	83	0	388	257	804	124	29	1214	148	645	0	19	812	0	0	0	0	0	2414
12:00 PM	0	76	22	0	98	64	169	46	2	281	44	169	0	10	223	0	0	0	0	0	602
12:15 PM	0	85	25	0	110	53	222	44	5	324	45	143	0	6	194	0	0	0	0	0	628
12:30 PM	0	73	26	0	99	37	258	39	9	343	46	148	0	10	204	0	0	0	0	0	646
12:45 PM	0	85	45	0	130	51	223	36	5	315	41	163	0	8	212	0	0	0	0	0	657
Total	0	319	118	0	437	205	872	165	21	1263	176	623	0	34	833	0	0	0	0	0	2533
Grand Total	0	624	201	0	825	462	1676	289	50	2477	324	1268	0	53	1645	0	0	0	0	0	4947
Apprch %	0	75.6	24.4	0		18.7	67.7	11.7	2		19.7	77.1	0	3.2		0	0	0	0		
Total %	0	12.6	4.1	0	16.7	9.3	33.9	5.8	1	50.1	6.5	25.6	0	1.1	33.3	0	0	0	0	0	

	McCully Street Southbound					Beretania Street Westbound					McCully Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	83	19	0	102	**64**	187	39	**9**	299	39	148	0	5	192	0	0	0	0	0	593
12:00 PM	0	76	22	0	98	64	169	**46**	2	281	44	**169**	0	**10**	**223**	0	0	0	0	0	602
12:15 PM	0	**85**	25	0	**110**	53	222	44	5	324	45	143	0	6	194	0	0	0	0	0	628
12:30 PM	0	73	**26**	0	99	37	**258**	39	9	**343**	**46**	148	0	10	204	0	0	0	0	0	**646**
Total Volume	0	317	92	0	409	218	836	168	25	1247	174	608	0	31	813	0	0	0	0	0	2469
% App. Total	0	77.5	22.5	0		17.5	67	13.5	2		21.4	74.8	0	3.8		0	0	0	0		
PHF	.000	.932	.885	.000	.930	.852	.810	.913	.694	.909	.946	.899	.000	.775	.911	.000	.000	.000	.000	.000	.955

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

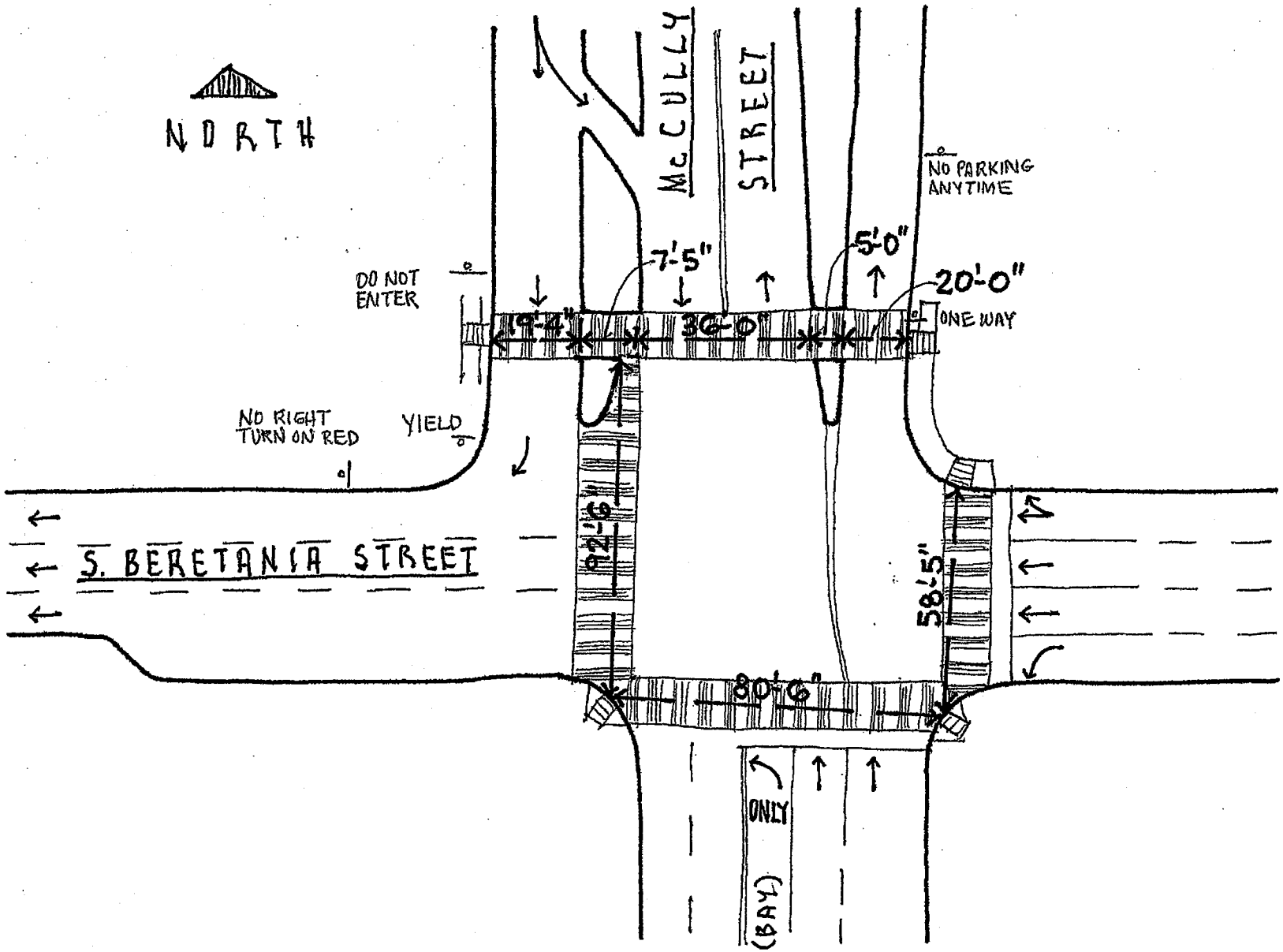
Counter:D4-5673, D4-3889
Counted:JY, DY
Weather:Clear

File Name : BerMcC PM
Site Code : 00000034
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Beretania Street Westbound					McCully Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	108	60	0	168	63	196	33	12	304	50	185	0	1	236	0	0	0	0	0	708
04:15 PM	0	100	52	0	152	40	198	26	10	274	54	186	0	9	249	0	0	0	0	0	675
04:30 PM	0	90	42	0	132	47	226	34	4	311	43	172	0	9	224	0	0	0	0	0	667
04:45 PM	0	87	28	0	115	57	249	33	11	350	43	177	0	8	228	0	0	0	0	0	693
Total	0	385	182	0	567	207	869	126	37	1239	190	720	0	27	937	0	0	0	0	0	2743
05:00 PM	0	86	32	0	118	40	239	38	15	332	46	186	0	4	236	0	0	0	0	0	686
05:15 PM	0	105	42	0	147	38	213	44	7	302	30	199	0	4	233	0	0	0	0	0	682
05:30 PM	0	95	26	0	121	46	202	22	10	280	41	153	0	8	202	0	0	0	0	0	603
05:45 PM	0	77	21	0	98	47	195	19	6	267	36	179	0	9	224	0	0	0	0	0	589
Total	0	363	121	0	484	171	849	123	38	1181	153	717	0	25	895	0	0	0	0	0	2560
Grand Total	0	748	303	0	1051	378	1718	249	75	2420	343	1437	0	52	1832	0	0	0	0	0	5303
Apprch %	0	71.2	28.8	0		15.6	71	10.3	3.1		18.7	78.4	0	2.8		0	0	0	0		
Total %	0	14.1	5.7	0	19.8	7.1	32.4	4.7	1.4	45.6	6.5	27.1	0	1	34.5	0	0	0	0	0	

	McCully Street Southbound					Beretania Street Westbound					McCully Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	**108**	**60**	0	**168**	**63**	196	33	**12**	304	50	185	0	1	236	0	0	0	0	0	**708**
04:15 PM	0	100	52	0	152	40	198	26	10	274	**54**	**186**	0	**9**	**249**	0	0	0	0	0	675
04:30 PM	0	90	42	0	132	47	226	**34**	4	311	43	172	0	9	224	0	0	0	0	0	667
04:45 PM	0	87	28	0	115	57	**249**	33	11	**350**	43	177	0	8	228	0	0	0	0	0	693
Total Volume	0	385	182	0	567	207	869	126	37	1239	190	720	0	27	937	0	0	0	0	0	2743
% App. Total	0	67.9	32.1	0		16.7	70.1	10.2	3		20.3	76.8	0	2.9		0	0	0	0		
PHF	.000	.891	.758	.000	.844	.821	.872	.926	.771	.885	.880	.968	.000	.750	.941	.000	.000	.000	.000	.000	.969


NORTH
McCULLY STREET
NO PARKING ANYTIME
DO NOT ENTER
7'-5"
5'-0"
20'-0"
19'-4"
36'-0"
ONE WAY
NO RIGHT TURN ON RED
YIELD
S. BERETANIA STREET
82'-6"
58'-5"
80'-6"
ONLY
(BAY)

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-5676
Counted:JM, VT
Weather:Clear

File Name : Berlse AM
Site Code : 00000035
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Isenberg Street Southbound					Beretania Street Westbound					Isenberg Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	90	2	3	95	25	352	0	2	379	19	0	0	1	20	0	0	0	0	0	494
06:45 AM	0	112	3	2	117	18	365	5	0	388	30	3	0	0	33	0	0	0	1	1	539
Total	0	202	5	5	212	43	717	5	2	767	49	3	0	1	53	0	0	0	1	1	1033
07:00 AM	0	103	2	1	106	21	369	1	0	391	46	3	0	3	52	0	0	0	1	1	550
07:15 AM	0	86	7	4	97	26	407	1	1	435	57	2	0	3	62	0	0	0	0	0	594
07:30 AM	0	61	4	1	66	33	369	2	1	405	56	2	0	2	60	0	0	0	4	4	535
07:45 AM	0	78	15	3	96	21	349	1	0	371	56	6	0	3	65	0	0	0	2	2	534
Total	0	328	28	9	365	101	1494	5	2	1602	215	13	0	11	239	0	0	0	7	7	2213
08:00 AM	0	59	11	2	72	24	418	3	0	445	39	5	0	3	47	0	0	0	1	1	565
08:15 AM	0	51	8	2	61	44	375	3	0	422	40	5	0	3	48	0	0	0	4	4	535
Grand Total	0	640	52	18	710	212	3004	16	4	3236	343	26	0	18	387	0	0	0	13	13	4346
Apprch %	0	90.1	7.3	2.5		6.6	92.8	0.5	0.1		88.6	6.7	0	4.7		0	0	0	100		
Total %	0	14.7	1.2	0.4	16.3	4.9	69.1	0.4	0.1	74.5	7.9	0.6	0	0.4	8.9	0	0	0	0.3	0.3	

	Isenberg Street Southbound					Beretania Street Westbound					Isenberg Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	**86**	7	4	**97**	26	407	1	**1**	435	**57**	2	0	**3**	62	0	0	0	0	0	**594**
07:30 AM	0	61	4	1	66	**33**	369	2	1	405	56	2	0	2	60	0	0	0	**4**	**4**	535
07:45 AM	0	78	**15**	3	96	21	349	1	0	371	56	**6**	0	3	**65**	0	0	0	2	2	534
08:00 AM	0	59	11	2	72	24	**418**	**3**	0	**445**	39	5	0	3	47	0	0	0	1	1	565
Total Volume	0	284	37	10	331	104	1543	7	2	1656	208	15	0	11	234	0	0	0	7	7	2228
% App. Total	0	85.8	11.2	3		6.3	93.2	0.4	0.1		88.9	6.4	0	4.7		0	0	0	100		
PHF	.000	.826	.617	.625	.853	.788	.923	.583	.500	.930	.912	.625	.000	.917	.900	.000	.000	.000	.438	.438	.938

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, HI 96826

Counter:D4-5676, D4-5675
Counted:JM, SW
Weather:Clear

File Name : Berlse MIDDAY
Site Code : 00000035
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Isenberg Street Southbound					Beretania Street Westbound					Isenberg Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	62	3	1	66	56	170	21	13	260	32	4	0	4	40	0	0	0	2	2	368
11:15 AM	0	61	8	0	69	52	195	3	2	252	24	6	0	0	30	0	0	0	0	0	351
11:30 AM	0	55	6	0	61	48	173	4	0	225	18	8	0	1	27	0	0	0	1	1	314
11:45 AM	0	57	12	2	71	54	186	4	1	245	38	10	0	0	48	0	0	0	1	1	365
Total	0	235	29	3	267	210	724	32	16	982	112	28	0	5	145	0	0	0	4	4	1398
12:00 PM	0	74	4	1	79	44	180	17	5	246	28	8	0	4	40	0	0	0	0	0	365
12:15 PM	0	53	4	0	57	83	224	3	5	315	34	16	0	1	51	0	0	0	1	1	424
12:30 PM	0	53	2	3	58	69	221	5	3	298	31	10	0	3	44	0	0	0	2	2	402
12:45 PM	0	73	6	1	80	48	175	2	2	227	22	12	0	0	34	0	0	0	2	2	343
Total	0	253	16	5	274	244	800	27	15	1086	115	46	0	8	169	0	0	0	5	5	1534
Grand Total	0	488	45	8	541	454	1524	59	31	2068	227	74	0	13	314	0	0	0	9	9	2932
Apprch %	0	90.2	8.3	1.5		22	73.7	2.9	1.5		72.3	23.6	0	4.1		0	0	0	100		
Total %	0	16.6	1.5	0.3	18.5	15.5	52	2	1.1	70.5	7.7	2.5	0	0.4	10.7	0	0	0	0.3	0.3	

	Isenberg Street Southbound					Beretania Street Westbound					Isenberg Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	57	**12**	2	71	54	186	4	1	245	**38**	10	0	0	48	0	0	0	1	1	365
12:00 PM	0	**74**	4	1	**79**	44	180	**17**	**5**	246	28	8	0	**4**	40	0	0	0	0	0	365
12:15 PM	0	53	4	0	57	**83**	**224**	3	5	**315**	34	**16**	0	1	**51**	0	0	0	1	1	**424**
12:30 PM	0	53	2	**3**	58	69	221	5	3	298	31	10	0	3	44	0	0	0	**2**	**2**	402
Total Volume	0	237	22	6	265	250	811	29	14	1104	131	44	0	8	183	0	0	0	4	4	1556
% App. Total	0	89.4	8.3	2.3		22.6	73.5	2.6	1.3		71.6	24	0	4.4		0	0	0	100		
PHF	.000	.801	.458	.500	.839	.753	.905	.426	.700	.876	.862	.688	.000	.500	.897	.000	.000	.000	.500	.500	.917

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

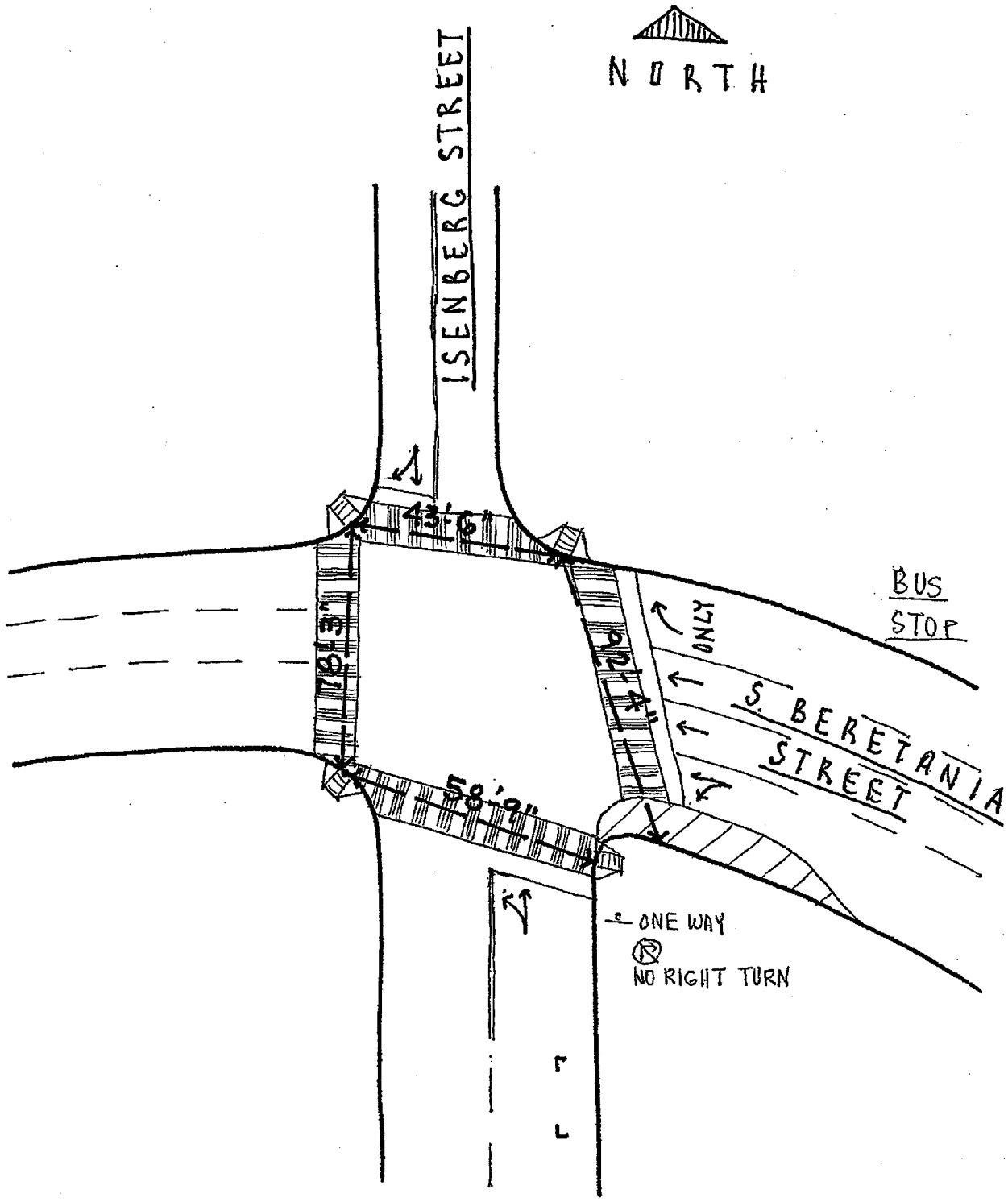
Counter:D4-5676
Counted:AF
Weather:Clear

File Name : Berlse PM
Site Code : 00000035
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Isenberg Street Southbound					Beretania Street Westbound					Isenberg Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	114	8	1	123	41	200	11	5	257	46	12	0	6	64	0	0	0	2	2	446
04:15 PM	0	92	4	3	99	72	191	11	5	279	33	11	0	2	46	0	0	0	1	1	425
04:30 PM	0	89	5	2	96	49	228	5	4	286	37	8	0	6	51	0	0	0	4	4	437
04:45 PM	0	97	6	2	105	76	217	4	2	299	33	16	0	1	50	0	0	0	4	4	458
Total	0	392	23	8	423	238	836	31	16	1121	149	47	0	15	211	0	0	0	11	11	1766
05:00 PM	0	94	4	3	101	60	206	2	2	270	22	8	0	3	33	0	0	0	2	2	406
05:15 PM	0	87	6	2	95	60	212	5	2	279	37	14	0	2	53	0	0	0	1	1	428
05:30 PM	0	88	6	2	96	75	215	3	4	297	24	17	0	3	44	0	0	0	1	1	438
05:45 PM	0	99	7	2	108	53	167	4	5	229	29	9	0	2	40	0	0	0	1	1	378
Total	0	368	23	9	400	248	800	14	13	1075	112	48	0	10	170	0	0	0	5	5	1650
Grand Total	0	760	46	17	823	486	1636	45	29	2196	261	95	0	25	381	0	0	0	16	16	3416
Apprch %	0	92.3	5.6	2.1		22.1	74.5	2	1.3		68.5	24.9	0	6.6		0	0	0	100		
Total %	0	22.2	1.3	0.5	24.1	14.2	47.9	1.3	0.8	64.3	7.6	2.8	0	0.7	11.2	0	0	0	0.5	0.5	

	Isenberg Street Southbound					Beretania Street Westbound					Isenberg Street Northbound					Beretania Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	114	8	1	123	41	200	11	5	257	46	12	0	6	64	0	0	0	2	2	446
04:15 PM	0	92	4	3	99	72	191	11	5	279	33	11	0	2	46	0	0	0	1	1	425
04:30 PM	0	89	5	2	96	49	228	5	4	286	37	8	0	6	51	0	0	0	4	4	437
04:45 PM	0	97	6	2	105	76	217	4	2	299	33	16	0	1	50	0	0	0	4	4	458
Total Volume	0	392	23	8	423	238	836	31	16	1121	149	47	0	15	211	0	0	0	11	11	1766
% App. Total	0	92.7	5.4	1.9		21.2	74.6	2.8	1.4		70.6	22.3	0	7.1		0	0	0	100		
PHF	.000	.860	.719	.667	.860	.783	.917	.705	.800	.937	.810	.734	.000	.625	.824	.000	.000	.000	.688	.688	.964


NORTH
ISENBERG STREET
43'-6"
18'-0"
22'-4"
58'-0"
BUS STOP
ONLY
S. BERETANIA STREET
ONE WAY
NO RIGHT TURN

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5672
Counted:ZW, DN
Weather:Clear

File Name : KinWar AM
Site Code : 00000036
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					Kinau Street Westbound					Ward Avenue Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	23	135	0	6	164	0	0	0	15	15	0	39	8	8	55	23	278	121	7	429	663
06:45 AM	35	157	0	9	201	0	0	0	17	17	0	54	3	11	68	41	265	88	13	407	693
Total	58	292	0	15	365	0	0	0	32	32	0	93	11	19	123	64	543	209	20	836	1356
07:00 AM	45	178	0	9	232	0	0	0	18	18	0	72	5	3	80	41	289	103	15	448	778
07:15 AM	38	223	0	9	270	0	0	0	17	17	0	79	3	5	87	43	282	82	18	425	799
07:30 AM	56	247	0	10	313	0	0	0	27	27	0	96	3	11	110	49	283	73	15	420	870
07:45 AM	63	246	0	10	319	0	0	0	19	19	0	87	8	6	101	46	308	95	21	470	909
Total	202	894	0	38	1134	0	0	0	81	81	0	334	19	25	378	179	1162	353	69	1763	3356
08:00 AM	40	235	0	10	285	0	0	0	21	21	0	99	8	3	110	37	300	87	14	438	854
08:15 AM	39	179	0	5	223	0	0	0	15	15	0	76	7	0	83	39	299	104	11	453	774
Grand Total	339	1600	0	68	2007	0	0	0	149	149	0	602	45	47	694	319	2304	753	114	3490	6340
Apprch %	16.9	79.7	0	3.4		0	0	0	100		0	86.7	6.5	6.8		9.1	66	21.6	3.3		
Total %	5.3	25.2	0	1.1	31.7	0	0	0	2.4	2.4	0	9.5	0.7	0.7	10.9	5	36.3	11.9	1.8	55	

	Ward Avenue Southbound					Kinau Street Westbound					Ward Avenue Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	38	223	0	9	270	0	0	0	17	17	0	79	3	5	87	43	282	82	18	425	799
07:30 AM	56	**247**	0	**10**	313	0	0	0	**27**	**27**	0	96	3	11	**110**	**49**	283	73	15	420	870
07:45 AM	**63**	246	0	10	**319**	0	0	0	19	19	0	87	**8**	6	101	46	**308**	**95**	**21**	**470**	**909**
08:00 AM	40	235	0	10	285	0	0	0	21	21	0	**99**	8	3	110	37	300	87	14	438	854
Total Volume	197	951	0	39	1187	0	0	0	84	84	0	361	22	25	408	175	1173	337	68	1753	3432
% App. Total	16.6	80.1	0	3.3		0	0	0	100		0	88.5	5.4	6.1		10	66.9	19.2	3.9		
PHF	.782	.963	.000	.975	.930	.000	.000	.000	.778	.778	.000	.912	.688	.568	.927	.893	.952	.887	.810	.932	.944

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5672
Counted:ZW, DN
Weather:Clear

File Name : KinWar MIDDAY
Site Code : 00000036
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					Kinau Street Westbound					Ward Avenue Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	25	98	0	6	129	0	0	0	6	6	0	163	12	9	184	52	324	147	2	525	844
11:15 AM	20	100	0	2	122	0	0	0	8	8	0	155	12	7	174	32	316	139	5	492	796
11:30 AM	22	100	0	0	122	0	0	0	5	5	0	207	9	3	219	50	312	120	4	486	832
11:45 AM	29	82	0	3	114	0	0	0	7	7	0	196	10	6	212	60	289	113	5	467	800
Total	96	380	0	11	487	0	0	0	26	26	0	721	43	25	789	194	1241	519	16	1970	3272
12:00 PM	18	88	0	1	107	0	0	0	9	9	0	200	9	7	216	70	292	144	11	517	849
12:15 PM	28	114	0	1	143	0	0	0	3	3	0	208	13	9	230	45	278	114	18	455	831
12:30 PM	32	94	0	3	129	0	0	0	5	5	0	212	10	8	230	49	285	128	3	465	829
12:45 PM	27	76	0	3	106	0	0	0	8	8	0	198	19	3	220	40	295	116	6	457	791
Total	105	372	0	8	485	0	0	0	25	25	0	818	51	27	896	204	1150	502	38	1894	3300
Grand Total	201	752	0	19	972	0	0	0	51	51	0	1539	94	52	1685	398	2391	1021	54	3864	6572
Apprch %	20.7	77.4	0	2		0	0	0	100		0	91.3	5.6	3.1		10.3	61.9	26.4	1.4		
Total %	3.1	11.4	0	0.3	14.8	0	0	0	0.8	0.8	0	23.4	1.4	0.8	25.6	6.1	36.4	15.5	0.8	58.8	

	Ward Avenue Southbound					Kinau Street Westbound					Ward Avenue Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	22	100	0	0	122	0	0	0	5	5	0	207	9	3	219	50	**312**	120	4	486	832
11:45 AM	**29**	82	0	**3**	114	0	0	0	7	7	0	196	10	6	212	60	289	113	5	467	800
12:00 PM	18	88	0	1	107	0	0	0	**9**	**9**	0	200	9	7	216	**70**	292	**144**	11	**517**	**849**
12:15 PM	28	**114**	0	1	**143**	0	0	0	3	3	0	**208**	**13**	**9**	**230**	45	278	114	**18**	455	831
Total Volume	97	384	0	5	486	0	0	0	24	24	0	811	41	25	877	225	1171	491	38	1925	3312
% App. Total	20	79	0	1		0	0	0	100		0	92.5	4.7	2.9		11.7	60.8	25.5	2		
PHF	.836	.842	.000	.417	.850	.000	.000	.000	.667	.667	.000	.975	.788	.694	.953	.804	.938	.852	.528	.931	.975

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5672
Counted:ZW, KK
Weather:Clear

File Name : KinWar PM
Site Code : 00000036
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					Kinau Street Westbound					Ward Avenue Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	35	89	0	5	129	0	0	0	26	26	0	219	2	12	233	85	238	50	13	386	774
04:15 PM	28	89	0	3	120	0	0	0	11	11	0	233	7	4	244	89	253	48	7	397	772
04:30 PM	36	86	0	2	124	0	0	0	23	23	0	227	6	4	237	103	267	51	14	435	819
04:45 PM	25	82	0	5	112	0	0	0	15	15	0	213	7	4	224	110	289	57	14	470	821
Total	124	346	0	15	485	0	0	0	75	75	0	892	22	24	938	387	1047	206	48	1688	3186
05:00 PM	28	75	0	7	110	0	0	0	15	15	0	260	4	1	265	99	278	72	17	466	856
05:15 PM	22	94	0	4	120	0	0	0	14	14	0	223	6	5	234	104	247	75	7	433	801
05:30 PM	31	85	0	4	120	0	0	0	10	10	0	226	6	11	243	70	247	73	10	400	773
05:45 PM	24	103	0	5	132	0	0	0	9	9	0	194	2	2	198	68	220	74	6	368	707
Total	105	357	0	20	482	0	0	0	48	48	0	903	18	19	940	341	992	294	40	1667	3137
Grand Total	229	703	0	35	967	0	0	0	123	123	0	1795	40	43	1878	728	2039	500	88	3355	6323
Apprch %	23.7	72.7	0	3.6		0	0	0	100		0	95.6	2.1	2.3		21.7	60.8	14.9	2.6		
Total %	3.6	11.1	0	0.6	15.3	0	0	0	1.9	1.9	0	28.4	0.6	0.7	29.7	11.5	32.2	7.9	1.4	53.1	

	Ward Avenue Southbound					Kinau Street Westbound					Ward Avenue Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	**36**	86	0	2	**124**	0	0	0	**23**	**23**	0	227	6	4	237	103	267	51	14	435	819
04:45 PM	25	82	0	5	112	0	0	0	15	15	0	213	**7**	4	224	**110**	**289**	57	14	**470**	821
05:00 PM	28	75	0	**7**	110	0	0	0	15	15	0	**260**	4	**1**	**265**	99	278	72	**17**	466	**856**
05:15 PM	22	**94**	0	4	120	0	0	0	14	14	0	223	6	**5**	234	104	247	**75**	7	433	801
Total Volume	111	337	0	18	466	0	0	0	67	67	0	923	23	14	960	416	1081	255	52	1804	3297
% App. Total	23.8	72.3	0	3.9		0	0	0	100		0	96.1	2.4	1.5		23.1	59.9	14.1	2.9		
PHF	.771	.896	.000	.643	.940	.000	.000	.000	.728	.728	.000	.888	.821	.700	.906	.945	.935	.850	.765	.960	.963

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

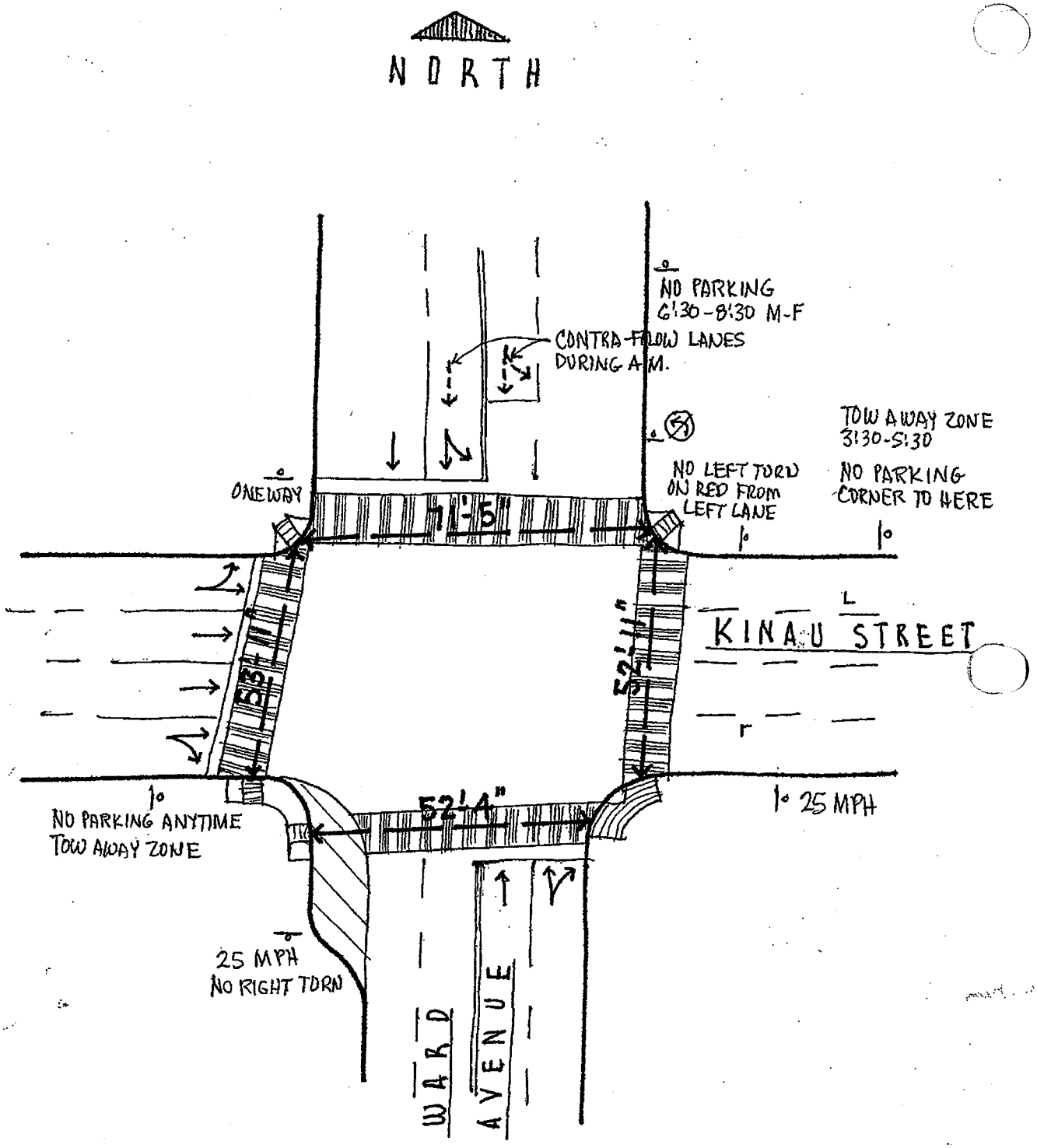
Counter:
Counted:
Weather:

File Name : KinWar MIDDAY
Site Code : 00000036
Start Date : 6/14/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					Kinau Street Westbound					Ward Avenue Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	40	131	0	6	177	0	0	0	0	0	0	173	8	6	187	36	359	128	7	530	894
11:15 AM	38	112	0	5	155	0	0	0	7	7	0	168	13	1	182	44	325	137	8	514	858
11:30 AM	41	98	0	5	144	0	0	0	8	8	0	188	13	0	201	35	339	150	4	528	881
11:45 AM	36	117	0	4	157	0	0	0	3	3	0	183	10	10	203	38	325	131	8	502	865
Total	155	458	0	20	633	0	0	0	18	18	0	712	44	17	773	153	1348	546	27	2074	3498
12:00 PM	40	101	0	3	144	0	0	0	14	14	0	182	5	0	187	52	318	133	9	512	857
12:15 PM	34	119	0	4	157	0	0	0	9	9	0	191	12	1	204	52	345	151	14	562	932
12:30 PM	29	90	0	3	122	0	0	0	5	5	0	203	11	2	216	44	320	135	5	504	847
12:45 PM	29	97	0	5	131	0	0	0	4	4	0	217	7	2	226	33	311	138	6	488	849
Total	132	407	0	15	554	0	0	0	32	32	0	793	35	5	833	181	1294	557	34	2066	3485
Grand Total	287	865	0	35	1187	0	0	0	50	50	0	1505	79	22	1606	334	2642	1103	61	4140	6983
Apprch %	24.2	72.9	0	2.9		0	0	0	100		0	93.7	4.9	1.4		8.1	63.8	26.6	1.5		
Total %	4.1	12.4	0	0.5	17	0	0	0	0.7	0.7	0	21.6	1.1	0.3	23	4.8	37.8	15.8	0.9	59.3	

	Ward Avenue Southbound					Kinau Street Westbound					Ward Avenue Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	**41**	98	0	**5**	144	0	0	0	8	8	0	188	**13**	0	201	35	339	150	4	528	881
11:45 AM	36	117	0	4	**157**	0	0	0	3	3	0	183	10	**10**	203	38	325	131	8	502	865
12:00 PM	40	101	0	3	144	0	0	0	**14**	**14**	0	182	5	0	187	**52**	318	133	9	512	857
12:15 PM	34	**119**	0	4	157	0	0	0	9	9	0	**191**	12	1	**204**	52	**345**	**151**	**14**	**562**	**932**
Total Volume	151	435	0	16	602	0	0	0	34	34	0	744	40	11	795	177	1327	565	35	2104	3535
% App. Total	25.1	72.3	0	2.7		0	0	0	100		0	93.6	5	1.4		8.4	63.1	26.9	1.7		
PHF	.921	.914	.000	.800	.959	.000	.000	.000	.607	.607	.000	.974	.769	.275	.974	.851	.962	.935	.625	.936	.948


NORTH
NO PARKING
6:30-8:30 M-F
CONTRA-FLOW LANES
DURING A.M.
TOW AWAY ZONE
3:30-5:30
NO PARKING
CORNER TO HERE
NO LEFT TURN
ON RED FROM
LEFT LANE
ONE WAY
71'-5"
KINAU STREET
53'-11"
52'-11"
52'-4"
NO PARKING ANYTIME
TOW AWAY ZONE
25 MPH
25 MPH
NO RIGHT TURN
WARD
AVENUE

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5677
Counted:SW, RY
Weather:Clear

File Name : KinVic AM
Site Code : 00000036
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Victoria Street Southbound					Kinau Street Westbound					Victoria Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	1	1	0	10	12	0	0	0	4	4	0	2	12	4	18	1	214	101	5	321	355
06:45 AM	2	3	1	5	11	0	0	0	2	2	0	1	14	6	21	1	234	67	0	302	336
Total	3	4	1	15	23	0	0	0	6	6	0	3	26	10	39	2	448	168	5	623	691
07:00 AM	2	8	0	6	16	0	0	0	2	2	0	5	12	4	21	1	237	103	4	345	384
07:15 AM	0	3	0	4	7	0	0	0	1	1	0	3	20	7	30	0	239	107	2	348	386
07:30 AM	6	4	0	7	17	0	0	0	5	5	0	2	30	9	41	2	229	113	2	346	409
07:45 AM	5	5	0	1	11	0	0	0	4	4	0	0	33	12	45	0	242	141	1	384	444
Total	13	20	0	18	51	0	0	0	12	12	0	10	95	32	137	3	947	464	9	1423	1623
08:00 AM	1	7	0	8	16	0	0	0	3	3	0	3	34	9	46	2	213	149	1	365	430
08:15 AM	1	4	0	0	5	0	0	0	6	6	0	3	21	6	30	0	217	126	3	346	387
Grand Total	18	35	1	41	95	0	0	0	27	27	0	19	176	57	252	7	1825	907	18	2757	3131
Apprch %	18.9	36.8	1.1	43.2		0	0	0	100		0	7.5	69.8	22.6		0.3	66.2	32.9	0.7		
Total %	0.6	1.1	0	1.3	3	0	0	0	0.9	0.9	0	0.6	5.6	1.8	8	0.2	58.3	29	0.6	88.1	

	Victoria Street Southbound					Kinau Street Westbound					Victoria Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	**6**	4	0	7	**17**	0	0	0	5	5	0	2	30	9	41	**2**	229	113	2	346	409
07:45 AM	5	5	0	1	11	0	0	0	4	4	0	0	33	**12**	45	0	**242**	141	**1**	**384**	**444**
08:00 AM	**1**	**7**	0	**8**	16	0	0	0	3	3	0	**3**	**34**	9	**46**	2	213	**149**	**1**	365	430
08:15 AM	**1**	4	0	0	5	0	0	0	**6**	**6**	0	3	21	6	30	0	217	126	**3**	346	387
Total Volume	13	20	0	16	49	0	0	0	18	18	0	8	118	36	162	4	901	529	7	1441	1670
% App. Total	26.5	40.8	0	32.7		0	0	0	100		0	4.9	72.8	22.2		0.3	62.5	36.7	0.5		
PHF	.542	.714	.000	.500	.721	.000	.000	.000	.750	.750	.000	.667	.868	.750	.880	.500	.931	.888	.583	.938	.940

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5677
Counted:KK, KS
Weather:Clear

File Name : KinVic MIDDAY
Site Code : 00000037
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Victoria Street Southbound					Kinau Street Westbound					Victoria Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	2	0	0	2	1	0	0	10	11	0	1	29	7	37	0	301	63	0	364	414
11:15 AM	0	4	0	0	4	0	0	0	4	4	0	1	37	5	43	1	299	62	0	362	413
11:30 AM	2	0	0	0	2	0	0	0	1	1	0	2	29	4	35	3	287	65	0	355	393
11:45 AM	3	5	0	0	8	0	0	0	1	1	0	1	27	9	37	1	288	56	4	349	395
Total	5	11	0	0	16	1	0	0	16	17	0	5	122	25	152	5	1175	246	4	1430	1615
12:00 PM	1	1	0	1	3	0	0	0	1	1	0	5	31	2	38	0	258	41	8	307	349
12:15 PM	2	1	0	0	3	0	0	0	2	2	0	3	35	7	45	2	270	50	9	331	381
12:30 PM	3	3	0	0	6	0	0	0	3	3	0	2	35	10	47	2	267	59	9	337	393
12:45 PM	2	2	0	0	4	0	0	0	1	1	0	1	28	8	37	2	274	72	10	358	400
Total	8	7	0	1	16	0	0	0	7	7	0	11	129	27	167	6	1069	222	36	1333	1523
Grand Total	13	18	0	1	32	1	0	0	23	24	0	16	251	52	319	11	2244	468	40	2763	3138
Apprch %	40.6	56.2	0	3.1		4.2	0	0	95.8		0	5	78.7	16.3		0.4	81.2	16.9	1.4		
Total %	0.4	0.6	0	0	1	0	0	0	0.7	0.8	0	0.5	8	1.7	10.2	0.4	71.5	14.9	1.3	88	

	Victoria Street Southbound					Kinau Street Westbound					Victoria Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	0	2	0	0	2	1	0	0	10	11	0	1	29	7	37	0	301	63	0	364	414
11:15 AM	0	4	0	0	4	0	0	0	4	4	0	1	37	5	43	1	299	62	0	362	413
11:30 AM	2	0	0	0	2	0	0	0	1	1	0	2	29	4	35	3	287	65	0	355	393
11:45 AM	3	5	0	0	8	0	0	0	1	1	0	1	27	9	37	1	288	56	4	349	395
Total Volume	5	11	0	0	16	1	0	0	16	17	0	5	122	25	152	5	1175	246	4	1430	1615
% App. Total	31.2	68.8	0	0		5.9	0	0	94.1		0	3.3	80.3	16.4		0.3	82.2	17.2	0.3		
PHF	.417	.550	.000	.000	.500	.250	.000	.000	.400	.386	.000	.625	.824	.694	.884	.417	.976	.946	.250	.982	.975

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5677
Counted:KK, RL
Weather:Clear

File Name : KinVic PM
Site Code : 00000037
Start Date : 4/23/2008
Page No : 1

Groups Printed- Unshifted

	Victoria Street Southbound					Kinau Street Westbound					Victoria Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	2	0	4	6	0	0	0	3	3	0	4	69	15	88	2	250	42	3	297	394
04:15 PM	2	4	0	2	8	0	0	0	0	0	0	2	90	6	98	5	267	49	2	323	429
04:30 PM	0	4	0	6	10	0	0	0	1	1	0	5	109	11	125	4	284	35	1	324	460
04:45 PM	0	2	0	2	4	1	0	0	2	3	0	7	103	4	114	1	278	39	1	319	440
Total	2	12	0	14	28	1	0	0	6	7	0	18	371	36	425	12	1079	165	7	1263	1723
05:00 PM	1	5	0	4	10	0	0	0	0	0	0	3	89	11	103	3	289	36	5	333	446
05:15 PM	3	2	0	2	7	0	0	0	0	0	0	2	107	6	115	2	281	30	1	314	436
05:30 PM	1	2	0	6	9	0	0	0	0	0	0	7	96	8	111	0	263	26	3	292	412
05:45 PM	2	0	0	0	2	0	0	0	0	0	0	5	72	4	81	2	242	20	2	266	349
Total	7	9	0	12	28	0	0	0	0	0	0	17	364	29	410	7	1075	112	11	1205	1643
Grand Total	9	21	0	26	56	1	0	0	6	7	0	35	735	65	835	19	2154	277	18	2468	3366
Apprch %	16.1	37.5	0	46.4		14.3	0	0	85.7		0	4.2	88	7.8		0.8	87.3	11.2	0.7		
Total %	0.3	0.6	0	0.8	1.7	0	0	0	0.2	0.2	0	1	21.8	1.9	24.8	0.6	64	8.2	0.5	73.3	

	Victoria Street Southbound					Kinau Street Westbound					Victoria Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	4	0	**6**	**10**	0	0	0	1	1	0	5	**109**	**11**	**125**	**4**	284	35	1	324	**460**
04:45 PM	0	2	0	2	4	1	0	0	**2**	**3**	0	**7**	103	4	114	1	278	**39**	1	319	440
05:00 PM	1	**5**	0	4	10	0	0	0	0	0	0	3	89	11	103	3	**289**	36	**5**	**333**	446
05:15 PM	**3**	2	0	2	7	0	0	0	0	0	0	2	107	6	115	2	281	30	1	314	436
Total Volume	4	13	0	14	31	1	0	0	3	4	0	17	408	32	457	10	1132	140	8	1290	1782
% App. Total	12.9	41.9	0	45.2		25	0	0	75		0	3.7	89.3	7		0.8	87.8	10.9	0.6		
PHF	.333	.650	.000	.583	.775	.250	.000	.000	.375	.333	.000	.607	.936	.727	.914	.625	.979	.897	.400	.968	.968

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

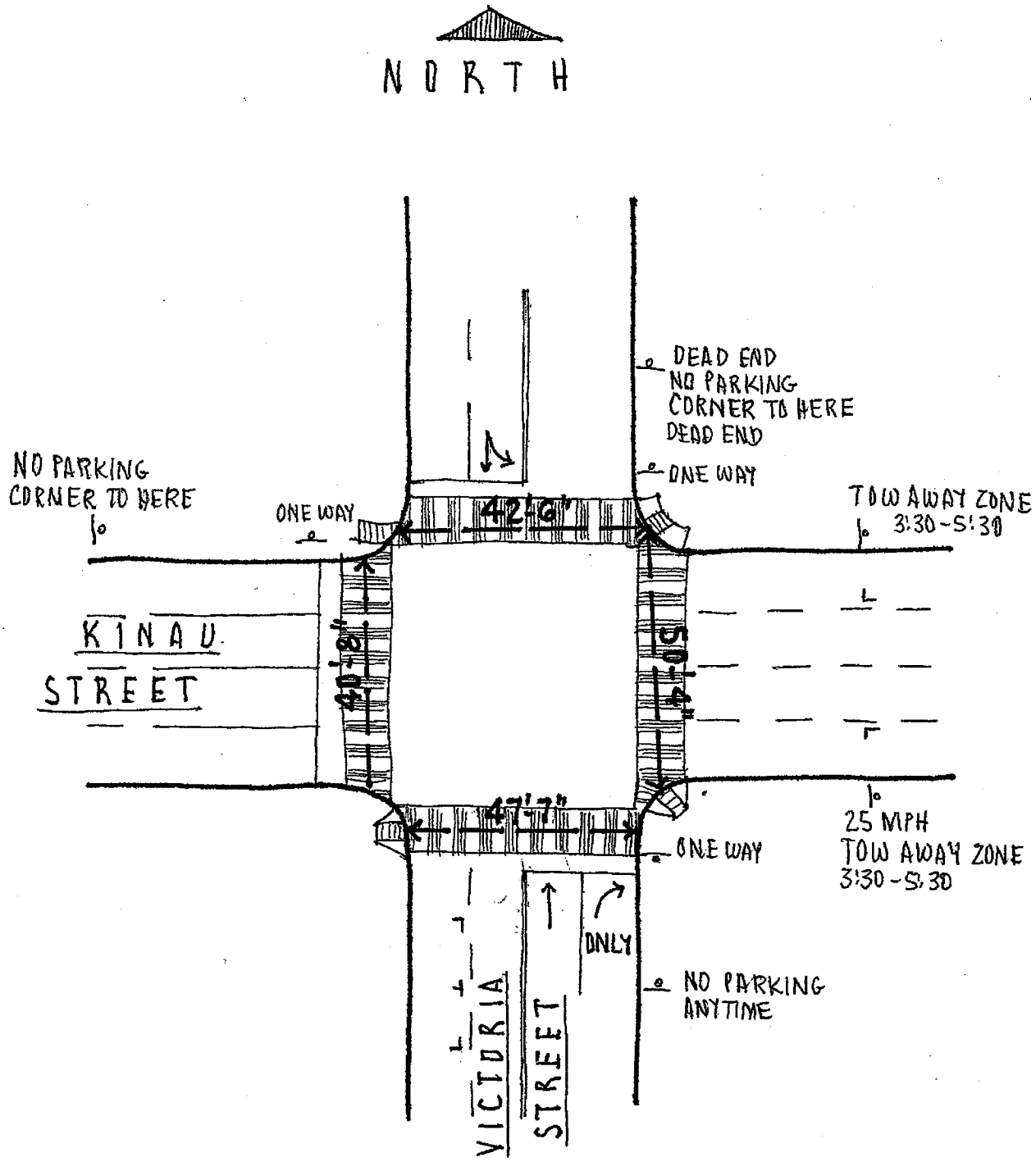
Counter:D4-5677, D4-3889
Counted:SD, WA
Weather:Clear

File Name : KinVic MIDDAY
Site Code : 00000037
Start Date : 6/14/2008
Page No : 1

Groups Printed- Unshifted

	Victoria Street Southbound					Kinau Street Westbound					Victoria Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	5	1	0	3	9	0	0	0	2	2	0	2	31	2	35	4	311	76	0	391	437
11:15 AM	2	5	0	1	8	0	0	0	2	2	0	2	29	9	40	4	301	74	3	382	432
11:30 AM	3	5	0	1	9	0	0	0	2	2	0	4	36	6	46	1	286	73	4	364	421
11:45 AM	0	1	0	1	2	0	0	0	1	1	0	5	31	1	37	3	289	84	1	377	417
Total	10	12	0	6	28	0	0	0	7	7	0	13	127	18	158	12	1187	307	8	1514	1707
12:00 PM	1	2	0	0	3	0	0	0	0	0	0	4	32	1	37	1	293	63	2	359	399
12:15 PM	1	0	0	1	2	0	0	0	1	1	0	2	28	3	33	1	299	71	1	372	408
12:30 PM	0	2	0	1	3	0	0	0	2	2	0	2	33	4	39	0	282	71	1	354	398
12:45 PM	1	1	0	1	3	0	0	0	1	1	0	5	23	3	31	1	277	78	7	363	398
Total	3	5	0	3	11	0	0	0	4	4	0	13	116	11	140	3	1151	283	11	1448	1603
Grand Total	13	17	0	9	39	0	0	0	11	11	0	26	243	29	298	15	2338	590	19	2962	3310
Apprch %	33.3	43.6	0	23.1		0	0	0	100		0	8.7	81.5	9.7		0.5	78.9	19.9	0.6		
Total %	0.4	0.5	0	0.3	1.2	0	0	0	0.3	0.3	0	0.8	7.3	0.9	9	0.5	70.6	17.8	0.6	89.5	

	Victoria Street Southbound					Kinau Street Westbound					Victoria Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	**5**	1	0	**3**	**9**	0	0	0	**2**	**2**	0	2	31	2	35	**4**	**311**	76	0	**391**	**437**
11:15 AM	2	**5**	0	1	8	0	0	0	2	2	0	2	29	**9**	40	4	301	74	3	382	432
11:30 AM	3	5	0	1	9	0	0	0	2	2	0	4	**36**	6	**46**	1	286	73	**4**	364	421
11:45 AM	0	1	0	1	2	0	0	0	1	1	0	**5**	31	1	37	3	289	**84**	1	377	417
Total Volume	10	12	0	6	28	0	0	0	7	7	0	13	127	18	158	12	1187	307	8	1514	1707
% App. Total	35.7	42.9	0	21.4		0	0	0	100		0	8.2	80.4	11.4		0.8	78.4	20.3	0.5		
PHF	.500	.600	.000	.500	.778	.000	.000	.000	.875	.875	.000	.650	.882	.500	.859	.750	.954	.914	.500	.968	.977


NORTH
DEAD END
NO PARKING
CORNER TO HERE
DEAD END
ONE WAY
NO PARKING
CORNER TO HERE
ONE WAY
42'-6"
TOW AWAY ZONE
3:30-5:30
KINAU
STREET
40'-8"
50'-4"
47'-7"
25 MPH
TOW AWAY ZONE
3:30-5:30
ONE WAY
ONLY
NO PARKING
ANYTIME
VICTORIA
STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D1-0769
Counted:ME, KK
Weather:Clear

File Name : KinPen AM
Site Code : 00000038
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Kinau Street Westbound					Pensacola Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	40	115	0	5	160	0	0	0	16	16	0	0	0	4	4	0	112	116	10	238	418
06:45 AM	49	138	0	7	194	0	0	0	32	32	0	0	0	7	7	0	141	111	1	253	486
Total	89	253	0	12	354	0	0	0	48	48	0	0	0	11	11	0	253	227	11	491	904
07:00 AM	77	175	0	5	257	0	0	0	27	27	0	0	0	9	9	0	168	139	16	323	616
07:15 AM	102	201	0	7	310	0	0	0	38	38	0	0	0	8	8	0	174	116	7	297	653
07:30 AM	110	223	0	4	337	0	0	0	47	47	0	0	0	1	1	0	161	109	5	275	660
07:45 AM	98	257	0	4	359	0	0	0	58	58	0	0	0	15	15	0	168	115	19	302	734
Total	387	856	0	20	1263	0	0	0	170	170	0	0	0	33	33	0	671	479	47	1197	2663
08:00 AM	68	243	0	3	314	0	0	0	29	29	0	0	0	1	1	0	170	132	14	316	660
08:15 AM	45	189	0	5	239	0	0	0	32	32	0	0	0	1	1	0	135	145	16	296	568
Grand Total	589	1541	0	40	2170	0	0	0	279	279	0	0	0	46	46	0	1229	983	88	2300	4795
Apprch %	27.1	71	0	1.8		0	0	0	100		0	0	0	100		0	53.4	42.7	3.8		
Total %	12.3	32.1	0	0.8	45.3	0	0	0	5.8	5.8	0	0	0	1	1	0	25.6	20.5	1.8	48	

	Pensacola Street Southbound					Kinau Street Westbound					Pensacola Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	102	201	0	7	310	0	0	0	38	38	0	0	0	8	8	0	**174**	116	7	297	653
07:30 AM	**110**	223	0	4	337	0	0	0	47	47	0	0	0	1	1	0	161	109	5	275	660
07:45 AM	98	**257**	0	4	**359**	0	0	0	**58**	**58**	0	0	0	**15**	**15**	0	168	115	**19**	302	**734**
08:00 AM	68	243	0	3	314	0	0	0	29	29	0	0	0	1	1	0	170	**132**	14	**316**	660
Total Volume	378	924	0	18	1320	0	0	0	172	172	0	0	0	25	25	0	673	472	45	1190	2707
% App. Total	28.6	70	0	1.4		0	0	0	100		0	0	0	100		0	56.6	39.7	3.8		
PHF	.859	.899	.000	.643	.919	.000	.000	.000	.741	.741	.000	.000	.000	.417	.417	.000	.967	.894	.592	.941	.922

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-3889
Counted:SD, KK
Weather:Clear

File Name : KinPen Midday
Site Code : 00000038
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Kinau Street Westbound					Pensacola Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	29	194	0	6	229	0	0	0	0	0	0	0	0	2	2	0	133	169	11	313	544
11:15 AM	46	209	0	18	273	0	0	0	2	2	0	0	0	1	1	0	131	152	0	283	559
11:30 AM	46	162	0	15	223	0	0	0	5	5	0	0	0	1	1	0	143	144	4	291	520
11:45 AM	34	164	0	18	216	0	0	0	5	5	0	0	0	1	1	0	157	150	5	312	534
Total	155	729	0	57	941	0	0	0	12	12	0	0	0	5	5	0	564	615	20	1199	2157
12:00 PM	46	180	0	18	244	0	0	0	3	3	0	0	0	6	6	0	161	166	5	332	585
12:15 PM	47	161	0	20	228	0	0	0	4	4	0	0	0	1	1	0	176	157	10	343	576
12:30 PM	40	193	0	18	251	0	0	0	2	2	0	0	0	2	2	0	141	174	6	321	576
12:45 PM	37	145	0	20	202	0	0	0	3	3	0	0	0	6	6	0	139	163	4	306	517
Total	170	679	0	76	925	0	0	0	12	12	0	0	0	15	15	0	617	660	25	1302	2254
Grand Total	325	1408	0	133	1866	0	0	0	24	24	0	0	0	20	20	0	1181	1275	45	2501	4411
Apprch %	17.4	75.5	0	7.1		0	0	0	100		0	0	0	100		0	47.2	51	1.8		
Total %	7.4	31.9	0	3	42.3	0	0	0	0.5	0.5	0	0	0	0.5	0.5	0	26.8	28.9	1	56.7	

	Pensacola Street Southbound					Kinau Street Westbound					Pensacola Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	34	164	0	18	216	0	0	0	**5**	**5**	0	0	0	1	1	0	157	150	5	312	534
12:00 PM	46	180	0	18	244	0	0	0	3	3	0	0	0	**6**	**6**	0	161	166	5	332	**585**
12:15 PM	**47**	161	0	**20**	228	0	0	0	4	4	0	0	0	1	1	0	**176**	157	**10**	**343**	576
12:30 PM	40	**193**	0	18	**251**	0	0	0	2	2	0	0	0	2	2	0	141	**174**	6	321	576
Total Volume	167	698	0	74	939	0	0	0	14	14	0	0	0	10	10	0	635	647	26	1308	2271
% App. Total	17.8	74.3	0	7.9		0	0	0	100		0	0	0	100		0	48.5	49.5	2		
PHF	.888	.904	.000	.925	.935	.000	.000	.000	.700	.700	.000	.000	.000	.417	.417	.000	.902	.930	.650	.953	.971

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D1-0769
Counted:ME, KF
Weather:Clear

File Name : KinPen PM
Site Code : 00000038
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Kinau Street Westbound					Pensacola Street Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	62	173	0	23	258	0	0	0	4	4	0	0	0	4	4	0	210	148	10	368	634
04:15 PM	60	152	0	22	234	0	0	0	3	3	0	0	0	3	3	0	190	122	8	320	560
04:30 PM	57	184	1	23	265	0	0	0	5	5	0	0	0	10	10	0	282	155	10	447	727
04:45 PM	65	184	0	16	265	0	0	0	8	8	0	0	0	4	4	0	252	156	16	424	701
Total	244	693	1	84	1022	0	0	0	20	20	0	0	0	21	21	0	934	581	44	1559	2622
05:00 PM	52	171	0	21	244	0	0	0	3	3	0	0	0	11	11	0	211	141	10	362	620
05:15 PM	70	159	0	28	257	0	0	0	5	5	0	0	0	6	6	2	260	150	21	433	701
05:30 PM	68	163	0	30	261	0	0	0	6	6	0	0	0	10	10	0	275	189	9	473	750
05:45 PM	52	164	0	30	246	0	0	0	3	3	0	0	0	5	5	0	257	161	3	421	675
Total	242	657	0	109	1008	0	0	0	17	17	0	0	0	32	32	2	1003	641	43	1689	2746
Grand Total	486	1350	1	193	2030	0	0	0	37	37	0	0	0	53	53	2	1937	1222	87	3248	5368
Apprch %	23.9	66.5	0	9.5		0	0	0	100		0	0	0	100		0.1	59.6	37.6	2.7		
Total %	9.1	25.1	0	3.6	37.8	0	0	0	0.7	0.7	0	0	0	1	1	0	36.1	22.8	1.6	60.5	

	Pensacola Street Southbound					Kinau Street Westbound					Pensacola Street Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	65	**184**	0	16	**265**	0	0	0	**8**	**8**	0	0	0	4	4	0	252	156	16	424	701
05:00 PM	52	171	0	21	244	0	0	0	3	3	0	0	0	**11**	**11**	0	211	141	10	362	620
05:15 PM	**70**	159	0	28	257	0	0	0	5	5	0	0	0	6	6	**2**	260	150	**21**	433	701
05:30 PM	68	163	0	**30**	261	0	0	0	6	6	0	0	0	10	10	0	**275**	**189**	9	**473**	**750**
Total Volume	255	677	0	95	1027	0	0	0	22	22	0	0	0	31	31	2	998	636	56	1692	2772
% App. Total	24.8	65.9	0	9.3		0	0	0	100		0	0	0	100		0.1	59	37.6	3.3		
PHF	.911	.920	.000	.792	.969	.000	.000	.000	.688	.688	.000	.000	.000	.705	.705	.250	.907	.841	.667	.894	.924

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

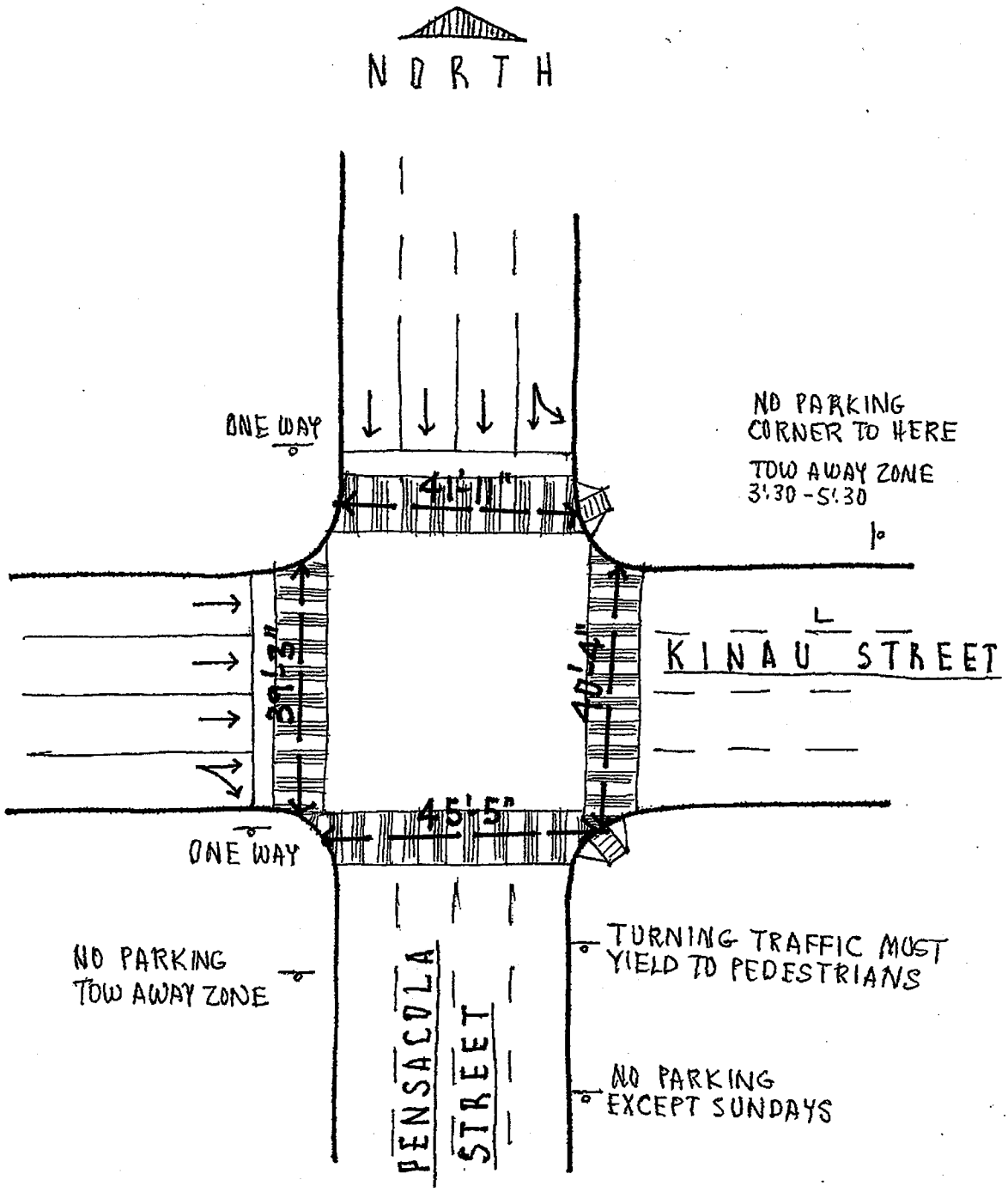
Counter:D4-5673, D4-5672
Counted:RL, JM
Weather:Clear

File Name : KinPen MIDDAY
Site Code : 00000038
Start Date : 6/14/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Kinau Street Westbound					Pensacola Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	52	204	0	5	261	0	0	0	6	6	0	0	0	0	0	0	171	166	7	344	611
11:15 AM	67	180	0	7	254	0	0	0	14	14	0	0	0	3	3	0	140	169	16	325	596
11:30 AM	57	182	0	3	242	0	0	0	26	26	0	0	0	6	6	0	157	177	5	339	613
11:45 AM	53	199	0	3	255	0	0	0	21	21	0	0	0	7	7	0	172	160	9	341	624
Total	229	765	0	18	1012	0	0	0	67	67	0	0	0	16	16	0	640	672	37	1349	2444
12:00 PM	49	200	0	6	255	0	0	0	18	18	0	0	0	10	10	0	170	164	10	344	627
12:15 PM	47	204	0	3	254	0	0	0	23	23	0	0	0	2	2	0	157	162	14	333	612
12:30 PM	46	194	0	1	241	0	0	0	8	8	0	0	0	4	4	0	156	149	4	309	562
12:45 PM	42	199	0	1	242	0	0	0	21	21	0	0	0	4	4	0	166	153	10	329	596
Total	184	797	0	11	992	0	0	0	70	70	0	0	0	20	20	0	649	628	38	1315	2397
Grand Total	413	1562	0	29	2004	0	0	0	137	137	0	0	0	36	36	0	1289	1300	75	2664	4841
Apprch %	20.6	77.9	0	1.4		0	0	0	100		0	0	0	100		0	48.4	48.8	2.8		
Total %	8.5	32.3	0	0.6	41.4	0	0	0	2.8	2.8	0	0	0	0.7	0.7	0	26.6	26.9	1.5	55	

	Pensacola Street Southbound					Kinau Street Westbound					Pensacola Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	**57**	182	0	3	242	0	0	0	**26**	**26**	0	0	0	6	6	0	157	**177**	5	339	613
11:45 AM	53	199	0	3	**255**	0	0	0	21	21	0	0	0	7	7	0	**172**	160	9	341	624
12:00 PM	49	200	0	**6**	255	0	0	0	18	18	0	0	0	**10**	**10**	0	170	164	10	**344**	**627**
12:15 PM	47	**204**	0	3	254	0	0	0	23	23	0	0	0	2	2	0	157	162	**14**	333	612
Total Volume	206	785	0	15	1006	0	0	0	88	88	0	0	0	25	25	0	656	663	38	1357	2476
% App. Total	20.5	78	0	1.5		0	0	0	100		0	0	0	100		0	48.3	48.9	2.8		
PHF	.904	.962	.000	.625	.986	.000	.000	.000	.846	.846	.000	.000	.000	.625	.625	.000	.953	.936	.679	.986	.987


NORTH
ONE WAY
NO PARKING
CORNER TO HERE
TOW AWAY ZONE
3:30 - 5:30
41'-11"
KINAU STREET
30'-3"
40'-4"
45'-5"
ONE WAY
NO PARKING
TOW AWAY ZONE
TURNING TRAFFIC MUST
YIELD TO PEDESTRIANS
PENSACOLA
STREET
NO PARKING
EXCEPT SUNDAYS

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-3889
Counted:SD, KK
Weather:Clear

File Name : KinKee AM
Site Code : 00000040
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Kinau Street Westbound					Keeaumoku Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	6	104	0	3	113	8	0	15	8	31	0	61	0	11	72	14	4	52	11	81	297
06:45 AM	11	137	0	4	152	7	0	19	8	34	0	90	4	6	100	22	10	50	6	88	374
Total	17	241	0	7	265	15	0	34	16	65	0	151	4	17	172	36	14	102	17	169	671
07:00 AM	4	191	0	5	200	4	0	27	20	51	0	139	7	9	155	37	11	84	11	143	549
07:15 AM	12	227	0	3	242	6	0	50	12	68	0	143	4	8	155	31	11	81	10	133	598
07:30 AM	5	248	0	4	257	11	0	57	15	83	0	143	16	9	168	23	20	68	4	115	623
07:45 AM	8	222	0	9	239	18	0	39	23	80	0	122	16	2	140	26	14	91	9	140	599
Total	29	888	0	21	938	39	0	173	70	282	0	547	43	28	618	117	56	324	34	531	2369
08:00 AM	12	175	0	3	190	9	0	28	17	54	0	103	10	5	118	17	15	92	5	129	491
08:15 AM	8	168	0	1	177	5	0	15	7	27	0	94	13	9	116	16	10	102	10	138	458
Grand Total	66	1472	0	32	1570	68	0	250	110	428	0	895	70	59	1024	186	95	620	66	967	3989
Apprch %	4.2	93.8	0	2		15.9	0	58.4	25.7		0	87.4	6.8	5.8		19.2	9.8	64.1	6.8		
Total %	1.7	36.9	0	0.8	39.4	1.7	0	6.3	2.8	10.7	0	22.4	1.8	1.5	25.7	4.7	2.4	15.5	1.7	24.2	

	Keeaumoku Street Southbound					Kinau Street Westbound					Keeaumoku Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	4	191	0	5	200	4	0	27	20	51	0	139	7	9	155	37	11	84	11	143	549
07:15 AM	12	227	0	3	242	6	0	50	12	68	0	143	4	8	155	31	11	81	10	133	598
07:30 AM	5	248	0	4	257	11	0	57	15	83	0	143	16	9	168	23	20	68	4	115	623
07:45 AM	8	222	0	9	239	18	0	39	23	80	0	122	16	2	140	26	14	91	9	140	599
Total Volume	29	888	0	21	938	39	0	173	70	282	0	547	43	28	618	117	56	324	34	531	2369
% App. Total	3.1	94.7	0	2.2		13.8	0	61.3	24.8		0	88.5	7	4.5		22	10.5	61	6.4		
PHF	.604	.895	.000	.583	.912	.542	.000	.759	.761	.849	.000	.956	.672	.778	.920	.791	.700	.890	.773	.928	.951

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-3889
Counted:RY, SD
Weather:Clear

File Name : KinKee MIDDAY
Site Code : 00000040
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Kinau Street Westbound					Keeaumoku Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	7	99	0	0	106	2	0	21	9	32	0	138	15	6	159	27	16	85	8	136	433
11:15 AM	6	107	0	4	117	10	0	23	12	45	0	146	12	4	162	32	19	77	9	137	461
11:30 AM	5	93	0	1	99	14	0	34	8	56	0	127	9	27	163	29	14	102	8	153	471
11:45 AM	11	99	0	4	114	10	0	21	8	39	0	137	10	6	153	28	12	92	1	133	439
Total	29	398	0	9	436	36	0	99	37	172	0	548	46	43	637	116	61	356	26	559	1804
12:00 PM	6	103	0	0	109	6	0	26	5	37	0	175	21	5	201	27	14	98	3	142	489
12:15 PM	9	95	0	3	107	6	0	28	8	42	0	144	14	3	161	23	19	99	11	152	462
12:30 PM	8	101	0	2	111	6	0	25	4	35	0	157	9	6	172	24	12	94	8	138	456
12:45 PM	4	96	0	1	101	8	0	32	3	43	0	141	15	9	165	27	9	80	7	123	432
Total	27	395	0	6	428	26	0	111	20	157	0	617	59	23	699	101	54	371	29	555	1839
Grand Total	56	793	0	15	864	62	0	210	57	329	0	1165	105	66	1336	217	115	727	55	1114	3643
Apprch %	6.5	91.8	0	1.7		18.8	0	63.8	17.3		0	87.2	7.9	4.9		19.5	10.3	65.3	4.9		
Total %	1.5	21.8	0	0.4	23.7	1.7	0	5.8	1.6	9	0	32	2.9	1.8	36.7	6	3.2	20	1.5	30.6	

	Keeaumoku Street Southbound					Kinau Street Westbound					Keeaumoku Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	5	93	0	1	99	**14**	0	**34**	**8**	**56**	0	127	9	**27**	163	**29**	14	**102**	8	**153**	471
11:45 AM	**11**	99	0	**4**	**114**	10	0	21	8	39	0	137	10	6	153	28	12	92	1	133	439
12:00 PM	6	**103**	0	0	109	6	0	26	5	37	0	**175**	**21**	5	**201**	27	14	98	3	142	**489**
12:15 PM	9	95	0	3	107	6	0	28	8	42	0	144	14	3	161	23	**19**	99	**11**	152	462
Total Volume	31	390	0	8	429	36	0	109	29	174	0	583	54	41	678	107	59	391	23	580	1861
% App. Total	7.2	90.9	0	1.9		20.7	0	62.6	16.7		0	86	8	6		18.4	10.2	67.4	4		
PHF	.705	.947	.000	.500	.941	.643	.000	.801	.906	.777	.000	.833	.643	.380	.843	.922	.776	.958	.523	.948	.951

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5674, D4-5676
Counted:AN, TG
Weather:Clear

File Name : KinKee PM
Site Code : 00000040
Start Date : 4/28/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Kinau Street Westbound					Keeaumoku Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	6	123	0	5	134	6	2	46	9	63	0	285	16	7	308	58	20	102	10	190	695
04:15 PM	12	127	0	10	149	10	0	41	15	66	0	264	13	12	289	43	29	70	17	159	663
04:30 PM	9	129	0	9	147	8	1	61	26	96	0	319	19	20	358	43	18	83	13	157	758
04:45 PM	8	127	0	3	138	10	0	49	7	66	0	344	21	6	371	46	27	86	17	176	751
Total	35	506	0	27	568	34	3	197	57	291	0	1212	69	45	1326	190	94	341	57	682	2867
05:00 PM	7	107	2	1	117	6	0	62	18	86	0	319	25	11	355	51	31	83	14	179	737
05:15 PM	15	108	0	12	135	9	0	66	16	91	0	323	20	6	349	47	17	70	20	154	729
05:30 PM	12	124	0	3	139	5	0	35	10	50	0	311	25	12	348	52	30	91	13	186	723
05:45 PM	16	131	0	5	152	9	0	52	11	72	0	294	24	2	320	39	27	79	12	157	701
Total	50	470	2	21	543	29	0	215	55	299	0	1247	94	31	1372	189	105	323	59	676	2890
Grand Total	85	976	2	48	1111	63	3	412	112	590	0	2459	163	76	2698	379	199	664	116	1358	5757
Apprch %	7.7	87.8	0.2	4.3		10.7	0.5	69.8	19		0	91.1	6	2.8		27.9	14.7	48.9	8.5		
Total %	1.5	17	0	0.8	19.3	1.1	0.1	7.2	1.9	10.2	0	42.7	2.8	1.3	46.9	6.6	3.5	11.5	2	23.6	

	Keeaumoku Street Southbound					Kinau Street Westbound					Keeaumoku Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	9	129	0	9	147	8	1	61	26	96	0	319	19	20	358	43	18	83	13	157	758
04:45 PM	8	127	0	3	138	10	0	49	7	66	0	344	21	6	371	46	27	86	17	176	751
05:00 PM	7	107	2	1	117	6	0	62	18	86	0	319	25	11	355	51	31	83	14	179	737
05:15 PM	15	108	0	12	135	9	0	66	16	91	0	323	20	6	349	47	17	70	20	154	729
Total Volume	39	471	2	25	537	33	1	238	67	339	0	1305	85	43	1433	187	93	322	64	666	2975
% App. Total	7.3	87.7	0.4	4.7		9.7	0.3	70.2	19.8		0	91.1	5.9	3		28.1	14	48.3	9.6		
PHF	.650	.913	.250	.521	.913	.825	.250	.902	.644	.883	.000	.948	.850	.538	.966	.917	.750	.936	.800	.930	.981

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

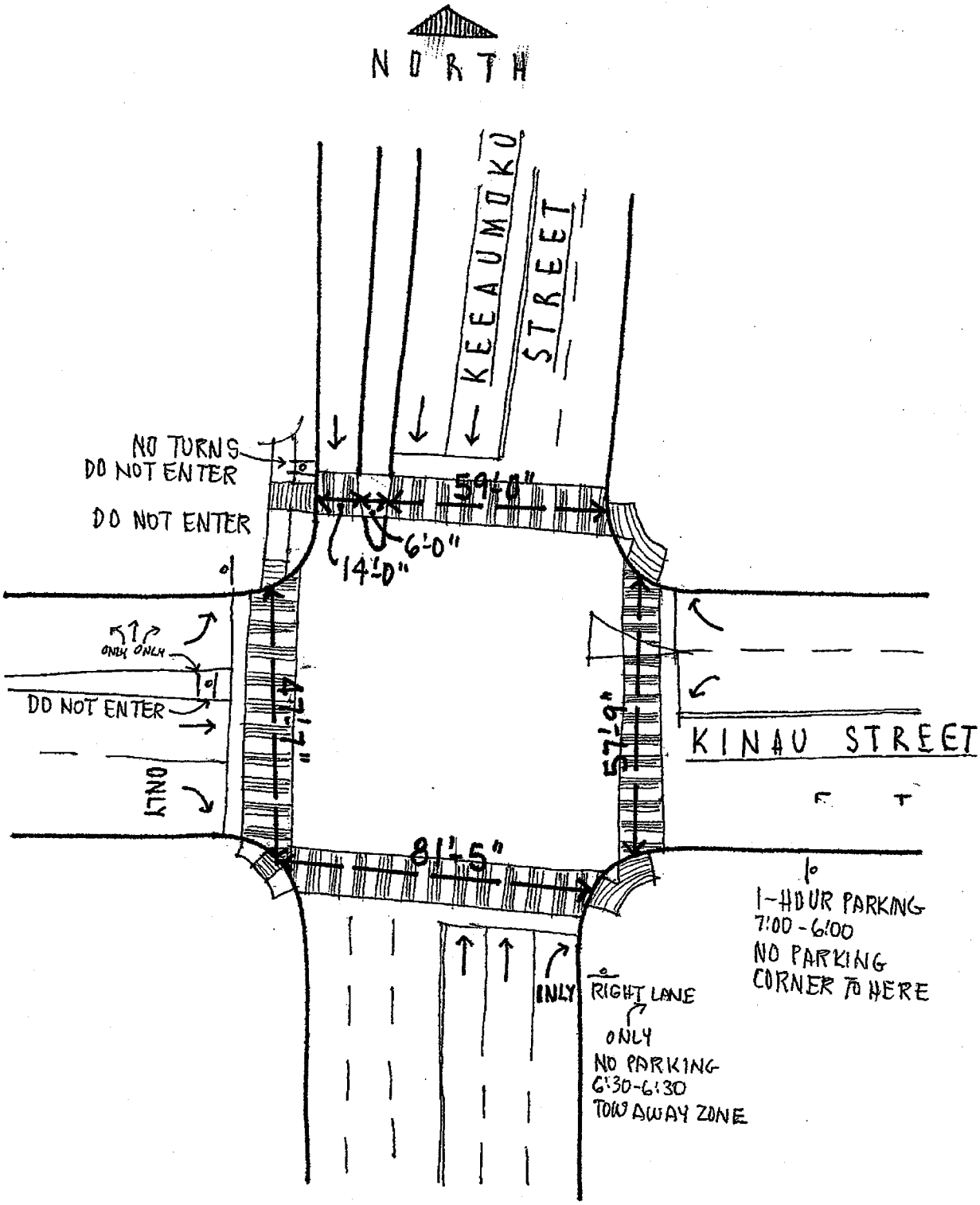
Counter:D4-5671, D4-3888
Counted:JY, SW
Weather:Clear

File Name : KinKee MIDDAY
Site Code : 00000040
Start Date : 6/14/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Kinau Street Westbound					Keeaumoku Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	8	163	0	5	176	14	0	30	8	52	0	124	25	4	153	31	21	101	12	165	546
11:15 AM	8	163	0	1	172	16	0	15	14	45	0	165	10	5	180	26	11	100	9	146	543
11:30 AM	11	124	0	3	138	7	0	37	11	55	0	128	10	1	139	30	13	97	8	148	480
11:45 AM	5	148	0	2	155	7	0	36	3	46	0	150	9	0	159	30	14	118	8	170	530
Total	32	598	0	11	641	44	0	118	36	198	0	567	54	10	631	117	59	416	37	629	2099
12:00 PM	13	165	1	1	180	7	3	26	8	44	0	145	14	8	167	19	19	77	4	119	510
12:15 PM	7	139	0	5	151	8	0	27	8	43	0	153	13	9	175	26	24	106	13	169	538
12:30 PM	10	110	0	2	122	2	0	24	6	32	0	167	25	9	201	19	15	110	8	152	507
12:45 PM	7	136	2	2	147	10	0	20	12	42	0	150	27	2	179	20	10	95	11	136	504
Total	37	550	3	10	600	27	3	97	34	161	0	615	79	28	722	84	68	388	36	576	2059
Grand Total	69	1148	3	21	1241	71	3	215	70	359	0	1182	133	38	1353	201	127	804	73	1205	4158
Apprch %	5.6	92.5	0.2	1.7		19.8	0.8	59.9	19.5		0	87.4	9.8	2.8		16.7	10.5	66.7	6.1		
Total %	1.7	27.6	0.1	0.5	29.8	1.7	0.1	5.2	1.7	8.6	0	28.4	3.2	0.9	32.5	4.8	3.1	19.3	1.8	29	

	Keeaumoku Street Southbound					Kinau Street Westbound					Keeaumoku Street Northbound					Kinau Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	8	**163**	0	**5**	**176**	14	0	30	8	52	0	124	**25**	4	153	**31**	**21**	101	**12**	165	**546**
11:15 AM	8	163	0	**1**	172	**16**	0	15	**14**	45	0	**165**	10	**5**	**180**	26	11	100	9	146	543
11:30 AM	**11**	124	0	3	138	7	0	**37**	11	**55**	0	128	10	1	139	30	13	97	8	148	480
11:45 AM	5	148	0	2	155	7	0	36	3	46	0	150	9	0	159	30	14	**118**	8	**170**	530
Total Volume	32	598	0	11	641	44	0	118	36	198	0	567	54	10	631	117	59	416	37	629	2099
% App. Total	5	93.3	0	1.7		22.2	0	59.6	18.2		0	89.9	8.6	1.6		18.6	9.4	66.1	5.9		
PHF	.727	.917	.000	.550	.911	.688	.000	.797	.643	.900	.000	.859	.540	.500	.876	.944	.702	.881	.771	.925	.961


NORTH
KEEAUMOKU STREET
NO TURNS
DO NOT ENTER
DO NOT ENTER
59'-0"
6'-0"
14'-0"
ONLY ONLY
DO NOT ENTER
ONLY
47'-7"
57'-9"
KINAU STREET
81'-5"
1-HOUR PARKING
7:00 - 6:00
NO PARKING
CORNER TO HERE
ONLY
RIGHT LANE
ONLY
NO PARKING
6:30-6:30
TOW AWAY ZONE

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5671
Counted:ER, DN
Weather:Clear

File Name : WilMet AM
Site Code : 00000041
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Metcalf Street Southbound					Wilder Avenue Westbound					Metcalf Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:30 AM	25	31	1	3	60	1	126	1	1	129	0	9	10	1	20	13	49	20	0	82	291
06:45 AM	32	56	0	3	91	3	206	2	0	211	1	13	11	2	27	30	63	30	1	124	453
Total	57	87	1	6	151	4	332	3	1	340	1	22	21	3	47	43	112	50	1	206	744
07:00 AM	24	64	0	5	93	0	264	2	5	271	2	19	16	3	40	43	64	52	5	164	568
07:15 AM	28	97	2	16	143	2	199	0	6	207	3	21	5	3	32	64	87	54	2	207	589
07:30 AM	21	95	0	7	123	5	143	1	9	158	6	17	12	4	39	75	91	65	3	234	554
07:45 AM	30	78	4	6	118	1	95	1	11	108	2	11	14	4	31	53	98	45	5	201	458
Total	103	334	6	34	477	8	701	4	31	744	13	68	47	14	142	235	340	216	15	806	2169
08:00 AM	15	39	2	7	63	3	122	6	9	140	3	9	17	4	33	29	74	41	3	147	383
08:15 AM	25	39	1	6	71	5	117	4	7	133	2	19	11	8	40	18	63	35	5	121	365
Grand Total	200	499	10	53	762	20	1272	17	48	1357	19	118	96	29	262	325	589	342	24	1280	3661
Apprch %	26.2	65.5	1.3	7		1.5	93.7	1.3	3.5		7.3	45	36.6	11.1		25.4	46	26.7	1.9		
Total %	5.5	13.6	0.3	1.4	20.8	0.5	34.7	0.5	1.3	37.1	0.5	3.2	2.6	0.8	7.2	8.9	16.1	9.3	0.7	35	

	Metcalf Street Southbound					Wilder Avenue Westbound					Metcalf Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	24	64	0	5	93	0	**264**	**2**	5	**271**	2	19	**16**	3	**40**	43	64	52	**5**	164	568
07:15 AM	28	**97**	2	**16**	**143**	**2**	199	0	6	207	3	**21**	5	3	32	64	87	54	2	207	**589**
07:30 AM	21	95	0	7	123	**5**	143	**1**	9	158	**6**	17	12	**4**	39	**75**	91	**65**	3	**234**	554
07:45 AM	**30**	78	**4**	6	118	1	95	1	**11**	108	2	11	14	4	31	53	**98**	45	5	201	458
Total Volume	103	334	6	34	477	8	701	4	31	744	13	68	47	14	142	235	340	216	15	806	2169
% App. Total	21.6	70	1.3	7.1		1.1	94.2	0.5	4.2		9.2	47.9	33.1	9.9		29.2	42.2	26.8	1.9		
PHF	.858	.861	.375	.531	.834	.400	.664	.500	.705	.686	.542	.810	.734	.875	.888	.783	.867	.831	.750	.861	.921

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5671
Counted:ER, KS
Weather:Clear

File Name : WilMet MIDDAY
Site Code : 00000041
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Metcalf Street Southbound					Wilder Avenue Westbound					Metcalf Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
11:00 AM	8	14	0	4	26	8	133	23	3	167	2	22	16	3	43	10	41	14	0	65	301
11:15 AM	7	14	1	2	24	10	100	9	2	121	4	17	11	1	33	10	27	22	0	59	237
11:30 AM	9	19	1	1	30	8	76	20	7	111	4	16	10	1	31	12	43	16	0	71	243
11:45 AM	13	14	0	0	27	5	80	27	2	114	6	16	11	0	33	4	22	18	0	44	218
Total	37	61	2	7	107	31	389	79	14	513	16	71	48	5	140	36	133	70	0	239	999
12:00 PM	15	16	1	0	32	5	58	24	8	95	3	18	11	5	37	12	48	24	4	88	252
12:15 PM	8	9	2	0	19	5	71	13	2	91	6	20	6	3	35	4	38	15	0	57	202
12:30 PM	10	13	1	2	26	8	90	18	5	121	7	10	16	2	35	16	38	12	0	66	248
12:45 PM	11	13	0	4	28	3	84	12	7	106	4	11	13	3	31	4	31	10	0	45	210
Total	44	51	4	6	105	21	303	67	22	413	20	59	46	13	138	36	155	61	4	256	912
Grand Total	81	112	6	13	212	52	692	146	36	926	36	130	94	18	278	72	288	131	4	495	1911
Apprch %	38.2	52.8	2.8	6.1		5.6	74.7	15.8	3.9		12.9	46.8	33.8	6.5		14.5	58.2	26.5	0.8		
Total %	4.2	5.9	0.3	0.7	11.1	2.7	36.2	7.6	1.9	48.5	1.9	6.8	4.9	0.9	14.5	3.8	15.1	6.9	0.2	25.9	

	Metcalf Street Southbound					Wilder Avenue Westbound					Metcalf Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	8	14	0	4	26	8	**133**	23	3	**167**	2	**22**	**16**	**3**	**43**	10	41	14	0	65	**301**
11:15 AM	7	14	**1**	2	24	**10**	100	9	2	121	4	17	11	1	33	10	27	**22**	0	59	237
11:30 AM	9	**19**	1	1	**30**	8	76	20	**7**	111	4	16	10	1	31	**12**	**43**	16	0	**71**	243
11:45 AM	**13**	14	0	0	27	5	80	**27**	2	114	**6**	16	11	0	33	4	22	18	0	44	218
Total Volume	37	61	2	7	107	31	389	79	14	513	16	71	48	5	140	36	133	70	0	239	999
% App. Total	34.6	57	1.9	6.5		6	75.8	15.4	2.7		11.4	50.7	34.3	3.6		15.1	55.6	29.3	0		
PHF	.712	.803	.500	.438	.892	.775	.731	.731	.500	.768	.667	.807	.750	.417	.814	.750	.773	.795	.000	.842	.830

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

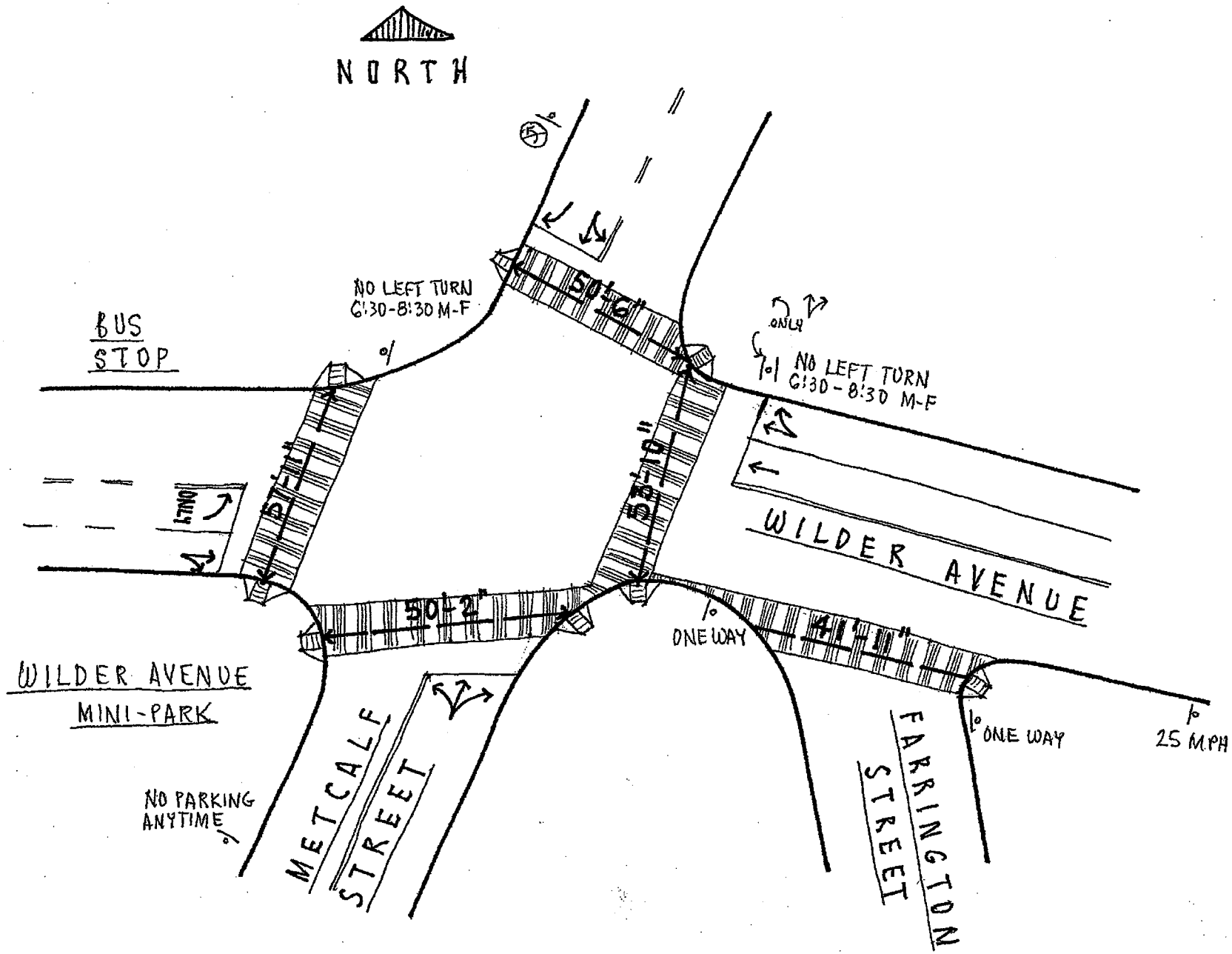
Counter:T-1841, D4-5671
Counted:ER, AN
Weather:Clear

File Name : WilMet PM
Site Code : 00000041
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Metcalf Street Southbound					Wilder Avenue Westbound					Metcalf Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	27	41	1	9	78	4	203	16	10	233	4	31	18	5	58	44	101	36	8	189	558
04:15 PM	38	43	1	4	86	2	209	8	2	221	2	19	16	5	42	30	102	50	7	189	538
04:30 PM	21	43	2	0	66	5	164	28	3	200	3	30	23	4	60	30	104	34	3	171	497
04:45 PM	23	36	2	8	69	5	141	22	6	174	4	19	17	2	42	31	72	42	8	153	438
Total	109	163	6	21	299	16	717	74	21	828	13	99	74	16	202	135	379	162	26	702	2031
05:00 PM	22	30	2	9	63	2	129	24	6	161	9	19	20	2	50	22	83	29	5	139	413
05:15 PM	18	46	1	11	76	2	107	11	7	127	2	34	16	5	57	28	99	46	4	177	437
05:30 PM	21	45	2	2	70	2	93	24	8	127	2	28	18	5	53	20	92	32	4	148	398
05:45 PM	11	34	4	6	55	0	93	13	5	111	12	34	11	1	58	21	89	27	3	140	364
Total	72	155	9	28	264	6	422	72	26	526	25	115	65	13	218	91	363	134	16	604	1612
Grand Total	181	318	15	49	563	22	1139	146	47	1354	38	214	139	29	420	226	742	296	42	1306	3643
Apprch %	32.1	56.5	2.7	8.7		1.6	84.1	10.8	3.5		9	51	33.1	6.9		17.3	56.8	22.7	3.2		
Total %	5	8.7	0.4	1.3	15.5	0.6	31.3	4	1.3	37.2	1	5.9	3.8	0.8	11.5	6.2	20.4	8.1	1.2	35.8	

	Metcalf Street Southbound					Wilder Avenue Westbound					Metcalf Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	27	**41**	1	**9**	78	4	203	16	**10**	**233**	**4**	**31**	18	**5**	58	**44**	101	36	**8**	**189**	**558**
04:15 PM	**38**	**43**	1	4	**86**	2	**209**	8	2	221	2	19	16	5	42	30	102	**50**	7	189	538
04:30 PM	21	43	**2**	0	66	**5**	164	**28**	3	200	3	30	**23**	4	**60**	30	**104**	34	3	171	497
04:45 PM	23	36	2	8	69	5	141	22	6	174	4	19	17	2	42	31	72	42	8	153	438
Total Volume	109	163	6	21	299	16	717	74	21	828	13	99	74	16	202	135	379	162	26	702	2031
% App. Total	36.5	54.5	2	7		1.9	86.6	8.9	2.5		6.4	49	36.6	7.9		19.2	54	23.1	3.7		
PHF	.717	.948	.750	.583	.869	.800	.858	.661	.525	.888	.813	.798	.804	.800	.842	.767	.911	.810	.813	.929	.910


NORTH
BUS STOP
NO LEFT TURN 6:30-8:30 M-F
50'-6"
ONLY
NO LEFT TURN 6:30 - 8:30 M-F
WILDER AVENUE
ONLY
50'-2"
ONE WAY
WILDER AVENUE MINI-PARK
NO PARKING ANYTIME
METCALF STREET
FARRINGTON STREET
ONE WAY
25 MPH

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5677
Counted:ER, KK
Weather:Clear

File Name : WilAle AM
Site Code : 00000042
Start Date : 4/28/2008
Page No : 1

Groups Printed- Unshifted

	Punahou School Exit Southbound					Wilder Avenue Westbound					Alexander Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:30 AM	15	22	16	6	59	0	126	20	2	148	15	0	2	3	20	12	60	0	5	77	304
06:45 AM	44	42	51	0	137	0	185	63	5	253	11	0	8	5	24	47	89	0	5	141	555
Total	59	64	67	6	196	0	311	83	7	401	26	0	10	8	44	59	149	0	10	218	859
07:00 AM	86	38	78	4	206	0	227	61	2	290	15	0	6	11	32	58	123	0	28	209	737
07:15 AM	88	39	81	3	211	0	184	40	7	231	16	0	2	10	28	50	137	0	8	195	665
07:30 AM	71	29	73	4	177	0	176	32	3	211	21	0	3	12	36	46	182	0	4	232	656
07:45 AM	41	24	68	2	135	0	176	30	1	207	10	0	2	5	17	15	119	0	2	136	495
Total	286	130	300	13	729	0	763	163	13	939	62	0	13	38	113	169	561	0	42	772	2553
08:00 AM	18	14	25	9	66	0	144	20	0	164	8	0	5	3	16	15	97	0	2	114	360
08:15 AM	28	13	22	7	70	0	169	11	1	181	10	0	8	7	25	6	96	0	1	103	379
Grand Total	391	221	414	35	1061	0	1387	277	21	1685	106	0	36	56	198	249	903	0	55	1207	4151
Apprch %	36.9	20.8	39	3.3		0	82.3	16.4	1.2		53.5	0	18.2	28.3		20.6	74.8	0	4.6		
Total %	9.4	5.3	10	0.8	25.6	0	33.4	6.7	0.5	40.6	2.6	0	0.9	1.3	4.8	6	21.8	0	1.3	29.1	

	Punahou School Exit Southbound					Wilder Avenue Westbound					Alexander Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:45 AM																					
06:45 AM	44	**42**	51	0	137	0	185	**63**	5	253	11	0	**8**	5	24	47	89	0	5	141	555
07:00 AM	86	38	78	**4**	206	0	**227**	61	2	**290**	15	0	6	11	32	**58**	123	0	**28**	209	**737**
07:15 AM	**88**	39	**81**	3	**211**	0	184	40	**7**	231	16	0	2	10	28	50	137	0	8	195	665
07:30 AM	71	29	73	4	177	0	176	32	3	211	**21**	0	3	**12**	**36**	46	**182**	0	4	**232**	656
Total Volume	289	148	283	11	731	0	772	196	17	985	63	0	19	38	120	201	531	0	45	777	2613
% App. Total	39.5	20.2	38.7	1.5		0	78.4	19.9	1.7		52.5	0	15.8	31.7		25.9	68.3	0	5.8		
PHF	.821	.881	.873	.688	.866	.000	.850	.778	.607	.849	.750	.000	.594	.792	.833	.866	.729	.000	.402	.837	.886

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5672
Counted:ZW, DY
Weather:Clear

File Name : WilAle MIDDAY
Site Code : 00000042
Start Date : 4/28/2008
Page No : 1

Groups Printed- Unshifted

	Punahou School Exit Southbound					Wilder Avenue Westbound					Alexander Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
11:00 AM	9	3	6	9	27	0	73	6	0	79	8	0	3	3	14	5	66	0	4	75	195
11:15 AM	15	3	5	2	25	0	72	7	0	79	7	0	2	2	11	5	70	0	1	76	191
11:30 AM	10	1	6	0	17	0	78	10	1	89	14	0	2	2	18	1	56	0	0	57	181
11:45 AM	10	1	1	3	15	0	84	8	1	93	6	0	4	2	12	6	58	0	0	64	184
Total	44	8	18	14	84	0	307	31	2	340	35	0	11	9	55	17	250	0	5	272	751
12:00 PM	7	6	5	1	19	0	69	12	1	82	4	0	6	2	12	3	39	0	0	42	155
12:15 PM	10	1	6	2	19	0	74	7	2	83	8	0	9	2	19	1	58	0	0	59	180
12:30 PM	11	1	8	7	27	0	91	13	0	104	3	0	5	2	10	3	53	0	2	58	199
12:45 PM	3	5	4	2	14	0	92	7	0	99	4	0	4	3	11	9	53	0	0	62	186
Total	31	13	23	12	79	0	326	39	3	368	19	0	24	9	52	16	203	0	2	221	720
Grand Total	75	21	41	26	163	0	633	70	5	708	54	0	35	18	107	33	453	0	7	493	1471
Apprch %	46	12.9	25.2	16		0	89.4	9.9	0.7		50.5	0	32.7	16.8		6.7	91.9	0	1.4		
Total %	5.1	1.4	2.8	1.8	11.1	0	43	4.8	0.3	48.1	3.7	0	2.4	1.2	7.3	2.2	30.8	0	0.5	33.5	

	Punahou School Exit Southbound					Wilder Avenue Westbound					Alexander Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	9	**3**	**6**	**9**	**27**	0	73	6	0	79	8	0	3	**3**	14	5	66	0	**4**	75	**195**
11:15 AM	**15**	3	5	2	25	0	72	7	0	79	7	0	2	2	11	5	**70**	0	1	**76**	191
11:30 AM	10	1	6	0	17	0	78	**10**	1	89	**14**	0	2	2	**18**	1	56	0	0	57	181
11:45 AM	10	1	1	3	15	0	**84**	8	1	**93**	6	0	**4**	2	12	**6**	58	0	0	64	184
Total Volume	44	8	18	14	84	0	307	31	2	340	35	0	11	9	55	17	250	0	5	272	751
% App. Total	52.4	9.5	21.4	16.7		0	90.3	9.1	0.6		63.6	0	20	16.4		6.2	91.9	0	1.8		
PHF	.733	.667	.750	.389	.778	.000	.914	.775	.500	.914	.625	.000	.688	.750	.764	.708	.893	.000	.313	.895	.963

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

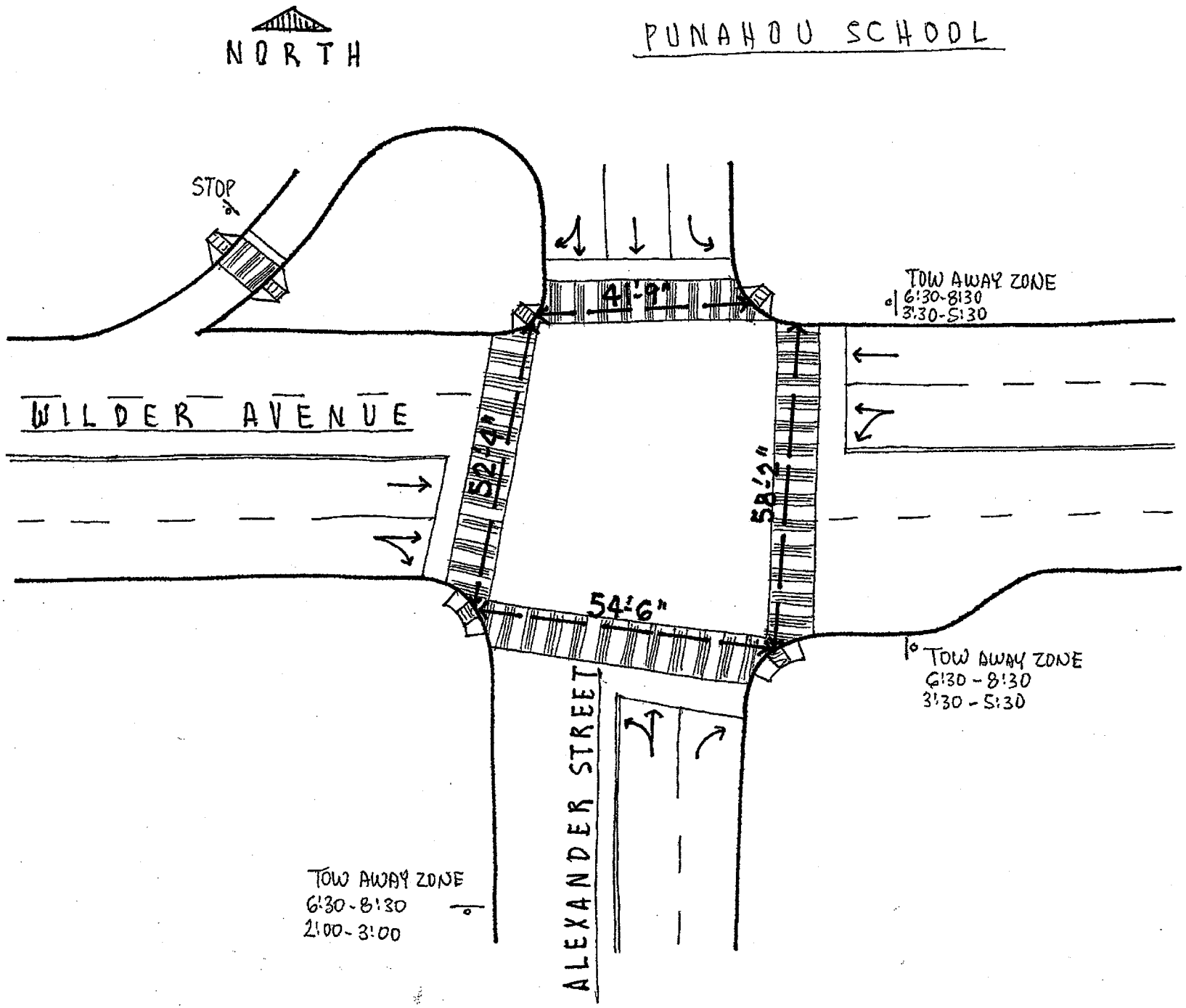
Counter:T-1839, D4-5672
Counted:ZW, KK
Weather:Clear

File Name : WilAle PM
Site Code : 00000042
Start Date : 4/28/2008
Page No : 1

Groups Printed- Unshifted

	Punahou School Exit Southbound					Wilder Avenue Westbound					Alexander Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	57	18	74	9	158	0	203	17	2	222	13	0	3	10	26	19	108	0	2	129	535
04:15 PM	38	21	53	7	119	0	222	21	1	244	11	0	4	2	17	10	108	0	2	120	500
04:30 PM	49	27	63	6	145	0	185	31	2	218	17	0	6	9	32	14	107	0	1	122	517
04:45 PM	37	18	58	12	125	0	177	28	3	208	17	0	4	13	34	13	109	0	3	125	492
Total	181	84	248	34	547	0	787	97	8	892	58	0	17	34	109	56	432	0	8	496	2044
05:00 PM	40	30	56	11	137	0	141	27	1	169	16	0	1	2	19	12	107	0	5	124	449
05:15 PM	33	24	50	7	114	0	164	28	1	193	20	0	8	8	36	8	103	0	4	115	458
05:30 PM	21	22	44	6	93	0	125	20	4	149	11	0	3	8	22	4	101	0	4	109	373
05:45 PM	19	23	21	8	71	0	100	17	2	119	13	0	4	4	21	7	89	0	2	98	309
Total	113	99	171	32	415	0	530	92	8	630	60	0	16	22	98	31	400	0	15	446	1589
Grand Total	294	183	419	66	962	0	1317	189	16	1522	118	0	33	56	207	87	832	0	23	942	3633
Apprch %	30.6	19	43.6	6.9		0	86.5	12.4	1.1		57	0	15.9	27.1		9.2	88.3	0	2.4		
Total %	8.1	5	11.5	1.8	26.5	0	36.3	5.2	0.4	41.9	3.2	0	0.9	1.5	5.7	2.4	22.9	0	0.6	25.9	

	Punahou School Exit Southbound					Wilder Avenue Westbound					Alexander Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	**57**	18	**74**	9	**158**	0	203	17	2	222	13	0	3	10	26	**19**	108	0	2	**129**	**535**
04:15 PM	38	21	53	7	119	0	**222**	21	1	**244**	11	0	4	2	17	10	108	0	2	120	500
04:30 PM	49	**27**	63	6	145	0	185	**31**	2	218	**17**	0	**6**	9	32	14	107	0	1	122	517
04:45 PM	37	18	58	**12**	125	0	177	28	**3**	208	17	0	4	**13**	**34**	13	**109**	0	**3**	125	492
Total Volume	181	84	248	34	547	0	787	97	8	892	58	0	17	34	109	56	432	0	8	496	2044
% App. Total	33.1	15.4	45.3	6.2		0	88.2	10.9	0.9		53.2	0	15.6	31.2		11.3	87.1	0	1.6		
PHF	.794	.778	.838	.708	.866	.000	.886	.782	.667	.914	.853	.000	.708	.654	.801	.737	.991	.000	.667	.961	.955


NORTH
PUNAHOU SCHOOL
STOP
WILDER AVENUE
ALEXANDER STREET
41'-8"
52'-4"
58'-2"
54'-6"
TOW AWAY ZONE
6:30-8:30
3:30-5:30
TOW AWAY ZONE
6:30 - 8:30
3:30 - 5:30
TOW AWAY ZONE
6:30 - 8:30
2:00 - 3:00

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-5677
Counted:JY, JH
Weather:Clear

File Name : WilPun AM
Site Code : 00000043
Start Date : 4/28/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Wilder Avenue Westbound					Punahou Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:30 AM	4	164	17	7	192	25	92	16	0	133	16	55	10	3	84	61	28	7	6	102	511
06:45 AM	4	180	21	1	206	33	124	29	0	186	0	0	0	0	0	63	48	15	1	127	519
Total	8	344	38	8	398	58	216	45	0	319	16	55	10	3	84	124	76	22	7	229	1030
07:00 AM	3	146	29	2	180	27	161	44	19	251	39	166	23	13	241	85	103	31	8	227	899
07:15 AM	8	259	43	0	310	27	157	48	8	240	58	155	20	8	241	89	87	35	5	216	1007
07:30 AM	10	200	34	4	248	42	127	33	12	214	59	162	22	9	252	104	100	21	2	227	941
07:45 AM	5	217	18	1	241	25	130	52	4	211	29	118	26	1	174	100	80	18	0	198	824
Total	26	822	124	7	979	121	575	177	43	916	185	601	91	31	908	378	370	105	15	868	3671
08:00 AM	10	220	40	4	274	35	122	29	7	193	9	118	37	5	169	81	77	19	7	184	820
08:15 AM	5	250	38	2	295	30	95	29	6	160	20	122	26	2	170	61	65	23	16	165	790
Grand Total	49	1636	240	21	1946	244	1008	280	56	1588	230	896	164	41	1331	644	588	169	45	1446	6311
Apprch %	2.5	84.1	12.3	1.1		15.4	63.5	17.6	3.5		17.3	67.3	12.3	3.1		44.5	40.7	11.7	3.1		
Total %	0.8	25.9	3.8	0.3	30.8	3.9	16	4.4	0.9	25.2	3.6	14.2	2.6	0.6	21.1	10.2	9.3	2.7	0.7	22.9	

	Punahou Street Southbound					Wilder Avenue Westbound					Punahou Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	3	146	29	2	180	27	**161**	44	**19**	**251**	39	**166**	23	**13**	241	85	**103**	31	**8**	**227**	899
07:15 AM	8	**259**	**43**	0	**310**	27	157	48	8	240	58	155	20	8	241	89	87	**35**	5	216	**1007**
07:30 AM	**10**	200	34	**4**	248	**42**	127	33	12	214	**59**	162	22	9	**252**	**104**	100	21	2	227	941
07:45 AM	5	217	18	1	241	25	130	**52**	4	211	29	118	**26**	1	174	100	80	18	0	198	824
Total Volume	26	822	124	7	979	121	575	177	43	916	185	601	91	31	908	378	370	105	15	868	3671
% App. Total	2.7	84	12.7	0.7		13.2	62.8	19.3	4.7		20.4	66.2	10	3.4		43.5	42.6	12.1	1.7		
PHF	.650	.793	.721	.438	.790	.720	.893	.851	.566	.912	.784	.905	.875	.596	.901	.909	.898	.750	.469	.956	.911

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-5674
Counted:JY, ME
Weather:Clear

File Name : WilPun MIDDAY
Site Code : 00000043
Start Date : 4/28/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Wilder Avenue Westbound					Punahou Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
11:00 AM	4	112	20	6	142	13	60	17	4	94	13	116	20	1	150	52	39	15	1	107	493
11:15 AM	9	104	10	2	125	26	42	15	2	85	19	135	27	8	189	37	55	16	4	112	511
11:30 AM	6	110	15	0	131	16	41	14	1	72	8	118	34	7	167	37	33	13	1	84	454
11:45 AM	11	98	15	1	125	22	61	27	2	112	9	118	32	0	159	38	38	6	3	85	481
Total	30	424	60	9	523	77	204	73	9	363	49	487	113	16	665	164	165	50	9	388	1939
12:00 PM	11	89	4	4	108	21	43	8	3	75	12	134	18	1	165	36	27	8	5	76	424
12:15 PM	6	98	16	9	129	17	45	22	7	91	4	109	24	4	141	36	40	11	3	90	451
12:30 PM	10	139	9	1	159	32	51	18	3	104	8	127	23	2	160	52	35	14	0	101	524
12:45 PM	6	124	10	6	146	24	54	17	1	96	12	131	24	2	169	49	38	15	4	106	517
Total	33	450	39	20	542	94	193	65	14	366	36	501	89	9	635	173	140	48	12	373	1916
Grand Total	63	874	99	29	1065	171	397	138	23	729	85	988	202	25	1300	337	305	98	21	761	3855
Apprch %	5.9	82.1	9.3	2.7		23.5	54.5	18.9	3.2		6.5	76	15.5	1.9		44.3	40.1	12.9	2.8		
Total %	1.6	22.7	2.6	0.8	27.6	4.4	10.3	3.6	0.6	18.9	2.2	25.6	5.2	0.6	33.7	8.7	7.9	2.5	0.5	19.7	

	Punahou Street Southbound					Wilder Avenue Westbound					Punahou Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	4	**112**	**20**	**6**	**142**	13	60	17	**4**	94	13	116	20	1	150	**52**	39	15	1	107	493
11:15 AM	9	104	10	2	125	**26**	42	15	2	85	**19**	**135**	27	**8**	**189**	37	**55**	**16**	**4**	**112**	**511**
11:30 AM	6	110	15	0	131	16	41	14	1	72	8	118	**34**	7	167	37	33	13	1	84	454
11:45 AM	**11**	98	15	1	125	22	**61**	**27**	2	**112**	9	118	32	0	159	38	38	6	3	85	481
Total Volume	30	424	60	9	523	77	204	73	9	363	49	487	113	16	665	164	165	50	9	388	1939
% App. Total	5.7	81.1	11.5	1.7		21.2	56.2	20.1	2.5		7.4	73.2	17	2.4		42.3	42.5	12.9	2.3		
PHF	.682	.946	.750	.375	.921	.740	.836	.676	.563	.810	.645	.902	.831	.500	.880	.788	.750	.781	.563	.866	.949

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

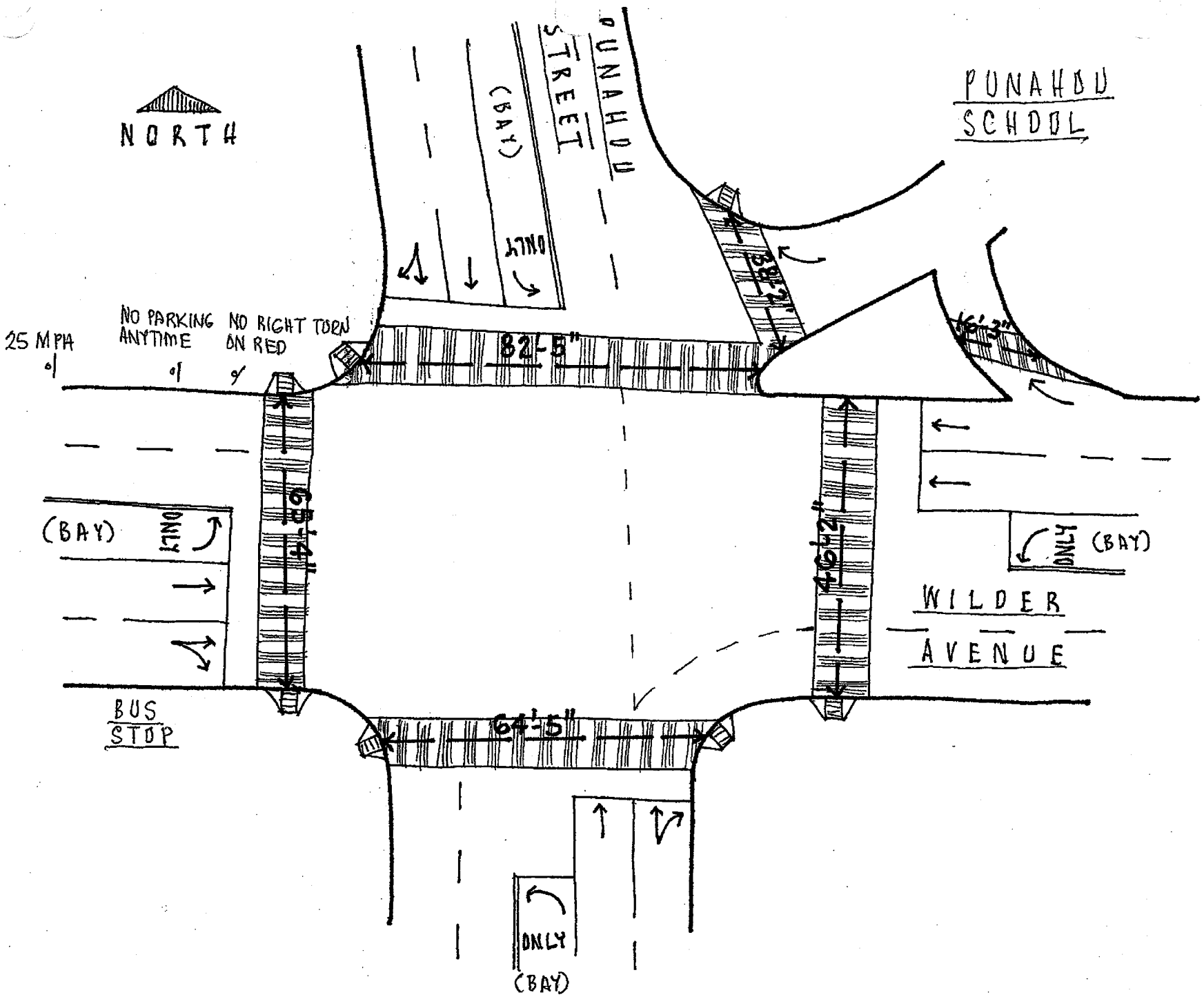
Counter:D4-5676, D4-5677
Counted:JY, ME
Weather:Clear

File Name : WilPun PM
Site Code : 00000043
Start Date : 4/28/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Wilder Avenue Westbound					Punahou Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	13	121	28	1	163	51	140	65	13	269	17	200	37	9	263	75	80	31	1	187	882
04:15 PM	6	109	23	2	140	44	187	40	7	278	19	190	39	1	249	84	82	25	11	202	869
04:30 PM	9	109	34	5	157	60	142	40	16	258	23	206	40	14	283	67	81	32	11	191	889
04:45 PM	4	115	23	2	144	43	161	44	6	254	21	231	45	18	315	84	77	26	9	196	909
Total	32	454	108	10	604	198	630	189	42	1059	80	827	161	42	1110	310	320	114	32	776	3549
05:00 PM	5	136	27	0	168	39	117	34	4	194	11	220	37	8	276	115	73	35	4	227	865
05:15 PM	10	122	34	0	166	48	133	32	1	214	10	188	26	4	228	86	68	29	6	189	797
05:30 PM	3	112	14	0	129	35	105	36	4	180	14	209	29	11	263	57	79	33	5	174	746
05:45 PM	8	118	33	0	159	32	74	20	9	135	4	181	44	9	238	78	68	23	0	169	701
Total	26	488	108	0	622	154	429	122	18	723	39	798	136	32	1005	336	288	120	15	759	3109
Grand Total	58	942	216	10	1226	352	1059	311	60	1782	119	1625	297	74	2115	646	608	234	47	1535	6658
Apprch %	4.7	76.8	17.6	0.8		19.8	59.4	17.5	3.4		5.6	76.8	14	3.5		42.1	39.6	15.2	3.1		
Total %	0.9	14.1	3.2	0.2	18.4	5.3	15.9	4.7	0.9	26.8	1.8	24.4	4.5	1.1	31.8	9.7	9.1	3.5	0.7	23.1	

	Punahou Street Southbound					Wilder Avenue Westbound					Punahou Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	**13**	**121**	28	1	**163**	51	140	**65**	13	269	17	200	37	9	263	75	80	31	1	187	882
04:15 PM	6	109	23	2	140	44	**187**	40	7	**278**	19	190	39	1	249	**84**	**82**	25	**11**	**202**	869
04:30 PM	9	109	**34**	**5**	157	**60**	142	40	**16**	258	**23**	206	40	14	283	67	81	**32**	11	191	889
04:45 PM	4	115	23	2	144	43	161	44	6	254	21	**231**	**45**	**18**	**315**	84	77	26	9	196	**909**
Total Volume	32	454	108	10	604	198	630	189	42	1059	80	827	161	42	1110	310	320	114	32	776	3549
% App. Total	5.3	75.2	17.9	1.7		18.7	59.5	17.8	4		7.2	74.5	14.5	3.8		39.9	41.2	14.7	4.1		
PHF	.615	.938	.794	.500	.926	.825	.842	.727	.656	.952	.870	.895	.894	.583	.881	.923	.976	.891	.727	.960	.976


NORTH
PUNAHOU STREET
(BAY)
ONLY
PUNAHOU SCHOOL
25 MPH
NO PARKING ANYTIME
NO RIGHT TURN ON RED
82'-5"
38'-2"
16'-3"
65'-4"
46'-2"
64'-5"
(BAY)
ONLY
BUS STOP
WILDER AVENUE
ONLY
(BAY)
ONLY
(BAY)

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841
Counted:ZW
Weather:Clear

File Name : WilMak AM
Site Code : 00000044
Start Date : 4/28/2008
Page No : 1

Groups Printed- Unshifted

	Makiki Street Southbound					Wilder Avenue Westbound					Makiki Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:30 AM	10	3	10	5	28	15	62	10	3	90	7	2	3	5	17	0	76	5	3	84	219
06:45 AM	11	6	31	10	58	20	104	9	5	138	6	4	2	7	19	4	113	7	5	129	344
Total	21	9	41	15	86	35	166	19	8	228	13	6	5	12	36	4	189	12	8	213	563
07:00 AM	23	11	29	10	73	32	155	5	11	203	10	8	4	19	41	11	199	6	10	226	543
07:15 AM	19	12	30	16	77	18	164	15	18	215	10	6	8	8	32	25	176	15	4	220	544
07:30 AM	27	6	37	3	73	15	149	14	25	203	8	9	11	8	36	35	133	9	5	182	494
07:45 AM	24	11	32	5	72	20	186	14	12	232	11	1	8	6	26	38	117	10	1	166	496
Total	93	40	128	34	295	85	654	48	66	853	39	24	31	41	135	109	625	40	20	794	2077
08:00 AM	16	5	37	10	68	21	148	10	15	194	10	3	4	10	27	7	112	9	19	147	436
08:15 AM	15	5	16	7	43	14	111	3	4	132	13	2	5	8	28	7	98	6	2	113	316
Grand Total	145	59	222	66	492	155	1079	80	93	1407	75	35	45	71	226	127	1024	67	49	1267	3392
Apprch %	29.5	12	45.1	13.4		11	76.7	5.7	6.6		33.2	15.5	19.9	31.4		10	80.8	5.3	3.9		
Total %	4.3	1.7	6.5	1.9	14.5	4.6	31.8	2.4	2.7	41.5	2.2	1	1.3	2.1	6.7	3.7	30.2	2	1.4	37.4	

	Makiki Street Southbound					Wilder Avenue Westbound					Makiki Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	23	11	29	10	73	**32**	155	5	11	203	10	8	4	**19**	**41**	11	**199**	6	**10**	**226**	543
07:15 AM	19	**12**	30	**16**	**77**	18	164	**15**	18	215	10	6	8	8	32	25	176	**15**	4	220	**544**
07:30 AM	**27**	6	**37**	3	73	15	149	14	**25**	203	8	**9**	**11**	8	36	35	133	9	5	182	494
07:45 AM	24	11	32	5	72	20	**186**	14	12	**232**	**11**	1	8	6	26	**38**	117	10	1	166	496
Total Volume	93	40	128	34	295	85	654	48	66	853	39	24	31	41	135	109	625	40	20	794	2077
% App. Total	31.5	13.6	43.4	11.5		10	76.7	5.6	7.7		28.9	17.8	23	30.4		13.7	78.7	5	2.5		
PHF	.861	.833	.865	.531	.958	.664	.879	.800	.660	.919	.886	.667	.705	.539	.823	.717	.785	.667	.500	.878	.955

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5674
Counted:ER, TO
Weather:Clear

File Name : WilMak MIDDAY
Site Code : 00000044
Start Date : 4/28/2008
Page No : 1

Groups Printed- Unshifted

	Makiki Street Southbound					Wilder Avenue Westbound					Makiki Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
11:00 AM	14	3	10	2	29	8	57	3	2	70	6	0	14	2	22	13	85	16	1	115	236
11:15 AM	21	4	12	0	37	6	72	6	3	87	5	3	4	7	19	5	92	11	2	110	253
11:30 AM	12	1	16	3	32	10	81	4	4	99	4	2	4	18	28	11	63	13	6	93	252
11:45 AM	7	1	19	0	27	11	65	10	6	92	2	2	9	2	15	9	71	11	0	91	225
Total	54	9	57	5	125	35	275	23	15	348	17	7	31	29	84	38	311	51	9	409	966
12:00 PM	10	0	3	0	13	11	60	0	2	73	6	2	6	0	14	8	59	7	0	74	174
12:15 PM	7	0	7	2	16	8	67	3	1	79	2	2	6	4	14	7	89	14	2	112	221
12:30 PM	12	3	11	2	28	10	60	11	10	91	6	0	2	3	11	11	77	8	3	99	229
12:45 PM	11	4	10	6	31	13	68	5	0	86	6	0	9	7	22	3	82	6	6	97	236
Total	40	7	31	10	88	42	255	19	13	329	20	4	23	14	61	29	307	35	11	382	860
Grand Total	94	16	88	15	213	77	530	42	28	677	37	11	54	43	145	67	618	86	20	791	1826
Apprch %	44.1	7.5	41.3	7		11.4	78.3	6.2	4.1		25.5	7.6	37.2	29.7		8.5	78.1	10.9	2.5		
Total %	5.1	0.9	4.8	0.8	11.7	4.2	29	2.3	1.5	37.1	2	0.6	3	2.4	7.9	3.7	33.8	4.7	1.1	43.3	

	Makiki Street Southbound					Wilder Avenue Westbound					Makiki Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	14	3	10	2	29	8	57	3	2	70	6	0	14	2	22	13	85	16	1	115	236
11:15 AM	21	4	12	0	37	6	72	6	3	87	5	3	4	7	19	5	92	11	2	110	253
11:30 AM	12	1	16	3	32	10	81	4	4	99	4	2	4	18	28	11	63	13	6	93	252
11:45 AM	7	1	19	0	27	11	65	10	6	92	2	2	9	2	15	9	71	11	0	91	225
Total Volume	54	9	57	5	125	35	275	23	15	348	17	7	31	29	84	38	311	51	9	409	966
% App. Total	43.2	7.2	45.6	4		10.1	79	6.6	4.3		20.2	8.3	36.9	34.5		9.3	76	12.5	2.2		
PHF	.643	.563	.750	.417	.845	.795	.849	.575	.625	.879	.708	.583	.554	.403	.750	.731	.845	.797	.375	.889	.955

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

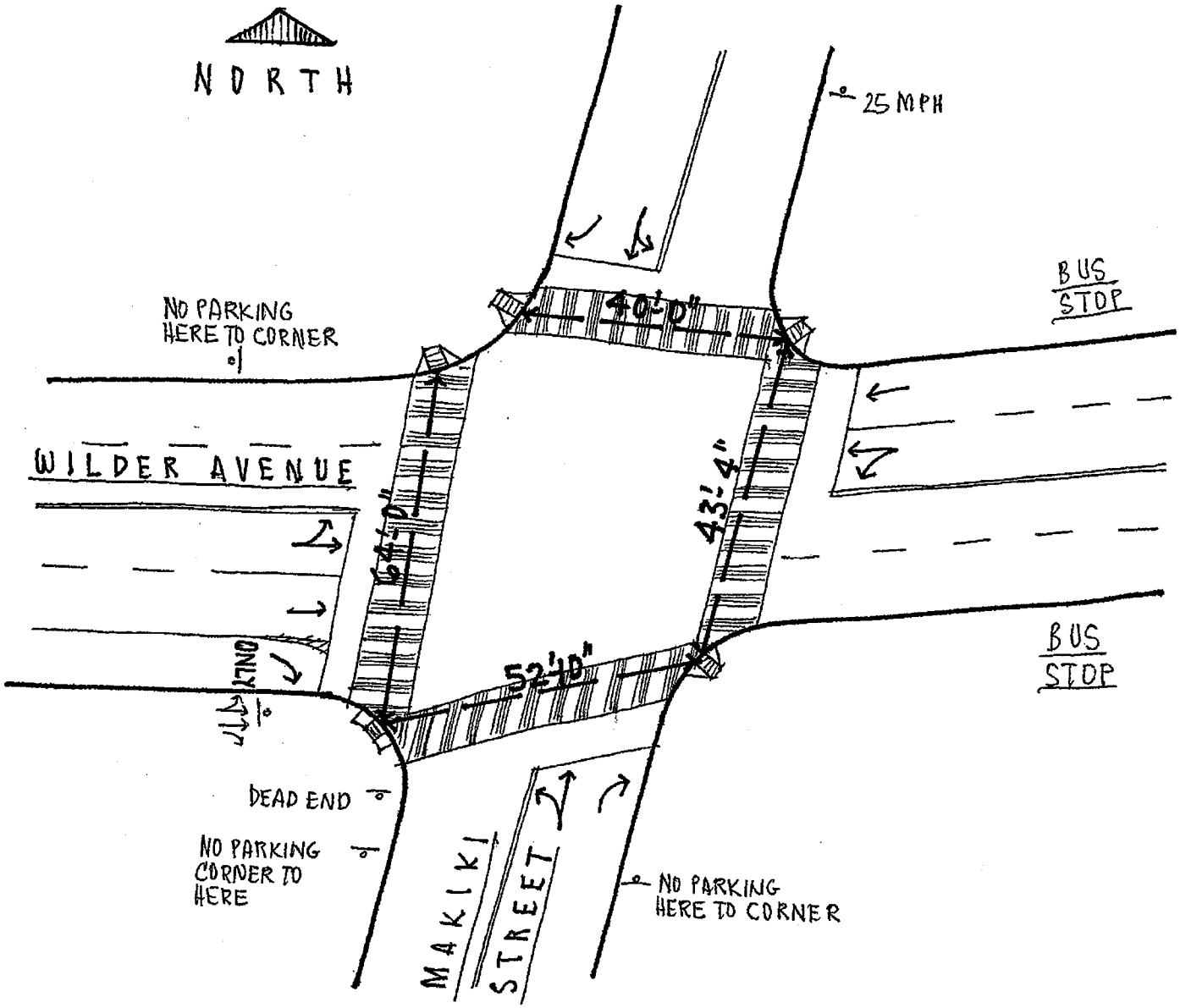
Counter:T-1841, D4-5674
Counted:ER, TO
Weather:Clear

File Name : WilMak PM
Site Code : 00000044
Start Date : 4/28/2008
Page No : 1

Groups Printed- Unshifted

	Makiki Street Southbound					Wilder Avenue Westbound					Makiki Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	10	1	16	2	29	9	160	9	7	185	8	0	10	10	28	13	161	17	5	196	438
04:15 PM	10	6	29	6	51	19	148	13	1	181	8	0	5	4	17	12	162	19	4	197	446
04:30 PM	13	4	16	2	35	23	127	11	17	178	7	1	11	10	29	8	156	12	4	180	422
04:45 PM	13	7	11	6	37	22	120	18	12	172	3	2	4	11	20	12	165	15	10	202	431
Total	46	18	72	16	152	73	555	51	37	716	26	3	30	35	94	45	644	63	23	775	1737
05:00 PM	12	3	20	4	39	15	103	11	15	144	10	2	8	4	24	20	191	12	5	228	435
05:15 PM	10	5	16	11	42	21	94	9	8	132	5	1	7	7	20	5	165	13	3	186	380
05:30 PM	11	8	17	7	43	29	99	10	9	147	7	5	5	9	26	10	146	18	7	181	397
05:45 PM	16	9	17	6	48	21	73	5	7	106	7	4	2	2	15	8	137	15	6	166	335
Total	49	25	70	28	172	86	369	35	39	529	29	12	22	22	85	43	639	58	21	761	1547
Grand Total	95	43	142	44	324	159	924	86	76	1245	55	15	52	57	179	88	1283	121	44	1536	3284
Apprch %	29.3	13.3	43.8	13.6		12.8	74.2	6.9	6.1		30.7	8.4	29.1	31.8		5.7	83.5	7.9	2.9		
Total %	2.9	1.3	4.3	1.3	9.9	4.8	28.1	2.6	2.3	37.9	1.7	0.5	1.6	1.7	5.5	2.7	39.1	3.7	1.3	46.8	

	Makiki Street Southbound					Wilder Avenue Westbound					Makiki Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	10	1	16	2	29	9	**160**	9	7	**185**	**8**	0	10	10	28	**13**	**161**	17	5	196	438
04:15 PM	10	6	**29**	**6**	**51**	19	148	13	1	181	8	0	5	4	17	12	162	**19**	4	197	**446**
04:30 PM	**13**	4	16	2	35	**23**	127	11	**17**	178	7	1	**11**	10	**29**	8	156	12	4	180	422
04:45 PM	13	**7**	11	6	37	22	120	**18**	12	172	3	**2**	4	**11**	20	12	**165**	15	**10**	**202**	431
Total Volume	46	18	72	16	152	73	555	51	37	716	26	3	30	35	94	45	644	63	23	775	1737
% App. Total	30.3	11.8	47.4	10.5		10.2	77.5	7.1	5.2		27.7	3.2	31.9	37.2		5.8	83.1	8.1	3		
PHF	.885	.643	.621	.667	.745	.793	.867	.708	.544	.968	.813	.375	.682	.795	.810	.865	.976	.829	.575	.959	.974


NORTH
25 MPH
BUS STOP
BUS STOP
NO PARKING HERE TO CORNER
40'-0"
WILDER AVENUE
64'-0"
43'-4"
ONLY
52'-0"
DEAD END
NO PARKING CORNER TO HERE
MAKIKI STREET
NO PARKING HERE TO CORNER

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5674
Counted:ER, RB
Weather:Clear

File Name : WilKee AM
Site Code : 00000045
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Wilder Street Westbound					Keeaumoku Street Northbound					Wilder Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:30 AM	3	46	7	8	64	5	48	39	1	93	39	22	10	7	78	22	29	3	1	55	290
06:45 AM	2	54	6	10	72	2	49	57	11	119	63	30	18	7	118	42	68	5	2	117	426
Total	5	100	13	18	136	7	97	96	12	212	102	52	28	14	196	64	97	8	3	172	716
07:00 AM	3	47	2	17	69	10	96	77	22	205	83	62	20	18	183	55	112	10	1	178	635
07:15 AM	6	110	3	9	128	4	89	84	13	190	80	70	39	11	200	68	113	24	3	208	726
07:30 AM	9	105	3	11	128	8	123	93	15	239	70	93	34	17	214	77	88	18	0	183	764
07:45 AM	10	80	1	7	98	3	116	84	11	214	56	52	28	14	150	50	66	7	1	124	586
Total	28	342	9	44	423	25	424	338	61	848	289	277	121	60	747	250	379	59	5	693	2711
08:00 AM	4	60	3	13	80	6	83	52	15	156	40	39	20	13	112	46	84	5	5	140	488
08:15 AM	4	74	5	6	89	15	54	54	17	140	34	26	13	10	83	48	82	3	8	141	453
Grand Total	41	576	30	81	728	53	658	540	105	1356	465	394	182	97	1138	408	642	75	21	1146	4368
Apprch %	5.6	79.1	4.1	11.1		3.9	48.5	39.8	7.7		40.9	34.6	16	8.5		35.6	56	6.5	1.8		
Total %	0.9	13.2	0.7	1.9	16.7	1.2	15.1	12.4	2.4	31	10.6	9	4.2	2.2	26.1	9.3	14.7	1.7	0.5	26.2	

	Keeaumoku Street Southbound					Wilder Street Westbound					Keeaumoku Street Northbound					Wilder Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	3	47	2	**17**	69	**10**	96	77	**22**	205	**83**	62	20	**18**	183	55	112	10	1	178	635
07:15 AM	6	**110**	**3**	9	**128**	4	89	84	13	190	80	70	**39**	11	200	68	**113**	**24**	**3**	**208**	726
07:30 AM	9	105	3	11	128	8	**123**	**93**	15	**239**	70	**93**	34	17	**214**	**77**	88	18	0	183	**764**
07:45 AM	**10**	80	1	7	98	3	116	84	11	214	56	52	28	14	150	50	66	7	1	124	586
Total Volume	28	342	9	44	423	25	424	338	61	848	289	277	121	60	747	250	379	59	5	693	2711
% App. Total	6.6	80.9	2.1	10.4		2.9	50	39.9	7.2		38.7	37.1	16.2	8		36.1	54.7	8.5	0.7		
PHF	.700	.777	.750	.647	.826	.625	.862	.909	.693	.887	.870	.745	.776	.833	.873	.812	.838	.615	.417	.833	.887

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5674
Counted:ER, KK
Weather:Clear

File Name : WilKee Midday
Site Code : 00000045
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Wilder Street Westbound					Keeaumoku Street Northbound					Wilder Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
11:00 AM	3	35	2	5	45	4	27	35	7	73	51	26	33	4	114	39	39	3	4	85	317
11:15 AM	2	40	1	1	44	4	31	28	5	68	56	49	24	5	134	43	41	5	2	91	337
11:30 AM	11	47	2	6	66	3	40	33	7	83	48	40	34	6	128	22	38	7	3	70	347
11:45 AM	2	36	2	8	48	5	45	39	11	100	41	36	36	9	122	36	55	5	2	98	368
Total	18	158	7	20	203	16	143	135	30	324	196	151	127	24	498	140	173	20	11	344	1369
12:00 PM	3	42	6	11	62	6	31	31	9	77	41	46	43	19	149	51	35	4	2	92	380
12:15 PM	5	43	4	2	54	6	37	36	1	80	57	49	31	23	160	28	30	5	2	65	359
12:30 PM	3	35	2	2	42	10	45	33	7	95	48	38	36	12	134	43	42	4	1	90	361
12:45 PM	6	51	4	7	68	6	43	28	2	79	53	43	34	15	145	40	39	7	4	90	382
Total	17	171	16	22	226	28	156	128	19	331	199	176	144	69	588	162	146	20	9	337	1482
Grand Total	35	329	23	42	429	44	299	263	49	655	395	327	271	93	1086	302	319	40	20	681	2851
Apprch %	8.2	76.7	5.4	9.8		6.7	45.6	40.2	7.5		36.4	30.1	25	8.6		44.3	46.8	5.9	2.9		
Total %	1.2	11.5	0.8	1.5	15	1.5	10.5	9.2	1.7	23	13.9	11.5	9.5	3.3	38.1	10.6	11.2	1.4	0.7	23.9	

	Keeaumoku Street Southbound					Wilder Street Westbound					Keeaumoku Street Northbound					Wilder Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	3	42	**6**	**11**	62	6	31	31	**9**	77	41	46	**43**	19	149	**51**	35	4	2	**92**	380
12:15 PM	5	43	4	2	54	6	37	**36**	1	80	**57**	**49**	31	**23**	**160**	28	30	5	2	65	359
12:30 PM	3	35	2	2	42	**10**	**45**	33	7	**95**	48	38	36	12	134	43	**42**	4	1	90	361
12:45 PM	**6**	**51**	4	7	**68**	6	43	28	2	79	53	43	34	15	145	40	39	**7**	**4**	90	**382**
Total Volume	17	171	16	22	226	28	156	128	19	331	199	176	144	69	588	162	146	20	9	337	1482
% App. Total	7.5	75.7	7.1	9.7		8.5	47.1	38.7	5.7		33.8	29.9	24.5	11.7		48.1	43.3	5.9	2.7		
PHF	.708	.838	.667	.500	.831	.700	.867	.889	.528	.871	.873	.898	.837	.750	.919	.794	.869	.714	.563	.916	.970

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

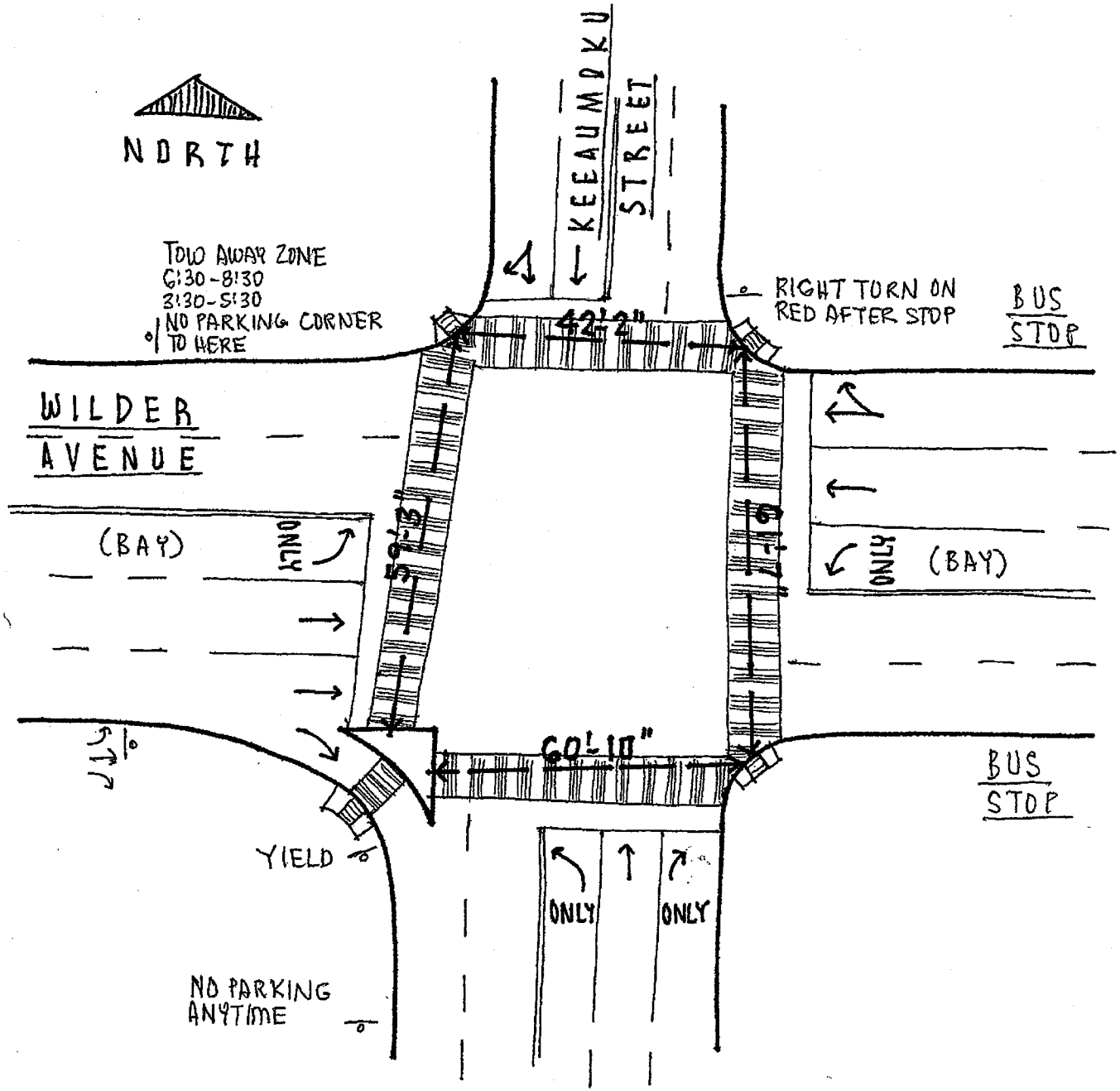
Counter:T-1839, D4-5674
Counted:ER, RB
Weather:Clear

File Name : WilKee PM
Site Code : 00000045
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Wilder Street Westbound					Keeaumoku Street Northbound					Wilder Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	4	42	2	7	55	8	130	44	6	188	131	111	70	16	328	38	72	6	5	121	692
04:15 PM	4	42	4	6	56	10	103	64	9	186	122	116	82	13	333	44	62	3	2	111	686
04:30 PM	5	41	2	8	56	8	118	46	15	187	133	124	85	11	353	45	68	3	1	117	713
04:45 PM	5	51	4	13	73	8	133	37	12	190	133	118	74	18	343	45	61	5	3	114	720
Total	18	176	12	34	240	34	484	191	42	751	519	469	311	58	1357	172	263	17	11	463	2811
05:00 PM	4	59	8	4	75	6	79	30	10	125	111	116	78	16	321	54	78	7	0	139	660
05:15 PM	12	52	6	9	79	12	84	41	10	147	123	111	68	13	315	67	70	12	3	152	693
05:30 PM	6	60	3	12	81	8	66	31	13	118	112	112	83	15	322	49	57	6	5	117	638
05:45 PM	5	36	4	4	49	6	57	54	15	132	87	113	82	32	314	46	63	7	4	120	615
Total	27	207	21	29	284	32	286	156	48	522	433	452	311	76	1272	216	268	32	12	528	2606
Grand Total	45	383	33	63	524	66	770	347	90	1273	952	921	622	134	2629	388	531	49	23	991	5417
Apprch %	8.6	73.1	6.3	12		5.2	60.5	27.3	7.1		36.2	35	23.7	5.1		39.2	53.6	4.9	2.3		
Total %	0.8	7.1	0.6	1.2	9.7	1.2	14.2	6.4	1.7	23.5	17.6	17	11.5	2.5	48.5	7.2	9.8	0.9	0.4	18.3	

	Keeaumoku Street Southbound					Wilder Street Westbound					Keeaumoku Street Northbound					Wilder Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	4	42	2	7	55	8	130	44	6	188	131	111	70	16	328	38	72	6	5	121	692
04:15 PM	4	42	4	6	56	10	103	64	9	186	122	116	82	13	333	44	62	3	2	111	686
04:30 PM	5	41	2	8	56	8	118	46	15	187	133	124	85	11	353	45	68	3	1	117	713
04:45 PM	5	51	4	13	73	8	133	37	12	190	133	118	74	18	343	45	61	5	3	114	720
Total Volume	18	176	12	34	240	34	484	191	42	751	519	469	311	58	1357	172	263	17	11	463	2811
% App. Total	7.5	73.3	5	14.2		4.5	64.4	25.4	5.6		38.2	34.6	22.9	4.3		37.1	56.8	3.7	2.4		
PHF	.900	.863	.750	.654	.822	.850	.910	.746	.700	.988	.976	.946	.915	.806	.961	.956	.913	.708	.550	.957	.976


NORTH
KEEAUMOKU STREET
TOW AWAY ZONE
6:30-8:30
3:30-5:30
NO PARKING CORNER TO HERE
42'-2"
RIGHT TURN ON RED AFTER STOP
BUS STOP
WILDER AVENUE
(BAY)
ONLY
59'-3"
69'-7"
ONLY
(BAY)
60'-10"
BUS STOP
YIELD
ONLY
ONLY
NO PARKING ANYTIME

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5675
Counted:JM, JH
Weather:Clear

File Name : WilKew AM
Site Code : 00000046
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Kewalo Street Southbound					Wilder Avenue Westbound					Kewalo Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:30 AM	16	2	8	5	31	2	50	0	10	62	9	0	3	12	24	7	67	3	8	85	202
06:45 AM	12	5	8	9	34	2	70	1	1	74	10	5	4	12	31	5	88	2	6	101	240
Total	28	7	16	14	65	4	120	1	11	136	19	5	7	24	55	12	155	5	14	186	442
07:00 AM	16	2	6	6	30	3	99	5	2	109	20	6	5	17	48	6	156	3	5	170	357
07:15 AM	20	9	16	4	49	7	121	6	7	141	18	11	10	19	58	5	159	10	14	188	436
07:30 AM	29	5	10	4	48	5	154	4	10	173	14	11	10	17	52	8	131	4	7	150	423
07:45 AM	29	11	9	3	52	7	148	2	2	159	10	8	6	18	42	13	97	8	6	124	377
Total	94	27	41	17	179	22	522	17	21	582	62	36	31	71	200	32	543	25	32	632	1593
08:00 AM	17	6	12	0	35	6	90	4	0	100	9	2	4	7	22	10	115	7	4	136	293
08:15 AM	11	3	11	2	27	2	69	4	1	76	15	3	0	10	28	4	86	3	9	102	233
Grand Total	150	43	80	33	306	34	801	26	33	894	105	46	42	112	305	58	899	40	59	1056	2561
Apprch %	49	14.1	26.1	10.8		3.8	89.6	2.9	3.7		34.4	15.1	13.8	36.7		5.5	85.1	3.8	5.6		
Total %	5.9	1.7	3.1	1.3	11.9	1.3	31.3	1	1.3	34.9	4.1	1.8	1.6	4.4	11.9	2.3	35.1	1.6	2.3	41.2	

	Kewalo Street Southbound					Wilder Avenue Westbound					Kewalo Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	16	2	6	**6**	30	3	99	5	2	109	**20**	6	5	17	48	6	156	3	5	170	357
07:15 AM	20	9	**16**	4	49	**7**	121	**6**	7	141	18	**11**	**10**	**19**	**58**	5	**159**	**10**	**14**	**188**	**436**
07:30 AM	**29**	5	10	4	48	5	**154**	4	**10**	**173**	14	11	10	17	52	8	131	4	7	150	423
07:45 AM	29	**11**	9	3	**52**	7	148	2	2	159	10	8	6	18	42	**13**	97	8	6	124	377
Total Volume	94	27	41	17	179	22	522	17	21	582	62	36	31	71	200	32	543	25	32	632	1593
% App. Total	52.5	15.1	22.9	9.5		3.8	89.7	2.9	3.6		31	18	15.5	35.5		5.1	85.9	4	5.1		
PHF	.810	.614	.641	.708	.861	.786	.847	.708	.525	.841	.775	.818	.775	.934	.862	.615	.854	.625	.571	.840	.913

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5675
Counted:JM, MB
Weather:Clear

File Name : WilKew Midday
Site Code : 00000046
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Kewalo Street Southbound					Wilder Avenue Westbound					Kewalo Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
11:00 AM	11	3	4	5	23	6	51	1	1	59	14	8	6	2	30	3	60	5	7	75	187
11:15 AM	3	5	3	0	11	3	60	5	0	68	14	2	0	15	31	7	64	7	2	80	190
11:30 AM	7	1	7	4	19	7	66	2	9	84	7	1	1	11	20	14	40	4	8	66	189
11:45 AM	13	6	8	5	32	6	65	5	4	80	16	2	2	17	37	3	52	5	7	67	216
Total	34	15	22	14	85	22	242	13	14	291	51	13	9	45	118	27	216	21	24	288	782
12:00 PM	17	4	10	10	41	6	64	2	7	79	21	2	3	17	43	13	49	8	5	75	238
12:15 PM	13	3	2	3	21	4	65	6	2	77	13	2	0	18	33	13	50	5	2	70	201
12:30 PM	5	4	3	2	14	6	73	3	4	86	15	3	1	20	39	7	70	9	3	89	228
12:45 PM	4	1	5	1	11	6	63	3	2	74	19	6	7	14	46	7	65	7	4	83	214
Total	39	12	20	16	87	22	265	14	15	316	68	13	11	69	161	40	234	29	14	317	881
Grand Total	73	27	42	30	172	44	507	27	29	607	119	26	20	114	279	67	450	50	38	605	1663
Apprch %	42.4	15.7	24.4	17.4		7.2	83.5	4.4	4.8		42.7	9.3	7.2	40.9		11.1	74.4	8.3	6.3		
Total %	4.4	1.6	2.5	1.8	10.3	2.6	30.5	1.6	1.7	36.5	7.2	1.6	1.2	6.9	16.8	4	27.1	3	2.3	36.4	

	Kewalo Street Southbound					Wilder Avenue Westbound					Kewalo Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	13	**6**	8	5	32	**6**	65	5	4	80	16	2	2	17	37	3	52	5	**7**	67	216
12:00 PM	**17**	4	**10**	**10**	**41**	6	64	2	**7**	79	**21**	2	**3**	17	**43**	**13**	49	8	5	75	**238**
12:15 PM	13	3	2	3	21	4	65	**6**	2	77	13	2	0	18	33	13	50	5	2	70	201
12:30 PM	5	4	3	2	14	6	**73**	3	4	**86**	15	**3**	1	**20**	39	7	**70**	**9**	3	**89**	228
Total Volume	48	17	23	20	108	22	267	16	17	322	65	9	6	72	152	36	221	27	17	301	883
% App. Total	44.4	15.7	21.3	18.5		6.8	82.9	5	5.3		42.8	5.9	3.9	47.4		12	73.4	9	5.6		
PHF	.706	.708	.575	.500	.659	.917	.914	.667	.607	.936	.774	.750	.500	.900	.884	.692	.789	.750	.607	.846	.928

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

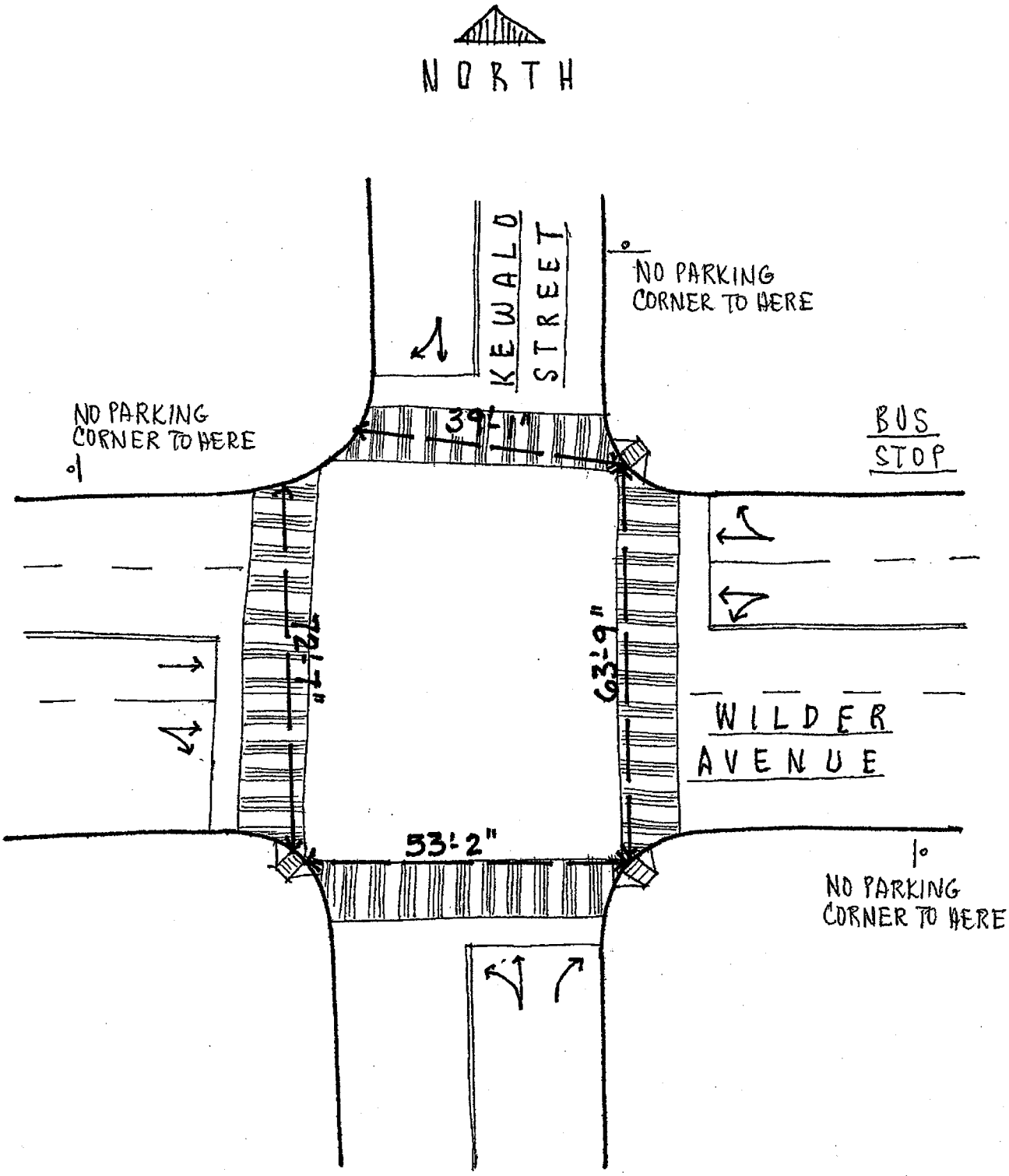
Counter:D4-3888, D4-5675
Counted:JM, MB
Weather:Clear

File Name : WilKew PM
Site Code : 00000046
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Kewalo Street Southbound					Wilder Avenue Westbound					Kewalo Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	6	3	5	4	18	9	119	2	3	133	7	2	2	12	23	9	104	9	2	124	298
04:15 PM	12	0	4	6	22	11	161	4	5	181	11	3	4	33	51	7	103	16	21	147	401
04:30 PM	9	6	7	12	34	7	168	4	18	197	15	3	4	35	57	5	88	10	13	116	404
04:45 PM	6	1	9	7	23	4	210	6	12	232	14	5	6	30	55	19	88	11	20	138	448
Total	33	10	25	29	97	31	658	16	38	743	47	13	16	110	186	40	383	46	56	525	1551
05:00 PM	11	0	7	3	21	9	148	5	5	167	21	4	1	22	48	11	114	9	6	140	376
05:15 PM	7	4	5	10	26	13	146	5	6	170	22	5	4	15	46	12	103	7	10	132	374
05:30 PM	12	6	4	6	28	11	133	4	8	156	16	5	2	24	47	20	97	9	10	136	367
05:45 PM	12	2	7	9	30	12	117	7	13	149	15	4	6	22	47	18	97	9	6	130	356
Total	42	12	23	28	105	45	544	21	32	642	74	18	13	83	188	61	411	34	32	538	1473
Grand Total	75	22	48	57	202	76	1202	37	70	1385	121	31	29	193	374	101	794	80	88	1063	3024
Apprch %	37.1	10.9	23.8	28.2		5.5	86.8	2.7	5.1		32.4	8.3	7.8	51.6		9.5	74.7	7.5	8.3		
Total %	2.5	0.7	1.6	1.9	6.7	2.5	39.7	1.2	2.3	45.8	4	1	1	6.4	12.4	3.3	26.3	2.6	2.9	35.2	

	Kewalo Street Southbound					Wilder Avenue Westbound					Kewalo Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	**12**	0	4	6	22	**11**	161	4	5	181	11	3	4	33	51	7	103	**16**	**21**	**147**	401
04:30 PM	9	**6**	7	**12**	**34**	7	168	4	**18**	197	15	3	4	**35**	**57**	5	88	10	13	116	404
04:45 PM	6	1	**9**	7	23	4	**210**	**6**	12	**232**	14	**5**	**6**	30	55	**19**	88	11	20	138	**448**
05:00 PM	11	0	7	3	21	9	148	5	5	167	**21**	4	1	22	48	11	**114**	9	6	140	376
Total Volume	38	7	27	28	100	31	687	19	40	777	61	15	15	120	211	42	393	46	60	541	1629
% App. Total	38	7	27	28		4	88.4	2.4	5.1		28.9	7.1	7.1	56.9		7.8	72.6	8.5	11.1		
PHF	.792	.292	.750	.583	.735	.705	.818	.792	.556	.837	.726	.750	.625	.857	.925	.553	.862	.719	.714	.920	.909


NORTH
KEWALO STREET
NO PARKING CORNER TO HERE
NO PARKING CORNER TO HERE
BUS STOP
39'-11"
72'-7"
63'-9"
WILDER AVENUE
53'-2"
NO PARKING CORNER TO HERE

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D$-3890, D4-5671
Counted:DY, JY
Weather:Clear

File Name : WilLih AM
Site Code : 00000047
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Liholiho Street Southbound					Wilder Avenue Westbound					Liholiho Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:30 AM	13	3	5	8	29	2	65	2	2	71	10	0	4	4	18	4	54	4	8	70	188
06:45 AM	21	2	1	6	30	2	84	2	9	97	5	0	2	6	13	5	101	2	3	111	251
Total	34	5	6	14	59	4	149	4	11	168	15	0	6	10	31	9	155	6	11	181	439
07:00 AM	18	4	6	5	33	1	131	1	1	134	7	0	2	3	12	5	147	3	6	161	340
07:15 AM	29	4	9	16	58	0	169	2	8	179	6	2	4	14	26	4	175	4	10	193	456
07:30 AM	23	4	6	12	45	2	192	2	4	200	10	1	4	7	22	8	139	8	17	172	439
07:45 AM	12	5	6	14	37	0	199	4	14	217	3	0	7	12	22	10	117	9	11	147	423
Total	82	17	27	47	173	3	691	9	27	730	26	3	17	36	82	27	578	24	44	673	1658
08:00 AM	17	3	12	7	39	1	112	2	5	120	5	0	1	6	12	17	104	11	6	138	309
08:15 AM	11	2	4	2	19	1	89	1	5	96	7	0	1	4	12	5	101	10	3	119	246
Grand Total	144	27	49	70	290	9	1041	16	48	1114	53	3	25	56	137	58	938	51	64	1111	2652
Apprch %	49.7	9.3	16.9	24.1		0.8	93.4	1.4	4.3		38.7	2.2	18.2	40.9		5.2	84.4	4.6	5.8		
Total %	5.4	1	1.8	2.6	10.9	0.3	39.3	0.6	1.8	42	2	0.1	0.9	2.1	5.2	2.2	35.4	1.9	2.4	41.9	

	Liholiho Street Southbound					Wilder Avenue Westbound					Liholiho Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	18	4	6	5	33	1	131	1	1	134	7	0	2	3	12	5	147	3	6	161	340
07:15 AM	29	4	9	16	58	0	169	2	8	179	6	2	4	14	26	4	175	4	10	193	456
07:30 AM	23	4	6	12	45	2	192	2	4	200	10	1	4	7	22	8	139	8	17	172	439
07:45 AM	12	5	6	14	37	0	199	4	14	217	3	0	7	12	22	10	117	9	11	147	423
Total Volume	82	17	27	47	173	3	691	9	27	730	26	3	17	36	82	27	578	24	44	673	1658
% App. Total	47.4	9.8	15.6	27.2		0.4	94.7	1.2	3.7		31.7	3.7	20.7	43.9		4	85.9	3.6	6.5		
PHF	.707	.850	.750	.734	.746	.375	.868	.563	.482	.841	.650	.375	.607	.643	.788	.675	.826	.667	.647	.872	.909

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5671
Counted:JY, DY
Weather:Clear

File Name : WilLih Midday
Site Code : 00000047
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Liholiho Street Southbound					Wilder Avenue Westbound					Liholiho Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
11:00 AM	8	0	7	2	17	4	57	1	3	65	10	6	2	3	21	5	62	9	2	78	181
11:15 AM	8	0	5	2	15	1	61	1	7	70	18	3	7	0	28	4	63	10	4	81	194
11:30 AM	11	5	4	2	22	7	59	3	7	76	9	2	5	3	19	5	51	5	2	63	180
11:45 AM	4	0	3	3	10	1	65	6	10	82	11	2	11	6	30	2	61	10	4	77	199
Total	31	5	19	9	64	13	242	11	27	293	48	13	25	12	98	16	237	34	12	299	754
12:00 PM	7	1	4	2	14	4	72	4	7	87	14	5	11	11	41	6	58	11	2	77	219
12:15 PM	7	1	4	3	15	2	62	2	5	71	17	6	10	5	38	6	70	8	0	84	208
12:30 PM	6	2	6	2	16	4	67	2	0	73	21	4	12	1	38	4	68	8	2	82	209
12:45 PM	7	1	6	2	16	8	60	3	4	75	7	3	12	14	36	7	72	6	2	87	214
Total	27	5	20	9	61	18	261	11	16	306	59	18	45	31	153	23	268	33	6	330	850
Grand Total	58	10	39	18	125	31	503	22	43	599	107	31	70	43	251	39	505	67	18	629	1604
Apprch %	46.4	8	31.2	14.4		5.2	84	3.7	7.2		42.6	12.4	27.9	17.1		6.2	80.3	10.7	2.9		
Total %	3.6	0.6	2.4	1.1	7.8	1.9	31.4	1.4	2.7	37.3	6.7	1.9	4.4	2.7	15.6	2.4	31.5	4.2	1.1	39.2	

	Liholiho Street Southbound					Wilder Avenue Westbound					Liholiho Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	7	1	4	2	14	4	72	4	7	87	14	5	11	11	41	6	58	11	2	77	219
12:15 PM	7	1	4	3	15	2	62	2	5	71	17	6	10	5	38	6	70	8	0	84	208
12:30 PM	6	2	6	2	16	4	67	2	0	73	21	4	12	1	38	4	68	8	2	82	209
12:45 PM	7	1	6	2	16	8	60	3	4	75	7	3	12	14	36	7	72	6	2	87	214
Total Volume	27	5	20	9	61	18	261	11	16	306	59	18	45	31	153	23	268	33	6	330	850
% App. Total	44.3	8.2	32.8	14.8		5.9	85.3	3.6	5.2		38.6	11.8	29.4	20.3		7	81.2	10	1.8		
PHF	.964	.625	.833	.750	.953	.563	.906	.688	.571	.879	.702	.750	.938	.554	.933	.821	.931	.750	.750	.948	.970

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

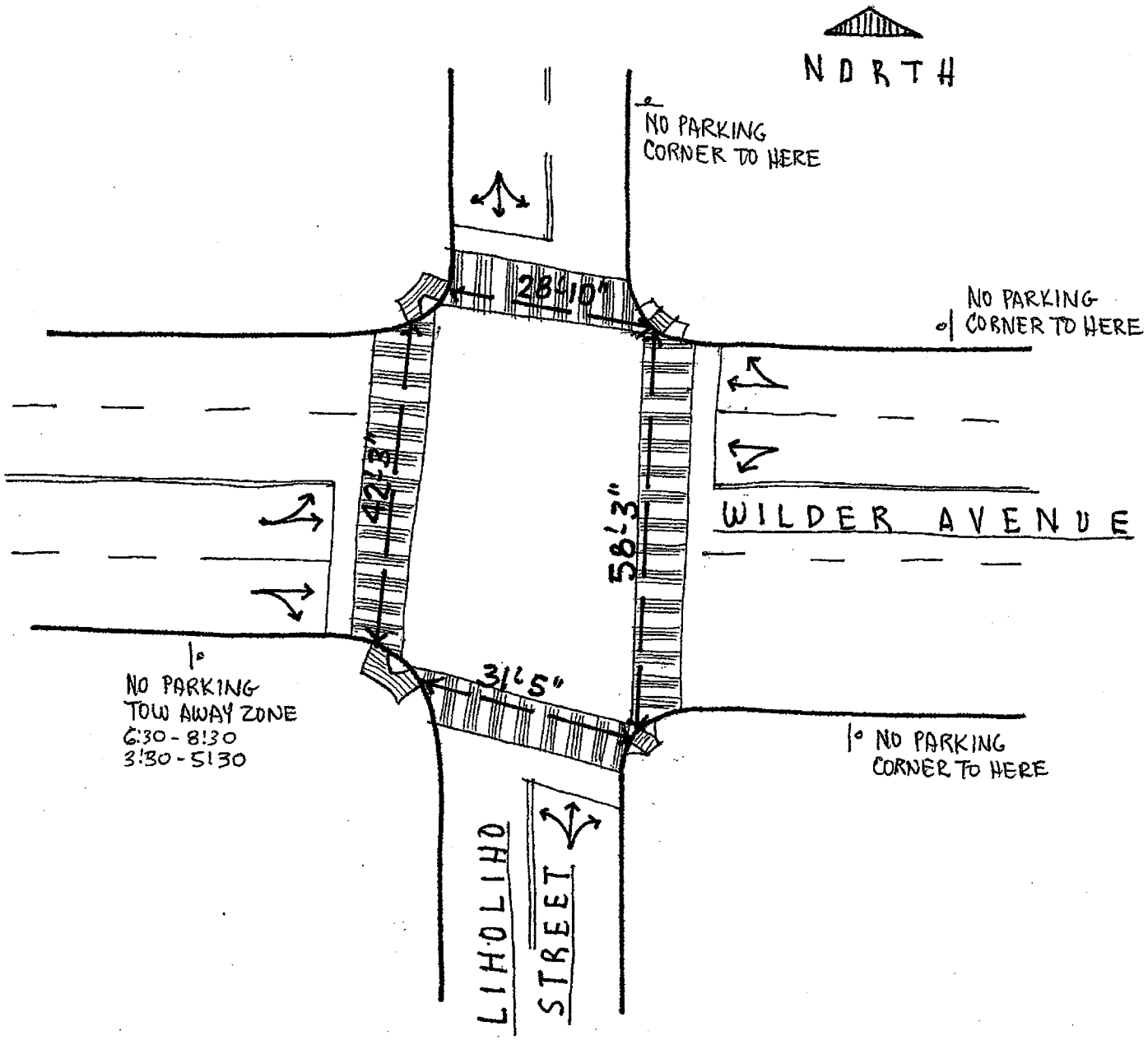
Counter:D4-3890, D4-5671
Counted:JY, DY
Weather:Clear

File Name : WilLih PM
Site Code : 00000047
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Liholiho Street Southbound					Wilde Avenue Westbound					Liholiho Street Northbound					Wilde Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	6	1	4	3	14	7	207	4	7	225	19	10	10	5	44	9	101	8	3	121	404
04:15 PM	8	1	6	5	20	6	177	3	6	192	11	3	18	0	32	10	120	9	4	143	387
04:30 PM	12	4	7	3	26	11	170	2	9	192	10	1	14	14	39	14	101	18	5	138	395
04:45 PM	12	2	7	2	23	5	201	2	3	211	8	2	23	1	34	17	114	11	5	147	415
Total	38	8	24	13	83	29	755	11	25	820	48	16	65	20	149	50	436	46	17	549	1601
05:00 PM	10	4	7	3	24	7	170	8	4	189	20	6	13	1	40	14	123	7	3	147	400
05:15 PM	11	7	3	3	24	4	137	5	0	146	18	5	25	1	49	12	111	6	5	134	353
05:30 PM	7	5	5	4	21	5	126	3	7	141	21	9	10	6	46	5	105	12	2	124	332
05:45 PM	9	6	10	8	33	12	112	6	9	139	19	6	10	5	40	18	116	8	3	145	357
Total	37	22	25	18	102	28	545	22	20	615	78	26	58	13	175	49	455	33	13	550	1442
Grand Total	75	30	49	31	185	57	1300	33	45	1435	126	42	123	33	324	99	891	79	30	1099	3043
Apprch %	40.5	16.2	26.5	16.8		4	90.6	2.3	3.1		38.9	13	38	10.2		9	81.1	7.2	2.7		
Total %	2.5	1	1.6	1	6.1	1.9	42.7	1.1	1.5	47.2	4.1	1.4	4	1.1	10.6	3.3	29.3	2.6	1	36.1	

	Liholiho Street Southbound					Wilde Avenue Westbound					Liholiho Street Northbound					Wilde Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	6	1	4	3	14	7	207	4	7	225	19	10	10	5	44	9	101	8	3	121	404
04:15 PM	8	1	6	5	20	6	177	3	6	192	11	3	18	0	32	10	120	9	4	143	387
04:30 PM	12	4	7	3	26	11	170	2	9	192	10	1	14	14	39	14	101	18	5	138	395
04:45 PM	12	2	7	2	23	5	201	2	3	211	8	2	23	1	34	17	114	11	5	147	415
Total Volume	38	8	24	13	83	29	755	11	25	820	48	16	65	20	149	50	436	46	17	549	1601
% App. Total	45.8	9.6	28.9	15.7		3.5	92.1	1.3	3		32.2	10.7	43.6	13.4		9.1	79.4	8.4	3.1		
PHF	.792	.500	.857	.650	.798	.659	.912	.688	.694	.911	.632	.400	.707	.357	.847	.735	.908	.639	.850	.934	.964


NORTH
NO PARKING
CORNER TO HERE
28'10"
NO PARKING
CORNER TO HERE
42'3"
58'3"
WILDER AVENUE
NO PARKING
TOW AWAY ZONE
6:30 - 8:30
3:30 - 5:30
31'5"
NO PARKING
CORNER TO HERE
LIHOLIHO
STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5677
Counted:DN, VT
Weather:Clear

File Name : WilPii AM
Site Code : 00000048
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Wilder Avenue Westbound					Piikoi Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:30 AM	0	0	0	11	11	19	57	0	4	80	21	33	15	5	74	0	39	7	4	50	215
06:45 AM	0	0	0	6	6	22	86	0	6	114	32	39	26	8	105	0	72	7	1	80	305
Total	0	0	0	17	17	41	143	0	10	194	53	72	41	13	179	0	111	14	5	130	520
07:00 AM	0	0	0	7	7	53	108	0	5	166	43	63	23	10	139	0	101	7	6	114	426
07:15 AM	0	0	0	17	17	62	140	0	15	217	49	76	20	11	156	0	126	13	4	143	533
07:30 AM	0	0	0	14	14	65	151	0	12	228	48	93	26	8	175	0	106	10	10	126	543
07:45 AM	0	0	0	13	13	64	156	0	19	239	37	59	20	12	128	0	91	15	14	120	500
Total	0	0	0	51	51	244	555	0	51	850	177	291	89	41	598	0	424	45	34	503	2002
08:00 AM	0	0	0	7	7	43	92	0	13	148	42	48	31	7	128	0	80	13	3	96	379
08:15 AM	0	0	0	2	2	33	69	0	10	112	42	39	16	9	106	0	62	2	2	66	286
Grand Total	0	0	0	77	77	361	859	0	84	1304	314	450	177	70	1011	0	677	74	44	795	3187
Apprch %	0	0	0	100		27.7	65.9	0	6.4		31.1	44.5	17.5	6.9		0	85.2	9.3	5.5		
Total %	0	0	0	2.4	2.4	11.3	27	0	2.6	40.9	9.9	14.1	5.6	2.2	31.7	0	21.2	2.3	1.4	24.9	

	Piikoi Street Southbound					Wilder Avenue Westbound					Piikoi Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	0	0	7	7	53	108	0	5	166	43	63	23	10	139	0	101	7	6	114	426
07:15 AM	0	0	0	**17**	**17**	62	140	0	15	217	**49**	76	20	11	156	0	**126**	13	4	**143**	533
07:30 AM	0	0	0	14	14	**65**	151	0	12	228	48	**93**	**26**	8	**175**	0	106	10	10	126	**543**
07:45 AM	0	0	0	13	13	64	**156**	0	**19**	**239**	37	59	20	**12**	128	0	91	**15**	**14**	120	500
Total Volume	0	0	0	51	51	244	555	0	51	850	177	291	89	41	598	0	424	45	34	503	2002
% App. Total	0	0	0	100		28.7	65.3	0	6		29.6	48.7	14.9	6.9		0	84.3	8.9	6.8		
PHF	.000	.000	.000	.750	.750	.938	.889	.000	.671	.889	.903	.782	.856	.854	.854	.000	.841	.750	.607	.879	.922

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5677
Counted:DN, MM
Weather:Clear

File Name : WilPii MIDDAY
Site Code : 00000048
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Wilder Avenue Westbound					Piikoi Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
11:00 AM	0	0	0	0	0	10	61	0	0	71	26	32	15	3	76	0	49	1	0	50	197
11:15 AM	0	0	0	1	1	19	55	0	2	76	42	43	25	9	119	0	32	3	2	37	233
11:30 AM	0	0	0	1	1	25	47	0	8	80	31	38	24	5	98	0	33	3	2	38	217
11:45 AM	0	0	0	7	7	26	57	0	2	85	40	29	23	4	96	0	41	5	2	48	236
Total	0	0	0	9	9	80	220	0	12	312	139	142	87	21	389	0	155	12	6	173	883
12:00 PM	0	0	0	0	0	25	68	0	6	99	45	43	21	5	114	0	37	1	0	38	251
12:15 PM	0	0	0	1	1	20	62	0	2	84	49	45	19	2	115	0	26	6	1	33	233
12:30 PM	0	0	0	2	2	23	57	0	6	86	44	32	15	4	95	0	42	2	4	48	231
12:45 PM	0	0	0	3	3	16	68	0	1	85	45	43	14	3	105	0	45	5	7	57	250
Total	0	0	0	6	6	84	255	0	15	354	183	163	69	14	429	0	150	14	12	176	965
Grand Total	0	0	0	15	15	164	475	0	27	666	322	305	156	35	818	0	305	26	18	349	1848
Apprch %	0	0	0	100		24.6	71.3	0	4.1		39.4	37.3	19.1	4.3		0	87.4	7.4	5.2		
Total %	0	0	0	0.8	0.8	8.9	25.7	0	1.5	36	17.4	16.5	8.4	1.9	44.3	0	16.5	1.4	1	18.9	

	Piikoi Street Southbound					Wilder Avenue Westbound					Piikoi Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	0	0	0	0	**25**	**68**	0	**6**	**99**	45	43	**21**	**5**	114	0	37	1	0	38	**251**
12:15 PM	0	0	0	1	1	20	62	0	2	84	**49**	**45**	19	2	**115**	0	26	**6**	1	33	233
12:30 PM	0	0	0	2	2	23	57	0	6	86	44	32	15	4	95	0	42	2	4	48	231
12:45 PM	0	0	0	**3**	**3**	16	68	0	1	85	45	43	14	3	105	0	**45**	5	**7**	**57**	250
Total Volume	0	0	0	6	6	84	255	0	15	354	183	163	69	14	429	0	150	14	12	176	965
% App. Total	0	0	0	100		23.7	72	0	4.2		42.7	38	16.1	3.3		0	85.2	8	6.8		
PHF	.000	.000	.000	.500	.500	.840	.938	.000	.625	.894	.934	.906	.821	.700	.933	.000	.833	.583	.429	.772	.961

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

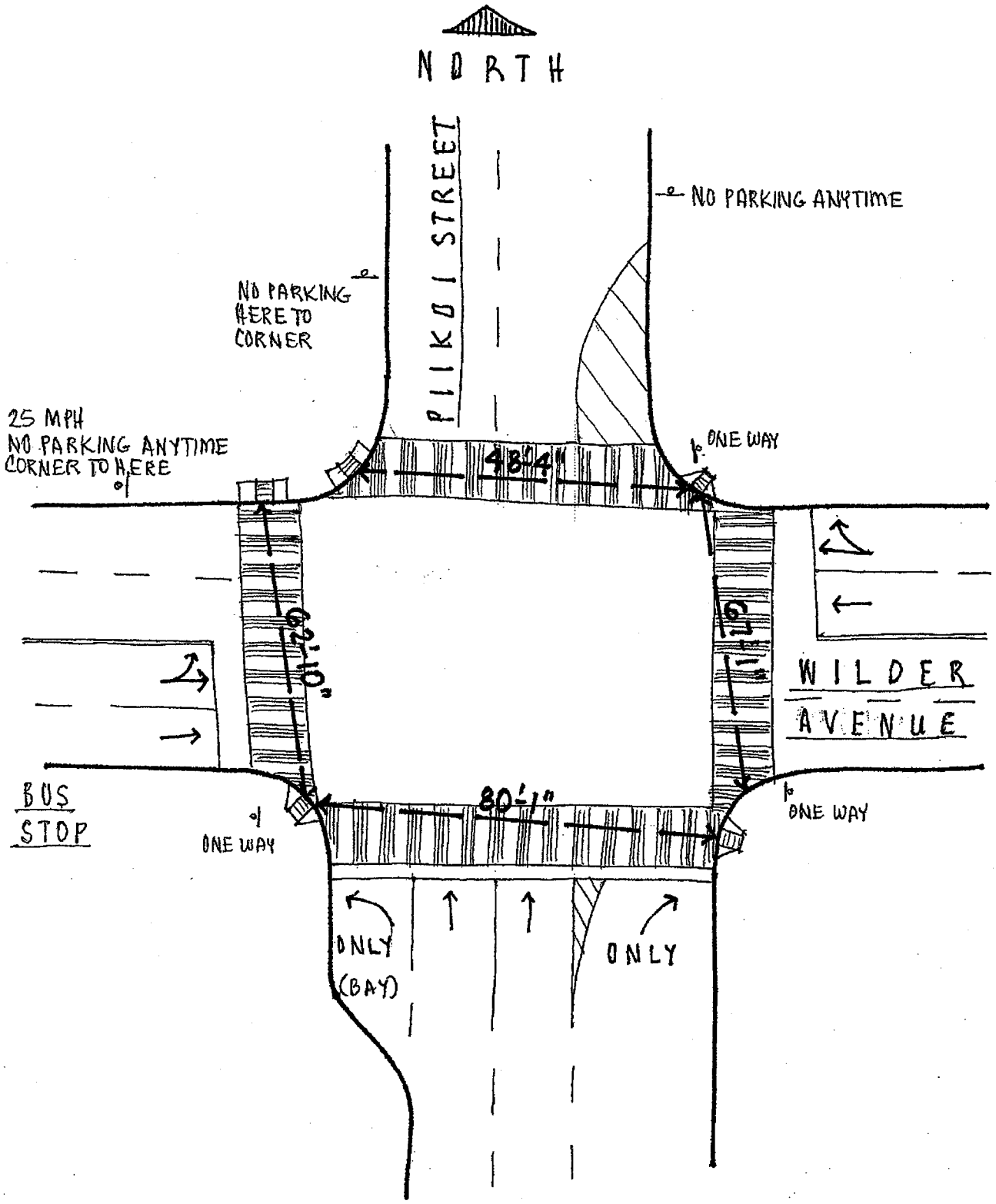
Counter:D4-3891, D4-5677
Counted:KK, AF
Weather:Clear

File Name : WilPii PM
Site Code : 00000048
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Wilder Avenue Westbound					Piikoi Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	0	0	0	3	3	93	130	0	11	234	45	56	27	8	136	0	79	7	7	93	466
04:15 PM	0	0	0	4	4	67	130	0	8	205	56	62	20	12	150	0	87	5	5	97	456
04:30 PM	0	0	0	2	2	57	134	0	12	203	50	58	62	13	183	0	85	3	2	90	478
04:45 PM	0	0	0	13	13	81	158	0	4	243	69	48	53	14	184	0	80	4	3	87	527
Total	0	0	0	22	22	298	552	0	35	885	220	224	162	47	653	0	331	19	17	367	1927
05:00 PM	0	0	0	6	6	65	128	0	11	204	51	42	47	10	150	0	94	3	3	100	460
05:15 PM	0	0	0	11	11	57	119	0	7	183	44	52	49	7	152	0	87	4	3	94	440
05:30 PM	0	0	0	5	5	38	104	0	6	148	50	48	62	13	173	0	72	9	3	84	410
05:45 PM	0	0	0	8	8	34	94	0	4	132	67	52	64	11	194	0	69	4	3	76	410
Total	0	0	0	30	30	194	445	0	28	667	212	194	222	41	669	0	322	20	12	354	1720
Grand Total	0	0	0	52	52	492	997	0	63	1552	432	418	384	88	1322	0	653	39	29	721	3647
Apprch %	0	0	0	100		31.7	64.2	0	4.1		32.7	31.6	29	6.7		0	90.6	5.4	4		
Total %	0	0	0	1.4	1.4	13.5	27.3	0	1.7	42.6	11.8	11.5	10.5	2.4	36.2	0	17.9	1.1	0.8	19.8	

	Piikoi Street Southbound					Wilder Avenue Westbound					Piikoi Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	0	0	3	3	**93**	130	0	11	234	45	56	27	8	136	0	79	7	**7**	93	466
04:15 PM	0	0	0	4	4	67	130	0	8	205	56	**62**	20	12	150	0	**87**	5	5	**97**	456
04:30 PM	0	0	0	2	2	57	134	0	**12**	203	50	58	**62**	13	183	0	85	3	2	90	478
04:45 PM	0	0	0	**13**	**13**	81	**158**	0	4	**243**	**69**	48	53	**14**	**184**	0	80	4	3	87	**527**
Total Volume	0	0	0	22	22	298	552	0	35	885	220	224	162	47	653	0	331	19	17	367	1927
% App. Total	0	0	0	100		33.7	62.4	0	4		33.7	34.3	24.8	7.2		0	90.2	5.2	4.6		
PHF	.000	.000	.000	.423	.423	.801	.873	.000	.729	.910	.797	.903	.653	.839	.887	.000	.951	.679	.607	.946	.914


NORTH
PIIKOI STREET
NO PARKING ANYTIME
NO PARKING HERE TO CORNER
25 MPH
NO PARKING ANYTIME CORNER TO HERE
ONE WAY
48'-4"
62'-10"
61'-7"
WILDER AVENUE
BUS STOP
ONE WAY
80'-1"
ONE WAY
ONLY (BAY)
ONLY

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, T-1841
Counted:SW, ZW
Weather:Clear

File Name : WilPen AM
Site Code : 00000049
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Wilder Avenue Westbound					Pensacola Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:30 AM	1	68	23	2	94	0	29	54	7	90	0	0	0	7	7	16	24	0	5	45	236
06:45 AM	4	84	39	4	131	0	28	84	12	124	0	0	0	1	1	15	32	0	12	59	315
Total	5	152	62	6	225	0	57	138	19	214	0	0	0	8	8	31	56	0	17	104	551
07:00 AM	4	114	69	2	189	0	35	98	12	145	0	0	0	4	4	27	34	0	23	84	422
07:15 AM	7	150	72	3	232	0	48	123	12	183	0	0	0	9	9	27	47	0	24	98	522
07:30 AM	6	155	57	1	219	0	49	133	11	193	0	0	0	6	6	38	48	0	20	106	524
07:45 AM	6	149	44	3	202	0	69	112	10	191	0	0	0	7	7	40	43	0	27	110	510
Total	23	568	242	9	842	0	201	466	45	712	0	0	0	26	26	132	172	0	94	398	1978
08:00 AM	6	130	52	1	189	0	49	72	13	134	0	0	0	10	10	35	46	0	5	86	419
08:15 AM	6	111	31	1	149	1	39	56	2	98	0	0	0	13	13	30	29	0	5	64	324
Grand Total	40	961	387	17	1405	1	346	732	79	1158	0	0	0	57	57	228	303	0	121	652	3272
Apprch %	2.8	68.4	27.5	1.2		0.1	29.9	63.2	6.8		0	0	0	100		35	46.5	0	18.6		
Total %	1.2	29.4	11.8	0.5	42.9	0	10.6	22.4	2.4	35.4	0	0	0	1.7	1.7	7	9.3	0	3.7	19.9	

	Pensacola Street Southbound					Wilder Avenue Westbound					Pensacola Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	4	114	69	2	189	0	35	98	**12**	145	0	0	0	4	4	27	34	0	23	84	422
07:15 AM	**7**	150	**72**	**3**	**232**	0	48	123	12	183	0	0	0	**9**	**9**	27	47	0	24	98	522
07:30 AM	6	**155**	57	1	219	0	49	**133**	11	**193**	0	0	0	6	6	38	**48**	0	20	106	**524**
07:45 AM	6	149	44	3	202	0	**69**	112	10	191	0	0	0	7	7	**40**	43	0	**27**	**110**	510
Total Volume	23	568	242	9	842	0	201	466	45	712	0	0	0	26	26	132	172	0	94	398	1978
% App. Total	2.7	67.5	28.7	1.1		0	28.2	65.4	6.3		0	0	0	100		33.2	43.2	0	23.6		
PHF	.821	.916	.840	.750	.907	.000	.728	.876	.938	.922	.000	.000	.000	.722	.722	.825	.896	.000	.870	.905	.944

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D1-0769
Counted:ME, KF
Weather:Clear

File Name : WilPen MIDDAY
Site Code : 00000049
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Wilder Avenue Westbound					Pensacola Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
11:00 AM	6	102	23	0	131	0	31	57	1	89	0	0	0	3	3	23	29	0	1	53	276
11:15 AM	5	77	17	2	101	0	22	59	3	84	0	0	0	3	3	28	24	0	2	54	242
11:30 AM	4	84	21	3	112	0	26	49	1	76	0	0	0	4	4	15	20	0	4	39	231
11:45 AM	3	59	23	0	85	0	24	49	1	74	0	0	0	3	3	28	18	0	1	47	209
Total	18	322	84	5	429	0	103	214	6	323	0	0	0	13	13	94	91	0	8	193	958
12:00 PM	1	60	22	2	85	0	35	52	1	88	0	0	0	1	1	24	17	0	6	47	221
12:15 PM	6	48	17	0	71	0	28	52	3	83	0	0	0	2	2	13	11	0	5	29	185
12:30 PM	2	59	11	3	75	0	19	52	4	75	0	0	0	1	1	18	26	0	0	44	195
12:45 PM	3	54	17	0	74	0	25	55	2	82	0	0	0	4	4	20	24	0	2	46	206
Total	12	221	67	5	305	0	107	211	10	328	0	0	0	8	8	75	78	0	13	166	807
Grand Total	30	543	151	10	734	0	210	425	16	651	0	0	0	21	21	169	169	0	21	359	1765
Apprch %	4.1	74	20.6	1.4		0	32.3	65.3	2.5		0	0	0	100		47.1	47.1	0	5.8		
Total %	1.7	30.8	8.6	0.6	41.6	0	11.9	24.1	0.9	36.9	0	0	0	1.2	1.2	9.6	9.6	0	1.2	20.3	

	Pensacola Street Southbound					Wilder Avenue Westbound					Pensacola Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	**6**	**102**	**23**	0	**131**	0	**31**	57	1	**89**	0	0	0	3	3	23	**29**	0	1	53	**276**
11:15 AM	5	77	17	2	101	0	22	**59**	**3**	84	0	0	0	3	3	**28**	24	0	2	**54**	242
11:30 AM	4	84	21	**3**	112	0	26	49	1	76	0	0	0	**4**	**4**	15	20	0	**4**	39	231
11:45 AM	3	59	23	0	85	0	24	49	1	74	0	0	0	3	3	28	18	0	**1**	47	209
Total Volume	18	322	84	5	429	0	103	214	6	323	0	0	0	13	13	94	91	0	8	193	958
% App. Total	4.2	75.1	19.6	1.2		0	31.9	66.3	1.9		0	0	0	100		48.7	47.2	0	4.1		
PHF	.750	.789	.913	.417	.819	.000	.831	.907	.500	.907	.000	.000	.000	.813	.813	.839	.784	.000	.500	.894	.868

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

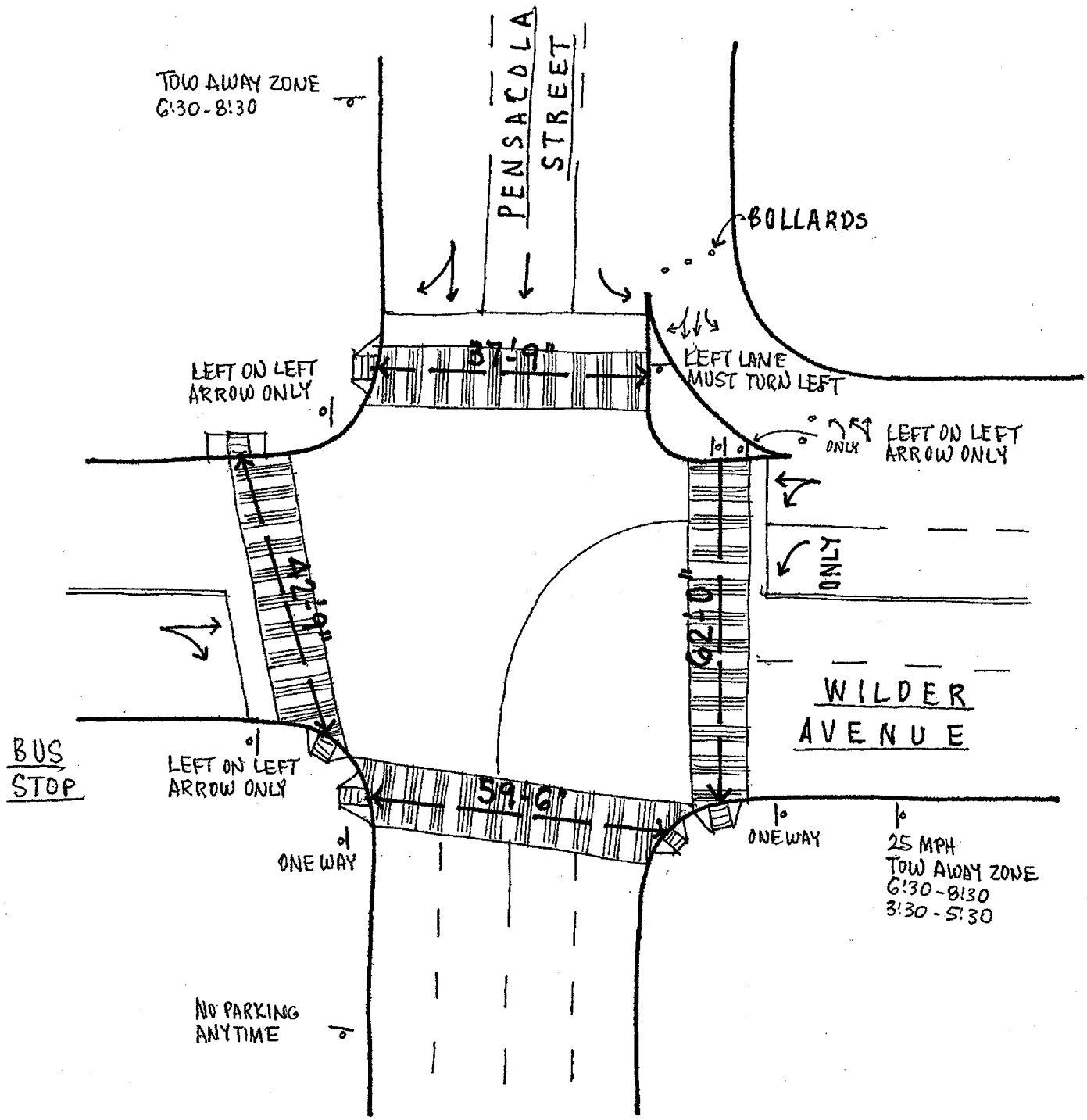
Counter:D4-5672, T-1841
Counted:LE, ZW
Weather:Clear

File Name : WilPen PM
Site Code : 00000049
Start Date : 4/24/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Wilder Avenue Westbound					Pensacola Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	6	86	38	0	130	0	71	92	3	166	0	0	0	2	2	14	42	0	1	57	355
04:15 PM	5	91	46	2	144	0	52	78	6	136	0	0	0	4	4	14	45	0	12	71	355
04:30 PM	3	91	38	0	132	0	66	91	1	158	0	0	0	5	5	33	46	0	4	83	378
04:45 PM	3	82	37	0	122	0	82	101	6	189	0	0	0	6	6	36	43	0	8	87	404
Total	17	350	159	2	528	0	271	362	16	649	0	0	0	17	17	97	176	0	25	298	1492
05:00 PM	4	93	40	0	137	0	72	76	2	150	0	0	0	16	16	24	50	0	6	80	383
05:15 PM	12	76	45	0	133	0	55	86	2	143	0	0	0	7	7	29	44	0	8	81	364
05:30 PM	2	56	34	6	98	0	62	73	6	141	0	0	0	14	14	41	45	0	2	88	341
05:45 PM	5	68	35	0	108	0	62	53	5	120	0	0	0	8	8	32	39	0	3	74	310
Total	23	293	154	6	476	0	251	288	15	554	0	0	0	45	45	126	178	0	19	323	1398
Grand Total	40	643	313	8	1004	0	522	650	31	1203	0	0	0	62	62	223	354	0	44	621	2890
Apprch %	4	64	31.2	0.8		0	43.4	54	2.6		0	0	0	100		35.9	57	0	7.1		
Total %	1.4	22.2	10.8	0.3	34.7	0	18.1	22.5	1.1	41.6	0	0	0	2.1	2.1	7.7	12.2	0	1.5	21.5	

	Pensacola Street Southbound					Wilder Avenue Westbound					Pensacola Street Northbound					Wilder Avenue Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	3	91	38	0	132	0	66	91	1	158	0	0	0	5	5	33	46	0	4	83	378
04:45 PM	3	82	37	0	122	0	**82**	**101**	**6**	**189**	0	0	0	6	6	**36**	43	0	**8**	**87**	**404**
05:00 PM	4	**93**	40	0	**137**	0	72	76	2	150	0	0	0	**16**	**16**	24	**50**	0	6	80	383
05:15 PM	**12**	76	**45**	0	133	0	55	86	2	143	0	0	0	7	7	29	44	0	8	81	364
Total Volume	22	342	160	0	524	0	275	354	11	640	0	0	0	34	34	122	183	0	26	331	1529
% App. Total	4.2	65.3	30.5	0		0	43	55.3	1.7		0	0	0	100		36.9	55.3	0	7.9		
PHF	.458	.919	.889	.000	.956	.000	.838	.876	.458	.847	.000	.000	.000	.531	.531	.847	.915	.000	.813	.951	.946


TOW AWAY ZONE
6:30-8:30
PENSACOLA STREET
BOLLARDS
37'-9"
LEFT ON LEFT ARROW ONLY
LEFT LANE MUST TURN LEFT
ONLY
LEFT ON LEFT ARROW ONLY
42'-9"
62'-0"
ONLY
WILDER AVENUE
BUS STOP
LEFT ON LEFT ARROW ONLY
59'-6"
ONE WAY
ONE WAY
25 MPH
TOW AWAY ZONE
6:30-8:30
3:30-5:30
NO PARKING ANYTIME

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5673
Counted:ME, JM
Weather:Clear

File Name : WarLun AM
Site Code : 00000050
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					Lunalilo Street Westbound					Ward Avenue Northbound					Lunalilo Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	93	1	7	101	70	27	5	13	115	18	31	0	4	53	0	0	48	4	52	321
06:45 AM	0	103	4	12	119	67	32	3	9	111	16	32	0	2	50	0	0	65	2	67	347
Total	0	196	5	19	220	137	59	8	22	226	34	63	0	6	103	0	0	113	6	119	668
07:00 AM	0	131	6	19	156	55	32	12	11	110	18	59	0	0	77	0	0	68	7	75	418
07:15 AM	0	203	1	9	213	114	43	8	19	184	12	40	0	1	53	0	0	52	0	52	502
07:30 AM	0	175	4	18	197	100	81	9	16	206	14	61	0	0	75	0	0	55	4	59	537
07:45 AM	0	160	2	6	168	101	104	10	23	238	11	101	0	0	112	0	0	44	4	48	566
Total	0	669	13	52	734	370	260	39	69	738	55	261	0	1	317	0	0	219	15	234	2023
08:00 AM	0	130	2	11	143	86	53	8	15	162	15	60	0	0	75	0	0	58	0	58	438
08:15 AM	0	85	2	6	93	82	59	8	13	162	8	45	0	1	54	0	0	28	0	28	337
Grand Total	0	1080	22	88	1190	675	431	63	119	1288	112	429	0	8	549	0	0	418	21	439	3466
Apprch %	0	90.8	1.8	7.4		52.4	33.5	4.9	9.2		20.4	78.1	0	1.5		0	0	95.2	4.8		
Total %	0	31.2	0.6	2.5	34.3	19.5	12.4	1.8	3.4	37.2	3.2	12.4	0	0.2	15.8	0	0	12.1	0.6	12.7	

	Ward Avenue Southbound					Lunalilo Street Westbound					Ward Avenue Northbound					Lunalilo Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	**203**	1	9	**213**	**114**	43	8	19	184	12	40	0	**1**	53	0	0	52	0	52	502
07:30 AM	0	175	**4**	**18**	197	100	81	9	16	206	14	61	0	0	75	0	0	55	**4**	**59**	537
07:45 AM	0	160	2	6	168	101	**104**	**10**	**23**	**238**	11	**101**	0	0	**112**	0	0	44	4	48	**566**
08:00 AM	0	130	2	11	143	86	53	8	15	162	**15**	60	0	0	75	0	0	**58**	0	58	438
Total Volume	0	668	9	44	721	401	281	35	73	790	52	262	0	1	315	0	0	209	8	217	2043
% App. Total	0	92.6	1.2	6.1		50.8	35.6	4.4	9.2		16.5	83.2	0	0.3		0	0	96.3	3.7		
PHF	.000	.823	.563	.611	.846	.879	.675	.875	.793	.830	.867	.649	.000	.250	.703	.000	.000	.901	.500	.919	.902

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5673
Counted:JM, ME
Weather:Clear

File Name : WarLun MIDDAY
Site Code : 00000050
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					Lunalilo Street Westbound					Ward Avenue Northbound					Lunalilo Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	53	1	3	57	58	27	9	5	99	48	71	0	0	119	0	0	28	6	34	309
11:15 AM	0	69	0	3	72	57	25	9	6	97	41	59	0	0	100	0	0	24	2	26	295
11:30 AM	0	60	2	4	66	73	25	10	3	111	44	46	0	0	90	0	0	18	3	21	288
11:45 AM	0	71	2	3	76	61	38	4	5	108	50	76	0	0	126	0	0	21	1	22	332
Total	0	253	5	13	271	249	115	32	19	415	183	252	0	0	435	0	0	91	12	103	1224
12:00 PM	0	50	1	11	62	54	28	2	6	90	53	88	0	1	142	0	0	28	4	32	326
12:15 PM	0	60	1	4	65	54	23	7	2	86	61	83	0	1	145	0	0	18	1	19	315
12:30 PM	0	64	1	3	68	76	40	13	4	133	40	69	0	0	109	0	0	27	2	29	339
12:45 PM	0	60	2	2	64	41	49	3	1	94	40	87	0	0	127	0	0	36	0	36	321
Total	0	234	5	20	259	225	140	25	13	403	194	327	0	2	523	0	0	109	7	116	1301
Grand Total	0	487	10	33	530	474	255	57	32	818	377	579	0	2	958	0	0	200	19	219	2525
Apprch %	0	91.9	1.9	6.2		57.9	31.2	7	3.9		39.4	60.4	0	0.2		0	0	91.3	8.7		
Total %	0	19.3	0.4	1.3	21	18.8	10.1	2.3	1.3	32.4	14.9	22.9	0	0.1	37.9	0	0	7.9	0.8	8.7	

	Ward Avenue Southbound					Lunalilo Street Westbound					Ward Avenue Northbound					Lunalilo Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	**71**	**2**	3	**76**	61	38	4	5	108	50	76	0	0	126	0	0	21	1	22	332
12:00 PM	0	50	1	**11**	62	54	28	2	**6**	90	53	**88**	0	**1**	142	0	0	**28**	**4**	**32**	326
12:15 PM	0	60	1	4	65	54	23	7	2	86	**61**	83	0	1	**145**	0	0	18	1	19	315
12:30 PM	0	64	1	3	68	**76**	**40**	**13**	4	**133**	40	69	0	0	109	0	0	27	2	29	**339**
Total Volume	0	245	5	21	271	245	129	26	17	417	204	316	0	2	522	0	0	94	8	102	1312
% App. Total	0	90.4	1.8	7.7		58.8	30.9	6.2	4.1		39.1	60.5	0	0.4		0	0	92.2	7.8		
PHF	.000	.863	.625	.477	.891	.806	.806	.500	.708	.784	.836	.898	.000	.500	.900	.000	.000	.839	.500	.797	.968

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

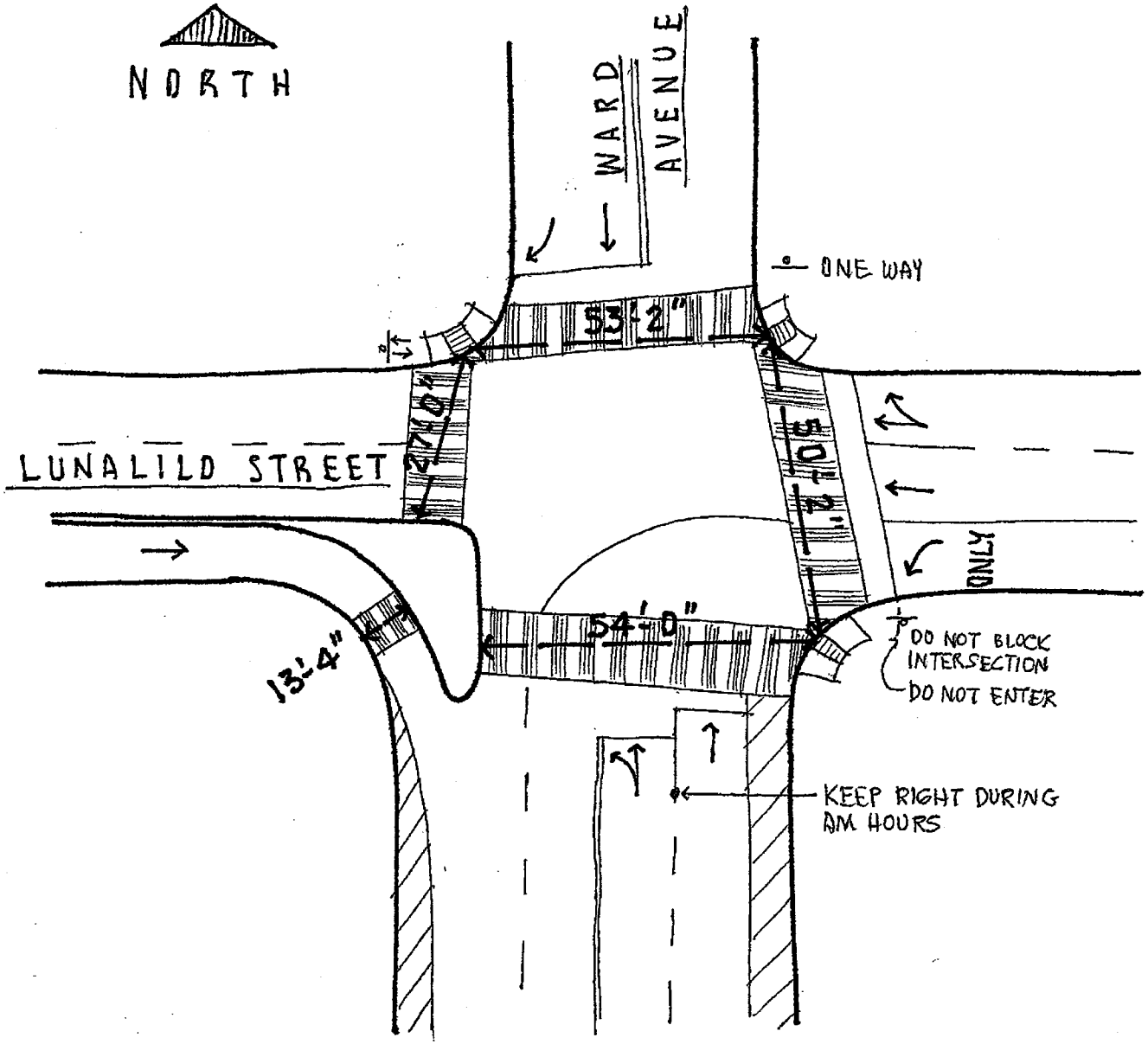
Counter:D4-5677, D4-5673
Counted:JM, ME
Weather:Clear

File Name : WarLun PM
Site Code : 00000050
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					Lunalilo Street Westbound					Ward Avenue Northbound					Lunalilo Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	61	4	10	75	40	47	7	12	106	48	173	0	3	224	0	0	34	6	40	445
04:15 PM	0	58	4	6	68	42	45	15	7	109	55	124	0	2	181	0	0	43	2	45	403
04:30 PM	0	53	4	12	69	54	61	21	10	146	47	153	0	1	201	0	0	49	5	54	470
04:45 PM	0	71	21	4	96	40	50	8	11	109	57	186	0	3	246	0	0	54	3	57	508
Total	0	243	33	32	308	176	203	51	40	470	207	636	0	9	852	0	0	180	16	196	1826
05:00 PM	0	62	2	6	70	41	61	15	13	130	57	175	0	0	232	0	0	50	8	58	490
05:15 PM	0	79	6	4	89	51	44	12	17	124	60	143	0	2	205	0	0	38	8	46	464
05:30 PM	0	69	2	5	76	42	44	13	7	106	56	151	0	0	207	0	0	59	5	64	453
05:45 PM	0	68	5	7	80	38	30	15	11	94	52	158	0	0	210	0	0	52	6	58	442
Total	0	278	15	22	315	172	179	55	48	454	225	627	0	2	854	0	0	199	27	226	1849
Grand Total	0	521	48	54	623	348	382	106	88	924	432	1263	0	11	1706	0	0	379	43	422	3675
Apprch %	0	83.6	7.7	8.7		37.7	41.3	11.5	9.5		25.3	74	0	0.6		0	0	89.8	10.2		
Total %	0	14.2	1.3	1.5	17	9.5	10.4	2.9	2.4	25.1	11.8	34.4	0	0.3	46.4	0	0	10.3	1.2	11.5	

	Ward Avenue Southbound					Lunalilo Street Westbound					Ward Avenue Northbound					Lunalilo Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	53	4	12	69	54	61	21	10	146	47	153	0	1	201	0	0	49	5	54	470
04:45 PM	0	71	21	4	96	40	50	8	11	109	57	186	0	3	246	0	0	54	3	57	508
05:00 PM	0	62	2	6	70	41	61	15	13	130	57	175	0	0	232	0	0	50	8	58	490
05:15 PM	0	79	6	4	89	51	44	12	17	124	60	143	0	2	205	0	0	38	8	46	464
Total Volume	0	265	33	26	324	186	216	56	51	509	221	657	0	6	884	0	0	191	24	215	1932
% App. Total	0	81.8	10.2	8		36.5	42.4	11	10		25	74.3	0	0.7		0	0	88.8	11.2		
PHF	.000	.839	.393	.542	.844	.861	.885	.667	.750	.872	.921	.883	.000	.500	.898	.000	.000	.884	.750	.927	.951


NORTH
WARD AVENUE
ONE WAY
53'-2"
LUNALILD STREET
50'-2"
ONLY
54'-0"
13'-4"
DO NOT BLOCK INTERSECTION
DO NOT ENTER
KEEP RIGHT DURING AM HOURS

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-3890
Counted:KK, DN
Weather:Clear

File Name : WarGre AM
Site Code : 00000051
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					Green Street Westbound					Ward Avenue Northbound					Green Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:30 AM	0	74	4	2	80	10	3	21	5	39	13	24	0	2	39	5	1	2	1	9	167
06:45 AM	0	82	4	6	92	8	4	20	12	44	11	29	1	1	42	8	2	0	3	13	191
Total	0	156	8	8	172	18	7	41	17	83	24	53	1	3	81	13	3	2	4	22	358
07:00 AM	0	120	9	5	134	13	2	13	8	36	23	35	5	3	66	11	5	0	8	24	260
07:15 AM	1	174	4	4	183	13	2	36	7	58	27	36	3	1	67	13	1	3	2	19	327
07:30 AM	2	159	4	3	168	9	4	35	8	56	17	63	5	0	85	8	4	2	5	19	328
07:45 AM	1	159	5	2	167	15	6	41	6	68	32	68	2	0	102	11	5	0	4	20	357
Total	4	612	22	14	652	50	14	125	29	218	99	202	15	4	320	43	15	5	19	82	1272
08:00 AM	1	130	4	2	137	13	5	22	3	43	18	41	5	1	65	6	1	0	2	9	254
08:15 AM	0	122	6	6	134	16	5	25	6	52	21	35	1	1	58	6	2	0	6	14	258
Grand Total	5	1020	40	30	1095	97	31	213	55	396	162	331	22	9	524	68	21	7	31	127	2142
Apprch %	0.5	93.2	3.7	2.7		24.5	7.8	53.8	13.9		30.9	63.2	4.2	1.7		53.5	16.5	5.5	24.4		
Total %	0.2	47.6	1.9	1.4	51.1	4.5	1.4	9.9	2.6	18.5	7.6	15.5	1	0.4	24.5	3.2	1	0.3	1.4	5.9	

	Ward Avenue Southbound					Green Street Westbound					Ward Avenue Northbound					Green Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	120	9	5	134	13	2	13	8	36	23	35	5	3	66	11	5	0	8	24	260
07:15 AM	1	174	4	4	183	13	2	36	7	58	27	36	3	1	67	13	1	3	2	19	327
07:30 AM	2	159	4	3	168	9	4	35	8	56	17	63	5	0	85	8	4	2	5	19	328
07:45 AM	1	159	5	2	167	15	6	41	6	68	32	68	2	0	102	11	5	0	4	20	357
Total Volume	4	612	22	14	652	50	14	125	29	218	99	202	15	4	320	43	15	5	19	82	1272
% App. Total	0.6	93.9	3.4	2.1		22.9	6.4	57.3	13.3		30.9	63.1	4.7	1.2		52.4	18.3	6.1	23.2		
PHF	.500	.879	.611	.700	.891	.833	.583	.762	.906	.801	.773	.743	.750	.333	.784	.827	.750	.417	.594	.854	.891

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-3890
Counted:KK, RY
Weather:Clear

File Name : WarGre MIDDAY
Site Code : 00000051
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					Green Street Westbound					Ward Avenue Northbound					Green Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
11:00 AM	0	39	3	2	44	10	1	12	10	33	25	53	4	0	82	3	0	0	1	4	163
11:15 AM	1	55	5	5	66	4	1	8	4	17	12	47	6	0	65	2	2	0	1	5	153
11:30 AM	1	44	3	1	49	7	1	11	2	21	18	43	0	0	61	6	0	1	3	10	141
11:45 AM	0	50	6	1	57	4	1	23	3	31	31	50	1	0	82	1	1	0	0	2	172
Total	2	188	17	9	216	25	4	54	19	102	86	193	11	0	290	12	3	1	5	21	629
12:00 PM	0	42	6	1	49	4	2	15	1	22	29	58	0	0	87	5	1	0	1	7	165
12:15 PM	1	50	4	0	55	3	0	5	2	10	32	47	2	0	81	4	0	0	0	4	150
12:30 PM	1	58	5	1	65	11	5	9	3	28	29	55	4	0	88	5	2	1	1	9	190
12:45 PM	0	52	1	3	56	4	0	17	2	23	28	52	3	0	83	4	3	0	0	7	169
Total	2	202	16	5	225	22	7	46	8	83	118	212	9	0	339	18	6	1	2	27	674
Grand Total	4	390	33	14	441	47	11	100	27	185	204	405	20	0	629	30	9	2	7	48	1303
Apprch %	0.9	88.4	7.5	3.2		25.4	5.9	54.1	14.6		32.4	64.4	3.2	0		62.5	18.8	4.2	14.6		
Total %	0.3	29.9	2.5	1.1	33.8	3.6	0.8	7.7	2.1	14.2	15.7	31.1	1.5	0	48.3	2.3	0.7	0.2	0.5	3.7	

	Ward Avenue Southbound					Green Street Westbound					Ward Avenue Northbound					Green Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	50	6	1	57	4	1	23	3	31	31	50	1	0	82	1	1	0	0	2	172
12:00 PM	0	42	6	1	49	4	2	15	1	22	29	58	0	0	87	5	1	0	1	7	165
12:15 PM	1	50	4	0	55	3	0	5	2	10	32	47	2	0	81	4	0	0	0	4	150
12:30 PM	1	58	5	1	65	11	5	9	3	28	29	55	4	0	88	5	2	1	1	9	190
Total Volume	2	200	21	3	226	22	8	52	9	91	121	210	7	0	338	15	4	1	2	22	677
% App. Total	0.9	88.5	9.3	1.3		24.2	8.8	57.1	9.9		35.8	62.1	2.1	0		68.2	18.2	4.5	9.1		
PHF	.500	.862	.875	.750	.869	.500	.400	.565	.750	.734	.945	.905	.438	.000	.960	.750	.500	.250	.500	.611	.891

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

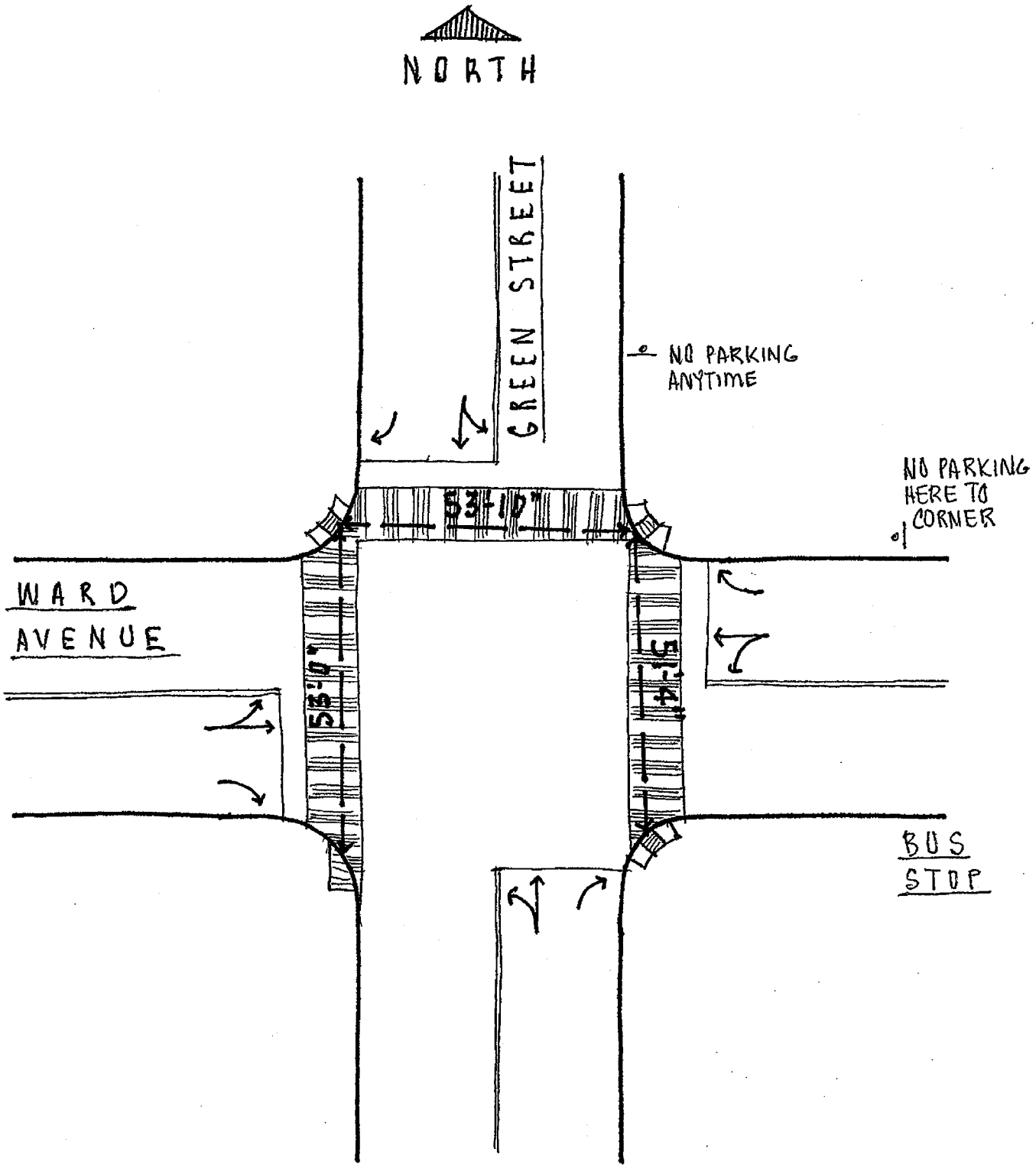
Counter:D4-3889, D4-3890
Counted:WA, AF
Weather:Clear

File Name : WarGre PM
Site Code : 00000051
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Ward Avenue Southbound					Green Street Westbound					Ward Avenue Northbound					Green Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	2	57	5	4	68	10	9	15	1	35	52	80	6	4	142	3	3	1	3	10	255
04:15 PM	2	45	11	5	63	14	8	15	2	39	49	90	5	5	149	3	2	0	1	6	257
04:30 PM	0	33	3	2	38	8	4	20	2	34	41	122	2	3	168	4	5	0	4	13	253
04:45 PM	0	67	8	7	82	17	4	21	4	46	56	111	4	8	179	4	4	0	5	13	320
Total	4	202	27	18	251	49	25	71	9	154	198	403	17	20	638	14	14	1	13	42	1085
05:00 PM	1	59	9	10	79	14	3	8	7	32	57	107	6	10	180	8	4	3	2	17	308
05:15 PM	1	59	14	3	77	9	4	20	3	36	48	94	4	4	150	8	11	3	2	24	287
05:30 PM	1	55	13	5	74	5	9	18	8	40	40	95	6	6	147	5	4	2	5	16	277
05:45 PM	0	57	9	9	75	5	2	13	2	22	64	87	4	4	159	6	9	0	6	21	277
Total	3	230	45	27	305	33	18	59	20	130	209	383	20	24	636	27	28	8	15	78	1149
Grand Total	7	432	72	45	556	82	43	130	29	284	407	786	37	44	1274	41	42	9	28	120	2234
Apprch %	1.3	77.7	12.9	8.1		28.9	15.1	45.8	10.2		31.9	61.7	2.9	3.5		34.2	35	7.5	23.3		
Total %	0.3	19.3	3.2	2	24.9	3.7	1.9	5.8	1.3	12.7	18.2	35.2	1.7	2	57	1.8	1.9	0.4	1.3	5.4	

	Ward Avenue Southbound					Green Street Westbound					Ward Avenue Northbound					Green Street Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	0	**67**	8	7	**82**	**17**	4	**21**	4	**46**	56	**111**	4	8	179	4	4	0	**5**	13	**320**
05:00 PM	**1**	59	9	**10**	79	14	3	8	7	32	**57**	107	**6**	**10**	**180**	**8**	4	**3**	2	17	308
05:15 PM	**1**	59	**14**	3	77	9	4	20	3	36	48	94	4	4	150	8	**11**	3	2	**24**	287
05:30 PM	**1**	55	13	5	74	5	**9**	18	**8**	40	40	95	6	6	147	5	4	2	5	16	277
Total Volume	3	240	44	25	312	45	20	67	22	154	201	407	20	28	656	25	23	8	14	70	1192
% App. Total	1	76.9	14.1	8		29.2	13	43.5	14.3		30.6	62	3	4.3		35.7	32.9	11.4	20		
PHF	.750	.896	.786	.625	.951	.662	.556	.798	.688	.837	.882	.917	.833	.700	.911	.781	.523	.667	.700	.729	.931


NORTH
GREEN STREET
NO PARKING ANYTIME
NO PARKING HERE TO CORNER
53'-10"
WARD AVENUE
53'-0"
51'-4"
BUS STOP

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5671
Counted:ZW, RB
Weather:Clear

File Name : PenLun AM
Site Code : 00000052
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Lunalilo Street Westbound					Pensacola Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
06:30 AM	0	0	0	0	0	0	233	63	20	316	0	0	0	3	3	0	319
06:45 AM	75	111	0	10	196	0	222	50	13	285	0	0	0	3	3	0	484
Total	75	111	0	10	196	0	455	113	33	601	0	0	0	6	6	0	803
07:00 AM	89	150	0	20	259	0	257	62	42	361	0	0	0	5	5	0	625
07:15 AM	113	228	0	12	353	0	295	77	32	404	0	0	0	2	2	0	759
07:30 AM	107	260	0	15	382	0	288	96	45	429	0	0	0	2	2	0	813
07:45 AM	113	234	0	16	363	0	288	120	38	446	0	0	0	3	3	0	812
Total	422	872	0	63	1357	0	1128	355	157	1640	0	0	0	12	12	0	3009
08:00 AM	93	186	0	9	288	0	248	89	21	358	0	0	0	3	3	0	649
08:15 AM	84	159	0	7	250	0	260	82	14	356	0	0	0	0	0	0	606
Grand Total	674	1328	0	89	2091	0	2091	639	225	2955	0	0	0	21	21	0	5067
Apprch %	32.2	63.5	0	4.3		0	70.8	21.6	7.6		0	0	0	100			
Total %	13.3	26.2	0	1.8	41.3	0	41.3	12.6	4.4	58.3	0	0	0	0.4	0.4	0	

	Pensacola Street Southbound					Lunalilo Street Westbound					Pensacola Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	**113**	228	0	12	353	0	**295**	77	32	404	0	0	0	2	2	0	759
07:30 AM	107	**260**	0	15	**382**	0	288	96	**45**	429	0	0	0	2	2	0	**813**
07:45 AM	113	234	0	**16**	363	0	288	**120**	38	**446**	0	0	0	**3**	**3**	0	812
08:00 AM	93	186	0	9	288	0	248	89	21	358	0	0	0	3	3	0	649
Total Volume	426	908	0	52	1386	0	1119	382	136	1637	0	0	0	10	10	0	3033
% App. Total	30.7	65.5	0	3.8		0	68.4	23.3	8.3		0	0	0	100			
PHF	.942	.873	.000	.813	.907	.000	.948	.796	.756	.918	.000	.000	.000	.833	.833	.000	.933

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5671
Counted:ZW, LE
Weather:Clear

File Name : PenLun MIDDAY
Site Code : 00000052
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Lunalilo Street Westbound					Pensacola Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
11:00 AM	66	93	0	5	164	0	387	102	15	504	0	0	0	1	1	0	669
11:15 AM	50	101	0	2	153	0	419	85	8	512	0	0	0	0	0	0	665
11:30 AM	61	84	0	5	150	1	385	100	10	496	0	0	0	0	0	0	646
11:45 AM	50	94	0	4	148	0	393	100	13	506	0	0	0	0	0	0	654
Total	227	372	0	16	615	1	1584	387	46	2018	0	0	0	1	1	0	2634
12:00 PM	62	102	0	4	168	1	362	100	8	471	0	0	0	1	1	0	640
12:15 PM	59	70	0	8	137	0	347	80	15	442	0	0	0	0	0	0	579
12:30 PM	69	81	0	7	157	0	400	100	14	514	0	0	0	4	4	0	675
12:45 PM	66	93	0	5	164	0	388	93	10	491	0	0	0	0	0	0	655
Total	256	346	0	24	626	1	1497	373	47	1918	0	0	0	5	5	0	2549
Grand Total	483	718	0	40	1241	2	3081	760	93	3936	0	0	0	6	6	0	5183
Apprch %	38.9	57.9	0	3.2		0.1	78.3	19.3	2.4		0	0	0	100			
Total %	9.3	13.9	0	0.8	23.9	0	59.4	14.7	1.8	75.9	0	0	0	0.1	0.1	0	

	Pensacola Street Southbound					Lunalilo Street Westbound					Pensacola Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:00 AM																	
11:00 AM	**66**	93	0	**5**	**164**	0	387	**102**	**15**	504	0	0	0	**1**	**1**	0	**669**
11:15 AM	50	**101**	0	2	153	0	**419**	85	8	**512**	0	0	0	0	0	0	665
11:30 AM	61	84	0	5	150	**1**	385	100	10	496	0	0	0	0	0	0	646
11:45 AM	50	94	0	4	148	0	393	100	13	506	0	0	0	0	0	0	654
Total Volume	227	372	0	16	615	1	1584	387	46	2018	0	0	0	1	1	0	2634
% App. Total	36.9	60.5	0	2.6		0	78.5	19.2	2.3		0	0	0	100			
PHF	.860	.921	.000	.800	.938	.250	.945	.949	.767	.985	.000	.000	.000	.250	.250	.000	.984

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5671
Counted:ZW, RB
Weather:Clear

File Name : PenLun PM
Site Code : 00000052
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Lunalilo Street Westbound					Pensacola Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
04:00 PM	91	111	0	7	209	0	351	61	23	435	0	0	0	2	2	0	646
04:15 PM	76	128	0	8	212	0	344	59	12	415	0	0	0	3	3	0	630
04:30 PM	80	123	0	4	207	0	356	57	25	438	0	0	0	2	2	0	647
04:45 PM	88	116	0	18	222	0	372	77	26	475	0	0	0	4	4	0	701
Total	335	478	0	37	850	0	1423	254	86	1763	0	0	0	11	11	0	2624
05:00 PM	85	113	0	7	205	0	354	90	31	475	0	0	0	2	2	0	682
05:15 PM	60	126	0	2	188	0	377	100	24	501	0	0	0	3	3	0	692
05:30 PM	84	121	0	9	214	0	349	83	30	462	0	0	0	1	1	0	677
05:45 PM	54	126	0	12	192	0	382	83	25	490	0	0	0	0	0	0	682
Total	283	486	0	30	799	0	1462	356	110	1928	0	0	0	6	6	0	2733
Grand Total	618	964	0	67	1649	0	2885	610	196	3691	0	0	0	17	17	0	5357
Apprch %	37.5	58.5	0	4.1		0	78.2	16.5	5.3		0	0	0	100			
Total %	11.5	18	0	1.3	30.8	0	53.9	11.4	3.7	68.9	0	0	0	0.3	0.3	0	

	Pensacola Street Southbound					Lunalilo Street Westbound					Pensacola Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	**88**	116	0	**18**	**222**	0	372	77	26	475	0	0	0	**4**	**4**	0	**701**
05:00 PM	85	113	0	7	205	0	354	90	**31**	475	0	0	0	2	2	0	682
05:15 PM	60	**126**	0	2	188	0	**377**	**100**	24	**501**	0	0	0	3	3	0	692
05:30 PM	84	121	0	9	214	0	349	83	30	462	0	0	0	1	1	0	677
Total Volume	317	**476**	0	36	829	0	1452	350	111	1913	0	0	0	10	10	0	2752
% App. Total	38.2	**57.4**	0	4.3		0	75.9	18.3	5.8		0	0	0	100			
PHF	.901	.944	.000	.500	.934	.000	.963	.875	.895	.955	.000	.000	.000	.625	.625	.000	.981

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

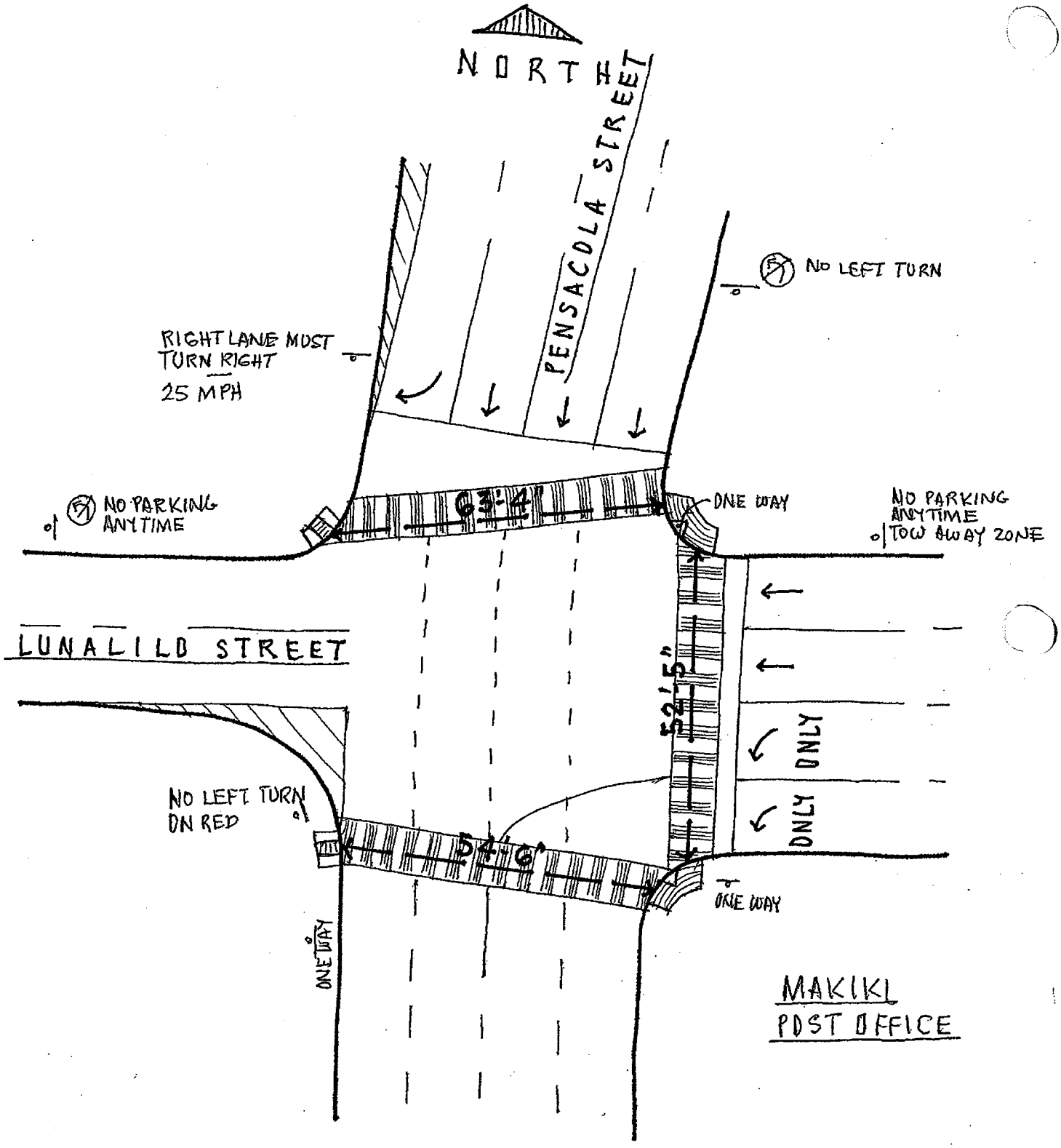
Counter:D4-3889, D4-5671
Counted:KK, TO
Weather:Clear

File Name : PenLun MIDDAY
Site Code : 00000052
Start Date : 5/17/2008
Page No : 1

Groups Printed- Unshifted

	Pensacola Street Southbound					Lunalilo Street Westbound					Pensacola Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	145	99	0	244	124	365	0	16	505	0	0	0	14	14	0	763
11:15 AM	0	156	105	5	266	121	377	0	21	519	0	0	0	15	15	0	800
11:30 AM	0	123	104	2	229	115	357	0	13	485	0	0	0	13	13	0	727
11:45 AM	0	133	95	7	235	98	350	0	8	456	0	0	0	11	11	0	702
Total	0	557	403	14	974	458	1449	0	58	1965	0	0	0	53	53	0	2992
12:00 PM	0	113	77	5	195	126	391	0	28	545	0	0	0	16	16	0	756
12:15 PM	0	127	67	10	204	130	402	0	19	551	0	0	0	6	6	0	761
12:30 PM	0	123	87	10	220	129	372	0	22	523	0	0	0	18	18	0	761
12:45 PM	0	114	76	5	195	102	373	0	14	489	0	0	0	6	6	0	690
Total	0	477	307	30	814	487	1538	0	83	2108	0	0	0	46	46	0	2968
Grand Total	0	1034	710	44	1788	945	2987	0	141	4073	0	0	0	99	99	0	5960
Apprch %	0	57.8	39.7	2.5		23.2	73.3	0	3.5		0	0	0	100			
Total %	0	17.3	11.9	0.7	30	15.9	50.1	0	2.4	68.3	0	0	0	1.7	1.7	0	

	Pensacola Street Southbound					Lunalilo Street Westbound					Pensacola Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:00 AM																	
11:00 AM	0	145	99	0	244	**124**	365	0	16	505	0	0	0	14	14	0	763
11:15 AM	0	**156**	**105**	5	**266**	121	**377**	0	**21**	**519**	0	0	0	**15**	**15**	0	**800**
11:30 AM	0	123	104	2	229	115	357	0	13	485	0	0	0	13	13	0	727
11:45 AM	0	133	95	**7**	235	98	350	0	8	456	0	0	0	11	11	0	702
Total Volume	0	557	403	14	974	458	1449	0	58	1965	0	0	0	53	53	0	2992
% App. Total	0	57.2	41.4	1.4		23.3	73.7	0	3		0	0	0	100			
PHF	.000	.893	.960	.500	.915	.923	.961	.000	.690	.947	.000	.000	.000	.883	.883	.000	.935


NORTH
PENSACOLA STREET
NO LEFT TURN
RIGHT LANE MUST TURN RIGHT
25 MPH
NO PARKING ANYTIME
63'-4"
ONE WAY
NO PARKING ANYTIME TOW AWAY ZONE
LUNALILO STREET
52'-5"
ONLY
ONLY
NO LEFT TURN ON RED
54'-6"
ONE WAY
ONE WAY
MAKIKI POST OFFICE

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-3888
Counted:SD, DY
Weather:Clear

File Name : PiiLun AM
Site Code : 00000053
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Lunalilo Street Westbound					Piikoi Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
06:30 AM	0	0	0	3	3	9	156	0	16	181	0	43	169	3	215	0	399
06:45 AM	0	0	0	2	2	7	130	0	40	177	0	78	199	16	293	0	472
Total	0	0	0	5	5	16	286	0	56	358	0	121	368	19	508	0	871
07:00 AM	0	0	0	2	2	11	152	0	29	192	0	96	178	11	285	0	479
07:15 AM	0	0	0	1	1	23	192	0	33	248	0	104	193	12	309	0	558
07:30 AM	0	0	0	12	12	27	247	0	73	347	0	115	192	29	336	0	695
07:45 AM	0	0	0	5	5	17	199	0	68	284	0	121	207	33	361	0	650
Total	0	0	0	20	20	78	790	0	203	1071	0	436	770	85	1291	0	2382
08:00 AM	0	0	0	5	5	11	180	0	22	213	0	117	175	15	307	0	525
08:15 AM	0	0	0	3	3	13	169	0	25	207	0	84	177	4	265	0	475
Grand Total	0	0	0	33	33	118	1425	0	306	1849	0	758	1490	123	2371	0	4253
Apprch %	0	0	0	100		6.4	77.1	0	16.5		0	32	62.8	5.2			
Total %	0	0	0	0.8	0.8	2.8	33.5	0	7.2	43.5	0	17.8	35	2.9	55.7	0	

	Piikoi Street Southbound					Lunalilo Street Westbound					Piikoi Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	0	0	1	1	23	192	0	33	248	0	104	193	12	309	0	558
07:30 AM	0	0	0	**12**	**12**	**27**	**247**	0	**73**	**347**	0	115	192	29	336	0	**695**
07:45 AM	0	0	0	5	5	17	199	0	68	284	0	**121**	**207**	**33**	**361**	0	650
08:00 AM	0	0	0	5	5	11	180	0	22	213	0	117	175	15	307	0	525
Total Volume	0	0	0	23	23	78	818	0	196	1092	0	457	767	89	1313	0	2428
% App. Total	0	0	0	100		7.1	74.9	0	17.9		0	34.8	58.4	6.8			
PHF	.000	.000	.000	.479	.479	.722	.828	.000	.671	.787	.000	.944	.926	.674	.909	.000	.873

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-3888
Counted:SD, DY
Weather:Clear

File Name : PiiLun MIDDAY
Site Code : 00000053
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Lunalilo Street Westbound					Piikoi Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	0	0	2	2	16	197	0	17	230	0	81	293	1	375	0	607
11:15 AM	0	0	0	4	4	20	242	0	20	282	0	98	279	1	378	0	664
11:30 AM	0	0	0	4	4	15	245	0	18	278	0	110	296	1	407	0	689
11:45 AM	0	0	0	3	3	17	254	0	23	294	0	118	271	3	392	0	689
Total	0	0	0	13	13	68	938	0	78	1084	0	407	1139	6	1552	0	2649
12:00 PM	0	0	0	5	5	14	217	0	31	262	0	108	284	1	393	0	660
12:15 PM	0	0	0	9	9	24	198	0	21	243	0	88	267	1	356	0	608
12:30 PM	0	0	0	3	3	18	250	0	22	290	0	116	296	2	414	0	707
12:45 PM	0	0	0	3	3	13	219	0	23	255	0	107	297	4	408	0	666
Total	0	0	0	20	20	69	884	0	97	1050	0	419	1144	8	1571	0	2641
Grand Total	0	0	0	33	33	137	1822	0	175	2134	0	826	2283	14	3123	0	5290
Apprch %	0	0	0	100		6.4	85.4	0	8.2		0	26.4	73.1	0.4			
Total %	0	0	0	0.6	0.6	2.6	34.4	0	3.3	40.3	0	15.6	43.2	0.3	59	0	

	Piikoi Street Southbound					Lunalilo Street Westbound					Piikoi Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:15 AM																	
11:15 AM	0	0	0	4	4	**20**	242	0	20	282	0	98	279	1	378	0	664
11:30 AM	0	0	0	4	4	15	245	0	18	278	0	110	**296**	1	**407**	0	**689**
11:45 AM	0	0	0	3	3	17	**254**	0	23	**294**	0	**118**	271	3	392	0	689
12:00 PM	0	0	0	5	5	14	217	0	**31**	262	0	108	284	1	393	0	660
Total Volume	0	0	0	16	16	66	958	0	92	1116	0	434	1130	6	1570	0	2702
% App. Total	0	0	0	100		5.9	85.8	0	8.2		0	27.6	72	0.4			
PHF	.000	.000	.000	.800	.800	.825	.943	.000	.742	.949	.000	.919	.954	.500	.964	.000	.980

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-5671
Counted:DY, LE
Weather:Clear

File Name : PiiLun PM
Site Code : 00000053
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Lunalilo Street Westbound					Piikoi Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
04:00 PM	0	0	0	5	5	20	158	0	31	209	0	149	273	6	428	0	642
04:15 PM	0	0	0	5	5	12	153	0	24	189	0	151	271	3	425	0	619
04:30 PM	0	0	0	13	13	18	174	0	30	222	0	146	240	1	387	0	622
04:45 PM	0	0	0	6	6	27	168	0	23	218	0	151	289	7	447	0	671
Total	0	0	0	29	29	77	653	0	108	838	0	597	1073	17	1687	0	2554
05:00 PM	0	0	0	9	9	32	205	0	34	271	0	146	253	8	407	0	687
05:15 PM	0	0	0	4	4	25	222	0	21	268	0	157	298	3	458	0	730
05:30 PM	0	0	0	8	8	28	203	0	23	254	0	158	238	2	398	0	660
05:45 PM	0	0	0	4	4	26	177	0	52	255	0	150	277	4	431	0	690
Total	0	0	0	25	25	111	807	0	130	1048	0	611	1066	17	1694	0	2767
Grand Total	0	0	0	54	54	188	1460	0	238	1886	0	1208	2139	34	3381	0	5321
Apprch %	0	0	0	100		10	77.4	0	12.6		0	35.7	63.3	1			
Total %	0	0	0	1	1	3.5	27.4	0	4.5	35.4	0	22.7	40.2	0.6	63.5	0	

	Piikoi Street Southbound					Lunalilo Street Westbound					Piikoi Street Northbound					Eastbound	
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	**9**	**9**	**32**	205	0	34	**271**	0	146	253	**8**	407	0	687
05:15 PM	0	0	0	4	4	25	**222**	0	21	268	0	157	**298**	3	**458**	0	**730**
05:30 PM	0	0	0	8	8	28	203	0	23	254	0	**158**	238	2	398	0	660
05:45 PM	0	0	0	4	4	26	177	0	**52**	255	0	150	277	4	431	0	690
Total Volume	0	0	0	25	25	111	807	0	130	1048	0	611	1066	17	1694	0	2767
% App. Total	0	0	0	100		10.6	77	0	12.4		0	36.1	62.9	1			
PHF	.000	.000	.000	.694	.694	.867	.909	.000	.625	.967	.000	.967	.894	.531	.925	.000	.948

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

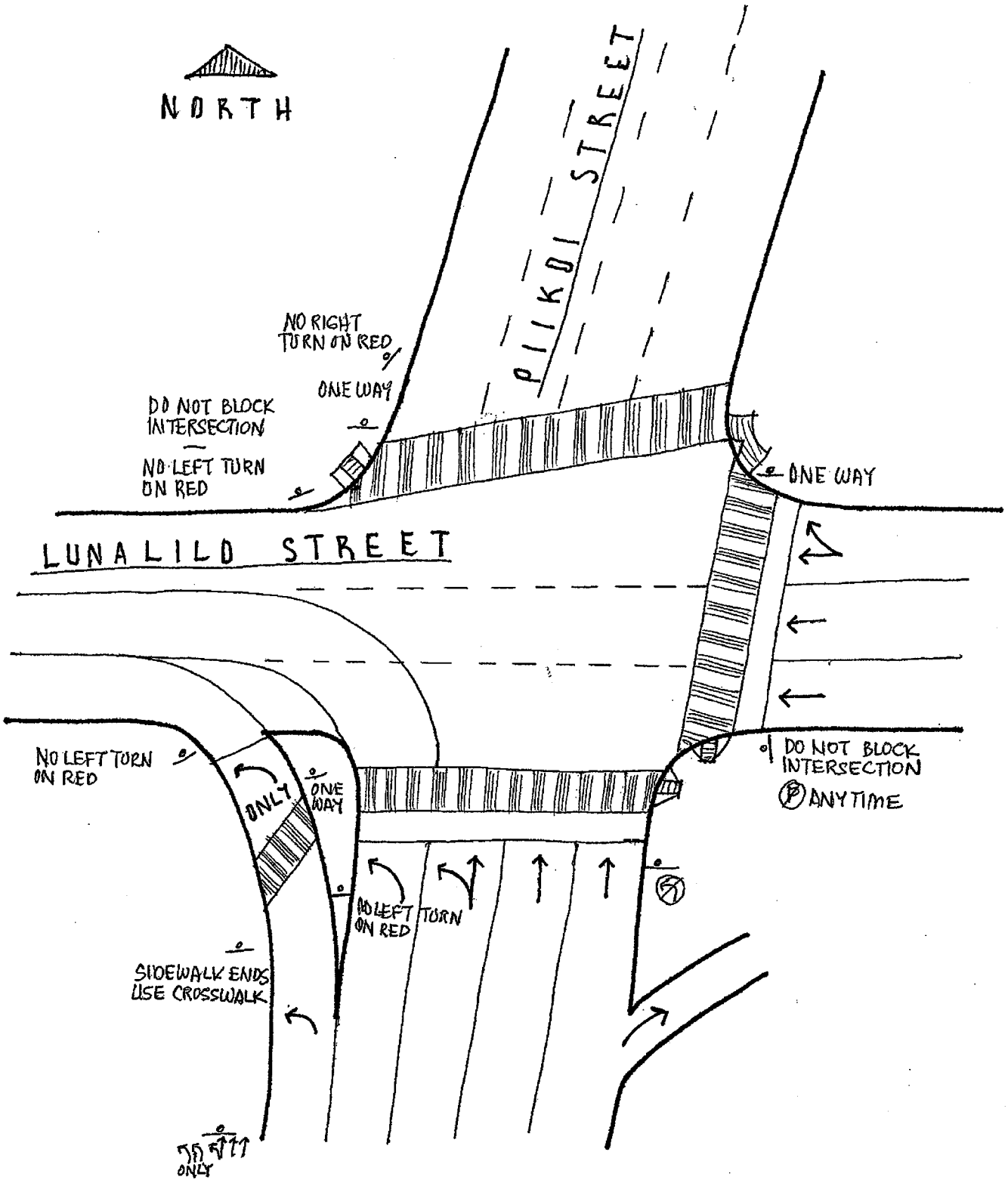
Counter:D4-3891, D4-5676
Counted:JY, WA
Weather:Clear

File Name : PiiLun MIDDAY
Site Code : 00000053
Start Date : 7/12/2008
Page No : 1

Groups Printed- Unshifted

	Piikoi Street Southbound					Lunalilo Street Westbound					Piikoi Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	0	0	6	6	0	219	15	21	255	245	120	0	0	365	0	626
11:15 AM	0	0	0	4	4	0	208	16	14	238	256	101	0	0	357	0	599
11:30 AM	0	0	0	3	3	0	191	22	23	236	264	116	0	1	381	0	620
11:45 AM	0	0	0	4	4	0	224	23	16	263	289	120	0	0	409	0	676
Total	0	0	0	17	17	0	842	76	74	992	1054	457	0	1	1512	0	2521
12:00 PM	0	0	0	2	2	0	218	21	6	245	268	132	0	0	400	0	647
12:15 PM	0	0	0	7	7	0	231	15	12	258	220	139	0	0	359	0	624
12:30 PM	0	0	0	3	3	0	228	20	14	262	268	117	0	0	385	0	650
12:45 PM	0	0	0	3	3	0	250	13	8	271	274	127	0	0	401	0	675
Total	0	0	0	15	15	0	927	69	40	1036	1030	515	0	0	1545	0	2596
Grand Total	0	0	0	32	32	0	1769	145	114	2028	2084	972	0	1	3057	0	5117
Apprch %	0	0	0	100		0	87.2	7.1	5.6		68.2	31.8	0	0			
Total %	0	0	0	0.6	0.6	0	34.6	2.8	2.2	39.6	40.7	19	0	0	59.7	0	

	Piikoi Street Southbound					Lunalilo Street Westbound					Piikoi Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:45 AM																	
11:45 AM	0	0	0	4	4	0	224	23	16	263	289	120	0	0	409	0	676
12:00 PM	0	0	0	2	2	0	218	21	6	245	268	132	0	0	400	0	647
12:15 PM	0	0	0	7	7	0	231	15	12	258	220	139	0	0	359	0	624
12:30 PM	0	0	0	3	3	0	228	20	14	262	268	117	0	0	385	0	650
Total Volume	0	0	0	16	16	0	901	79	48	1028	1045	508	0	0	1553	0	2597
% App. Total	0	0	0	100		0	87.6	7.7	4.7		67.3	32.7	0	0			
PHF	.000	.000	.000	.571	.571	.000	.975	.859	.750	.977	.904	.914	.000	.000	.949	.000	.960


NORTH
PIIKOI STREET
NO RIGHT TURN ON RED
ONE WAY
DO NOT BLOCK INTERSECTION
NO LEFT TURN ON RED
ONE WAY
LUNALILO STREET
NO LEFT TURN ON RED
ONLY
ONE WAY
DO NOT BLOCK INTERSECTION
ANYTIME
NO LEFT TURN ON RED
SIDEWALK ENDS USE CROSSWALK
ONLY

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5671
Counted:ZW, JH
Weather:Clear

File Name : KeeRyc AM
Site Code : 00000054
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Rycroft Street Westbound					Keeaumoku Street Northbound					Rycroft Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	7	83	40	12	142	1	18	11	12	42	2	33	2	13	50	5	6	7	31	49	283
06:45 AM	8	98	40	15	161	3	24	15	19	61	4	43	0	14	61	15	6	11	45	77	360
Total	15	181	80	27	303	4	42	26	31	103	6	76	2	27	111	20	12	18	76	126	643
07:00 AM	4	87	50	22	163	4	29	8	14	55	10	65	1	7	83	15	7	11	44	77	378
07:15 AM	9	117	67	26	219	2	44	9	21	76	4	57	0	27	88	14	23	11	55	103	486
07:30 AM	14	156	54	12	236	4	51	6	12	73	14	71	5	14	104	12	11	13	37	73	486
07:45 AM	9	171	53	21	254	2	37	4	7	50	13	62	4	16	95	16	23	20	52	111	510
Total	36	531	224	81	872	12	161	27	54	254	41	255	10	64	370	57	64	55	188	364	1860
08:00 AM	18	188	61	9	276	1	39	5	10	55	6	56	2	8	72	24	15	13	35	87	490
08:15 AM	13	180	48	18	259	4	42	3	14	63	14	55	3	4	76	19	19	10	25	73	471
Grand Total	82	1080	413	135	1710	21	284	61	109	475	67	442	17	103	629	120	110	96	324	650	3464
Apprch %	4.8	63.2	24.2	7.9		4.4	59.8	12.8	22.9		10.7	70.3	2.7	16.4		18.5	16.9	14.8	49.8		
Total %	2.4	31.2	11.9	3.9	49.4	0.6	8.2	1.8	3.1	13.7	1.9	12.8	0.5	3	18.2	3.5	3.2	2.8	9.4	18.8	

	Keeaumoku Street Southbound					Rycroft Street Westbound					Keeaumoku Street Northbound					Rycroft Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	9	117	**67**	**26**	219	2	44	**9**	**21**	**76**	4	57	0	**27**	88	14	**23**	11	**55**	103	486
07:30 AM	14	156	54	12	236	**4**	**51**	6	12	73	**14**	**71**	**5**	14	**104**	12	11	13	37	73	486
07:45 AM	9	171	53	21	254	2	37	4	7	50	13	62	4	**16**	95	16	23	**20**	52	**111**	**510**
08:00 AM	**18**	**188**	61	9	**276**	1	39	5	10	55	6	56	2	8	72	**24**	15	13	35	87	490
Total Volume	50	632	235	68	985	9	171	24	50	254	37	246	11	65	359	66	72	57	179	374	1972
% App. Total	5.1	64.2	23.9	6.9		3.5	67.3	9.4	19.7		10.3	68.5	3.1	18.1		17.6	19.3	15.2	47.9		
PHF	.694	.840	.877	.654	.892	.563	.838	.667	.595	.836	.661	.866	.550	.602	.863	.688	.783	.713	.814	.842	.967

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5671
Counted:ZW, LE
Weather:Clear

File Name : KeeRyc Midday
Site Code : 00000054
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Rycroft Street Westbound					Keeaumoku Street Northbound					Rycroft Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	9	183	51	27	270	5	26	9	12	52	14	101	5	9	129	34	36	30	63	163	614
11:15 AM	9	169	31	24	233	0	26	12	22	60	11	97	4	6	118	35	33	32	46	146	557
11:30 AM	6	161	41	37	245	5	29	11	29	74	7	87	8	9	111	30	27	24	79	160	590
11:45 AM	11	174	48	41	274	10	16	10	19	55	7	137	7	10	161	29	25	19	59	132	622
Total	35	687	171	129	1022	20	97	42	82	241	39	422	24	34	519	128	121	105	247	601	2383
12:00 PM	14	164	34	61	273	2	27	21	17	67	14	124	5	30	173	30	22	24	95	171	684
12:15 PM	10	176	45	41	272	7	41	10	42	100	7	126	5	11	149	46	27	22	94	189	710
12:30 PM	13	191	53	39	296	7	22	14	48	91	12	94	5	13	124	40	27	35	75	177	688
12:45 PM	12	158	32	37	239	3	23	7	51	84	10	111	4	22	147	34	39	32	95	200	670
Total	49	689	164	178	1080	19	113	52	158	342	43	455	19	76	593	150	115	113	359	737	2752
Grand Total	84	1376	335	307	2102	39	210	94	240	583	82	877	43	110	1112	278	236	218	606	1338	5135
Apprch %	4	65.5	15.9	14.6		6.7	36	16.1	41.2		7.4	78.9	3.9	9.9		20.8	17.6	16.3	45.3		
Total %	1.6	26.8	6.5	6	40.9	0.8	4.1	1.8	4.7	11.4	1.6	17.1	0.8	2.1	21.7	5.4	4.6	4.2	11.8	26.1	

	Keeaumoku Street Southbound					Rycroft Street Westbound					Keeaumoku Street Northbound					Rycroft Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	**14**	164	34	**61**	273	2	27	**21**	17	67	**14**	124	**5**	**30**	**173**	30	22	24	**95**	171	684
12:15 PM	10	176	45	41	272	**7**	**41**	10	42	**100**	7	**126**	5	11	149	**46**	27	22	94	189	**710**
12:30 PM	13	**191**	**53**	39	**296**	7	22	14	48	**91**	12	94	5	13	124	40	27	**35**	75	177	688
12:45 PM	12	158	32	37	239	3	23	7	**51**	84	10	111	4	22	147	34	**39**	32	95	**200**	670
Total Volume	49	689	164	178	1080	19	113	52	158	342	43	455	19	76	593	150	115	113	359	737	2752
% App. Total	4.5	63.8	15.2	16.5		5.6	33	15.2	46.2		7.3	76.7	3.2	12.8		20.4	15.6	15.3	48.7		
PHF	.875	.902	.774	.730	.912	.679	.689	.619	.775	.855	.768	.903	.950	.633	.857	.815	.737	.807	.945	.921	.969

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5671
Counted:ZW, JH
Weather:Clear

File Name : KeeRyc PM
Site Code : 00000054
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Rycroft Street Westbound					Keeaumoku Street Northbound					Rycroft Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	23	148	42	23	236	3	38	6	30	77	8	154	8	10	180	39	36	32	69	176	669
04:15 PM	9	155	36	18	218	3	32	16	40	91	7	156	5	12	180	56	38	31	82	207	696
04:30 PM	14	176	44	17	251	8	29	12	43	92	12	162	5	17	196	47	43	21	65	176	715
04:45 PM	9	175	45	28	257	3	34	11	28	76	13	139	11	19	182	45	33	27	48	153	668
Total	55	654	167	86	962	17	133	45	141	336	40	611	29	58	738	187	150	111	264	712	2748
05:00 PM	7	164	30	8	209	1	30	13	28	72	10	155	11	8	184	47	43	40	45	175	640
05:15 PM	12	159	46	15	232	2	33	8	18	61	9	144	6	19	178	40	48	31	37	156	627
05:30 PM	7	149	18	17	191	8	35	8	22	73	15	149	12	16	192	57	38	32	38	165	621
05:45 PM	21	140	32	18	211	1	32	14	14	61	8	136	5	13	162	54	35	24	45	158	592
Total	47	612	126	58	843	12	130	43	82	267	42	584	34	56	716	198	164	127	165	654	2480
Grand Total	102	1266	293	144	1805	29	263	88	223	603	82	1195	63	114	1454	385	314	238	429	1366	5228
Apprch %	5.7	70.1	16.2	8		4.8	43.6	14.6	37		5.6	82.2	4.3	7.8		28.2	23	17.4	31.4		
Total %	2	24.2	5.6	2.8	34.5	0.6	5	1.7	4.3	11.5	1.6	22.9	1.2	2.2	27.8	7.4	6	4.6	8.2	26.1	

	Keeaumoku Street Southbound					Rycroft Street Westbound					Keeaumoku Street Northbound					Rycroft Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	**23**	148	42	23	236	3	**38**	6	30	77	8	154	8	10	180	39	36	**32**	69	176	669
04:15 PM	9	155	36	18	218	3	32	**16**	40	91	7	156	5	12	180	**56**	38	31	**82**	**207**	696
04:30 PM	14	**176**	44	17	251	**8**	29	12	**43**	**92**	12	**162**	5	17	**196**	47	**43**	21	65	176	**715**
04:45 PM	9	175	**45**	**28**	**257**	3	34	11	28	76	**13**	139	**11**	**19**	182	45	33	27	48	153	668
Total Volume	55	654	167	86	962	17	133	45	141	336	40	611	29	58	738	187	150	111	264	712	2748
% App. Total	5.7	68	17.4	8.9		5.1	39.6	13.4	42		5.4	82.8	3.9	7.9		26.3	21.1	15.6	37.1		
PHF	.598	.929	.928	.768	.936	.531	.875	.703	.820	.913	.769	.943	.659	.763	.941	.835	.872	.867	.805	.860	.961

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

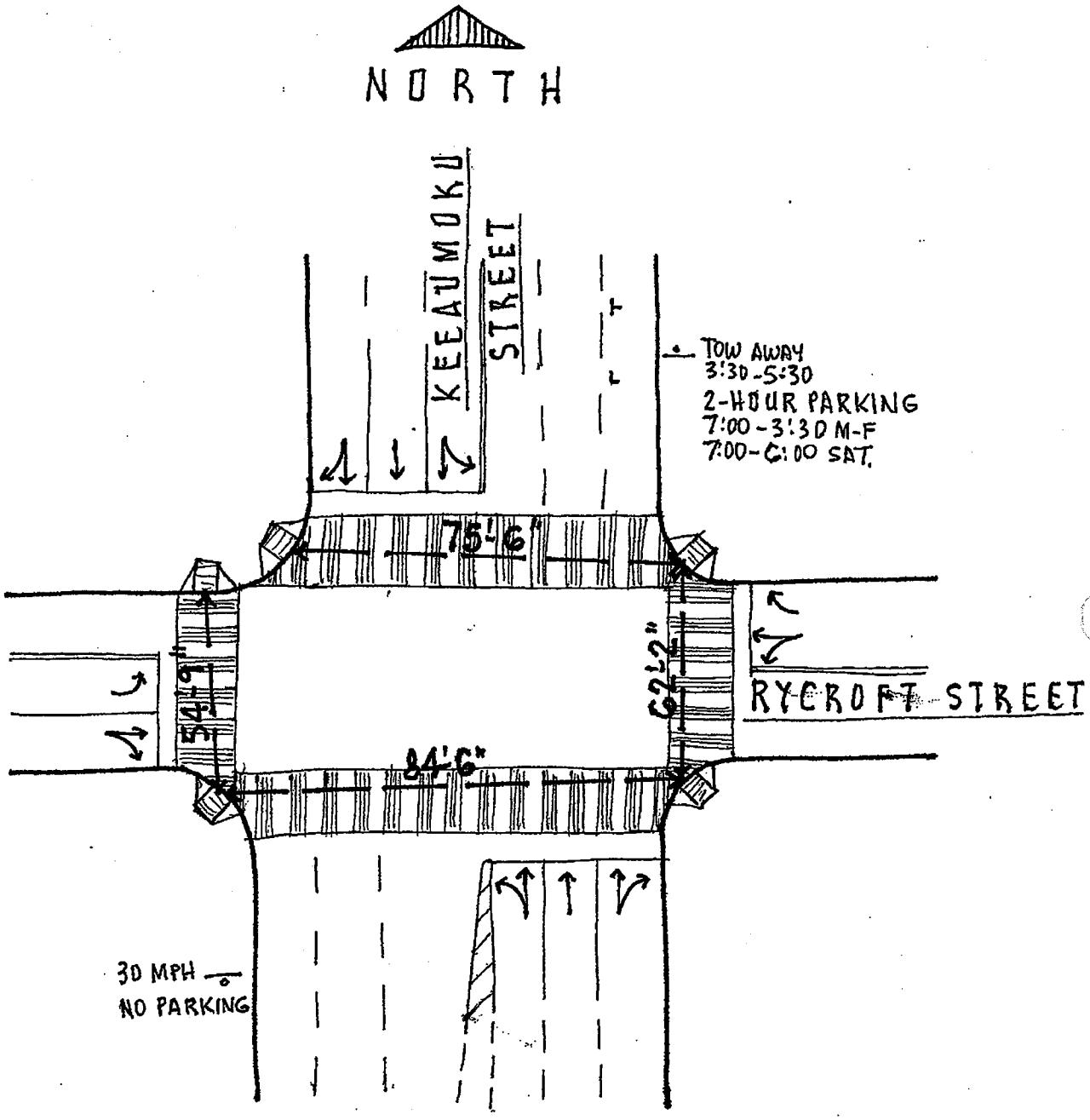
Counter:D4-5673, D4-5672
Counted:KK, RL
Weather:Clear

File Name : KeeRyc MIDDAY
Site Code : 00000054
Start Date : 6/21/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Rycroft Street Westbound					Keeaumoku Street Northbound					Rycroft Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	9	250	54	7	320	4	30	19	15	68	13	112	14	3	142	26	38	23	24	111	641
11:15 AM	14	214	47	0	275	9	28	15	12	64	14	139	5	2	160	39	32	32	14	117	616
11:30 AM	12	238	56	8	314	2	24	22	15	63	5	122	11	4	142	40	37	40	28	145	664
11:45 AM	12	234	61	7	314	8	15	11	19	53	11	135	6	9	161	43	29	27	14	113	641
Total	47	936	218	22	1223	23	97	67	61	248	43	508	36	18	605	148	136	122	80	486	2562
12:00 PM	19	250	54	8	331	7	25	13	24	69	9	152	5	11	177	36	31	43	20	130	707
12:15 PM	12	257	47	15	331	11	30	15	16	72	11	157	9	10	187	48	42	32	25	147	737
12:30 PM	18	248	71	6	343	4	34	10	15	63	5	151	6	4	166	40	28	50	32	150	722
12:45 PM	24	250	54	12	340	12	31	8	26	77	21	157	7	9	194	39	31	58	26	154	765
Total	73	1005	226	41	1345	34	120	46	81	281	46	617	27	34	724	163	132	183	103	581	2931
Grand Total	120	1941	444	63	2568	57	217	113	142	529	89	1125	63	52	1329	311	268	305	183	1067	5493
Apprch %	4.7	75.6	17.3	2.5		10.8	41	21.4	26.8		6.7	84.7	4.7	3.9		29.1	25.1	28.6	17.2		
Total %	2.2	35.3	8.1	1.1	46.8	1	4	2.1	2.6	9.6	1.6	20.5	1.1	0.9	24.2	5.7	4.9	5.6	3.3	19.4	

	Keeaumoku Street Southbound					Rycroft Street Westbound					Keeaumoku Street Northbound					Rycroft Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	19	250	54	8	331	7	25	13	24	69	9	152	5	**11**	177	36	31	43	20	130	707
12:15 PM	12	**257**	47	**15**	331	11	30	**15**	16	72	**11**	**157**	**9**	10	187	**48**	**42**	32	25	147	737
12:30 PM	18	248	**71**	6	**343**	4	**34**	10	15	63	5	151	6	4	166	40	28	50	**32**	150	722
12:45 PM	**24**	250	54	12	340	**12**	31	8	**26**	**77**	**21**	157	7	9	**194**	39	31	**58**	26	**154**	**765**
Total Volume	73	1005	226	41	1345	34	120	46	81	281	46	617	27	34	724	163	132	183	103	581	2931
% App. Total	5.4	74.7	16.8	3		12.1	42.7	16.4	28.8		6.4	85.2	3.7	4.7		28.1	22.7	31.5	17.7		
PHF	.760	.978	.796	.683	.980	.708	.882	.767	.779	.912	.548	.982	.750	.773	.933	.849	.786	.789	.805	.943	.958


NORTH
KEEAUMOKU STREET
TOW AWAY
3:30-5:30
2-HOUR PARKING
7:00-3:30 M-F
7:00-6:00 SAT.
75'6"
54'9"
62'2"
84'6"
RYCROFT STREET
30 MPH
NO PARKING

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, T-1841
Counted:ER, VT
Weather:Clear

File Name : KeeKan AM
Site Code : 00000055
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Kanunu Street Westbound					Keeaumoku Street Northbound					Wal-Mart Parking Garage Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	15	59	12	10	96	9	8	21	11	49	3	27	0	0	30	0	5	2	23	30	205
06:45 AM	11	85	17	9	122	8	7	14	13	42	6	37	1	0	44	0	5	0	33	38	246
Total	26	144	29	19	218	17	15	35	24	91	9	64	1	0	74	0	10	2	56	68	451
07:00 AM	19	77	11	33	140	15	7	25	9	56	14	42	7	0	63	1	6	2	52	61	320
07:15 AM	10	116	9	19	154	13	8	25	9	55	8	54	3	0	65	0	4	3	49	56	330
07:30 AM	21	133	17	18	189	19	11	56	8	94	16	36	2	0	54	0	4	4	41	49	386
07:45 AM	32	146	20	17	215	19	10	39	12	80	11	48	3	0	62	1	6	4	33	44	401
Total	82	472	57	87	698	66	36	145	38	285	49	180	15	0	244	2	20	13	175	210	1437
08:00 AM	25	145	26	10	206	25	17	28	2	72	15	41	7	0	63	0	3	12	22	37	378
08:15 AM	21	149	26	13	209	25	12	27	8	72	8	56	4	0	68	1	8	4	28	41	390
Grand Total	154	910	138	129	1331	133	80	235	72	520	81	341	27	0	449	3	41	31	281	356	2656
Apprch %	11.6	68.4	10.4	9.7		25.6	15.4	45.2	13.8		18	75.9	6	0		0.8	11.5	8.7	78.9		
Total %	5.8	34.3	5.2	4.9	50.1	5	3	8.8	2.7	19.6	3	12.8	1	0	16.9	0.1	1.5	1.2	10.6	13.4	

	Keeaumoku Street Southbound					Kanunu Street Westbound					Keeaumoku Street Northbound					Wal-Mart Parking Garage Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	21	133	17	**18**	189	19	11	**56**	8	**94**	**16**	36	2	0	54	0	4	4	**41**	**49**	386
07:45 AM	**32**	146	20	17	**215**	19	10	39	**12**	80	11	48	3	0	62	1	6	4	33	44	**401**
08:00 AM	25	145	**26**	10	206	**25**	**17**	28	2	72	15	41	**7**	0	63	0	3	**12**	22	37	378
08:15 AM	21	**149**	26	13	209	25	12	27	8	72	8	**56**	4	0	**68**	1	**8**	4	28	41	390
Total Volume	99	573	89	58	819	88	50	150	30	318	50	181	16	0	247	2	21	24	124	171	1555
% App. Total	12.1	70	10.9	7.1		27.7	15.7	47.2	9.4		20.2	73.3	6.5	0		1.2	12.3	14	72.5		
PHF	.773	.961	.856	.806	.952	.880	.735	.670	.625	.846	.781	.808	.571	.000	.908	.500	.656	.500	.756	.872	.969

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5676
Counted:ER, TO
Weather:Clear

File Name : KeeKan Midday
Site Code : 00000055
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Kanunu Street Westbound					Keeaumoku Street Northbound					Wal-Mart Parking Garage Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	26	190	19	35	270	27	14	56	44	141	26	77	14	0	117	2	9	9	68	88	616
11:15 AM	32	171	20	28	251	24	12	47	30	113	27	67	19	0	113	0	10	13	44	67	544
11:30 AM	20	178	22	40	260	23	18	47	51	139	23	63	12	0	98	3	10	11	56	80	577
11:45 AM	30	163	26	39	258	22	14	57	31	124	30	97	11	0	138	1	5	14	59	79	599
Total	108	702	87	142	1039	96	58	207	156	517	106	304	56	0	466	6	34	47	227	314	2336
12:00 PM	39	160	25	44	268	25	18	59	84	186	28	91	18	0	137	0	12	10	72	94	685
12:15 PM	24	176	36	54	290	19	16	51	82	168	26	87	12	0	125	0	7	25	89	121	704
12:30 PM	33	183	25	64	305	20	19	34	66	139	35	81	16	0	132	1	10	15	94	120	696
12:45 PM	16	182	30	43	271	26	15	49	63	153	29	94	18	0	141	0	10	9	92	111	676
Total	112	701	116	205	1134	90	68	193	295	646	118	353	64	0	535	1	39	59	347	446	2761
Grand Total	220	1403	203	347	2173	186	126	400	451	1163	224	657	120	0	1001	7	73	106	574	760	5097
Apprch %	10.1	64.6	9.3	16		16	10.8	34.4	38.8		22.4	65.6	12	0		0.9	9.6	13.9	75.5		
Total %	4.3	27.5	4	6.8	42.6	3.6	2.5	7.8	8.8	22.8	4.4	12.9	2.4	0	19.6	0.1	1.4	2.1	11.3	14.9	

	Keeaumoku Street Southbound					Kanunu Street Westbound					Keeaumoku Street Northbound					Wal-Mart Parking Garage Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	30	163	26	39	258	22	14	57	31	124	30	**97**	11	0	**138**	**1**	5	14	59	79	599
12:00 PM	**39**	160	25	44	268	**25**	18	**59**	**84**	**186**	28	91	**18**	0	137	0	**12**	10	72	94	685
12:15 PM	24	176	**36**	54	290	19	16	51	82	168	26	87	12	0	125	0	7	**25**	89	**121**	**704**
12:30 PM	33	**183**	25	**64**	**305**	20	**19**	34	66	139	**35**	81	16	0	132	1	10	15	**94**	120	696
Total Volume	126	682	112	201	1121	86	67	201	263	617	119	356	57	0	532	2	34	64	314	414	2684
% App. Total	11.2	60.8	10	17.9		13.9	10.9	32.6	42.6		22.4	66.9	10.7	0		0.5	8.2	15.5	75.8		
PHF	.808	.932	.778	.785	.919	.860	.882	.852	.783	.829	.850	.918	.792	.000	.964	.500	.708	.640	.835	.855	.953

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, T-1839
Counted:ER, BT
Weather:Clear

File Name : KeeKan PM
Site Code : 00000055
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Kanunu Street Westbound					Keeaumoku Street Northbound					Wal-Mart Parking Garage Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	28	170	33	50	281	10	13	31	68	122	42	148	22	0	212	2	13	17	40	72	687
04:15 PM	26	131	26	73	256	19	12	44	60	135	34	122	15	0	171	0	17	14	46	77	639
04:30 PM	19	187	21	50	277	19	13	40	72	144	33	145	12	0	190	0	15	15	53	83	694
04:45 PM	29	174	24	38	265	32	20	36	38	126	35	126	16	0	177	0	17	14	21	52	620
Total	102	662	104	211	1079	80	58	151	238	527	144	541	65	0	750	2	62	60	160	284	2640
05:00 PM	30	175	33	44	282	20	15	34	55	124	32	156	27	0	215	1	13	27	28	69	690
05:15 PM	29	165	20	49	263	21	13	33	40	107	28	134	25	0	187	0	13	19	22	54	611
05:30 PM	27	184	19	44	274	12	17	44	61	134	37	138	18	0	193	0	21	12	30	63	664
05:45 PM	24	132	23	61	240	27	20	43	74	164	48	128	21	0	197	0	23	15	42	80	681
Total	110	656	95	198	1059	80	65	154	230	529	145	556	91	0	792	1	70	73	122	266	2646
Grand Total	212	1318	199	409	2138	160	123	305	468	1056	289	1097	156	0	1542	3	132	133	282	550	5286
Apprch %	9.9	61.6	9.3	19.1		15.2	11.6	28.9	44.3		18.7	71.1	10.1	0		0.5	24	24.2	51.3		
Total %	4	24.9	3.8	7.7	40.4	3	2.3	5.8	8.9	20	5.5	20.8	3	0	29.2	0.1	2.5	2.5	5.3	10.4	

	Keeaumoku Street Southbound					Kanunu Street Westbound					Keeaumoku Street Northbound					Wal-Mart Parking Garage Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	**30**	175	**33**	44	**282**	20	15	34	55	124	32	**156**	**27**	0	**215**	**1**	13	**27**	28	69	**690**
05:15 PM	29	165	20	49	263	21	13	33	40	107	28	134	25	0	187	**0**	13	19	22	54	611
05:30 PM	27	**184**	19	44	274	12	17	**44**	61	134	37	138	18	0	193	0	21	12	30	63	664
05:45 PM	24	132	23	**61**	240	**27**	**20**	43	**74**	**164**	**48**	128	21	0	197	0	**23**	15	**42**	**80**	681
Total Volume	110	656	95	198	1059	80	65	154	230	529	145	556	91	0	792	1	70	73	122	266	2646
% App. Total	10.4	61.9	9	18.7		15.1	12.3	29.1	43.5		18.3	70.2	11.5	0		0.4	26.3	27.4	45.9		
PHF	.917	.891	.720	.811	.939	.741	.813	.875	.777	.806	.755	.891	.843	.000	.921	.250	.761	.676	.726	.831	.959

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

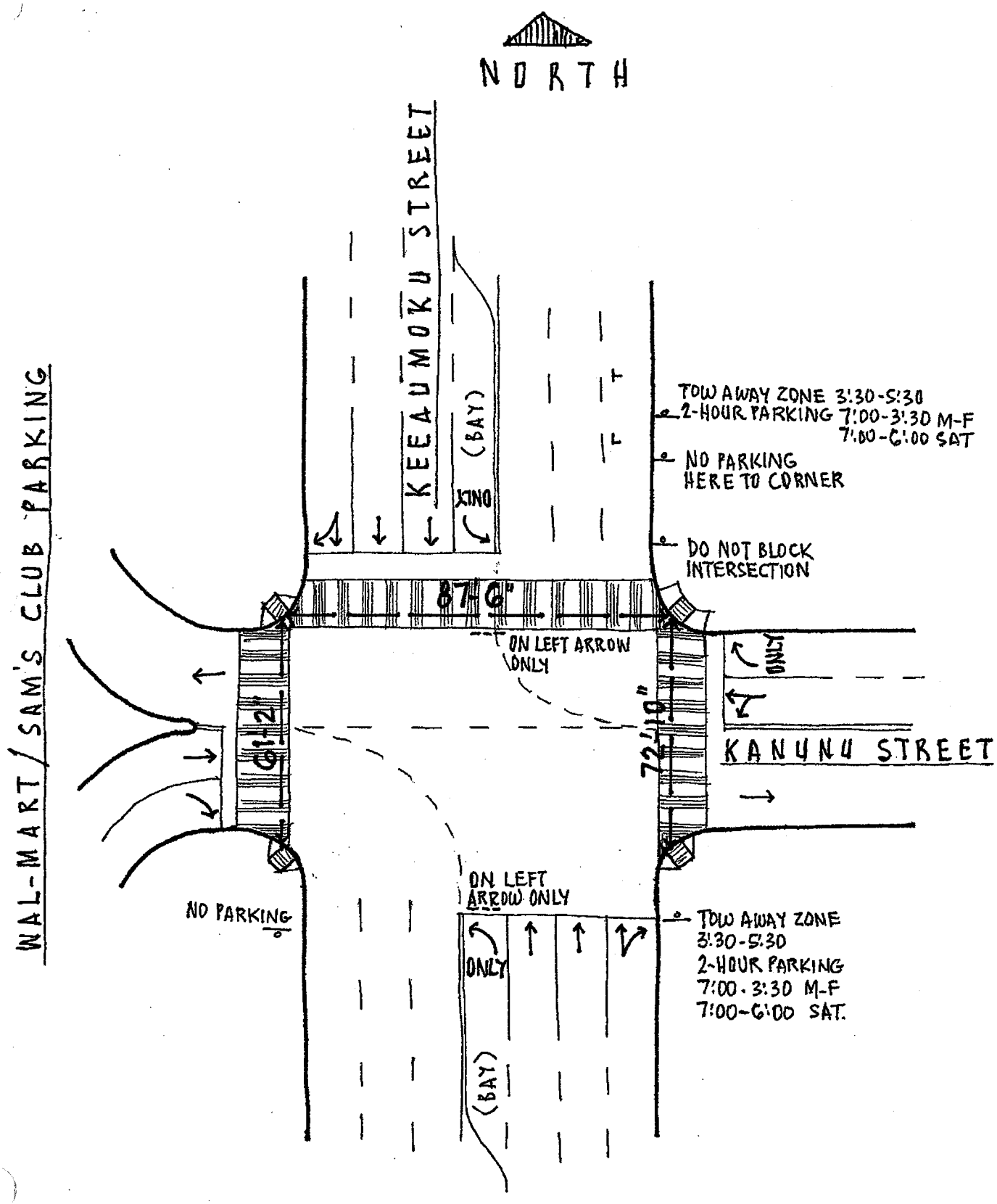
Counter:D4-3890, D4-3888
Counted:JK, DY
Weather:Clear

File Name : KeeKan MIDDAY
Site Code : 00000055
Start Date : 6/21/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Kanunu Street Westbound					Keeaumoku Street Northbound					Wal-Mart Parking Garage Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	32	230	33	43	338	37	17	59	54	167	35	92	18	0	145	0	10	14	81	105	755
11:15 AM	30	211	37	44	322	21	24	53	51	149	25	115	12	0	152	1	10	23	70	104	727
11:30 AM	26	220	42	49	337	33	25	45	39	142	36	107	23	0	166	0	6	11	84	101	746
11:45 AM	26	198	46	64	334	36	14	63	54	167	46	106	23	0	175	0	20	13	75	108	784
Total	114	859	158	200	1331	127	80	220	198	625	142	420	76	0	638	1	46	61	310	418	3012
12:00 PM	42	236	35	54	367	32	17	61	67	177	41	132	23	0	196	2	13	16	64	95	835
12:15 PM	34	220	38	49	341	38	20	45	61	164	39	139	31	0	209	0	13	18	78	109	823
12:30 PM	35	213	39	57	344	25	28	56	54	163	32	123	18	0	173	2	4	25	93	124	804
12:45 PM	51	212	45	50	358	23	23	61	52	159	35	124	23	0	182	0	9	18	81	108	807
Total	162	881	157	210	1410	118	88	223	234	663	147	518	95	0	760	4	39	77	316	436	3269
Grand Total	276	1740	315	410	2741	245	168	443	432	1288	289	938	171	0	1398	5	85	138	626	854	6281
Apprch %	10.1	63.5	11.5	15		19	13	34.4	33.5		20.7	67.1	12.2	0		0.6	10	16.2	73.3		
Total %	4.4	27.7	5	6.5	43.6	3.9	2.7	7.1	6.9	20.5	4.6	14.9	2.7	0	22.3	0.1	1.4	2.2	10	13.6	

	Keeaumoku Street Southbound					Kanunu Street Westbound					Keeaumoku Street Northbound					Wal-Mart Parking Garage Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	42	**236**	35	54	**367**	32	17	**61**	**67**	**177**	**41**	132	23	0	196	**2**	**13**	16	64	95	**835**
12:15 PM	34	220	38	49	341	**38**	20	45	61	164	39	**139**	**31**	0	**209**	0	13	18	78	109	823
12:30 PM	35	213	39	**57**	344	25	**28**	56	54	163	32	123	18	0	173	2	4	**25**	**93**	**124**	804
12:45 PM	**51**	212	**45**	50	358	23	23	61	52	159	35	124	23	0	182	0	9	18	81	108	807
Total Volume	162	881	157	210	1410	118	88	223	234	663	147	518	95	0	760	4	39	77	316	436	3269
% App. Total	11.5	62.5	11.1	14.9		17.8	13.3	33.6	35.3		19.3	68.2	12.5	0		0.9	8.9	17.7	72.5		
PHF	.794	.933	.872	.921	.960	.776	.786	.914	.873	.936	.896	.932	.766	.000	.909	.500	.750	.770	.849	.879	.979


NORTH
KEEAUMOKU STREET
(BAY)
ONLY
TOW AWAY ZONE 3:30-5:30
2-HOUR PARKING 7:00-3:30 M-F
7:00-6:00 SAT
NO PARKING
HERE TO CORNER
DO NOT BLOCK
INTERSECTION
87'-6"
ON LEFT ARROW
ONLY
ONLY
72'-10"
KANUNU STREET
WAL-MART / SAM'S CLUB PARKING
NO PARKING
ON LEFT
ARROW ONLY
ONLY
TOW AWAY ZONE
3:30-5:30
2-HOUR PARKING
7:00-3:30 M-F
7:00-6:00 SAT.
(BAY)

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-3889
Counted:DY, TG
Weather:Clear

File Name : KeeMak AM
Site Code : 00000056
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Makaloa Street Westbound					Keeaumoku Street Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	15	45	12	6	78	4	10	9	13	36	8	23	2	9	42	2	9	7	43	61	217
06:45 AM	15	65	12	3	95	10	19	10	21	60	10	33	4	16	63	1	10	9	50	70	288
Total	30	110	24	9	173	14	29	19	34	96	18	56	6	25	105	3	19	16	93	131	505
07:00 AM	9	65	14	4	92	15	23	13	32	83	5	40	6	16	67	1	12	3	72	88	330
07:15 AM	18	97	17	4	136	8	18	19	17	62	9	40	8	3	60	3	10	6	49	68	326
07:30 AM	21	99	26	3	149	14	28	12	20	74	8	42	11	15	76	0	24	11	50	85	384
07:45 AM	17	130	26	6	179	26	38	13	13	90	8	46	15	11	80	4	15	10	55	84	433
Total	65	391	83	17	556	63	107	57	82	309	30	168	40	45	283	8	61	30	226	325	1473
08:00 AM	18	135	35	6	194	17	37	11	18	83	7	33	16	26	82	3	25	6	64	98	457
08:15 AM	19	138	28	13	198	16	27	7	35	85	12	61	23	9	105	2	21	4	59	86	474
Grand Total	132	774	170	45	1121	110	200	94	169	573	67	318	85	105	575	16	126	56	442	640	2909
Apprch %	11.8	69	15.2	4		19.2	34.9	16.4	29.5		11.7	55.3	14.8	18.3		2.5	19.7	8.8	69.1		
Total %	4.5	26.6	5.8	1.5	38.5	3.8	6.9	3.2	5.8	19.7	2.3	10.9	2.9	3.6	19.8	0.6	4.3	1.9	15.2	22	

	Keeaumoku Street Southbound					Makaloa Street Westbound					Keeaumoku Street Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	**21**	99	26	3	149	14	28	12	20	74	8	42	11	15	76	0	24	11	50	85	384
07:45 AM	17	130	26	6	179	**26**	**38**	**13**	13	**90**	8	46	15	11	80	**4**	15	10	55	84	433
08:00 AM	18	135	**35**	6	194	17	37	11	18	83	7	33	16	**26**	82	3	**25**	6	**64**	**98**	457
08:15 AM	19	**138**	28	**13**	**198**	16	27	7	**35**	85	**12**	**61**	**23**	9	**105**	2	21	4	59	86	**474**
Total Volume	75	502	115	28	720	73	130	43	86	332	35	182	65	61	343	9	85	31	228	353	1748
% App. Total	10.4	69.7	16	3.9		22	39.2	13	25.9		10.2	53.1	19	17.8		2.5	24.1	8.8	64.6		
PHF	.893	.909	.821	.538	.909	.702	.855	.827	.614	.922	.729	.746	.707	.587	.817	.563	.850	.705	.891	.901	.922

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-3889
Counted:DY, TG
Weather:Clear

File Name : KeeMak Midday
Site Code : 00000056
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Makaloa Street Westbound					Keeaumoku Street Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	14	180	19	36	249	11	40	43	59	153	10	62	19	49	140	6	50	19	108	183	725
11:15 AM	24	140	25	55	244	20	37	37	66	160	12	66	17	49	144	6	33	16	131	186	734
11:30 AM	23	169	25	51	268	18	32	26	51	127	17	62	42	46	167	4	40	16	120	180	742
11:45 AM	21	143	19	38	221	19	29	43	65	156	26	95	19	31	171	7	24	23	97	151	699
Total	82	632	88	180	982	68	138	149	241	596	65	285	97	175	622	23	147	74	456	700	2900
12:00 PM	16	147	20	77	260	11	38	28	95	172	15	77	23	39	154	3	46	26	136	211	797
12:15 PM	21	153	19	67	260	15	35	44	59	153	14	65	29	28	136	0	56	16	153	225	774
12:30 PM	15	150	18	67	250	12	34	37	78	161	12	83	23	56	174	1	35	15	147	198	783
12:45 PM	24	171	34	47	276	21	40	31	81	173	17	87	18	39	161	0	39	26	159	224	834
Total	76	621	91	258	1046	59	147	140	313	659	58	312	93	162	625	4	176	83	595	858	3188
Grand Total	158	1253	179	438	2028	127	285	289	554	1255	123	597	190	337	1247	27	323	157	1051	1558	6088
Apprch %	7.8	61.8	8.8	21.6		10.1	22.7	23	44.1		9.9	47.9	15.2	27		1.7	20.7	10.1	67.5		
Total %	2.6	20.6	2.9	7.2	33.3	2.1	4.7	4.7	9.1	20.6	2	9.8	3.1	5.5	20.5	0.4	5.3	2.6	17.3	25.6	

	Keeaumoku Street Southbound					Makaloa Street Westbound					Keeaumoku Street Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	16	147	20	**77**	260	11	38	28	**95**	172	15	77	23	39	154	**3**	46	**26**	136	211	797
12:15 PM	21	153	19	67	260	15	35	**44**	59	153	14	65	**29**	28	136	0	**56**	16	153	**225**	774
12:30 PM	15	150	18	67	250	12	34	37	78	161	12	83	23	**56**	**174**	1	35	15	147	198	783
12:45 PM	**24**	**171**	**34**	47	**276**	**21**	**40**	31	81	**173**	**17**	**87**	18	39	161	0	39	26	**159**	224	**834**
Total Volume	76	621	91	258	1046	59	147	140	313	659	58	312	93	162	625	4	176	83	595	858	3188
% App. Total	7.3	59.4	8.7	24.7		9	22.3	21.2	47.5		9.3	49.9	14.9	25.9		0.5	20.5	9.7	69.3		
PHF	.792	.908	.669	.838	.947	.702	.919	.795	.824	.952	.853	.897	.802	.723	.898	.333	.786	.798	.936	.953	.956

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-3889
Counted:DY, TG
Weather:Clear

File Name : KeeMak PM
Site Code : 00000056
Start Date : 4/17/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Makaloa Street Westbound					Keeaumoku Street Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	11	139	17	61	228	17	30	27	103	177	19	159	29	31	238	7	34	31	167	239	882
04:15 PM	14	157	15	55	241	16	21	22	67	126	17	148	40	23	228	9	52	27	163	251	846
04:30 PM	24	154	13	56	247	17	33	21	69	140	18	133	31	15	197	13	41	28	152	234	818
04:45 PM	21	159	37	55	272	14	20	19	79	132	5	138	42	30	215	13	38	23	137	211	830
Total	70	609	82	227	988	64	104	89	318	575	59	578	142	99	878	42	165	109	619	935	3376
05:00 PM	23	144	25	71	263	18	23	17	83	141	18	160	38	25	241	13	40	39	135	227	872
05:15 PM	18	158	20	60	256	12	17	22	78	129	20	137	35	32	224	15	38	28	130	211	820
05:30 PM	24	140	19	72	255	18	17	27	66	128	25	136	34	23	218	13	32	31	136	212	813
05:45 PM	21	129	16	60	226	12	22	27	69	130	16	159	34	19	228	8	37	29	102	176	760
Total	86	571	80	263	1000	60	79	93	296	528	79	592	141	99	911	49	147	127	503	826	3265
Grand Total	156	1180	162	490	1988	124	183	182	614	1103	138	1170	283	198	1789	91	312	236	1122	1761	6641
Apprch %	7.8	59.4	8.1	24.6		11.2	16.6	16.5	55.7		7.7	65.4	15.8	11.1		5.2	17.7	13.4	63.7		
Total %	2.3	17.8	2.4	7.4	29.9	1.9	2.8	2.7	9.2	16.6	2.1	17.6	4.3	3	26.9	1.4	4.7	3.6	16.9	26.5	

	Keeaumoku Street Southbound					Makaloa Street Westbound					Keeaumoku Street Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	11	139	17	**61**	228	**17**	30	**27**	**103**	**177**	**19**	**159**	29	**31**	**238**	7	34	**31**	**167**	239	**882**
04:15 PM	14	157	15	55	241	16	21	22	67	126	17	148	40	23	228	9	**52**	27	163	**251**	846
04:30 PM	**24**	154	13	56	247	17	**33**	21	69	140	18	133	31	15	197	**13**	41	28	152	234	818
04:45 PM	21	**159**	**37**	55	**272**	14	20	19	79	132	5	138	**42**	30	215	13	38	23	137	211	830
Total Volume	70	609	82	227	988	64	104	89	318	575	59	578	142	99	878	42	165	109	619	935	3376
% App. Total	7.1	61.6	8.3	23		11.1	18.1	15.5	55.3		6.7	65.8	16.2	11.3		4.5	17.6	11.7	66.2		
PHF	.729	.958	.554	.930	.908	.941	.788	.824	.772	.812	.776	.909	.845	.798	.922	.808	.793	.879	.927	.931	.957

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

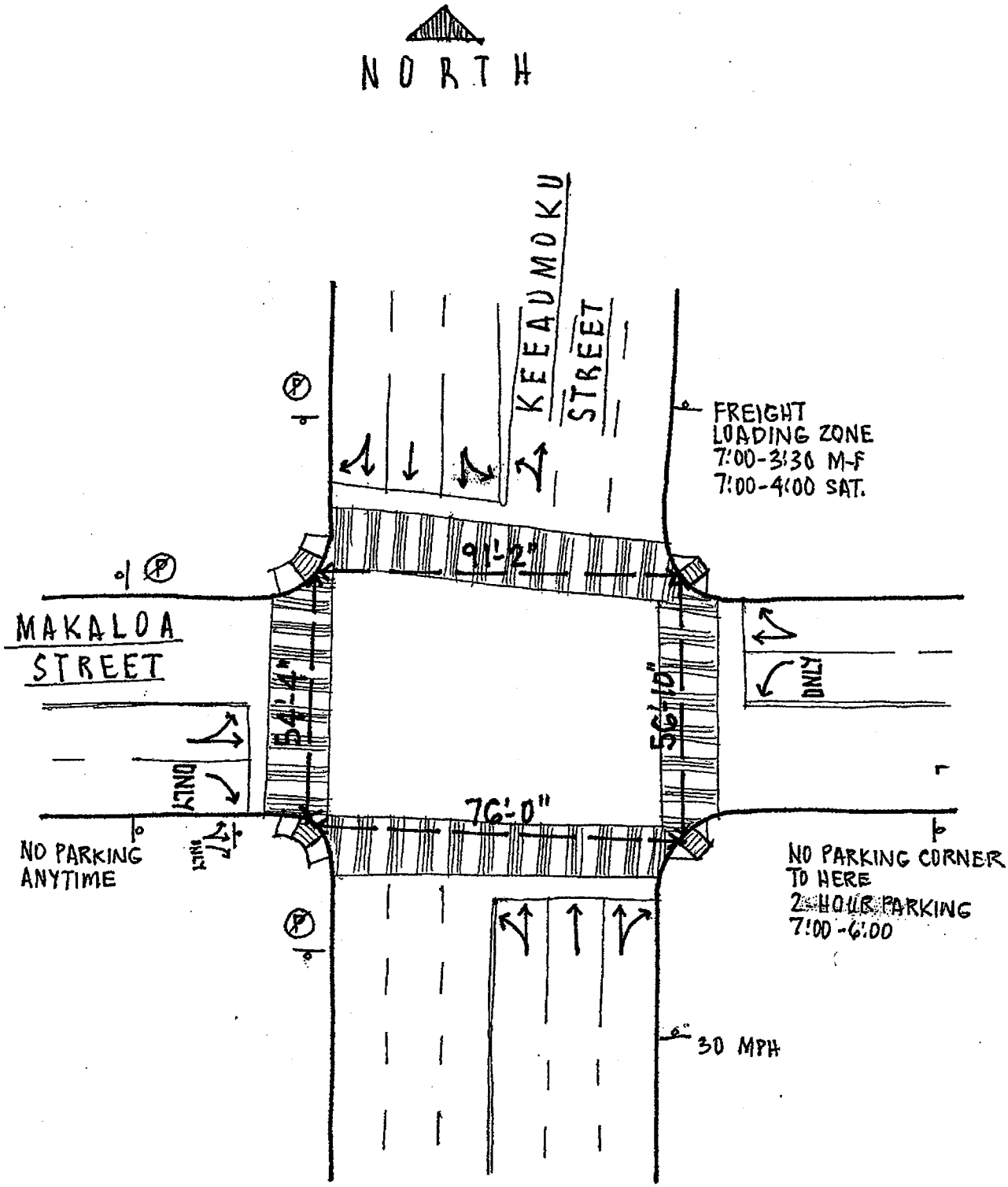
Counter:D4-5671, D4-5675
Counted:RT, JM
Weather:Clear

File Name : KeeMak MIDDAY
Site Code : 00000056
Start Date : 6/21/2008
Page No : 1

Groups Printed- Unshifted

	Keeaumoku Street Southbound					Makaloa Street Westbound					Keeaumoku Street Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	24	200	26	32	282	16	21	15	6	58	16	117	23	28	184	6	27	19	34	86	610
11:15 AM	19	188	21	52	280	30	27	18	16	91	8	112	28	23	171	7	23	24	43	97	639
11:30 AM	9	210	21	21	261	12	33	33	9	87	21	129	21	24	195	10	30	13	31	84	627
11:45 AM	25	218	16	33	292	13	28	20	20	81	15	122	29	14	180	16	35	22	59	132	685
Total	77	816	84	138	1115	71	109	86	51	317	60	480	101	89	730	39	115	78	167	399	2561
12:00 PM	8	186	6	34	234	12	19	35	8	74	20	141	20	27	208	12	21	16	32	81	597
12:15 PM	19	225	18	21	283	15	34	27	20	96	16	142	26	22	206	11	26	15	0	52	637
12:30 PM	5	159	11	31	206	20	28	35	0	83	18	136	22	29	205	2	22	15	24	63	557
12:45 PM	13	206	17	40	276	21	26	36	9	92	17	150	25	37	229	8	31	22	28	89	686
Total	45	776	52	126	999	68	107	133	37	345	71	569	93	115	848	33	100	68	84	285	2477
Grand Total	122	1592	136	264	2114	139	216	219	88	662	131	1049	194	204	1578	72	215	146	251	684	5038
Apprch %	5.8	75.3	6.4	12.5		21	32.6	33.1	13.3		8.3	66.5	12.3	12.9		10.5	31.4	21.3	36.7		
Total %	2.4	31.6	2.7	5.2	42	2.8	4.3	4.3	1.7	13.1	2.6	20.8	3.9	4	31.3	1.4	4.3	2.9	5	13.6	

	Keeaumoku Street Southbound					Makaloa Street Westbound					Keeaumoku Street Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	24	200	**26**	32	282	16	21	15	6	58	16	117	23	**28**	184	6	27	19	34	86	610
11:15 AM	19	188	21	**52**	280	**30**	27	18	16	**91**	8	112	28	23	171	7	23	**24**	43	97	639
11:30 AM	9	210	21	21	261	12	**33**	**33**	9	87	**21**	**129**	21	24	**195**	10	30	13	31	84	627
11:45 AM	**25**	**218**	16	33	**292**	13	28	20	**20**	81	15	122	**29**	14	180	**16**	**35**	22	**59**	**132**	**685**
Total Volume	77	816	84	138	1115	71	109	86	51	317	60	480	101	89	730	39	115	78	167	399	2561
% App. Total	6.9	73.2	7.5	12.4		22.4	34.4	27.1	16.1		8.2	65.8	13.8	12.2		9.8	28.8	19.5	41.9		
PHF	.770	.936	.808	.663	.955	.592	.826	.652	.638	.871	.714	.930	.871	.795	.936	.609	.821	.813	.708	.756	.935


NORTH
KEEAUMOKU STREET
FREIGHT LOADING ZONE
7:00-3:30 M-F
7:00-4:00 SAT.
91'-2"
MAKALOA STREET
54'-4"
56'-10"
ONLY
ONLY
76'-0"
NO PARKING ANYTIME
NO PARKING CORNER TO HERE
2-HOUR PARKING
7:00-6:00
30 MPH

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5673
Counted:TO, KF
Weather:Clear

File Name : KalPhi AM
Site Code : 00000058
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Philip Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
06:30 AM	0	195	0	8	203	90	0	10	8	108	0	120	28	0	148	0	459
06:45 AM	5	169	0	3	177	82	0	23	9	114	0	136	23	0	159	0	450
Total	5	364	0	11	380	172	0	33	17	222	0	256	51	0	307	0	909
07:00 AM	6	164	0	16	186	94	0	38	17	149	0	165	41	0	206	0	541
07:15 AM	5	141	0	16	162	124	0	40	11	175	0	195	39	0	234	0	571
07:30 AM	5	153	16	22	196	144	0	43	12	199	0	183	38	0	221	0	616
07:45 AM	5	176	0	12	193	149	0	45	11	205	0	160	46	0	206	0	604
Total	21	634	16	66	737	511	0	166	51	728	0	703	164	0	867	0	2332
08:00 AM	3	204	0	8	215	176	0	45	8	229	0	142	40	0	182	0	626
08:15 AM	8	206	0	7	221	154	0	28	13	195	0	156	26	0	182	0	598
Grand Total	37	1408	16	92	1553	1013	0	272	89	1374	0	1257	281	0	1538	0	4465
Apprch %	2.4	90.7	1	5.9		73.7	0	19.8	6.5		0	81.7	18.3	0			
Total %	0.8	31.5	0.4	2.1	34.8	22.7	0	6.1	2	30.8	0	28.2	6.3	0	34.4	0	

	Kalakaua Avenue Southbound					Philip Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	5	153	**16**	**22**	196	144	0	43	12	199	0	**183**	38	0	**221**	0	616
07:45 AM	5	176	0	12	193	149	0	**45**	11	205	0	160	**46**	0	206	0	604
08:00 AM	3	204	0	8	215	**176**	0	45	8	**229**	0	142	40	0	182	0	**626**
08:15 AM	**8**	**206**	0	7	**221**	154	0	28	**13**	195	0	156	26	0	182	0	598
Total Volume	21	739	16	49	825	623	0	161	44	828	0	641	150	0	791	0	2444
% App. Total	2.5	89.6	1.9	5.9		75.2	0	19.4	5.3		0	81	19	0			
PHF	.656	.897	.250	.557	.933	.885	.000	.894	.846	.904	.000	.876	.815	.000	.895	.000	.976

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5673
Counted:KF, SW
Weather:Clear

File Name : KalPhi MIDDAY
Site Code : 00000058
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Philip Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	6	225	0	5	236	115	0	10	6	131	0	175	56	0	231	0	598
11:15 AM	9	236	0	5	250	116	0	11	13	140	0	187	58	0	245	0	635
11:30 AM	7	210	0	5	222	103	0	14	10	127	0	156	55	0	211	0	560
11:45 AM	7	202	0	3	212	99	0	14	7	120	0	159	51	0	210	0	542
Total	29	873	0	18	920	433	0	49	36	518	0	677	220	0	897	0	2335
12:00 PM	7	229	0	11	247	115	0	11	11	137	0	172	54	0	226	0	610
12:15 PM	3	210	0	3	216	86	0	4	7	97	0	151	47	0	198	0	511
12:30 PM	4	206	0	6	216	96	0	4	2	102	0	149	50	0	199	0	517
12:45 PM	5	181	0	8	194	100	0	9	9	118	0	170	51	0	221	0	533
Total	19	826	0	28	873	397	0	28	29	454	0	642	202	0	844	0	2171
Grand Total	48	1699	0	46	1793	830	0	77	65	972	0	1319	422	0	1741	0	4506
Apprch %	2.7	94.8	0	2.6		85.4	0	7.9	6.7		0	75.8	24.2	0			
Total %	1.1	37.7	0	1	39.8	18.4	0	1.7	1.4	21.6	0	29.3	9.4	0	38.6	0	

	Kalakaua Avenue Southbound					Philip Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:15 AM																	
11:15 AM	**9**	**236**	0	5	**250**	**116**	0	11	13	**140**	0	**187**	**58**	0	**245**	0	**635**
11:30 AM	7	210	0	5	222	103	0	14	10	127	0	156	55	0	211	0	560
11:45 AM	7	202	0	3	212	99	0	14	7	120	0	159	51	0	210	0	542
12:00 PM	7	229	0	**11**	247	115	0	11	11	137	0	172	54	0	226	0	610
Total Volume	30	877	0	24	931	433	0	50	41	524	0	674	218	0	892	0	2347
% App. Total	3.2	94.2	0	2.6		82.6	0	9.5	7.8		0	75.6	24.4	0			
PHF	.833	.929	.000	.545	.931	.933	.000	.893	.788	.936	.000	.901	.940	.000	.910	.000	.924

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-5677
Counted:KF, SW
Weather:Clear

File Name : KalPhi PM
Site Code : 00000058
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Philip Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	4	230	0	9	243	94	0	22	10	126	0	176	96	0	272	0	641
04:15 PM	4	185	0	12	201	91	0	18	11	120	0	224	62	0	286	0	607
04:30 PM	10	204	0	17	231	78	0	17	15	110	0	212	80	0	292	0	633
04:45 PM	8	183	0	10	201	87	0	14	12	113	0	188	77	0	265	0	579
Total	26	802	0	48	876	350	0	71	48	469	0	800	315	0	1115	0	2460
05:00 PM	0	190	0	13	203	83	0	12	5	100	0	208	98	0	306	0	609
05:15 PM	6	201	0	16	223	92	0	11	22	125	0	190	86	0	276	0	624
05:30 PM	6	222	0	6	234	88	0	23	11	122	1	209	89	0	299	0	655
05:45 PM	11	210	0	3	224	78	0	16	11	105	0	162	83	0	245	0	574
Total	23	823	0	38	884	341	0	62	49	452	1	769	356	0	1126	0	2462
Grand Total	49	1625	0	86	1760	691	0	133	97	921	1	1569	671	0	2241	0	4922
Apprch %	2.8	92.3	0	4.9		75	0	14.4	10.5		0	70	29.9	0			
Total %	1	33	0	1.7	35.8	14	0	2.7	2	18.7	0	31.9	13.6	0	45.5	0	

	Kalakaua Avenue Southbound					Philip Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	**8**	183	0	10	201	87	0	14	12	113	0	188	77	0	265	0	579
05:00 PM	0	190	0	13	203	83	0	12	5	100	0	208	**98**	0	**306**	0	609
05:15 PM	6	201	0	**16**	223	**92**	0	11	**22**	**125**	0	190	86	0	276	0	624
05:30 PM	6	**222**	0	6	**234**	88	0	**23**	11	122	**1**	**209**	89	0	299	0	**655**
Total Volume	20	796	0	45	861	350	0	60	50	460	1	795	350	0	1146	0	2467
% App. Total	2.3	92.5	0	5.2		76.1	0	13	10.9		0.1	69.4	30.5	0			
PHF	.625	.896	.000	.703	.920	.951	.000	.652	.568	.920	.250	.951	.893	.000	.936	.000	.942

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

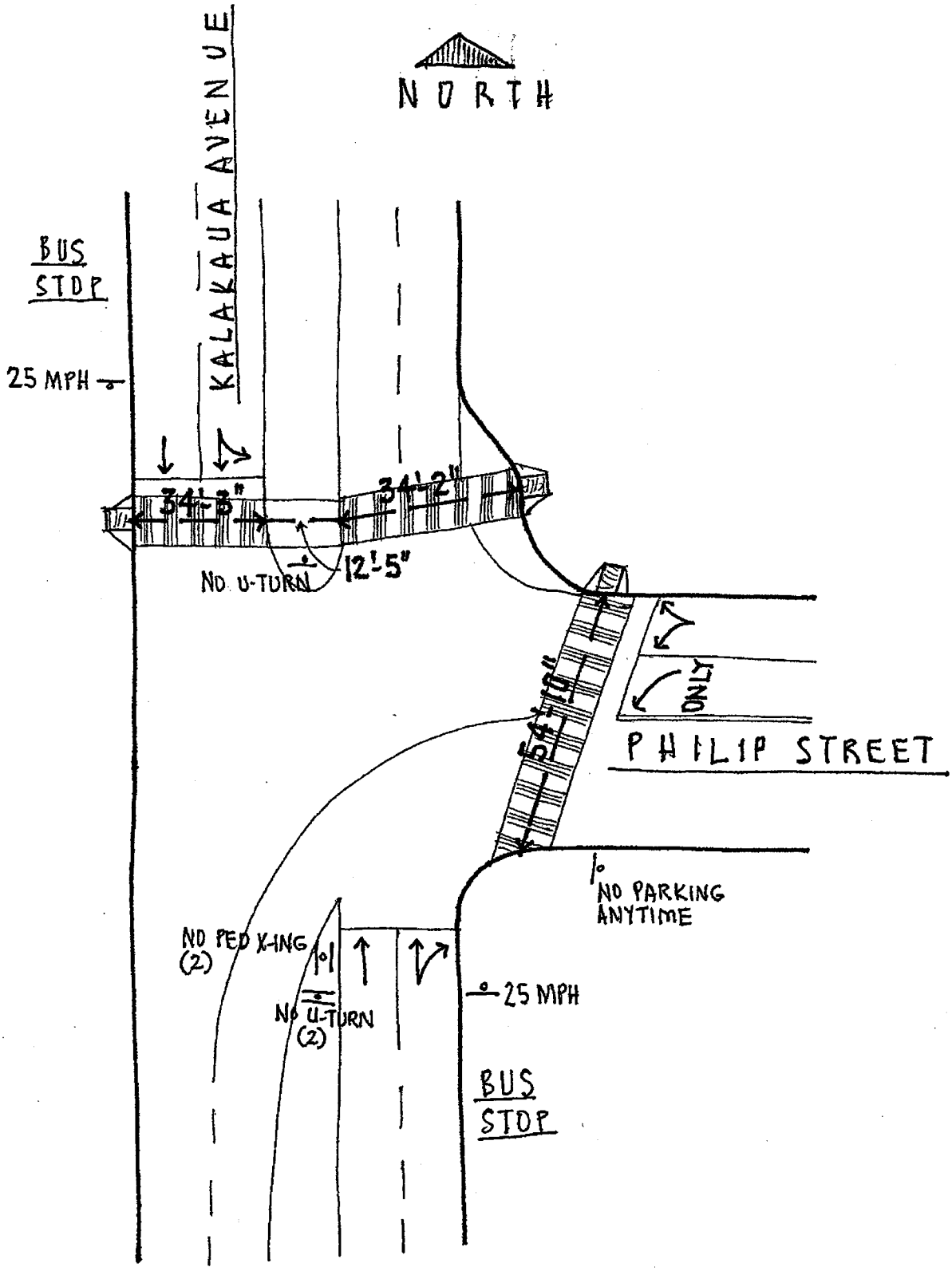
Counter:T-1839, D4-5676
Counted:TO, KK
Weather:Clear

File Name : KalPhi MIDDAY
Site Code : 00000058
Start Date : 5/31/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Phillip Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	5	211	0	1	217	92	2	23	6	123	0	161	47	0	208	0	548
11:15 AM	6	203	0	6	215	108	0	13	6	127	0	178	46	0	224	0	566
11:30 AM	7	203	0	8	218	108	0	8	4	120	0	169	57	0	226	0	564
11:45 AM	5	199	0	6	210	151	0	20	1	172	0	144	56	0	200	0	582
Total	23	816	0	21	860	459	2	64	17	542	0	652	206	0	858	0	2260
12:00 PM	1	196	0	7	204	116	0	13	5	134	0	159	38	0	197	0	535
12:15 PM	0	210	0	6	216	113	0	20	3	136	0	153	68	0	221	0	573
12:30 PM	6	194	0	2	202	88	0	8	3	99	0	165	54	0	219	0	520
12:45 PM	2	221	0	4	227	112	0	12	5	129	0	148	39	0	187	0	543
Total	9	821	0	19	849	429	0	53	16	498	0	625	199	0	824	0	2171
Grand Total	32	1637	0	40	1709	888	2	117	33	1040	0	1277	405	0	1682	0	4431
Apprch %	1.9	95.8	0	2.3		85.4	0.2	11.2	3.2		0	75.9	24.1	0			
Total %	0.7	36.9	0	0.9	38.6	20	0	2.6	0.7	23.5	0	28.8	9.1	0	38	0	

	Kalakaua Avenue Southbound					Phillip Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:00 AM																	
11:00 AM	5	**211**	0	1	217	92	**2**	**23**	**6**	123	0	161	47	0	208	0	548
11:15 AM	6	203	0	6	215	108	0	13	6	127	0	**178**	46	0	224	0	566
11:30 AM	**7**	203	0	**8**	**218**	108	0	8	4	120	0	169	**57**	0	**226**	0	564
11:45 AM	5	199	0	6	210	**151**	0	20	**1**	**172**	0	144	56	0	200	0	**582**
Total Volume	23	816	0	21	860	459	2	64	17	542	0	652	206	0	858	0	2260
% App. Total	2.7	94.9	0	2.4		84.7	0.4	11.8	3.1		0	76	24	0			
PHF	.821	.967	.000	.656	.986	.760	.250	.696	.708	.788	.000	.916	.904	.000	.949	.000	.971


NORTH
KALAKAUA AVENUE
BUS STOP
25 MPH
34'-8"
34'-2"
12'-5"
NO U-TURN
54'-10"
ONLY
PHILIP STREET
NO PARKING ANYTIME
NO PED X-ING (2)
NO U-TURN (2)
25 MPH
BUS STOP

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5674
Counted:JH, TG
Weather:Clear

File Name : KalKan AM
Site Code : 00000059
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Kanunu Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	241	38	9	288	0	25	143	0	0	168	16	0	4	3	23	479
06:45 AM	0	206	51	5	262	0	27	144	0	0	171	12	0	7	2	21	454
Total	0	447	89	14	550	0	52	287	0	0	339	28	0	11	5	44	933
07:00 AM	0	194	57	3	254	0	13	200	0	0	213	17	0	14	3	34	501
07:15 AM	0	201	69	5	275	0	33	216	0	0	249	12	0	12	5	29	553
07:30 AM	0	229	106	9	344	0	43	200	0	0	243	14	0	12	7	33	620
07:45 AM	0	218	108	7	333	0	33	200	0	0	233	16	0	7	5	28	594
Total	0	842	340	24	1206	0	122	816	0	0	938	59	0	45	20	124	2268
08:00 AM	0	228	148	13	389	0	26	161	0	0	187	19	0	8	1	28	604
08:15 AM	0	236	130	6	372	0	38	170	0	0	208	17	0	23	5	45	625
Grand Total	0	1753	707	57	2517	0	238	1434	0	0	1672	123	0	87	31	241	4430
Apprch %	0	69.6	28.1	2.3			14.2	85.8	0	0		51	0	36.1	12.9		
Total %	0	39.6	16	1.3	56.8	0	5.4	32.4	0	0	37.7	2.8	0	2	0.7	5.4	

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Kanunu Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	0	229	106	9	344	0	**43**	**200**	0	0	**243**	14	0	12	**7**	33	620
07:45 AM	0	218	108	7	333	0	33	200	0	0	233	16	0	7	5	28	594
08:00 AM	0	228	**148**	**13**	**389**	0	26	161	0	0	187	**19**	0	8	1	28	604
08:15 AM	0	**236**	130	6	372	0	38	170	0	0	208	17	0	**23**	5	**45**	**625**
Total Volume	0	911	492	35	1438	0	140	731	0	0	871	66	0	50	18	134	2443
% App. Total	0	63.4	34.2	2.4			16.1	83.9	0	0		49.3	0	37.3	13.4		
PHF	.000	.965	.831	.673	.924	.000	.814	.914	.000	.000	.896	.868	.000	.543	.643	.744	.977

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5674
Counted:LE, TG
Weather:Clear

File Name : KalKan MIDDAY
Site Code : 00000059
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Kanunu Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	234	105	7	346	0	21	179	0	0	200	64	0	17	9	90	636
11:15 AM	0	234	101	2	337	0	26	183	0	0	209	66	0	16	9	91	637
11:30 AM	0	231	110	7	348	0	22	162	0	0	184	41	0	24	5	70	602
11:45 AM	0	216	81	3	300	0	33	173	0	0	206	51	0	32	11	94	600
Total	0	915	397	19	1331	0	102	697	0	0	799	222	0	89	34	345	2475
12:00 PM	0	237	102	4	343	0	25	207	0	0	232	44	0	10	10	64	639
12:15 PM	0	211	89	8	308	0	24	162	0	0	186	68	0	13	7	88	582
12:30 PM	0	225	92	9	326	0	24	156	0	0	180	44	0	31	9	84	590
12:45 PM	0	206	95	7	308	0	26	159	0	0	185	54	0	29	10	93	586
Total	0	879	378	28	1285	0	99	684	0	0	783	210	0	83	36	329	2397
Grand Total	0	1794	775	47	2616	0	201	1381	0	0	1582	432	0	172	70	674	4872
Apprch %	0	68.6	29.6	1.8			12.7	87.3	0	0		64.1	0	25.5	10.4		
Total %	0	36.8	15.9	1	53.7	0	4.1	28.3	0	0	32.5	8.9	0	3.5	1.4	13.8	

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Kanunu Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:15 AM																	
11:15 AM	0	234	101	2	337	0	26	183	0	0	209	**66**	0	16	9	91	637
11:30 AM	0	231	**110**	**7**	**348**	0	22	162	0	0	184	41	0	24	5	70	602
11:45 AM	0	216	81	3	300	0	**33**	173	0	0	206	51	0	**32**	**11**	**94**	600
12:00 PM	0	**237**	102	4	343	0	25	**207**	0	0	**232**	44	0	10	10	64	**639**
Total Volume	0	918	394	16	1328	0	106	725	0	0	831	202	0	82	35	319	2478
% App. Total	0	69.1	29.7	1.2			12.8	87.2	0	0		63.3	0	25.7	11		
PHF	.000	.968	.895	.571	.954	.000	.803	.876	.000	.000	.895	.765	.000	.641	.795	.848	.969

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5674
Counted:RL, AF
Weather:Clear

File Name : KalKan PM
Site Code : 00000059
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Kanunu Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	214	85	4	303	0	33	219	0	0	252	56	0	31	11	98	653
04:15 PM	0	172	105	9	286	0	42	235	0	0	277	63	0	32	11	106	669
04:30 PM	1	194	101	9	305	0	34	230	0	0	264	75	0	41	7	123	692
04:45 PM	0	178	85	15	278	0	37	197	0	0	234	74	0	41	16	131	643
Total	1	758	376	37	1172	0	146	881	0	0	1027	268	0	145	45	458	2657
05:00 PM	0	195	79	12	286	0	25	236	0	0	261	77	0	39	30	146	693
05:15 PM	1	192	101	15	309	0	31	202	0	0	233	72	0	44	16	132	674
05:30 PM	0	198	108	9	315	0	38	229	0	0	267	59	0	29	22	110	692
05:45 PM	0	199	86	15	300	0	21	187	0	0	208	61	0	36	12	109	617
Total	1	784	374	51	1210	0	115	854	0	0	969	269	0	148	80	497	2676
Grand Total	2	1542	750	88	2382	0	261	1735	0	0	1996	537	0	293	125	955	5333
Apprch %	0.1	64.7	31.5	3.7			13.1	86.9	0	0		56.2	0	30.7	13.1		
Total %	0	28.9	14.1	1.7	44.7	0	4.9	32.5	0	0	37.4	10.1	0	5.5	2.3	17.9	

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Kanunu Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	1	194	**101**	9	305	0	34	230	0	0	**264**	75	0	41	7	123	692
04:45 PM	0	178	85	**15**	278	0	**37**	197	0	0	234	74	0	41	16	131	643
05:00 PM	0	**195**	79	12	286	0	25	**236**	0	0	261	**77**	0	39	**30**	**146**	**693**
05:15 PM	1	192	101	15	**309**	0	31	202	0	0	233	72	0	**44**	16	132	674
Total Volume	2	759	366	51	1178	0	127	865	0	0	992	298	0	165	69	532	2702
% App. Total	0.2	64.4	31.1	4.3			12.8	87.2	0	0		56	0	31	13		
PHF	.500	.973	.906	.850	.953	.000	.858	.916	.000	.000	.939	.968	.000	.938	.575	.911	.975

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

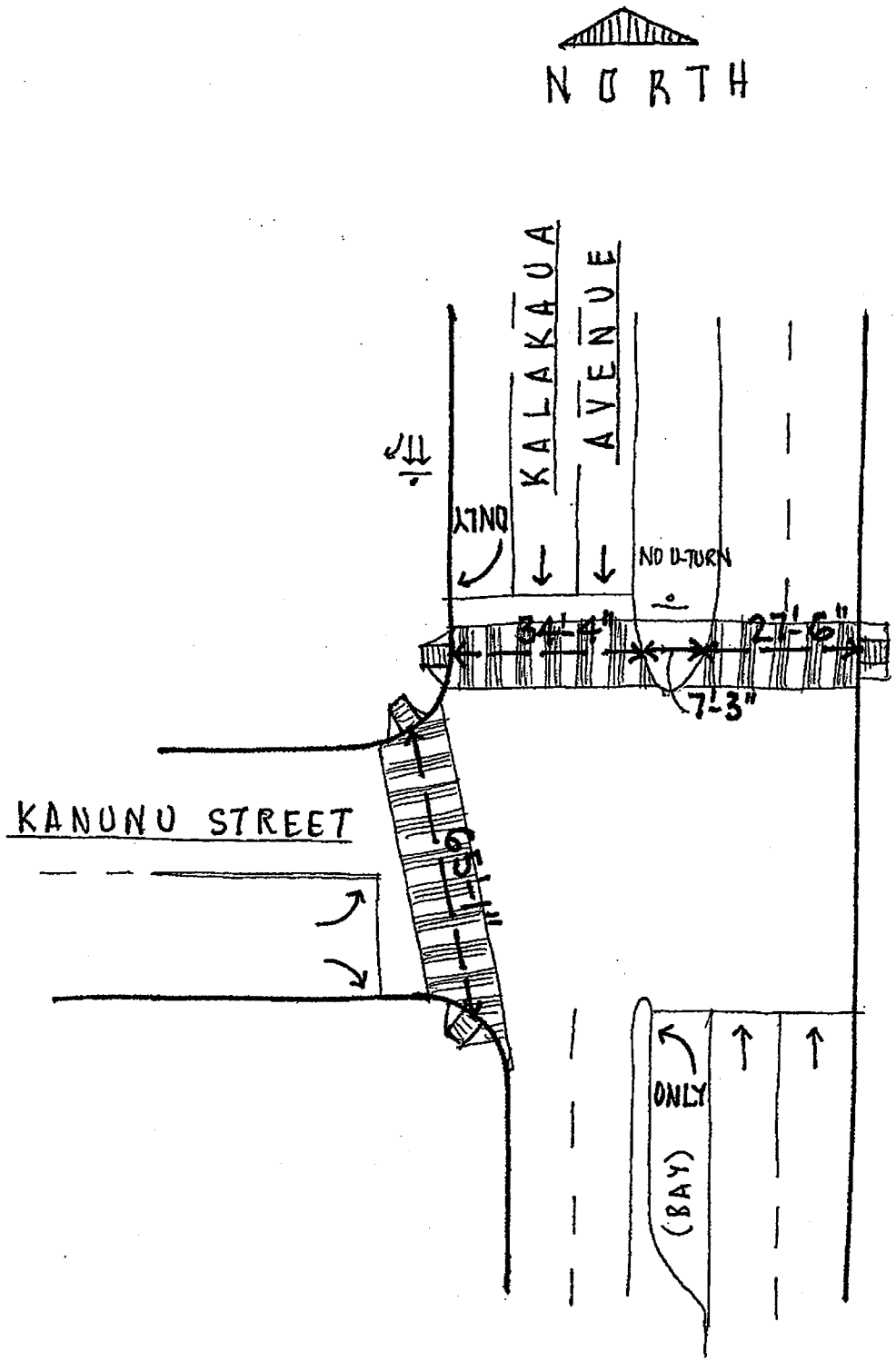
Counter:D4-3888, D4-5671
Counted:JY, RL
Weather:Clear

File Name : KalKan MIDDAY
Site Code : 00000059
Start Date : 5/31/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Kanunu Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	214	111	8	333	0	24	177	0	0	201	46	0	34	15	95	629
11:15 AM	0	213	104	7	324	0	30	169	0	0	199	58	0	24	16	98	621
11:30 AM	0	212	106	16	334	0	37	153	0	0	190	65	0	32	17	114	638
11:45 AM	0	220	110	9	339	0	29	137	0	0	166	57	0	21	20	98	603
Total	0	859	431	40	1330	0	120	636	0	0	756	226	0	111	68	405	2491
12:00 PM	0	213	94	9	316	0	18	158	0	0	176	57	0	32	21	110	602
12:15 PM	0	230	91	14	335	0	24	151	0	0	175	56	0	32	13	101	611
12:30 PM	0	198	83	19	300	0	19	159	0	0	178	55	0	36	7	98	576
12:45 PM	0	234	94	4	332	0	18	144	0	0	162	57	0	40	8	105	599
Total	0	875	362	46	1283	0	79	612	0	0	691	225	0	140	49	414	2388
Grand Total	0	1734	793	86	2613	0	199	1248	0	0	1447	451	0	251	117	819	4879
Apprch %	0	66.4	30.3	3.3			13.8	86.2	0	0		55.1	0	30.6	14.3		
Total %	0	35.5	16.3	1.8	53.6	0	4.1	25.6	0	0	29.7	9.2	0	5.1	2.4	16.8	

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Kanunu Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:00 AM																	
11:00 AM	0	214	**111**	8	333	0	24	**177**	0	0	**201**	46	0	**34**	15	95	629
11:15 AM	0	213	104	7	324	0	30	169	0	0	199	58	0	24	16	98	621
11:30 AM	0	212	106	**16**	334	0	**37**	153	0	0	190	**65**	0	32	17	**114**	**638**
11:45 AM	0	**220**	110	9	**339**	0	29	137	0	0	166	57	0	21	**20**	98	603
Total Volume	0	859	431	40	1330	0	120	636	0	0	756	226	0	111	68	405	2491
% App. Total	0	64.6	32.4	3			15.9	84.1	0	0		55.8	0	27.4	16.8		
PHF	.000	.976	.971	.625	.981	.000	.811	.898	.000	.000	.940	.869	.000	.816	.850	.888	.976


NORTH
KALAKAUA
AVENUE
ONLY
NO U-TURN
34'-4"
27'-6"
7'-3"
KANUNU STREET
ONLY
(BAY)

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-5675
Counted:JM, KK
Weather:Clear

File Name : KalMak AM
Site Code : 00000060
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	161	10	11	182	0	18	121	0	10	149	17	0	19	6	42	373
06:45 AM	0	209	15	10	234	0	27	165	0	16	208	13	0	16	7	36	478
Total	0	370	25	21	416	0	45	286	0	26	357	30	0	35	13	78	851
07:00 AM	0	181	17	10	208	0	34	172	0	9	215	10	0	25	4	39	462
07:15 AM	0	189	24	14	227	0	53	195	0	11	259	17	0	27	13	57	543
07:30 AM	0	213	24	26	263	0	18	92	0	3	113	22	0	42	6	70	446
07:45 AM	0	206	16	18	240	0	30	125	0	11	166	19	0	37	9	65	471
Total	0	789	81	68	938	0	135	584	0	34	753	68	0	131	32	231	1922
08:00 AM	0	202	42	17	261	0	76	163	0	7	246	23	0	27	3	53	560
08:15 AM	0	215	24	11	250	0	54	169	0	12	235	19	0	24	10	53	538
Grand Total	0	1576	172	117	1865	0	310	1202	0	79	1591	140	0	217	58	415	3871
Apprch %	0	84.5	9.2	6.3			19.5	75.5	0	5		33.7	0	52.3	14		
Total %	0	40.7	4.4	3	48.2	0	8	31.1	0	2	41.1	3.6	0	5.6	1.5	10.7	

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	189	24	14	227	0	53	**195**	0	**11**	**259**	17	0	27	**13**	57	543
07:30 AM	0	**213**	24	**26**	**263**	0	18	92	0	3	113	22	0	**42**	6	**70**	446
07:45 AM	0	206	16	18	240	0	30	125	0	11	166	19	0	37	9	65	471
08:00 AM	0	202	**42**	17	261	0	**76**	163	0	7	246	**23**	0	27	3	53	**560**
Total Volume	0	810	106	75	991	0	177	575	0	32	784	81	0	133	31	245	2020
% App. Total	0	**81.7**	10.7	7.6			22.6	73.3	0	4.1		33.1	0	54.3	12.7		
PHF	.000	.951	.631	.721	.942	.000	.582	.737	.000	.727	.757	.880	.000	.792	.596	.875	.902

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-3891
Counted:JM, KK
Weather:Clear

File Name : KalMak MIDDAY
Site Code : 00000060
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	245	27	19	291	0	51	122	0	2	175	34	0	45	12	91	557
11:15 AM	0	209	23	8	240	0	59	158	0	8	225	52	0	38	4	94	559
11:30 AM	0	201	25	0	226	0	37	145	0	14	196	34	0	49	6	89	511
11:45 AM	0	204	22	12	238	0	59	151	0	6	216	46	0	48	21	115	569
Total	0	859	97	39	995	0	206	576	0	30	812	166	0	180	43	389	2196
12:00 PM	0	189	28	21	238	0	38	172	0	11	221	29	0	47	11	87	546
12:15 PM	0	203	25	8	236	0	55	149	0	11	215	45	0	46	9	100	551
12:30 PM	0	188	26	19	233	0	48	127	0	8	183	49	0	48	16	113	529
12:45 PM	0	223	22	15	260	0	46	142	0	4	192	42	0	49	9	100	552
Total	0	803	101	63	967	0	187	590	0	34	811	165	0	190	45	400	2178
Grand Total	0	1662	198	102	1962	0	393	1166	0	64	1623	331	0	370	88	789	4374
Apprch %	0	84.7	10.1	5.2			24.2	71.8	0	3.9		42	0	46.9	11.2		
Total %	0	38	4.5	2.3	44.9	0	9	26.7	0	1.5	37.1	7.6	0	8.5	2	18	

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:00 AM																	
11:00 AM	0	**245**	**27**	**19**	**291**	0	51	122	0	2	175	34	0	45	12	91	557
11:15 AM	0	209	23	8	240	0	**59**	**158**	0	8	**225**	**52**	0	38	4	94	559
11:30 AM	0	201	25	0	226	0	37	145	0	**14**	196	34	0	**49**	6	89	511
11:45 AM	0	204	22	12	238	0	59	151	0	6	216	46	0	48	**21**	**115**	**569**
Total Volume	0	859	97	39	995	0	206	576	0	30	812	166	0	180	43	389	2196
% App. Total	0	86.3	9.7	3.9			25.4	70.9	0	3.7		42.7	0	46.3	11.1		
PHF	.000	.877	.898	.513	.855	.000	.873	.911	.000	.536	.902	.798	.000	.918	.512	.846	.965

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-3891
Counted:JM, KK
Weather:Clear

File Name : KalMak PM
Site Code : 00000060
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	183	12	17	212	0	49	173	0	12	234	52	0	59	9	120	566
04:15 PM	0	142	15	14	171	0	54	225	0	13	292	48	0	66	1	115	578
04:30 PM	0	141	25	12	178	0	47	172	0	12	231	75	0	61	8	144	553
04:45 PM	0	133	16	12	161	0	62	171	0	14	247	57	0	73	5	135	543
Total	0	599	68	55	722	0	212	741	0	51	1004	232	0	259	23	514	2240
05:00 PM	0	198	20	20	238	0	40	201	0	7	248	61	0	70	5	136	622
05:15 PM	0	165	16	22	203	0	42	172	0	11	225	66	0	97	16	179	607
05:30 PM	0	161	13	20	194	0	57	175	0	6	238	73	0	66	0	139	571
05:45 PM	0	194	7	13	214	0	60	145	0	7	212	62	0	77	0	139	565
Total	0	718	56	75	849	0	199	693	0	31	923	262	0	310	21	593	2365
Grand Total	0	1317	124	130	1571	0	411	1434	0	82	1927	494	0	569	44	1107	4605
Apprch %	0	83.8	7.9	8.3			21.3	74.4	0	4.3		44.6	0	51.4	4		
Total %	0	28.6	2.7	2.8	34.1	0	8.9	31.1	0	1.8	41.8	10.7	0	12.4	1	24	

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	**198**	**20**	20	**238**	0	40	**201**	0	7	**248**	61	0	70	5	136	**622**
05:15 PM	0	165	16	**22**	203	0	42	172	0	**11**	225	66	0	**97**	**16**	**179**	607
05:30 PM	0	161	13	20	194	0	57	175	0	6	238	**73**	0	66	0	139	571
05:45 PM	0	194	7	13	214	0	**60**	145	0	7	212	62	0	77	0	139	565
Total Volume	0	718	56	75	849	0	199	693	0	31	923	262	0	310	21	593	2365
% App. Total	0	84.6	6.6	8.8			21.6	75.1	0	3.4		44.2	0	52.3	3.5		
PHF	.000	.907	.700	.852	.892	.000	.829	.862	.000	.705	.930	.897	.000	.799	.328	.828	.951

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5675
Counted:ZW, DY
Weather:Clear

File Name : KalMak MIDDAY
Site Code : 00000060
Start Date : 5/31/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	264	28	38	330	0	57	160	0	8	225	31	0	29	13	73	628
11:15 AM	0	250	31	26	307	0	53	148	0	10	211	40	0	24	16	80	598
11:30 AM	0	243	25	17	285	0	66	166	0	6	238	31	0	32	21	84	607
11:45 AM	0	244	25	44	313	0	57	151	0	17	225	37	0	36	18	91	629
Total	0	1001	109	125	1235	0	233	625	0	41	899	139	0	121	68	328	2462
12:00 PM	0	219	34	18	271	0	55	122	0	8	185	41	0	35	10	86	542
12:15 PM	0	241	25	24	290	0	49	131	0	5	185	52	0	45	7	104	579
12:30 PM	0	237	26	16	279	0	49	137	0	7	193	49	0	44	12	105	577
12:45 PM	0	263	25	26	314	0	45	128	0	3	176	45	0	54	11	110	600
Total	0	960	110	84	1154	0	198	518	0	23	739	187	0	178	40	405	2298
Grand Total	0	1961	219	209	2389	0	431	1143	0	64	1638	326	0	299	108	733	4760
Apprch %	0	82.1	9.2	8.7			26.3	69.8	0	3.9		44.5	0	40.8	14.7		
Total %	0	41.2	4.6	4.4	50.2	0	9.1	24	0	1.3	34.4	6.8	0	6.3	2.3	15.4	

	Kalakaua Avenue Southbound					Westbound	Kalakaua Avenue Northbound					Makaloa Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:00 AM																	
11:00 AM	0	**264**	28	38	**330**	0	57	160	0	8	225	31	0	29	13	73	628
11:15 AM	0	250	**31**	26	307	0	53	148	0	10	211	**40**	0	24	16	80	598
11:30 AM	0	243	25	17	285	0	**66**	**166**	0	6	**238**	31	0	32	**21**	84	607
11:45 AM	0	244	25	**44**	313	0	57	151	0	**17**	225	37	0	**36**	18	**91**	**629**
Total Volume	0	1001	109	125	1235	0	233	625	0	41	899	139	0	121	68	328	2462
% App. Total	0	81.1	8.8	10.1			25.9	69.5	0	4.6		42.4	0	36.9	20.7		
PHF	.000	.948	.879	.710	.936	.000	.883	.941	.000	.603	.944	.869	.000	.840	.810	.901	.979

MAKALOA STREET
ONLY
ONLY
6'-6"
63'-4"
(BAY)
ONLY
35'-11"
9'-0"
24'-0"
ONLY
(BAY)
KALAKAUA AVENUE
NORTH

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0526, D4-5672
Counted:KK, AM
Weather:Clear

File Name : McCAlg AM
Site Code : 00000062
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Algaroba Street Westbound					McCully Street Northbound					Algaroba Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	1	133	0	0	134	3	2	7	2	14	2	139	2	0	143	3	1	7	4	15	306
06:45 AM	1	120	2	2	125	5	2	7	4	18	0	167	2	1	170	1	4	1	4	10	323
Total	2	253	2	2	259	8	4	14	6	32	2	306	4	1	313	4	5	8	8	25	629
07:00 AM	1	91	6	0	98	6	3	4	3	16	1	160	0	2	163	0	5	3	1	9	286
07:15 AM	0	115	4	1	120	1	14	3	1	19	2	154	0	0	156	1	2	2	7	12	307
07:30 AM	4	142	4	1	151	11	19	5	6	41	1	147	1	4	153	0	2	3	4	9	354
07:45 AM	2	137	7	2	148	6	13	11	2	32	2	149	4	2	157	5	8	6	7	26	363
Total	7	485	21	4	517	24	49	23	12	108	6	610	5	8	629	6	17	14	19	56	1310
08:00 AM	0	121	1	1	123	2	10	4	3	19	3	171	2	0	176	2	2	1	3	8	326
08:15 AM	2	147	4	1	154	12	11	14	2	39	1	176	2	1	180	4	2	1	0	7	380
Grand Total	11	1006	28	8	1053	46	74	55	23	198	12	1263	13	10	1298	16	26	24	30	96	2645
Apprch %	1	95.5	2.7	0.8		23.2	37.4	27.8	11.6		0.9	97.3	1	0.8		16.7	27.1	25	31.2		
Total %	0.4	38	1.1	0.3	39.8	1.7	2.8	2.1	0.9	7.5	0.5	47.8	0.5	0.4	49.1	0.6	1	0.9	1.1	3.6	

	McCully Street Southbound					Algaroba Street Westbound					McCully Street Northbound					Algaroba Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	**4**	142	4	1	151	**11**	**19**	5	**6**	**41**	1	147	1	**4**	153	0	2	3	4	9	354
07:45 AM	2	137	**7**	**2**	148	6	13	11	2	32	2	149	**4**	2	157	**5**	**8**	**6**	**7**	**26**	363
08:00 AM	0	121	**1**	1	123	2	**10**	4	3	19	**3**	171	2	0	176	2	2	1	3	8	326
08:15 AM	2	**147**	4	1	**154**	**12**	11	**14**	2	39	1	**176**	2	**1**	**180**	4	2	1	0	7	**380**
Total Volume	8	547	16	5	576	31	53	34	13	131	7	643	9	7	666	11	14	11	14	50	1423
% App. Total	1.4	95	2.8	0.9		23.7	40.5	26	9.9		1.1	96.5	1.4	1.1		22	28	22	28		
PHF	.500	.930	.571	.625	.935	.646	.697	.607	.542	.799	.583	.913	.563	.438	.925	.550	.438	.458	.500	.481	.936

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D1-0526
Counted:RB, AF
Weather:Clear

File Name : McCAlg MIDDAY
Site Code : 00000062
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Algaroba Street Westbound					McCully Street Northbound					Algaroba Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	2	118	8	3	131	5	9	8	3	25	5	181	3	7	196	1	5	4	2	12	364
11:15 AM	3	129	19	3	154	5	7	15	2	29	5	164	2	6	177	4	3	8	0	15	375
11:30 AM	1	157	11	0	169	5	5	7	5	22	2	156	4	8	170	3	2	2	3	10	371
11:45 AM	2	133	10	8	153	4	7	11	2	24	13	155	1	8	177	0	8	2	3	13	367
Total	8	537	48	14	607	19	28	41	12	100	25	656	10	29	720	8	18	16	8	50	1477
12:00 PM	4	128	20	3	155	3	4	11	8	26	1	161	1	8	171	2	4	0	7	13	365
12:15 PM	3	121	8	4	136	2	4	9	3	18	2	155	1	5	163	2	3	0	0	5	322
12:30 PM	3	126	7	0	136	0	2	8	4	14	1	179	0	6	186	2	4	4	2	12	348
12:45 PM	2	132	10	5	149	3	5	8	9	25	3	150	0	3	156	2	4	4	2	12	342
Total	12	507	45	12	576	8	15	36	24	83	7	645	2	22	676	8	15	8	11	42	1377
Grand Total	20	1044	93	26	1183	27	43	77	36	183	32	1301	12	51	1396	16	33	24	19	92	2854
Apprch %	1.7	88.3	7.9	2.2		14.8	23.5	42.1	19.7		2.3	93.2	0.9	3.7		17.4	35.9	26.1	20.7		
Total %	0.7	36.6	3.3	0.9	41.5	0.9	1.5	2.7	1.3	6.4	1.1	45.6	0.4	1.8	48.9	0.6	1.2	0.8	0.7	3.2	

	McCully Street Southbound					Algaroba Street Westbound					McCully Street Northbound					Algaroba Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	3	129	19	3	154	5	7	15	2	29	5	164	2	6	177	4	3	8	0	15	375
11:30 AM	1	157	11	0	169	5	5	7	5	22	2	156	4	8	170	3	2	2	3	10	371
11:45 AM	2	133	10	8	153	4	7	11	2	24	13	155	1	8	177	0	8	2	3	13	367
12:00 PM	4	128	20	3	155	3	4	11	8	26	1	161	1	8	171	2	4	0	7	13	365
Total Volume	10	547	60	14	631	17	23	44	17	101	21	636	8	30	695	9	17	12	13	51	1478
% App. Total	1.6	86.7	9.5	2.2		16.8	22.8	43.6	16.8		3	91.5	1.2	4.3		17.6	33.3	23.5	25.5		
PHF	.625	.871	.750	.438	.933	.850	.821	.733	.531	.871	.404	.970	.500	.938	.982	.563	.531	.375	.464	.850	.985

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

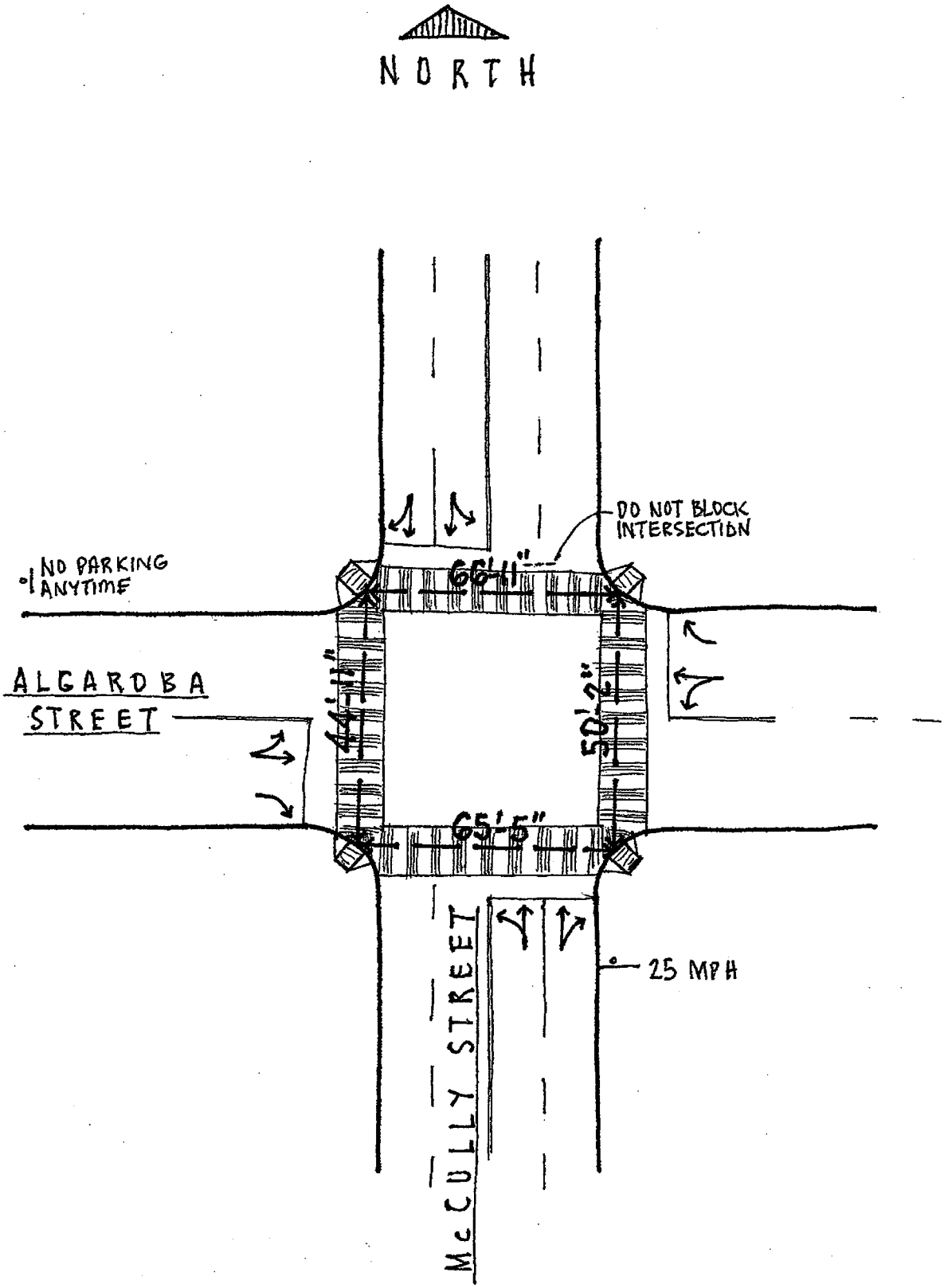
Counter:D1-0526, D4-5672
Counted:KK, RB
Weather:Clear

File Name : McCAlg PM
Site Code : 00000062
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Algaroba Street Westbound					McCully Street Northbound					Algaroba Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	1	133	13	2	149	6	3	8	5	22	2	199	3	9	213	5	6	3	4	18	402
04:15 PM	4	129	6	4	143	3	5	1	3	12	2	235	2	11	250	2	7	2	8	19	424
04:30 PM	1	148	10	5	164	2	9	5	5	21	4	195	4	21	224	5	6	5	9	25	434
04:45 PM	1	155	11	1	168	3	1	4	7	15	4	219	3	17	243	2	6	5	18	31	457
Total	7	565	40	12	624	14	18	18	20	70	12	848	12	58	930	14	25	15	39	93	1717
05:00 PM	2	157	12	3	174	1	8	9	13	31	1	194	1	17	213	8	8	6	8	30	448
05:15 PM	6	152	14	1	173	1	2	4	1	8	3	197	2	15	217	8	16	7	12	43	441
05:30 PM	4	200	14	6	224	5	4	2	7	18	1	202	1	14	218	4	12	7	6	29	489
05:45 PM	3	170	7	0	180	2	1	2	7	12	2	174	5	21	202	0	9	2	2	13	407
Total	15	679	47	10	751	9	15	17	28	69	7	767	9	67	850	20	45	22	28	115	1785
Grand Total	22	1244	87	22	1375	23	33	35	48	139	19	1615	21	125	1780	34	70	37	67	208	3502
Apprch %	1.6	90.5	6.3	1.6		16.5	23.7	25.2	34.5		1.1	90.7	1.2	7		16.3	33.7	17.8	32.2		
Total %	0.6	35.5	2.5	0.6	39.3	0.7	0.9	1	1.4	4	0.5	46.1	0.6	3.6	50.8	1	2	1.1	1.9	5.9	

	McCully Street Southbound					Algaroba Street Westbound					McCully Street Northbound					Algaroba Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	1	155	11	1	168	3	1	4	7	15	4	219	3	17	243	2	6	5	18	31	457
05:00 PM	2	157	12	3	174	1	8	9	13	31	1	194	1	17	213	8	8	6	8	30	448
05:15 PM	6	152	14	1	173	1	2	4	1	8	3	197	2	15	217	8	16	7	12	43	441
05:30 PM	4	200	14	6	224	5	4	2	7	18	1	202	1	14	218	4	12	7	6	29	489
Total Volume	13	664	51	11	739	10	15	19	28	72	9	812	7	63	891	22	42	25	44	133	1835
% App. Total	1.8	89.9	6.9	1.5		13.9	20.8	26.4	38.9		1	91.1	0.8	7.1		16.5	31.6	18.8	33.1		
PHF	.542	.830	.911	.458	.825	.500	.469	.528	.538	.581	.563	.927	.583	.926	.917	.688	.656	.893	.611	.773	.938


NORTH
DO NOT BLOCK INTERSECTION
NO PARKING ANYTIME
66'-11"
ALGARDBA STREET
44'-11"
50'-2"
65'-5"
25 MPH
McCULLY STREET

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-3891
Counted:DK, JM
Weather:Clear

File Name : McCFer AM
Site Code : 00000063
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Fern Street Westbound					McCully Street Northbound					Fern Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	2	126	7	2	137	2	15	5	5	27	3	146	2	3	154	0	0	0	4	4	322
06:45 AM	3	102	5	3	113	5	13	1	1	20	1	132	1	2	136	6	3	4	0	13	282
Total	5	228	12	5	250	7	28	6	6	47	4	278	3	5	290	6	3	4	4	17	604
07:00 AM	3	97	9	4	113	7	10	7	7	31	1	128	2	0	131	9	7	6	0	22	297
07:15 AM	4	106	12	14	136	6	20	3	5	34	1	130	1	2	134	3	11	5	0	19	323
07:30 AM	0	118	11	11	140	9	40	8	8	65	2	133	2	6	143	7	15	9	1	32	380
07:45 AM	0	111	16	8	135	10	39	4	3	56	5	124	1	0	130	5	11	9	2	27	348
Total	7	432	48	37	524	32	109	22	23	186	9	515	6	8	538	24	44	29	3	100	1348
08:00 AM	1	124	4	3	132	6	18	1	7	32	2	135	0	3	140	6	9	5	2	22	326
08:15 AM	1	151	7	4	163	10	18	6	7	41	1	137	2	0	140	9	7	6	0	22	366
Grand Total	14	935	71	49	1069	55	173	35	43	306	16	1065	11	16	1108	45	63	44	9	161	2644
Apprch %	1.3	87.5	6.6	4.6		18	56.5	11.4	14.1		1.4	96.1	1	1.4		28	39.1	27.3	5.6		
Total %	0.5	35.4	2.7	1.9	40.4	2.1	6.5	1.3	1.6	11.6	0.6	40.3	0.4	0.6	41.9	1.7	2.4	1.7	0.3	6.1	

	McCully Street Southbound					Fern Street Westbound					McCully Street Northbound					Fern Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	118	11	**11**	140	9	**40**	**8**	**8**	**65**	2	133	**2**	**6**	**143**	7	**15**	**9**	1	**32**	**380**
07:45 AM	0	111	**16**	8	135	**10**	39	4	3	56	**5**	124	1	0	130	5	11	9	**2**	27	348
08:00 AM	**1**	124	4	3	132	6	18	1	7	32	2	135	0	3	140	6	9	5	2	22	326
08:15 AM	1	**151**	7	4	**163**	10	18	6	7	**41**	1	**137**	2	0	140	**9**	7	6	0	22	366
Total Volume	2	504	38	26	570	35	115	19	25	194	10	529	5	9	553	27	42	29	5	103	1420
% App. Total	0.4	88.4	6.7	4.6		18	59.3	9.8	12.9		1.8	95.7	0.9	1.6		26.2	40.8	28.2	4.9		
PHF	.500	.834	.594	.591	.874	.875	.719	.594	.781	.746	.500	.965	.625	.375	.967	.750	.700	.806	.625	.805	.934

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D3-3891
Counted:DK, JM
Weather:Clear

File Name : McCFer Midday
Site Code : 00000063
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Fern Street Westbound					McCully Street Northbound					Fern Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	14	180	19	36	249	11	40	43	59	153	0	127	7	1	135	3	10	4	3	20	557
11:15 AM	24	140	25	55	244	20	37	37	66	160	2	147	3	7	159	4	15	8	2	29	592
11:30 AM	23	169	25	51	268	18	32	26	51	127	1	140	4	9	154	1	11	5	3	20	569
11:45 AM	21	143	19	38	221	19	29	43	65	156	2	130	1	10	143	7	9	4	0	20	540
Total	82	632	88	180	982	68	138	149	241	596	5	544	15	27	591	15	45	21	8	89	2258
12:00 PM	16	147	20	77	260	11	38	28	95	172	2	158	1	0	161	5	9	9	2	25	618
12:15 PM	21	153	19	67	260	15	35	44	59	153	0	137	4	2	143	3	9	6	1	19	575
12:30 PM	15	150	18	67	250	12	34	37	78	161	0	156	7	0	163	2	11	5	1	19	593
12:45 PM	24	171	34	47	276	21	40	31	81	173	0	133	1	0	134	7	11	8	0	26	609
Total	76	621	91	258	1046	59	147	140	313	659	2	584	13	2	601	17	40	28	4	89	2395
Grand Total	158	1253	179	438	2028	127	285	289	554	1255	7	1128	28	29	1192	32	85	49	12	178	4653
Apprch %	7.8	61.8	8.8	21.6		10.1	22.7	23	44.1		0.6	94.6	2.3	2.4		18	47.8	27.5	6.7		
Total %	3.4	26.9	3.8	9.4	43.6	2.7	6.1	6.2	11.9	27	0.2	24.2	0.6	0.6	25.6	0.7	1.8	1.1	0.3	3.8	

	McCully Street Southbound					Fern Street Westbound					McCully Street Northbound					Fern Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	16	147	20	**77**	260	11	38	28	**95**	172	**2**	**158**	1	0	161	5	9	**9**	**2**	25	**618**
12:15 PM	21	153	19	67	260	15	35	**44**	59	153	0	137	4	**2**	143	3	9	6	1	19	575
12:30 PM	15	150	18	67	250	12	34	37	78	161	0	156	7	0	**163**	2	**11**	5	**1**	19	593
12:45 PM	**24**	**171**	**34**	47	**276**	**21**	**40**	31	81	**173**	0	133	**1**	0	134	**7**	11	8	**0**	**26**	609
Total Volume	76	621	91	258	1046	59	147	140	313	659	2	584	13	2	601	17	40	28	4	89	2395
% App. Total	7.3	59.4	8.7	24.7		9	22.3	21.2	47.5		0.3	97.2	2.2	0.3		19.1	44.9	31.5	4.5		
PHF	.792	.908	.669	.838	.947	.702	.919	.795	.824	.952	.250	.924	.464	.250	.922	.607	.909	.778	.500	.856	.969

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

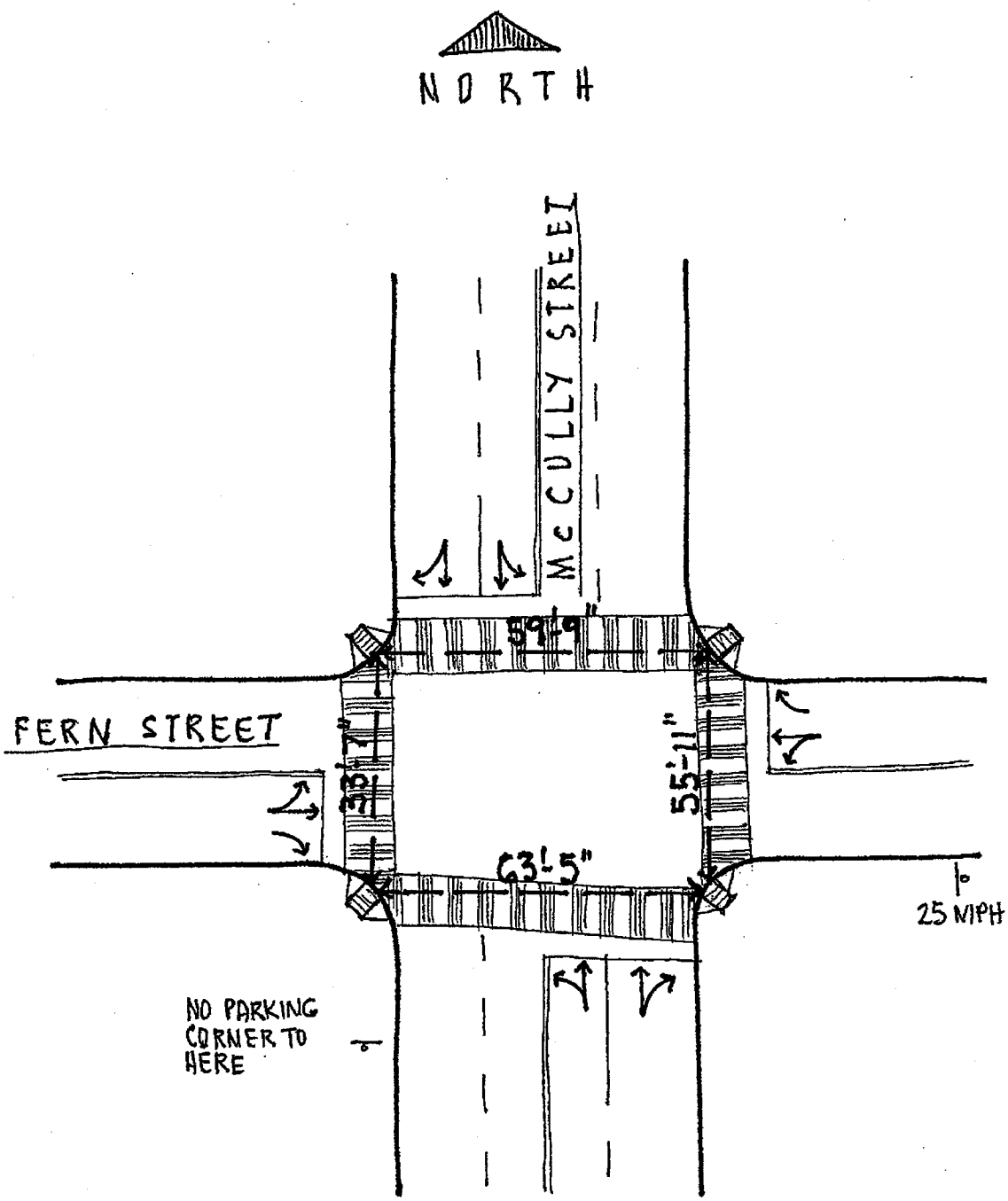
Counter:D4-5673, D4-3891
Counted:DK, JM
Weather:Clear

File Name : McCFer PM
Site Code : 00000063
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Fern Street Westbound					McCully Street Northbound					Fern Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	11	139	17	61	228	17	30	27	103	177	3	193	3	0	199	6	22	13	2	43	647
04:15 PM	14	157	15	55	241	16	21	22	67	126	2	217	4	0	223	6	30	7	7	50	640
04:30 PM	24	154	13	56	247	17	33	21	69	140	3	166	3	1	173	8	17	6	2	33	593
04:45 PM	21	159	37	55	272	14	20	19	79	132	2	196	5	1	204	10	35	8	7	60	668
Total	70	609	82	227	988	64	104	89	318	575	10	772	15	2	799	30	104	34	18	186	2548
05:00 PM	23	144	25	71	263	18	23	17	83	141	3	160	1	6	170	5	35	11	10	61	635
05:15 PM	18	158	20	60	256	12	17	22	78	129	3	196	3	1	203	16	26	6	4	52	640
05:30 PM	24	140	19	72	255	18	17	27	66	128	1	193	5	2	201	5	23	4	4	36	620
05:45 PM	21	129	16	60	226	12	22	27	69	130	2	141	2	3	148	5	25	7	8	45	549
Total	86	571	80	263	1000	60	79	93	296	528	9	690	11	12	722	31	109	28	26	194	2444
Grand Total	156	1180	162	490	1988	124	183	182	614	1103	19	1462	26	14	1521	61	213	62	44	380	4992
Apprch %	7.8	59.4	8.1	24.6		11.2	16.6	16.5	55.7		1.2	96.1	1.7	0.9		16.1	56.1	16.3	11.6		
Total %	3.1	23.6	3.2	9.8	39.8	2.5	3.7	3.6	12.3	22.1	0.4	29.3	0.5	0.3	30.5	1.2	4.3	1.2	0.9	7.6	

	McCully Street Southbound					Fern Street Westbound					McCully Street Northbound					Fern Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	21	**159**	**37**	55	**272**	14	20	19	79	132	2	**196**	**5**	1	**204**	10	**35**	8	7	60	**668**
05:00 PM	23	144	25	71	263	**18**	**23**	17	**83**	**141**	**3**	160	1	**6**	170	5	35	**11**	**10**	**61**	635
05:15 PM	18	158	20	60	256	12	17	22	78	129	3	196	3	1	203	**16**	26	6	4	52	640
05:30 PM	**24**	140	19	**72**	255	18	17	**27**	66	128	1	193	5	2	201	5	23	4	4	36	620
Total Volume	86	601	101	258	1046	62	77	85	306	530	9	745	14	10	778	36	119	29	25	209	2563
% App. Total	8.2	57.5	9.7	24.7		11.7	14.5	16	57.7		1.2	95.8	1.8	1.3		17.2	56.9	13.9	12		
PHF	.896	.945	.682	.896	.961	.861	.837	.787	.922	.940	.750	.950	.700	.417	.953	.563	.850	.659	.625	.857	.959


NORTH
McCULLY STREET
59'-9"
FERN STREET
33'-7"
55'-11"
63'-5"
25 MPH
NO PARKING
CORNER TO
HERE

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0768, D4-5675
Counted:ME, DY
Weather:Clear

File Name : McCCit AM
Site Code : 00000064
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Citron Street Westbound					McCully Street Northbound					Citron Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	2	143	0	3	148	6	18	17	2	43	0	117	0	5	122	0	0	0	1	1	314
06:45 AM	2	122	4	1	129	9	24	25	2	60	3	155	2	3	163	0	0	0	2	2	354
Total	4	265	4	4	277	15	42	42	4	103	3	272	2	8	285	0	0	0	3	3	668
07:00 AM	4	102	3	1	110	15	33	27	9	84	1	143	1	7	152	0	0	0	10	10	356
07:15 AM	3	101	4	4	112	10	49	29	3	91	2	159	3	3	167	0	0	0	11	11	381
07:30 AM	3	144	7	2	156	8	58	31	2	99	3	170	4	9	186	0	0	0	21	21	462
07:45 AM	3	142	3	7	155	12	56	37	1	106	5	145	5	6	161	0	0	0	9	9	431
Total	13	489	17	14	533	45	196	124	15	380	11	617	13	25	666	0	0	0	51	51	1630
08:00 AM	2	122	1	6	131	5	47	35	7	94	2	166	1	4	173	0	0	0	1	1	399
08:15 AM	2	158	2	0	162	6	26	26	3	61	0	157	1	3	161	0	0	0	6	6	390
Grand Total	21	1034	24	24	1103	71	311	227	29	638	16	1212	17	40	1285	0	0	0	61	61	3087
Apprch %	1.9	93.7	2.2	2.2		11.1	48.7	35.6	4.5		1.2	94.3	1.3	3.1		0	0	0	100		
Total %	0.7	33.5	0.8	0.8	35.7	2.3	10.1	7.4	0.9	20.7	0.5	39.3	0.6	1.3	41.6	0	0	0	2	2	

	McCully Street Southbound					Citron Street Westbound					McCully Street Northbound					Citron Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	3	144	7	2	156	8	58	31	2	99	3	170	4	9	186	0	0	0	21	21	462
07:45 AM	3	142	3	7	155	12	56	37	1	106	5	145	5	6	161	0	0	0	9	9	431
08:00 AM	2	122	1	6	131	5	47	35	7	94	2	166	1	4	173	0	0	0	1	1	399
08:15 AM	2	158	2	0	162	6	26	26	3	61	0	157	1	3	161	0	0	0	6	6	390
Total Volume	10	566	13	15	604	31	187	129	13	360	10	638	11	22	681	0	0	0	37	37	1682
% App. Total	1.7	93.7	2.2	2.5		8.6	51.9	35.8	3.6		1.5	93.7	1.6	3.2		0	0	0	100		
PHF	.833	.896	.464	.536	.932	.646	.806	.872	.464	.849	.500	.938	.550	.611	.915	.000	.000	.000	.440	.440	.910

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0768, D4-5675
Counted:ME. DY
Weather:Clear

File Name : McCCit Midday
Site Code : 00000064
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Citron Street Westbound					McCully Street Northbound					Citron Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	6	119	4	1	130	1	13	14	0	28	3	191	1	2	197	0	0	0	0	0	355
11:15 AM	2	139	5	1	147	2	9	14	5	30	3	167	1	4	175	0	0	0	0	0	352
11:30 AM	6	156	2	0	164	6	19	17	1	43	1	167	2	2	172	0	0	0	1	1	380
11:45 AM	6	147	4	0	157	3	9	10	3	25	3	153	0	3	159	0	0	0	1	1	342
Total	20	561	15	2	598	12	50	55	9	126	10	678	4	11	703	0	0	0	2	2	1429
12:00 PM	2	125	11	2	140	4	17	10	3	34	2	158	1	3	164	0	0	0	4	4	342
12:15 PM	2	135	3	2	142	2	15	9	4	30	1	162	1	4	168	0	0	0	4	4	344
12:30 PM	4	122	3	4	133	6	12	9	2	29	1	174	3	6	184	0	0	0	2	2	348
12:45 PM	3	128	5	1	137	5	14	15	2	36	1	153	1	1	156	0	0	0	1	1	330
Total	11	510	22	9	552	17	58	43	11	129	5	647	6	14	672	0	0	0	11	11	1364
Grand Total	31	1071	37	11	1150	29	108	98	20	255	15	1325	10	25	1375	0	0	0	13	13	2793
Apprch %	2.7	93.1	3.2	1		11.4	42.4	38.4	7.8		1.1	96.4	0.7	1.8		0	0	0	100		
Total %	1.1	38.3	1.3	0.4	41.2	1	3.9	3.5	0.7	9.1	0.5	47.4	0.4	0.9	49.2	0	0	0	0.5	0.5	

	McCully Street Southbound					Citron Street Westbound					McCully Street Northbound					Citron Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	**6**	119	4	**1**	130	1	13	14	0	28	**3**	**191**	1	2	**197**	0	0	0	0	0	355
11:15 AM	2	139	**5**	1	147	2	9	14	**5**	30	3	167	1	**4**	175	0	0	0	0	0	352
11:30 AM	6	**156**	2	0	**164**	**6**	**19**	**17**	1	**43**	1	167	**2**	2	172	0	0	0	**1**	**1**	**380**
11:45 AM	6	147	4	0	157	3	9	10	3	25	3	153	0	3	159	0	0	0	1	1	342
Total Volume	20	561	15	2	598	12	50	55	9	126	10	678	4	11	703	0	0	0	2	2	1429
% App. Total	3.3	93.8	2.5	0.3		9.5	39.7	43.7	7.1		1.4	96.4	0.6	1.6		0	0	0	100		
PHF	.833	.899	.750	.500	.912	.500	.658	.809	.450	.733	.833	.887	.500	.688	.892	.000	.000	.000	.500	.500	.940

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

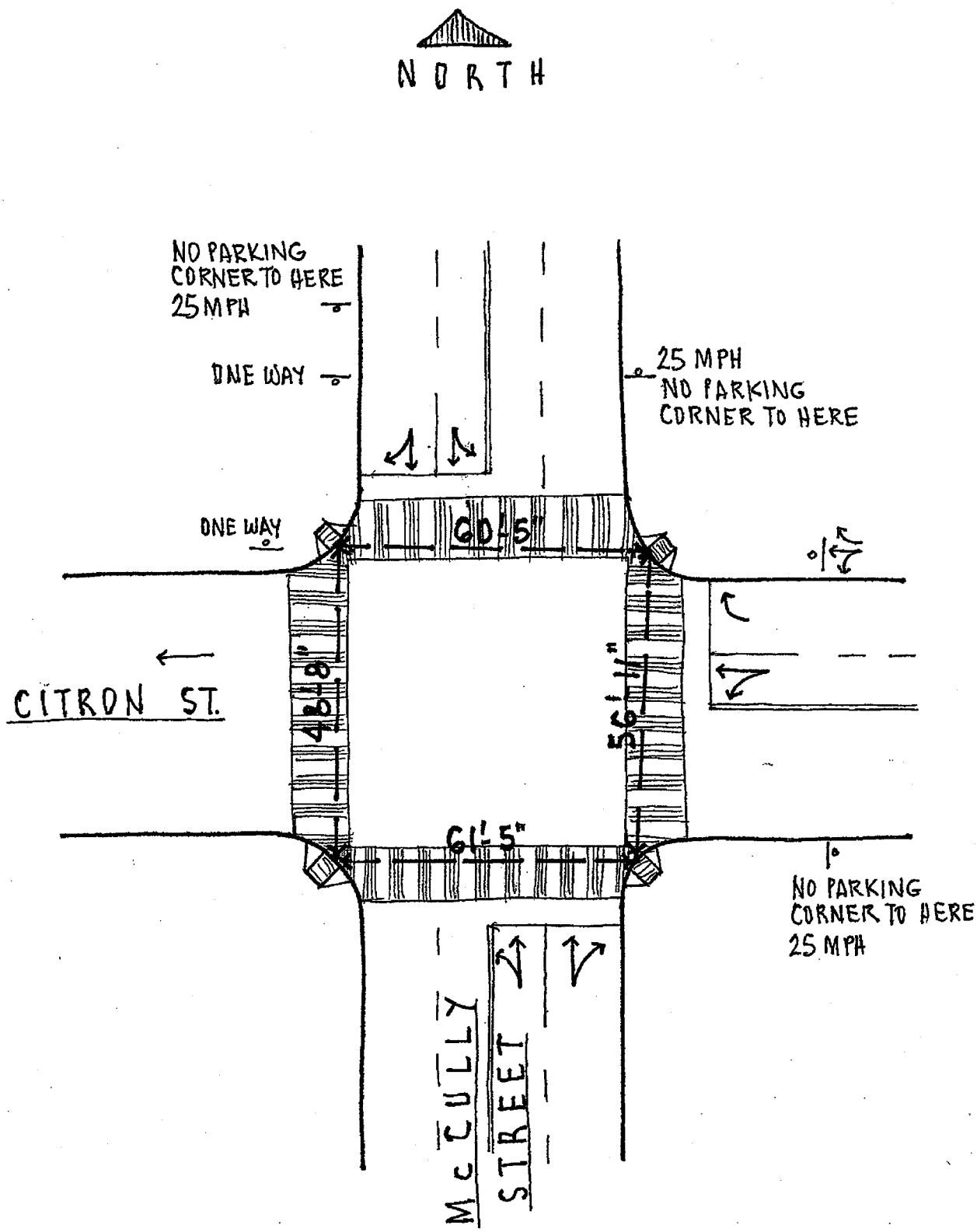
Counter:D1-0768, D4-5675
Counted:ME, DY
Weather:Clear

File Name : McCCit PM
Site Code : 00000064
Start Date : 4/16/2008
Page No : 1

Groups Printed- Unshifted

	McCully Street Southbound					Citron Street Westbound					McCully Street Northbound					Citron Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	5	148	7	3	163	17	41	14	5	77	1	210	5	2	218	0	0	0	4	4	462
04:15 PM	7	141	8	3	159	4	28	14	6	52	5	242	8	1	256	0	0	0	6	6	473
04:30 PM	7	131	8	5	151	13	27	21	7	68	1	189	6	3	199	0	0	0	11	11	429
04:45 PM	7	149	8	13	177	12	36	21	11	80	4	212	5	3	224	0	0	0	8	8	489
Total	26	569	31	24	650	46	132	70	29	277	11	853	24	9	897	0	0	0	29	29	1853
05:00 PM	10	150	6	6	172	8	39	10	12	69	3	188	4	8	203	0	0	0	4	4	448
05:15 PM	5	154	8	8	175	10	42	7	11	70	1	219	6	5	231	0	0	0	2	2	478
05:30 PM	22	180	8	6	216	8	25	14	9	56	6	204	7	4	221	0	0	0	7	7	500
05:45 PM	17	174	11	4	206	7	24	14	12	57	3	181	6	3	193	0	0	0	3	3	459
Total	54	658	33	24	769	33	130	45	44	252	13	792	23	20	848	0	0	0	16	16	1885
Grand Total	80	1227	64	48	1419	79	262	115	73	529	24	1645	47	29	1745	0	0	0	45	45	3738
Apprch %	5.6	86.5	4.5	3.4		14.9	49.5	21.7	13.8		1.4	94.3	2.7	1.7		0	0	0	100		
Total %	2.1	32.8	1.7	1.3	38	2.1	7	3.1	2	14.2	0.6	44	1.3	0.8	46.7	0	0	0	1.2	1.2	

	McCully Street Southbound					Citron Street Westbound					McCully Street Northbound					Citron Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	7	149	**8**	**13**	177	**12**	36	**21**	11	**80**	4	212	5	3	224	0	0	0	**8**	**8**	489
05:00 PM	10	150	6	6	172	8	39	10	**12**	69	3	188	4	**8**	203	0	0	0	4	4	448
05:15 PM	5	154	8	8	175	10	**42**	7	11	70	1	**219**	6	5	**231**	0	0	0	2	2	478
05:30 PM	**22**	**180**	8	6	**216**	8	25	14	9	56	**6**	204	**7**	4	221	0	0	0	7	7	**500**
Total Volume	44	633	30	33	740	38	142	52	43	275	14	823	22	20	879	0	0	0	21	21	1915
% App. Total	5.9	85.5	4.1	4.5		13.8	51.6	18.9	15.6		1.6	93.6	2.5	2.3		0	0	0	100		
PHF	.500	.879	.938	.635	.856	.792	.845	.619	.896	.859	.583	.939	.786	.625	.951	.000	.000	.000	.656	.656	.958


NORTH
NO PARKING
CORNER TO HERE
25 MPH
ONE WAY
25 MPH
NO PARKING
CORNER TO HERE
ONE WAY
60'-5"
CITRON ST.
48'-8"
56'-11"
61'-5"
NO PARKING
CORNER TO HERE
25 MPH
McCULLY
STREET

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0525, D4-5674
Counted:KK, VT
Weather:Clear

File Name : PunBin AM
Site Code : 00000066
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Bingham Street Westbound					Punahou Street Northbound					H-1 Off-Ramp Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
06:30 AM	0	85	19	0	104	0	0	0	18	18	17	76	0	3	96	261	57	139	8	465	683
06:45 AM	0	126	13	0	139	0	0	0	31	31	20	110	0	9	139	154	42	192	5	393	702
Total	0	211	32	0	243	0	0	0	49	49	37	186	0	12	235	415	99	331	13	858	1385
07:00 AM	0	150	15	0	165	0	0	0	25	25	11	112	0	18	141	142	26	184	12	364	695
07:15 AM	0	185	29	0	214	0	0	0	32	32	21	107	0	10	138	140	37	194	20	391	775
07:30 AM	0	204	24	0	228	0	0	0	25	25	36	130	0	27	193	182	53	190	31	456	902
07:45 AM	0	202	44	0	246	0	0	0	22	22	33	156	0	13	202	239	66	106	17	428	898
Total	0	741	112	0	853	0	0	0	104	104	101	505	0	68	674	703	182	674	80	1639	3270
08:00 AM	0	146	13	0	159	0	0	0	21	21	40	144	0	4	188	267	85	117	13	482	850
08:15 AM	0	116	26	0	142	0	0	0	14	14	39	121	0	3	163	267	65	91	10	433	752
Grand Total	0	1214	183	0	1397	0	0	0	188	188	217	956	0	87	1260	1652	431	1213	116	3412	6257
Apprch %	0	86.9	13.1	0		0	0	0	100		17.2	75.9	0	6.9		48.4	12.6	35.6	3.4		
Total %	0	19.4	2.9	0	22.3	0	0	0	3	3	3.5	15.3	0	1.4	20.1	26.4	6.9	19.4	1.9	54.5	

	Punahou Street Southbound					Bingham Street Westbound					Punahou Street Northbound					H-1 Off-Ramp Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	185	29	0	214	0	0	0	**32**	**32**	21	107	0	10	138	140	37	**194**	20	391	775
07:30 AM	0	**204**	24	0	228	0	0	0	25	25	36	130	0	**27**	193	182	53	190	**31**	456	**902**
07:45 AM	0	202	**44**	0	**246**	0	0	0	22	22	33	**156**	0	13	**202**	239	66	106	17	428	898
08:00 AM	0	146	13	0	159	0	0	0	21	21	**40**	144	0	4	188	**267**	**85**	117	13	**482**	850
Total Volume	0	737	110	0	847	0	0	0	100	100	130	537	0	54	721	828	241	607	81	1757	3425
% App. Total	0	87	13	0		0	0	0	100		18	74.5	0	7.5		47.1	13.7	34.5	4.6		
PHF	.000	.903	.625	.000	.861	.000	.000	.000	.781	.781	.813	.861	.000	.500	.892	.775	.709	.782	.653	.911	.949

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0525, D4-5674
Counted:KK, SW
Weather:Clear

File Name : PunBin MIDDAY
Site Code : 00000066
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Bingham Street Westbound					Punahou Street Northbound					H-1 Off-Ramp Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
11:00 AM	0	92	14	0	106	0	0	0	7	7	25	135	0	1	161	253	63	72	3	391	665
11:15 AM	0	98	17	0	115	0	0	0	5	5	22	109	0	4	135	242	40	106	5	393	648
11:30 AM	0	91	17	0	108	0	0	0	9	9	14	122	0	5	141	254	47	96	1	398	656
11:45 AM	0	85	11	0	96	0	0	0	8	8	15	146	0	6	167	233	57	100	9	399	670
Total	0	366	59	0	425	0	0	0	29	29	76	512	0	16	604	982	207	374	18	1581	2639
12:00 PM	0	105	11	0	116	0	0	0	12	12	21	139	0	6	166	259	47	82	6	394	688
12:15 PM	0	85	17	0	102	0	0	0	11	11	27	144	0	5	176	270	57	110	5	442	731
12:30 PM	0	83	14	0	97	0	0	0	8	8	20	141	0	4	165	267	60	92	7	426	696
12:45 PM	0	88	15	0	103	0	0	0	8	8	15	129	0	7	151	235	77	93	8	413	675
Total	0	361	57	0	418	0	0	0	39	39	83	553	0	22	658	1031	241	377	26	1675	2790
Grand Total	0	727	116	0	843	0	0	0	68	68	159	1065	0	38	1262	2013	448	751	44	3256	5429
Apprch %	0	86.2	13.8	0		0	0	0	100		12.6	84.4	0	3		61.8	13.8	23.1	1.4		
Total %	0	13.4	2.1	0	15.5	0	0	0	1.3	1.3	2.9	19.6	0	0.7	23.2	37.1	8.3	13.8	0.8	60	

	Punahou Street Southbound					Bingham Street Westbound					Punahou Street Northbound					H-1 Off-Ramp Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	**105**	11	0	**116**	0	0	0	**12**	**12**	21	139	0	6	166	259	47	82	6	394	688
12:15 PM	0	85	**17**	0	102	0	0	0	11	11	**27**	**144**	0	5	**176**	**270**	57	**110**	5	**442**	**731**
12:30 PM	0	83	14	0	97	0	0	0	8	8	20	141	0	4	165	267	60	92	7	426	696
12:45 PM	0	88	15	0	103	0	0	0	8	8	15	129	0	7	151	235	**77**	93	8	413	675
Total Volume	0	361	57	0	418	0	0	0	39	39	83	553	0	22	658	1031	241	377	26	1675	2790
% App. Total	0	86.4	13.6	0		0	0	0	100		12.6	84	0	3.3		61.6	14.4	22.5	1.6		
PHF	.000	.860	.838	.000	.901	.000	.000	.000	.813	.813	.769	.960	.000	.786	.935	.955	.782	.857	.813	.947	.954

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

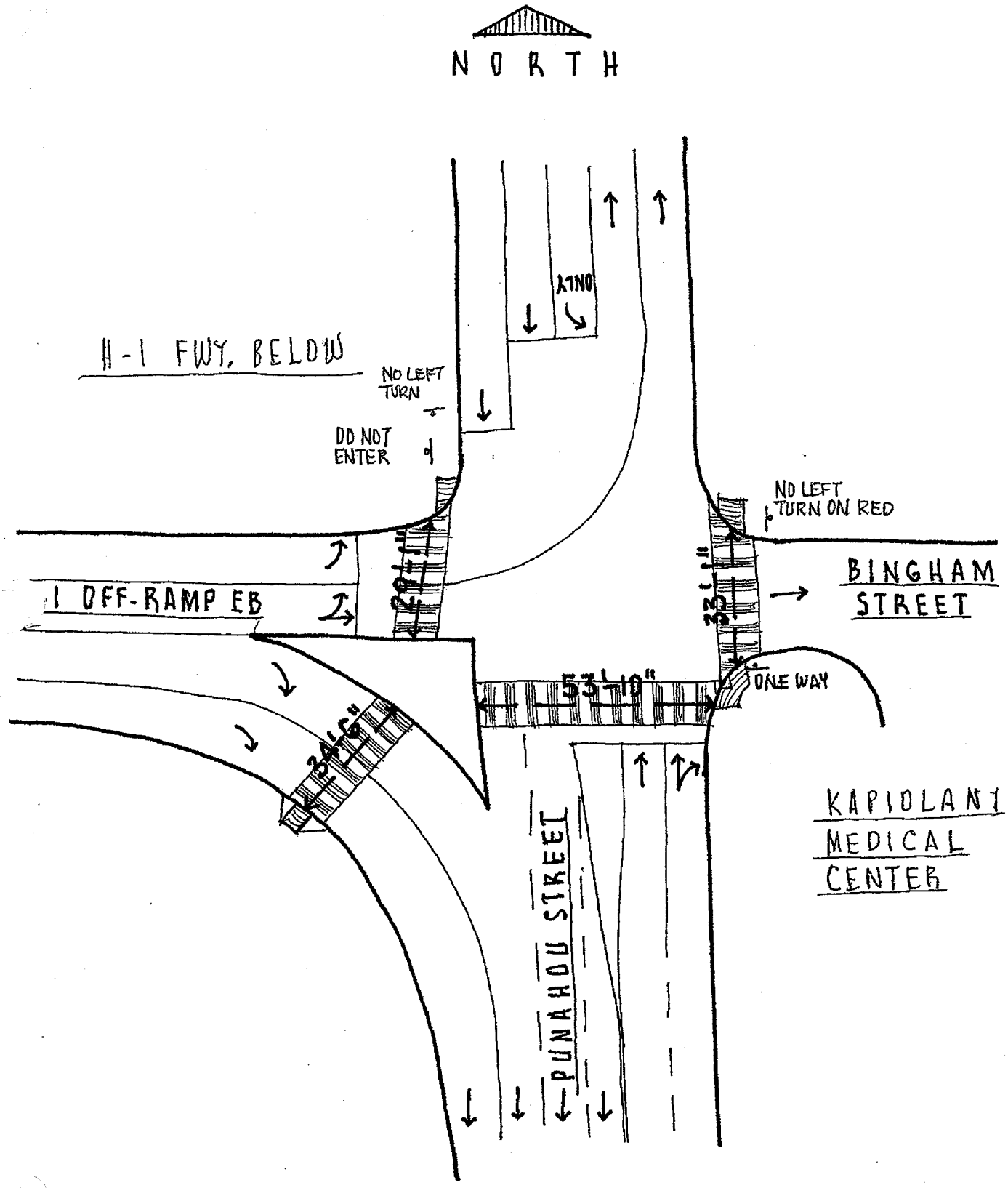
Counter:D1-0525, D4-5674
Counted: SW, AN
Weather:Clear

File Name : PunBin PM
Site Code : 00000066
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Bingham Street Westbound					Punahou Street Northbound					H-1 Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	101	0	0	101	0	0	0	23	23	0	205	16	2	223	117	43	155	3	318	665
04:15 PM	1	76	0	0	77	0	0	0	17	17	0	217	16	1	234	127	37	140	5	309	637
04:30 PM	0	123	0	0	123	0	0	0	30	30	0	232	20	5	257	124	40	135	2	301	711
04:45 PM	2	96	0	0	98	0	0	0	23	23	0	229	20	5	254	127	40	152	7	326	701
Total	3	396	0	0	399	0	0	0	93	93	0	883	72	13	968	495	160	582	17	1254	2714
05:00 PM	1	108	0	0	109	0	0	0	30	30	0	263	22	7	292	108	48	128	9	293	724
05:15 PM	0	111	0	0	111	0	0	0	20	20	0	213	17	1	231	113	41	110	3	267	629
05:30 PM	3	81	0	0	84	0	0	0	32	32	0	218	23	2	243	104	42	147	4	297	656
05:45 PM	1	83	0	0	84	0	0	0	21	21	0	211	13	4	228	100	41	139	5	285	618
Total	5	383	0	0	388	0	0	0	103	103	0	905	75	14	994	425	172	524	21	1142	2627
Grand Total	8	779	0	0	787	0	0	0	196	196	0	1788	147	27	1962	920	332	1106	38	2396	5341
Apprch %	1	99	0	0		0	0	0	100		0	91.1	7.5	1.4		38.4	13.9	46.2	1.6		
Total %	0.1	14.6	0	0	14.7	0	0	0	3.7	3.7	0	33.5	2.8	0.5	36.7	17.2	6.2	20.7	0.7	44.9	

	Punahou Street Southbound					Bingham Street Westbound					Punahou Street Northbound					H-1 Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	1	76	0	0	77	0	0	0	17	17	0	217	16	1	234	**127**	37	140	5	309	637
04:30 PM	0	**123**	0	0	**123**	0	0	0	**30**	**30**	0	232	20	5	257	124	40	135	2	301	711
04:45 PM	**2**	96	0	0	98	0	0	0	23	23	0	229	20	5	254	127	40	**152**	7	**326**	701
05:00 PM	1	108	0	0	109	0	0	0	30	30	0	**263**	**22**	**7**	**292**	108	**48**	128	**9**	293	**724**
Total Volume	4	403	0	0	407	0	0	0	100	100	0	941	78	18	1037	486	165	555	23	1229	2773
% App. Total	1	99	0	0		0	0	0	100		0	90.7	7.5	1.7		39.5	13.4	45.2	1.9		
PHF	.500	.819	.000	.000	.827	.000	.000	.000	.833	.833	.000	.894	.886	.643	.888	.957	.859	.913	.639	.942	.958


NORTH
H-1 FWY. BELOW
NO LEFT TURN
DO NOT ENTER
ONLY
NO LEFT TURN ON RED
BINGHAM STREET
I OFF-RAMP EB
ONE WAY
KAPIOLANI MEDICAL CENTER
PUNAHOU STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5672
Counted:ER, TG
Weather:Clear

File Name : PunDol AM
Site Code : 00000067
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Dole Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
06:30 AM	2	290	0	59	351	52	0	3	16	71	0	152	70	0	222	0	644
06:45 AM	4	298	0	56	358	98	0	13	31	142	0	190	92	0	282	0	782
Total	6	588	0	115	709	150	0	16	47	213	0	342	162	0	504	0	1426
07:00 AM	6	331	0	94	431	101	0	21	25	147	0	217	58	0	275	0	853
07:15 AM	3	387	0	98	488	118	0	15	40	173	0	216	73	0	289	0	950
07:30 AM	5	384	0	70	459	108	0	10	33	151	0	225	76	0	301	0	911
07:45 AM	3	337	0	36	376	134	0	17	21	172	0	207	55	0	262	0	810
Total	17	1439	0	298	1754	461	0	63	119	643	0	865	262	0	1127	0	3524
08:00 AM	3	301	0	23	327	64	0	3	21	88	0	169	71	0	240	0	655
08:15 AM	1	299	0	6	306	47	0	4	8	59	0	138	67	0	205	0	570
Grand Total	27	2627	0	442	3096	722	0	86	195	1003	0	1514	562	0	2076	0	6175
Apprch %	0.9	84.9	0	14.3		72	0	8.6	19.4		0	72.9	27.1	0			
Total %	0.4	42.5	0	7.2	50.1	11.7	0	1.4	3.2	16.2	0	24.5	9.1	0	33.6	0	

	Punahou Street Southbound					Dole Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	**6**	331	0	94	431	101	0	**21**	25	147	0	217	58	0	275	0	853
07:15 AM	3	**387**	0	**98**	**488**	118	0	15	**40**	**173**	0	216	73	0	289	0	**950**
07:30 AM	5	384	0	70	459	108	0	10	33	151	0	**225**	**76**	0	**301**	0	911
07:45 AM	3	337	0	36	376	**134**	0	17	21	172	0	207	55	0	262	0	810
Total Volume	17	1439	0	298	1754	461	0	63	119	643	0	865	262	0	1127	0	3524
% App. Total	1	82	0	17		71.7	0	9.8	18.5		0	76.8	23.2	0			
PHF	.708	.930	.000	.760	.899	.860	.000	.750	.744	.929	.000	.961	.862	.000	.936	.000	.927

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-5672
Counted:ER, TG
Weather:Clear

File Name : PunDol MIDDAY
Site Code : 00000067
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Dole Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	170	2	7	179	22	0	4	5	31	5	142	77	0	224	0	434
11:15 AM	1	171	4	0	176	22	0	2	2	26	6	169	60	0	235	0	437
11:30 AM	5	177	5	5	192	27	0	2	6	35	4	148	59	0	211	0	438
11:45 AM	1	158	2	4	165	14	0	3	8	25	14	149	62	1	226	0	416
Total	7	676	13	16	712	85	0	11	21	117	29	608	258	1	896	0	1725
12:00 PM	5	175	3	9	192	16	0	11	13	40	6	155	59	0	220	0	452
12:15 PM	1	141	5	8	155	20	0	1	8	29	5	166	60	2	233	0	417
12:30 PM	2	166	2	6	176	17	0	2	4	23	6	162	62	0	230	0	429
12:45 PM	0	198	1	12	211	8	0	7	12	27	3	166	55	0	224	0	462
Total	8	680	11	35	734	61	0	21	37	119	20	649	236	2	907	0	1760
Grand Total	15	1356	24	51	1446	146	0	32	58	236	49	1257	494	3	1803	0	3485
Apprch %	1	93.8	1.7	3.5		61.9	0	13.6	24.6		2.7	69.7	27.4	0.2			
Total %	0.4	38.9	0.7	1.5	41.5	4.2	0	0.9	1.7	6.8	1.4	36.1	14.2	0.1	51.7	0	

	Punahou Street Southbound					Dole Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:00 PM																	
12:00 PM	**5**	175	3	9	192	16	0	**11**	**13**	**40**	**6**	155	59	0	220	0	452
12:15 PM	1	141	**5**	8	155	**20**	0	1	8	29	5	**166**	60	**2**	**233**	0	417
12:30 PM	2	166	2	6	176	17	0	2	4	23	6	162	**62**	0	230	0	429
12:45 PM	0	**198**	1	**12**	**211**	8	0	7	12	27	3	166	55	0	224	0	**462**
Total Volume	8	680	11	35	734	61	0	21	37	119	20	649	236	2	907	0	1760
% App. Total	1.1	92.6	1.5	4.8		51.3	0	17.6	31.1		2.2	71.6	26	0.2			
PHF	.400	.859	.550	.729	.870	.763	.000	.477	.712	.744	.833	.977	.952	.250	.973	.000	.952

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

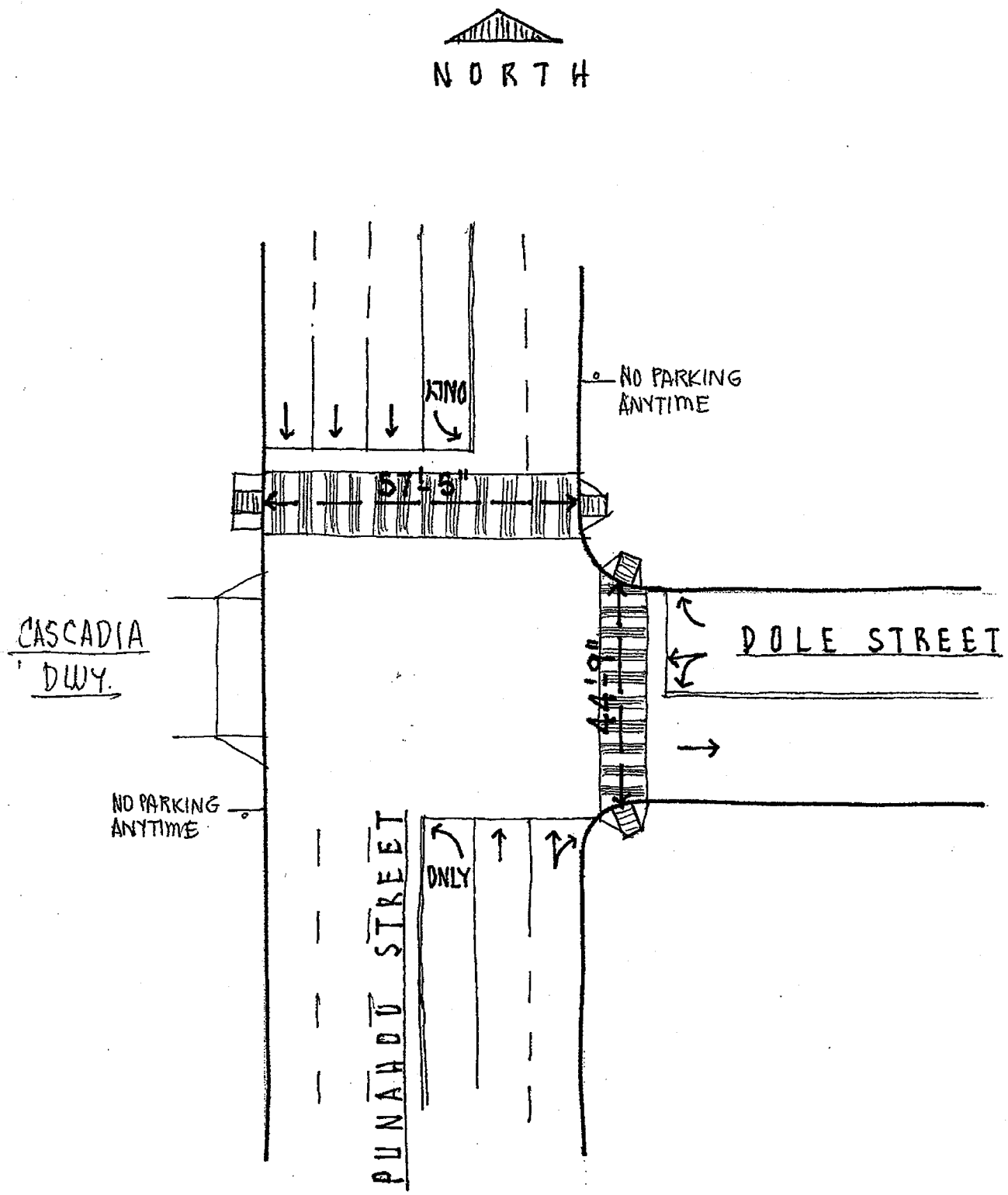
Counter:T-1841, D4-5672
Counted:ER, TG
Weather:Clear

File Name : PunDol PM
Site Code : 00000067
Start Date : 4/29/2008
Page No : 1

Groups Printed- Unshifted

	Punahou Street Southbound					Dole Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	6	246	0	10	262	82	0	6	18	106	0	243	75	0	318	0	686
04:15 PM	6	206	0	10	222	93	0	9	15	117	0	233	60	0	293	0	632
04:30 PM	5	248	0	9	262	94	0	15	17	126	0	225	77	0	302	0	690
04:45 PM	5	233	0	8	246	63	0	9	15	87	0	244	77	0	321	0	654
Total	22	933	0	37	992	332	0	39	65	436	0	945	289	0	1234	0	2662
05:00 PM	6	229	0	16	251	68	0	8	19	95	0	244	105	6	355	0	701
05:15 PM	9	210	0	6	225	37	0	9	7	53	0	206	90	0	296	0	574
05:30 PM	6	213	0	11	230	40	0	6	30	76	0	224	85	0	309	0	615
05:45 PM	2	209	0	7	218	33	0	4	15	52	0	221	88	0	309	0	579
Total	23	861	0	40	924	178	0	27	71	276	0	895	368	6	1269	0	2469
Grand Total	45	1794	0	77	1916	510	0	66	136	712	0	1840	657	6	2503	0	5131
Apprch %	2.3	93.6	0	4		71.6	0	9.3	19.1		0	73.5	26.2	0.2			
Total %	0.9	35	0	1.5	37.3	9.9	0	1.3	2.7	13.9	0	35.9	12.8	0.1	48.8	0	

	Punahou Street Southbound					Dole Street Westbound					Punahou Street Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	**6**	206	0	10	222	93	0	9	15	117	0	233	60	0	293	0	632
04:30 PM	5	**248**	0	9	**262**	**94**	0	**15**	17	**126**	0	225	77	0	302	0	690
04:45 PM	5	233	0	8	246	63	0	9	15	87	0	**244**	77	0	321	0	654
05:00 PM	6	229	0	**16**	251	68	0	8	**19**	95	0	244	**105**	**6**	**355**	0	**701**
Total Volume	22	916	0	43	981	318	0	41	66	425	0	946	319	6	1271	0	2677
% App. Total	2.2	93.4	0	4.4		74.8	0	9.6	15.5		0	74.4	25.1	0.5			
PHF	.917	.923	.000	.672	.936	.846	.000	.683	.868	.843	.000	.969	.760	.250	.895	.000	.955


NORTH
NO PARKING ANYTIME
ONLY
57'-5"
CASCADIA DWY.
DOLE STREET
44'-10"
NO PARKING ANYTIME
ONLY
PUNAHOU STREET

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-5672
Counted:JM, WA
Weather:Clear

File Name : KalFer MIDDAY
Site Code : 00000000
Start Date : 5/31/2008
Page No : 1

Groups Printed- Unshifted

	Kalakaua Avenue Southbound					Fern Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	27	225	3	7	262	3	0	35	3	41	0	187	8	7	202	0	505
11:15 AM	20	216	0	1	237	1	0	15	1	17	0	192	2	7	201	0	455
11:30 AM	20	247	0	10	277	3	0	30	0	33	0	188	4	9	201	0	511
11:45 AM	19	248	1	3	271	2	0	27	1	30	0	176	6	7	189	0	490
Total	86	936	4	21	1047	9	0	107	5	121	0	743	20	30	793	0	1961
12:00 PM	22	230	0	5	257	3	0	10	4	17	0	163	2	7	172	0	446
12:15 PM	23	245	0	6	274	2	0	14	1	17	0	168	3	5	176	0	467
12:30 PM	22	227	0	0	249	6	0	19	0	25	0	162	6	11	179	0	453
12:45 PM	32	270	0	6	308	2	0	14	3	19	0	155	3	11	169	0	496
Total	99	972	0	17	1088	13	0	57	8	78	0	648	14	34	696	0	1862
Grand Total	185	1908	4	38	2135	22	0	164	13	199	0	1391	34	64	1489	0	3823
Apprch %	8.7	89.4	0.2	1.8		11.1	0	82.4	6.5		0	93.4	2.3	4.3			
Total %	4.8	49.9	0.1	1	55.8	0.6	0	4.3	0.3	5.2	0	36.4	0.9	1.7	38.9	0	

	Kalakaua Avenue Southbound					Fern Street Westbound					Kalakaua Avenue Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:00 AM																	
11:00 AM	27	225	3	7	262	3	0	35	3	41	0	187	8	7	202	0	505
11:15 AM	20	216	0	1	237	1	0	15	1	17	0	192	2	7	201	0	455
11:30 AM	20	247	0	10	277	3	0	30	0	33	0	188	4	9	201	0	511
11:45 AM	19	248	1	3	271	2	0	27	1	30	0	176	6	7	189	0	490
Total Volume	86	936	4	21	1047	9	0	107	5	121	0	743	20	30	793	0	1961
% App. Total	8.2	89.4	0.4	2		7.4	0	88.4	4.1		0	93.7	2.5	3.8			
PHF	.796	.944	.333	.525	.945	.750	.000	.764	.417	.738	.000	.967	.625	.833	.981	.000	.959

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D1-0768
Counted:RY, Jeremy
Weather:Clear

File Name : KamUlu AM
Site Code : 00000009
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Kapolei Theatre Parking Lot Southbound					Kamokila Blvd. Westbound					Uluohia Street Northbound					Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	2	0	3	1	6	13	143	8	1	165	15	1	4	3	23	0	43	18	3	64	258
06:45 AM	3	0	0	0	3	26	127	6	1	160	18	0	6	2	26	1	47	15	5	68	257
Total	5	0	3	1	9	39	270	14	2	325	33	1	10	5	49	1	90	33	8	132	515
07:00 AM	2	1	0	2	5	18	88	11	1	118	13	1	4	2	20	1	48	19	1	69	212
07:15 AM	1	0	1	3	5	23	115	14	0	152	17	0	3	2	22	1	71	21	9	102	281
07:30 AM	3	0	0	2	5	32	113	20	4	169	16	1	2	3	22	8	81	32	21	142	338
07:45 AM	7	0	0	1	8	22	91	16	0	129	19	2	7	2	30	5	67	19	25	116	283
Total	13	1	1	8	23	95	407	61	5	568	65	4	16	9	94	15	267	91	56	429	1114
08:00 AM	8	0	1	2	11	21	102	13	0	136	31	3	17	3	54	2	56	17	7	82	283
08:15 AM	4	1	3	2	10	22	88	14	1	125	15	1	18	1	35	5	58	13	5	81	251
Grand Total	30	2	8	13	53	177	867	102	8	1154	144	9	61	18	232	23	471	154	76	724	2163
Apprch %	56.6	3.8	15.1	24.5		15.3	75.1	8.8	0.7		62.1	3.9	26.3	7.8		3.2	65.1	21.3	10.5		
Total %	1.4	0.1	0.4	0.6	2.5	8.2	40.1	4.7	0.4	53.4	6.7	0.4	2.8	0.8	10.7	1.1	21.8	7.1	3.5	33.5	

	Kapolei Theatre Parking Lot Southbound					Kamokila Blvd. Westbound					Uluohia Street Northbound					Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	1	0	1	3	5	23	115	14	0	152	17	0	3	2	22	1	71	21	9	102	281
07:30 AM	3	0	0	2	5	32	113	20	4	169	16	1	2	3	22	8	81	32	21	142	338
07:45 AM	7	0	0	1	8	22	91	16	0	129	19	2	7	2	30	5	67	19	25	116	283
08:00 AM	8	0	1	2	11	21	102	13	0	136	31	3	17	3	54	2	56	17	7	82	283
Total Volume	19	0	2	8	29	98	421	63	4	586	83	6	29	10	128	16	275	89	62	442	1185
% App. Total	65.5	0	6.9	27.6		16.7	71.8	10.8	0.7		64.8	4.7	22.7	7.8		3.6	62.2	20.1	14		
PHF	.594	.000	.500	.667	.659	.766	.915	.788	.250	.867	.669	.500	.426	.833	.593	.500	.849	.695	.620	.778	.876

WILSON OKAMOT CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888
Counted:TO
Weather:Clear

File Name : KamUlu MIDDAY
Site Code : 00000009
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Kapolei Theatre Parking Lot Southbound					Kamokila Blvd. Westbound					Uluohia Street Northbound					Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	25	6	4	2	37	20	95	32	1	148	21	3	19	10	53	1	89	17	16	123	361
11:15 AM	26	9	2	5	42	20	87	28	3	138	20	7	22	12	61	9	65	23	6	103	344
11:30 AM	21	8	1	4	34	31	108	14	5	158	18	5	16	9	48	8	123	17	21	169	409
11:45 AM	17	5	1	1	24	29	113	13	2	157	13	7	16	1	37	18	97	16	39	170	388
Total	89	28	8	12	137	100	403	87	11	601	72	22	73	32	199	36	374	73	82	565	1502
12:00 PM	25	5	3	18	51	20	122	24	3	169	16	6	23	27	72	6	114	8	32	160	452
12:15 PM	20	2	1	3	26	19	115	24	3	161	23	10	17	8	58	3	104	30	19	156	401
12:30 PM	24	7	3	2	36	29	105	16	4	154	31	4	16	5	56	6	97	18	9	130	376
12:45 PM	24	11	2	12	49	35	111	17	10	173	18	12	25	5	60	6	92	15	22	135	417
Total	93	25	9	35	162	103	453	81	20	657	88	32	81	45	246	21	407	71	82	581	1646
Grand Total	182	53	17	47	299	203	856	168	31	1258	160	54	154	77	445	57	781	144	164	1146	3148
Apprch %	60.9	17.7	5.7	15.7		16.1	68	13.4	2.5		36	12.1	34.6	17.3		5	68.2	12.6	14.3		
Total %	5.8	1.7	0.5	1.5	9.5	6.4	27.2	5.3	1	40	5.1	1.7	4.9	2.4	14.1	1.8	24.8	4.6	5.2	36.4	

	Kapolei Theatre Parking Lot Southbound					Kamokila Blvd. Westbound					Uluohia Street Northbound					Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	21	**8**	1	4	34	**31**	108	14	**5**	158	18	5	16	9	48	8	**123**	17	21	169	409
11:45 AM	17	5	1	1	24	29	113	13	2	157	13	7	16	1	37	**18**	97	16	**39**	**170**	388
12:00 PM	**25**	5	**3**	**18**	**51**	20	**122**	**24**	3	**169**	16	6	**23**	**27**	**72**	6	114	8	32	160	**452**
12:15 PM	20	2	1	3	26	19	115	24	3	161	**23**	**10**	17	8	58	3	104	**30**	19	156	401
Total Volume	83	20	6	26	135	99	458	75	13	645	70	28	72	45	215	35	438	71	111	655	1650
% App. Total	61.5	14.8	4.4	19.3		15.3	71	11.6	2		32.6	13	33.5	20.9		5.3	66.9	10.8	16.9		
PHF	.830	.625	.500	.361	.662	.798	.939	.781	.650	.954	.761	.700	.783	.417	.747	.486	.890	.592	.712	.963	.913

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter: D4-3891, D1-0768
Counted:RY, Jeremy
Weather:Clear

File Name : KamUlu PM
Site Code : 00000009
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Kapolei Theatre Parking Lot Southbound					Kamokila Blvd. Westbound					Uluohia Street Northbound					Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	26	3	4	3	36	6	97	11	4	118	31	5	20	5	61	2	159	13	9	183	398
04:15 PM	18	2	5	0	25	7	107	16	2	132	18	1	11	3	33	4	161	13	7	185	375
04:30 PM	23	1	7	2	33	9	122	16	1	148	30	5	19	8	62	4	174	16	43	237	480
04:45 PM	16	2	4	3	25	3	86	15	0	104	22	3	17	1	43	8	129	13	11	161	333
Total	83	8	20	8	119	25	412	58	7	502	101	14	67	17	199	18	623	55	70	766	1586
05:00 PM	12	2	6	2	22	7	99	22	0	128	25	2	9	2	38	3	145	12	3	163	351
05:15 PM	18	3	1	0	22	5	100	23	0	128	18	2	7	1	28	5	139	13	7	164	342
05:30 PM	19	2	2	0	23	6	99	13	0	118	10	4	3	0	17	1	132	11	3	147	305
05:45 PM	19	2	5	2	28	5	104	17	0	126	10	3	8	2	23	3	125	11	1	140	317
Total	68	9	14	4	95	23	402	75	0	500	63	11	27	5	106	12	541	47	14	614	1315
Grand Total	151	17	34	12	214	48	814	133	7	1002	164	25	94	22	305	30	1164	102	84	1380	2901
Apprch %	70.6	7.9	15.9	5.6		4.8	81.2	13.3	0.7		53.8	8.2	30.8	7.2		2.2	84.3	7.4	6.1		
Total %	5.2	0.6	1.2	0.4	7.4	1.7	28.1	4.6	0.2	34.5	5.7	0.9	3.2	0.8	10.5	1	40.1	3.5	2.9	47.6	

	Kapolei Theatre Parking Lot Southbound					Kamokila Blvd. Westbound					Uluohia Street Northbound					Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	**26**	**3**	4	**3**	**36**	6	97	11	4	118	**31**	**5**	**20**	5	61	2	159	13	9	183	398
04:15 PM	18	2	5	0	25	7	107	**16**	2	132	18	1	11	3	33	4	161	13	7	185	375
04:30 PM	23	1	**7**	2	33	**9**	**122**	16	1	**148**	30	5	19	**8**	**62**	4	**174**	**16**	**43**	**237**	**480**
04:45 PM	16	2	4	3	25	3	86	15	0	104	22	3	17	1	43	**8**	129	13	11	161	333
Total Volume	83	8	20	8	119	25	412	58	7	502	101	14	67	17	199	18	623	55	70	766	1586
% App. Total	69.7	6.7	16.8	6.7		5	82.1	11.6	1.4		50.8	7	33.7	8.5		2.3	81.3	7.2	9.1		
PHF	.798	.667	.714	.667	.826	.694	.844	.906	.438	.848	.815	.700	.838	.531	.802	.563	.895	.859	.407	.808	.826

WILSON OKAMOT CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

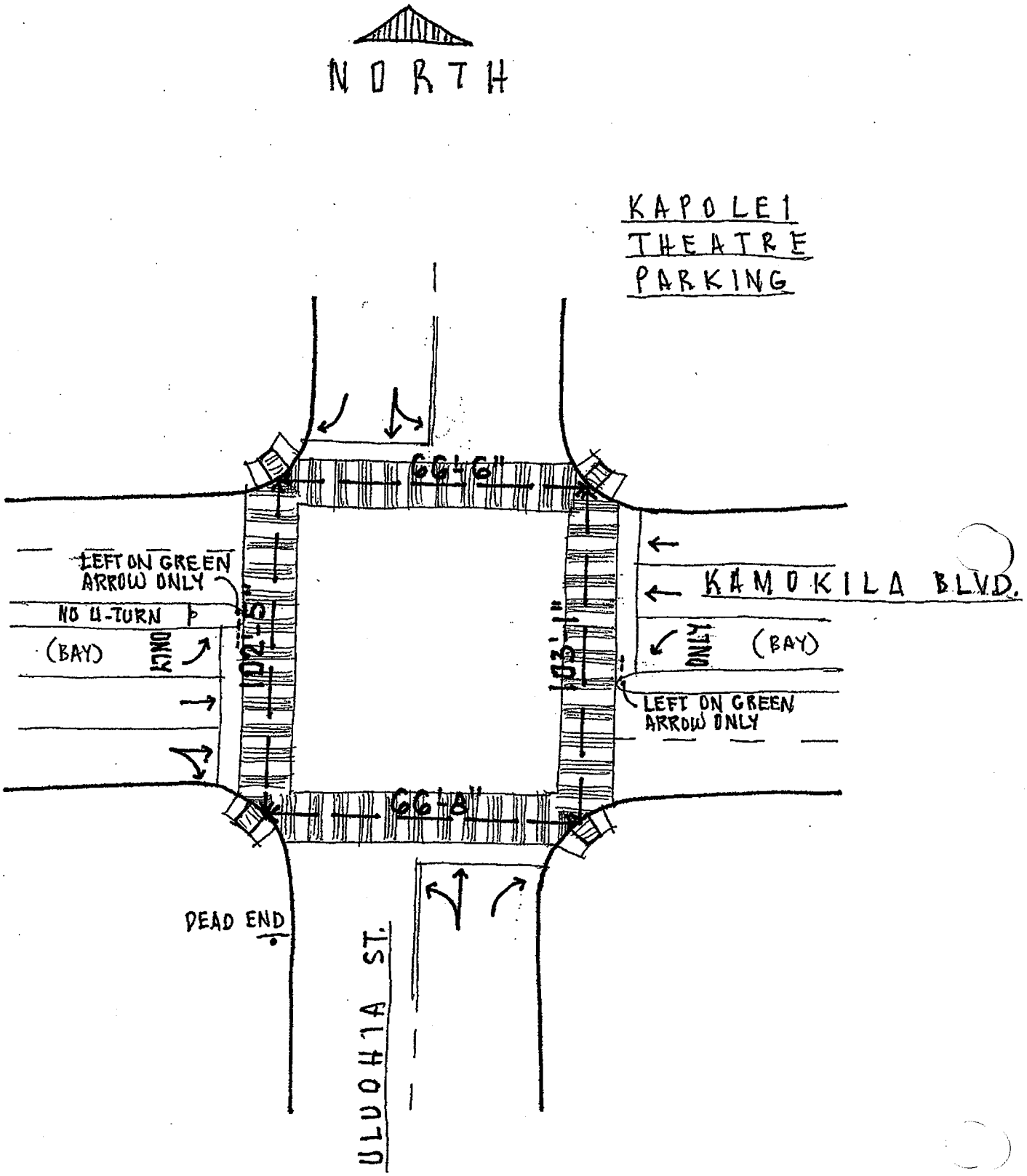
Counter:D4-5677, D4-3889
Counted:SD, WA
Weather:Clear

File Name : KamUlu MIDDAY
Site Code : 00000009
Start Date : 6/21/2008
Page No : 1

Groups Printed- Unshifted

	Kamokila Blvd. Southbound					Uluohia Street Westbound					Kamokila Blvd. Northbound					Uluohia Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	5	107	32	8	152	20	6	8	1	35	7	108	15	6	136	34	7	2	0	43	366
11:15 AM	4	90	52	1	147	25	4	12	1	42	6	72	16	1	95	33	14	3	2	52	336
11:30 AM	6	119	39	0	164	15	5	11	4	35	5	92	12	6	115	47	4	2	3	56	370
11:45 AM	4	107	28	0	139	18	6	10	0	34	11	108	5	2	126	24	2	3	1	30	329
Total	19	423	151	9	602	78	21	41	6	146	29	380	48	15	472	138	27	10	6	181	1401
12:00 PM	12	113	26	1	152	18	11	5	1	35	2	87	10	4	103	37	1	3	0	41	331
12:15 PM	7	96	26	0	129	11	9	12	0	32	5	85	9	2	101	35	5	0	0	40	302
12:30 PM	4	126	42	0	172	13	3	10	0	26	3	98	7	1	109	33	4	2	0	39	346
12:45 PM	8	103	29	0	140	12	8	9	3	32	4	86	11	6	107	24	7	0	2	33	312
Total	31	438	123	1	593	54	31	36	4	125	14	356	37	13	420	129	17	5	2	153	1291
Grand Total	50	861	274	10	1195	132	52	77	10	271	43	736	85	28	892	267	44	15	8	334	2692
Apprch %	4.2	72.1	22.9	0.8		48.7	19.2	28.4	3.7		4.8	82.5	9.5	3.1		79.9	13.2	4.5	2.4		
Total %	1.9	32	10.2	0.4	44.4	4.9	1.9	2.9	0.4	10.1	1.6	27.3	3.2	1	33.1	9.9	1.6	0.6	0.3	12.4	

	Kamokila Blvd. Southbound					Uluohia Street Westbound					Kamokila Blvd. Northbound					Uluohia Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	5	107	32	**8**	152	20	**6**	8	1	35	7	**108**	15	**6**	**136**	34	7	2	0	43	366
11:15 AM	4	90	**52**	1	147	**25**	4	**12**	1	**42**	6	72	**16**	1	95	33	**14**	**3**	2	52	336
11:30 AM	**6**	**119**	39	0	**164**	15	5	11	**4**	35	5	92	12	6	115	**47**	4	2	**3**	**56**	**370**
11:45 AM	4	107	28	0	139	18	6	10	0	34	**11**	108	5	2	126	24	2	3	1	30	329
Total Volume	19	423	151	9	602	78	21	41	6	146	29	380	48	15	472	138	27	10	6	181	1401
% App. Total	3.2	70.3	25.1	1.5		53.4	14.4	28.1	4.1		6.1	80.5	10.2	3.2		76.2	14.9	5.5	3.3		
PHF	.792	.889	.726	.281	.918	.780	.875	.854	.375	.869	.659	.880	.750	.625	.868	.734	.482	.833	.500	.808	.947


NORTH
KAPOLEI THEATRE PARKING
66'-6"
LEFT ON GREEN ARROW ONLY
NO U-TURN
(BAY)
ONLY
102'-5"
103'-1"
ONLY
(BAY)
KAMOKILA BLVD.
LEFT ON GREEN ARROW ONLY
66'-8"
DEAD END
ULUOHIA ST.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891
Counted:RY
Weather:Clear

File Name : KamMan AM
Site Code : 00000008
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Kamokila Blvd. Westbound					Manawai Street Northbound					Kamokila Blvd. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	64	160	0	0	224	35	0	28	0	63	0	56	16	3	75	362
06:45 AM	0	55	115	0	0	170	40	0	61	4	105	0	41	17	2	60	335
Total	0	119	275	0	0	394	75	0	89	4	168	0	97	33	5	135	697
07:00 AM	0	81	150	0	0	231	29	0	55	7	91	0	50	28	5	83	405
07:15 AM	0	103	165	0	0	268	36	0	56	7	99	0	49	35	3	87	454
07:30 AM	0	132	245	0	0	377	39	0	62	3	104	0	70	27	2	99	580
07:45 AM	0	104	203	0	0	307	38	0	73	3	114	0	92	29	1	122	543
Total	0	420	763	0	0	1183	142	0	246	20	408	0	261	119	11	391	1982
08:00 AM	0	70	153	0	0	223	46	0	85	4	135	0	86	25	1	112	470
08:15 AM	0	58	133	0	0	191	22	0	51	5	78	0	62	23	0	85	354
Grand Total	0	667	1324	0	0	1991	285	0	471	33	789	0	506	200	17	723	3503
Apprch %		33.5	66.5	0	0		36.1	0	59.7	4.2		0	70	27.7	2.4		
Total %	0	19	37.8	0	0	56.8	8.1	0	13.4	0.9	22.5	0	14.4	5.7	0.5	20.6	

	Southbound	Kamokila Blvd. Westbound					Manawai Street Northbound					Kamokila Blvd. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	103	165	0	0	268	36	0	56	**7**	99	0	49	**35**	**3**	87	454
07:30 AM	0	**132**	**245**	0	0	**377**	39	0	62	3	104	0	70	27	2	99	**580**
07:45 AM	0	104	203	0	0	307	38	0	73	3	114	0	**92**	29	1	**122**	543
08:00 AM	0	70	153	0	0	223	**46**	0	**85**	4	**135**	0	86	25	1	112	470
Total Volume	0	409	766	0	0	1175	159	0	276	17	452	0	297	116	7	420	2047
% App. Total		34.8	65.2	0	0		35.2	0	61.1	3.8		0	70.7	27.6	1.7		
PHF	.000	.775	.782	.000	.000	.779	.864	.000	.812	.607	.837	.000	.807	.829	.583	.861	.882

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841
Counted:ER
Weather:Clear

File Name : KamMan MIDDAY
Site Code : 00000008
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Kamokila Blvd. Westbound					Kamokila Blvd. Northbound					Kamokila Blvd. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	55	150	0	0	205	31	0	53	4	88	0	116	25	0	141	434
11:15 AM	0	62	134	0	4	200	26	0	57	7	90	0	110	24	0	134	424
11:30 AM	0	49	133	0	0	182	40	0	50	10	100	0	158	27	0	185	467
11:45 AM	0	62	148	0	0	210	32	0	46	5	83	0	134	41	0	175	468
Total	0	228	565	0	4	797	129	0	206	26	361	0	518	117	0	635	1793
12:00 PM	0	64	148	0	4	216	26	0	32	15	73	0	164	37	0	201	490
12:15 PM	0	67	172	0	0	239	36	0	56	4	96	0	143	33	0	176	511
12:30 PM	0	43	133	0	1	177	27	0	61	3	91	0	131	30	0	161	429
12:45 PM	0	66	186	0	1	253	22	0	31	3	56	0	110	35	0	145	454
Total	0	240	639	0	6	885	111	0	180	25	316	0	548	135	0	683	1884
Grand Total	0	468	1204	0	10	1682	240	0	386	51	677	0	1066	252	0	1318	3677
Apprch %		27.8	71.6	0	0.6		35.5	0	57	7.5		0	80.9	19.1	0		
Total %	0	12.7	32.7	0	0.3	45.7	6.5	0	10.5	1.4	18.4	0	29	6.9	0	35.8	

	Southbound	Kamokila Blvd. Westbound					Kamokila Blvd. Northbound					Kamokila Blvd. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	0	49	133	0	0	182	**40**	0	50	10	**100**	0	158	27	0	185	467
11:45 AM	0	62	148	0	0	210	32	0	46	5	83	0	134	**41**	0	175	468
12:00 PM	0	64	148	0	**4**	216	26	0	32	**15**	73	0	**164**	37	0	**201**	490
12:15 PM	0	**67**	**172**	0	0	**239**	36	0	**56**	4	96	0	143	33	0	176	**511**
Total Volume	0	242	601	0	4	847	134	0	184	34	352	0	599	138	0	737	1936
% App. Total		28.6	71	0	0.5		38.1	0	52.3	9.7		0	81.3	18.7	0		
PHF	.000	.903	.874	.000	.250	.886	.838	.000	.821	.567	.880	.000	.913	.841	.000	.917	.947

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891
Counted:RY
Weather:Clear

File Name : KamMan PM
Site Code : 00000008
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Kamokila Blvd. Westbound					Manawai Street Northbound					Kamokila Blvd. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	56	113	0	0	169	19	0	78	8	105	0	175	90	3	268	542
04:15 PM	0	74	110	0	0	184	23	0	79	17	119	0	211	74	6	291	594
04:30 PM	0	77	138	0	0	215	20	0	56	12	88	0	217	74	8	299	602
04:45 PM	0	93	114	0	0	207	21	0	67	7	95	0	134	61	4	199	501
Total	0	300	475	0	0	775	83	0	280	44	407	0	737	299	21	1057	2239
05:00 PM	0	77	85	0	0	162	20	0	69	6	95	0	138	62	3	203	460
05:15 PM	0	84	102	0	0	186	18	0	58	8	84	0	145	57	3	205	475
05:30 PM	0	56	88	0	0	144	18	0	55	7	80	0	141	68	1	210	434
05:45 PM	0	64	90	0	0	154	21	0	39	6	66	0	116	37	6	159	379
Total	0	281	365	0	0	646	77	0	221	27	325	0	540	224	13	777	1748
Grand Total	0	581	840	0	0	1421	160	0	501	71	732	0	1277	523	34	1834	3987
Apprch %		40.9	59.1	0	0		21.9	0	68.4	9.7		0	69.6	28.5	1.9		
Total %	0	14.6	21.1	0	0	35.6	4	0	12.6	1.8	18.4	0	32	13.1	0.9	46	

	Southbound	Kamokila Blvd. Westbound					Manawai Street Northbound					Kamokila Blvd. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	56	113	0	0	169	19	0	78	8	105	0	175	**90**	3	268	542
04:15 PM	0	74	110	0	0	184	**23**	0	**79**	**17**	**119**	0	211	74	6	291	594
04:30 PM	0	77	**138**	0	0	**215**	20	0	56	12	88	0	**217**	74	**8**	**299**	**602**
04:45 PM	0	**93**	114	0	0	207	21	0	67	7	95	0	134	61	4	199	501
Total Volume	0	300	475	0	0	775	83	0	280	44	407	0	737	299	21	1057	2239
% App. Total		38.7	61.3	0	0		20.4	0	68.8	10.8		0	69.7	28.3	2		
PHF	.000	.806	.861	.000	.000	.901	.902	.000	.886	.647	.855	.000	.849	.831	.656	.884	.930

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

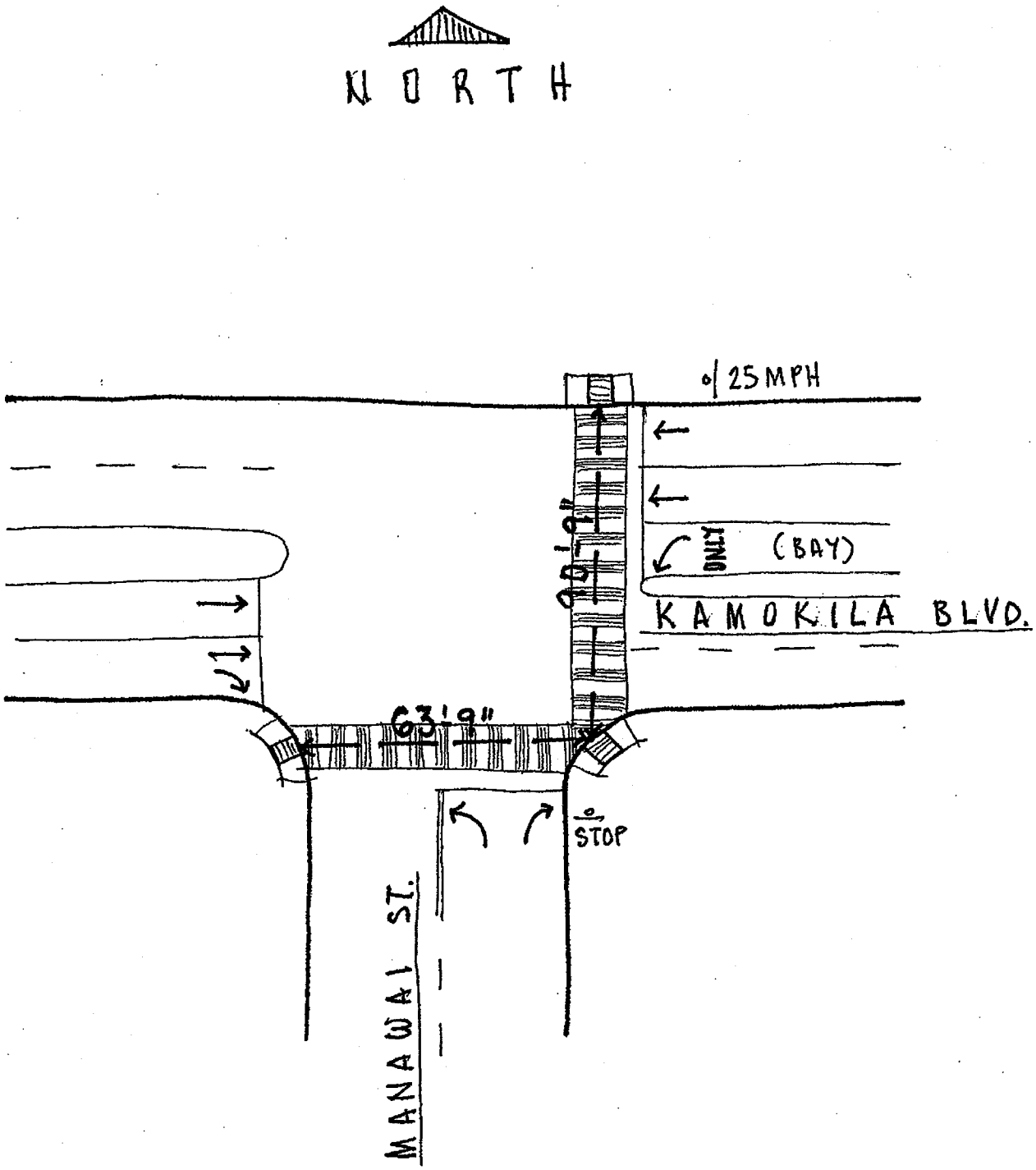
Counter:D4-5676, D4-5674
Counted:JY, SW
Weather:Clear

File Name : KamMan MIDDAY
Site Code : 00000008
Start Date : 6/21/2008
Page No : 1

Groups Printed- Unshifted

	Kamokila Blvd. Southbound					Manawai Street Westbound					Kamokila Blvd. Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	32	66	0	1	99	44	0	52	4	100	0	132	37	0	169	0	368
11:15 AM	60	162	0	6	228	42	0	51	2	95	0	127	40	0	167	0	490
11:30 AM	48	168	0	7	223	39	0	55	2	96	0	146	36	0	182	0	501
11:45 AM	61	131	0	0	192	29	0	46	0	75	0	153	38	0	191	0	458
Total	201	527	0	14	742	154	0	204	8	366	0	558	151	0	709	0	1817
12:00 PM	56	167	0	2	225	40	2	48	3	93	0	140	38	0	178	0	496
12:15 PM	49	132	0	0	181	47	0	34	2	83	0	123	34	0	157	0	421
12:30 PM	40	150	0	0	190	44	0	50	1	95	0	138	33	0	171	0	456
12:45 PM	43	170	0	0	213	27	0	51	0	78	0	101	32	0	133	0	424
Total	188	619	0	2	809	158	2	183	6	349	0	502	137	0	639	0	1797
Grand Total	389	1146	0	16	1551	312	2	387	14	715	0	1060	288	0	1348	0	3614
Apprch %	25.1	73.9	0	1		43.6	0.3	54.1	2		0	78.6	21.4	0			
Total %	10.8	31.7	0	0.4	42.9	8.6	0.1	10.7	0.4	19.8	0	29.3	8	0	37.3	0	

	Kamokila Blvd. Southbound					Manawai Street Westbound					Kamokila Blvd. Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:15 AM																	
11:15 AM	60	162	0	6	**228**	**42**	0	51	2	95	0	127	**40**	0	167	0	490
11:30 AM	48	**168**	0	**7**	223	39	0	**55**	2	**96**	0	146	36	0	182	0	**501**
11:45 AM	**61**	131	0	0	192	29	0	46	0	75	0	**153**	38	0	**191**	0	458
12:00 PM	56	167	0	2	225	40	**2**	48	**3**	93	0	140	38	0	178	0	496
Total Volume	225	628	0	15	868	150	2	200	7	359	0	566	152	0	718	0	1945
% App.	25.9	72.4	0	1.7		41.8	0.6	55.[illegible]	1.9		0	78.8	21.2	0			
	.922	.935	.000	.536	.952	.893	.250	.90[illegible]	.583	.935	.000	.925	.950	.000	.940	.0[illegible]	.971


NORTH
25 MPH
ONLY
(BAY)
KAMOKILA BLVD.
63'-9"
STOP
MANAWAI ST.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter: D1-0769, D1-0525
Counted:Taani, Vasi
Weather:Clear

File Name : FarKam AM
Site Code : 00000010
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Farrington Highway Southbound					Kamokila Blvd. Westbound					Northbound	Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	78	0	72	0	150	0	136	128	0	264	0	35	53	0	0	88	502
06:45 AM	85	0	51	1	137	0	130	126	0	256	0	51	49	0	1	101	494
Total	163	0	123	1	287	0	266	254	0	520	0	86	102	0	1	189	996
07:00 AM	85	0	78	0	163	0	160	89	0	249	0	37	60	0	0	97	509
07:15 AM	74	0	103	0	177	0	169	109	0	278	0	41	56	0	1	98	553
07:30 AM	93	0	163	1	257	0	199	102	0	301	0	45	99	0	2	146	704
07:45 AM	78	0	143	1	222	0	208	105	0	313	0	48	112	0	0	160	695
Total	330	0	487	2	819	0	736	405	0	1141	0	171	327	0	3	501	2461
08:00 AM	86	0	97	0	183	0	174	102	0	276	0	54	137	0	0	191	650
08:15 AM	59	0	47	1	107	0	169	84	0	253	0	25	98	0	0	123	483
Grand Total	638	0	754	4	1396	0	1345	845	0	2190	0	336	664	0	4	1004	4590
Apprch %	45.7	0	54	0.3		0	61.4	38.6	0			33.5	66.1	0	0.4		
Total %	13.9	0	16.4	0.1	30.4	0	29.3	18.4	0	47.7	0	7.3	14.5	0	0.1	21.9	

	Farrington Highway Southbound					Kamokila Blvd. Westbound					Northbound	Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	74	0	103	0	177	0	169	**109**	0	278	0	41	56	0	1	98	553
07:30 AM	**93**	0	**163**	1	**257**	0	199	102	0	301	0	45	99	0	**2**	146	**704**
07:45 AM	78	0	143	1	222	0	**208**	105	0	**313**	0	48	112	0	0	160	695
08:00 AM	86	0	97	0	183	0	174	102	0	276	0	**54**	**137**	0	0	**191**	650
Total Volume	331	0	506	2	839	0	750	418	0	1168	0	188	404	0	3	595	2602
% App. Total	39.5	0	60.3	0.2		0	64.2	35.8	0			31.6	67.9	0	0.5		
PHF	.890	.000	.776	.500	.816	.000	.901	.959	.000	.933	.000	.870	.737	.000	.375	.779	.924

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-3891
Counted:JY, DY
Weather:Clear

File Name : FarKam MIDDAY
Site Code : 00000010
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Kamokila Blvd. Southbound					Farrington Highway Westbound					Northbound	Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	89	0	35	3	127	0	161	60	0	221	0	16	140	0	1	157	505
11:15 AM	97	0	44	2	143	0	151	67	0	218	0	21	149	0	2	172	533
11:30 AM	85	0	31	0	116	0	143	77	0	220	0	23	175	0	0	198	534
11:45 AM	84	0	48	5	137	0	160	58	0	218	0	14	146	0	0	160	515
Total	355	0	158	10	523	0	615	262	0	877	0	74	610	0	3	687	2087
12:00 PM	82	0	30	6	118	0	190	90	0	280	0	14	186	0	9	209	607
12:15 PM	72	0	42	2	116	0	171	86	0	257	0	31	142	0	1	174	547
12:30 PM	62	0	28	0	90	0	171	114	0	285	0	28	171	0	0	199	574
12:45 PM	71	0	48	0	119	0	194	72	0	266	0	19	131	0	2	152	537
Total	287	0	148	8	443	0	726	362	0	1088	0	92	630	0	12	734	2265
Grand Total	642	0	306	18	966	0	1341	624	0	1965	0	166	1240	0	15	1421	4352
Apprch %	66.5	0	31.7	1.9		0	68.2	31.8	0			11.7	87.3	0	1.1		
Total %	14.8	0	7	0.4	22.2	0	30.8	14.3	0	45.2	0	3.8	28.5	0	0.3	32.7	

	Kamokila Blvd. Southbound					Farrington Highway Westbound					Northbound	Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:00 PM																	
12:00 PM	**82**	0	30	**6**	118	0	190	90	0	280	0	14	**186**	0	**9**	**209**	**607**
12:15 PM	72	0	42	2	116	0	171	86	0	257	0	**31**	142	0	1	174	547
12:30 PM	62	0	28	0	90	0	171	**114**	0	**285**	0	28	171	0	0	199	574
12:45 PM	71	0	**48**	0	**119**	0	**194**	72	0	266	0	19	131	0	2	152	537
Total Volume	287	0	148	8	443	0	726	362	0	1088	0	92	630	0	12	734	2265
% App. Total	64.8	0	33.4	1.8		0	66.7	33.3	0			12.5	85.8	0	1.6		
PHF	.875	.000	.771	.333	.931	.000	.936	.794	.000	.954	.000	.742	.847	.000	.333	.878	.933

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter: D1-0769, D1-0525
Counted:Taani, Vasi
Weather:Clear

File Name : FarKam PM
Site Code : 00000010
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Farrington Highway Southbound					Kamokila Blvd. Westbound					Northbound	Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	85	0	30	2	117	0	146	136	0	282	0	53	215	0	1	269	668
04:15 PM	95	0	33	1	129	0	132	188	0	320	0	55	199	0	1	255	704
04:30 PM	97	0	30	4	131	0	147	148	0	295	0	44	242	0	1	287	713
04:45 PM	87	0	55	2	144	0	150	136	0	286	0	37	169	0	0	206	636
Total	364	0	148	9	521	0	575	608	0	1183	0	189	825	0	3	1017	2721
05:00 PM	99	0	35	1	135	0	136	120	0	256	0	46	177	0	1	224	615
05:15 PM	72	0	47	0	119	0	134	117	0	251	0	35	174	0	0	209	579
05:30 PM	82	0	30	2	114	0	114	121	0	235	0	32	169	0	2	203	552
05:45 PM	63	0	31	1	95	0	123	106	0	229	0	25	128	0	0	153	477
Total	316	0	143	4	463	0	507	464	0	971	0	138	648	0	3	789	2223
Grand Total	680	0	291	13	984	0	1082	1072	0	2154	0	327	1473	0	6	1806	4944
Apprch %	69.1	0	29.6	1.3		0	50.2	49.8	0			18.1	81.6	0	0.3		
Total %	13.8	0	5.9	0.3	19.9	0	21.9	21.7	0	43.6	0	6.6	29.8	0	0.1	36.5	

	Farrington Highway Southbound					Kamokila Blvd. Westbound					Northbound	Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	85	0	30	2	117	0	146	136	0	282	0	53	215	0	**1**	269	668
04:15 PM	95	0	33	1	129	0	132	**188**	0	**320**	0	**55**	199	0	1	255	704
04:30 PM	**97**	0	30	**4**	131	0	147	148	0	295	0	44	**242**	0	1	**287**	**713**
04:45 PM	87	0	**55**	2	**144**	0	**150**	136	0	286	0	37	169	0	0	206	636
Total Volume	364	0	148	9	521	0	575	608	0	1183	0	189	825	0	3	1017	2721
% App. Total	69.9	0	28.4	1.7		0	48.6	51.4	0			18.6	81.1	0	0.3		
PHF	.938	.000	.673	.563	.905	.000	.958	.809	.000	.924	.000	.859	.852	.000	.750	.886	.954

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

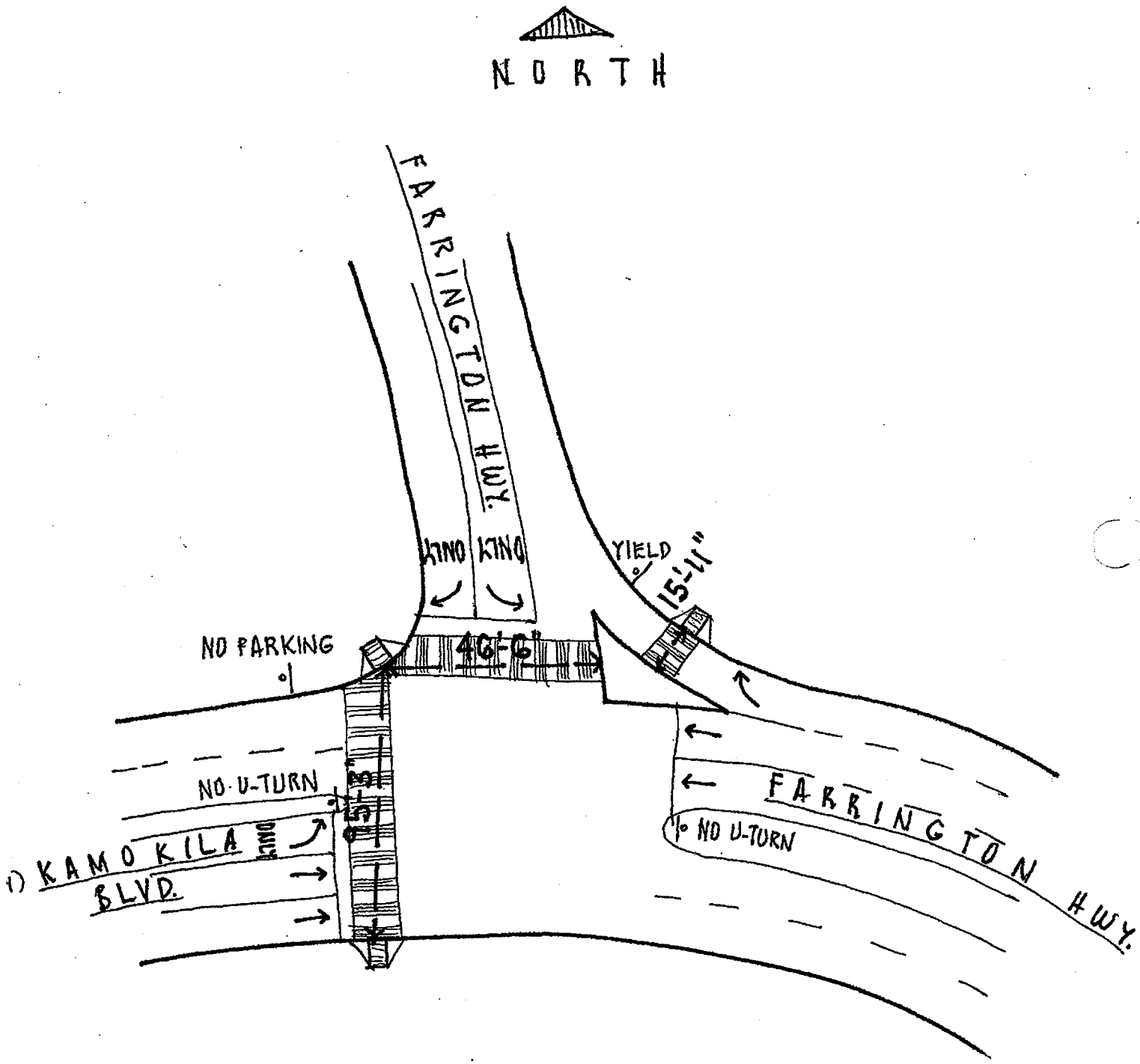
Counter:D4-3888, D4-5672
Counted:JM, RL
Weather:Clear

File Name : FarKam MIDDAY
Site Code : 00000010
Start Date : 7/12/2008
Page No : 1

Groups Printed- Unshifted

	Farrington Highway Southbound					Farrington Highway Westbound					Northbound	Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	86	0	44	3	133	0	137	80	0	217	0	29	140	0	0	169	519
11:15 AM	94	0	41	3	138	0	168	77	0	245	0	33	147	5	1	186	569
11:30 AM	83	0	33	2	118	0	139	108	3	250	0	36	132	0	0	168	536
11:45 AM	85	0	44	4	133	0	165	94	0	259	0	26	154	0	0	180	572
Total	348	0	162	12	522	0	609	359	3	971	0	124	573	5	1	703	2196
12:00 PM	71	0	38	1	110	0	175	99	0	274	0	30	145	0	0	175	559
12:15 PM	101	0	47	3	151	0	179	79	0	258	0	20	140	0	0	160	569
12:30 PM	88	0	36	2	126	0	144	111	0	255	0	40	162	0	0	202	583
12:45 PM	77	0	45	1	123	0	145	99	1	245	0	39	137	0	0	176	544
Total	337	0	166	7	510	0	643	388	1	1032	0	129	584	0	0	713	2255
Grand Total	685	0	328	19	1032	0	1252	747	4	2003	0	253	1157	5	1	1416	4451
Apprch %	66.4	0	31.8	1.8		0	62.5	37.3	0.2			17.9	81.7	0.4	0.1		
Total %	15.4	0	7.4	0.4	23.2	0	28.1	16.8	0.1	45	0	5.7	26	0.1	0	31.8	

	Farrington Highway Southbound					Farrington Highway Westbound					Northbound	Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:15 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:15 AM																	
11:15 AM	**94**	0	41	3	**138**	0	168	77	0	245	0	33	147	**5**	1	**186**	569
11:30 AM	83	0	33	2	118	0	139	**108**	**3**	250	0	**36**	132	0	0	168	536
11:45 AM	85	0	**44**	**4**	133	0	165	94	0	259	0	26	**154**	0	0	180	**572**
12:00 PM	71	0	38	1	110	0	**175**	99	0	**274**	0	30	145	0	0	175	559
Total Volume	333	0	156	10	499	0	647	378	3	1028	0	125	578	5	1	709	2236
% App. Total	66.7	0	31.3	2		0	62.9	36.8	0.3			17.6	81.5	0.7	0.1		
PHF	.886	.000	.886	.625	.904	.000	.924	.875	.250	.938	.000	.868	.938	.250	.250	.953	.977


NORTH
FARRINGTON HWY.
ONLY
ONLY
YIELD
15'-11"
NO PARKING
46'-6"
NO U-TURN
15'-6"
KAMOKILA BLVD.
NO U-TURN
FARRINGTON HWY.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0526, T-1839
Counted:Kawika, ER
Weather:Clear

File Name : FarKapowai AM
Site Code : 00000011
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Kapolei S.C. Dwy. (Tesoro) Southbound					Farrington Hwy. Westbound					Kapowai Place Northbound					Farrington Hwy. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	7	0	36	0	43	12	222	17	0	251	11	0	5	0	16	14	105	5	0	124	434
06:45 AM	6	0	38	0	44	7	239	14	0	260	18	1	9	0	28	16	86	19	0	121	453
Total	13	0	74	0	87	19	461	31	0	511	29	1	14	0	44	30	191	24	0	245	887
07:00 AM	6	0	26	0	32	26	218	21	0	265	12	0	11	0	23	15	124	13	0	152	472
07:15 AM	8	0	32	0	40	14	231	21	0	266	18	2	13	0	33	29	107	21	0	157	496
07:30 AM	9	0	28	0	37	11	289	22	0	322	15	0	6	0	21	24	126	13	0	163	543
07:45 AM	12	1	26	1	40	22	261	34	0	317	14	3	10	0	27	23	132	25	0	180	564
Total	35	1	112	1	149	73	999	98	0	1170	59	5	40	0	104	91	489	72	0	652	2075
08:00 AM	19	0	28	0	47	30	194	27	0	251	19	2	19	0	40	40	132	27	0	199	537
08:15 AM	28	2	32	0	62	20	177	25	0	222	19	2	18	0	39	39	100	18	0	157	480
Grand Total	95	3	246	1	345	142	1831	181	0	2154	126	10	91	0	227	200	912	141	0	1253	3979
Apprch %	27.5	0.9	71.3	0.3		6.6	85	8.4	0		55.5	4.4	40.1	0		16	72.8	11.3	0		
Total %	2.4	0.1	6.2	0	8.7	3.6	46	4.5	0	54.1	3.2	0.3	2.3	0	5.7	5	22.9	3.5	0	31.5	

	Kapolei S.C. Dwy. (Tesoro) Southbound					Farrington Hwy. Westbound					Kapowai Place Northbound					Farrington Hwy. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	8	0	**32**	0	40	14	231	21	0	266	18	2	13	0	33	29	107	21	0	157	496
07:30 AM	9	0	28	0	37	11	**289**	22	0	**322**	15	0	6	0	21	24	126	13	0	163	543
07:45 AM	12	**1**	26	**1**	40	22	261	**34**	0	317	14	**3**	10	0	27	23	**132**	25	0	180	**564**
08:00 AM	**19**	0	28	0	**47**	**30**	194	27	0	251	**19**	2	**19**	0	**40**	**40**	132	**27**	0	**199**	537
Total Volume	48	1	114	1	164	77	975	104	0	1156	66	7	48	0	121	116	497	86	0	699	2140
% App. Total	29.3	0.6	69.5	0.6		6.7	84.3	9	0		54.5	5.8	39.7	0		16.6	71.1	12.3	0		
PHF	.632	.250	.891	.250	.872	.642	.843	.765	.000	.898	.868	.583	.632	.000	.756	.725	.941	.796	.000	.878	.949

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-5672
Counted:KK, JM
Weather:Clear

File Name : FarKapowai MIDDAY
Site Code : 00000011
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Tesoro/Kapolei Shopping Center Southbound					Farrington Highway Westbound					Kapowai Place Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	36	4	49	3	92	6	167	19	2	194	8	2	4	0	14	56	113	5	2	176	476
11:15 AM	40	3	57	3	103	7	146	22	1	176	5	8	11	4	28	83	112	15	3	213	520
11:30 AM	46	6	49	2	103	9	143	31	2	185	7	4	15	1	27	65	142	11	0	218	533
11:45 AM	43	2	65	1	111	13	148	27	7	195	11	4	9	14	38	56	136	14	14	220	564
Total	165	15	220	9	409	35	604	99	12	750	31	18	39	19	107	260	503	45	19	827	2093
12:00 PM	41	2	66	0	109	10	186	37	1	234	11	2	12	6	31	84	114	6	1	205	579
12:15 PM	45	0	81	1	127	14	157	42	5	218	14	4	9	1	28	79	129	14	1	223	596
12:30 PM	53	5	75	1	134	6	169	34	6	215	14	6	15	1	36	68	110	17	1	196	581
12:45 PM	58	6	68	1	133	7	168	33	1	209	19	2	18	0	39	49	95	30	0	174	555
Total	197	13	290	3	503	37	680	146	13	876	58	14	54	8	134	280	448	67	3	798	2311
Grand Total	362	28	510	12	912	72	1284	245	25	1626	89	32	93	27	241	540	951	112	22	1625	4404
Apprch %	39.7	3.1	55.9	1.3		4.4	79	15.1	1.5		36.9	13.3	38.6	11.2		33.2	58.5	6.9	1.4		
Total %	8.2	0.6	11.6	0.3	20.7	1.6	29.2	5.6	0.6	36.9	2	0.7	2.1	0.6	5.5	12.3	21.6	2.5	0.5	36.9	

	Tesoro/Kapolei Shopping Center Southbound					Farrington Highway Westbound					Kapowai Place Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	43	2	65	1	111	13	148	27	7	195	11	4	9	14	38	56	136	14	14	220	564
12:00 PM	41	2	66	0	109	10	186	37	1	234	11	2	12	6	31	84	114	6	1	205	579
12:15 PM	45	0	81	1	127	14	157	42	5	218	14	4	9	1	28	79	129	14	1	223	596
12:30 PM	53	5	75	1	134	6	169	34	6	215	14	6	15	1	36	68	110	17	1	196	581
Total Volume	182	9	287	3	481	43	660	140	19	862	50	16	45	22	133	287	489	51	17	844	2320
% App. Total	37.8	1.9	59.7	0.6		5	76.6	16.2	2.2		37.6	12	33.8	16.5		34	57.9	6	2		
PHF	.858	.450	.886	.750	.897	.768	.887	.833	.679	.921	.893	.667	.750	.393	.875	.854	.899	.750	.304	.946	.973

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, T-1839
Counted:Steve, ER
Weather:Clear

File Name : FarKapowai PM
Site Code : 00000011
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Kapolei S.C. Dwy. (Tesoro) Southbound					Farrington Hwy. Westbound					Kapowai Place Northbound					Farrington Hwy. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	56	2	71	0	129	22	149	36	0	207	13	4	20	0	37	61	191	24	0	276	649
04:15 PM	57	3	74	0	134	16	174	29	0	219	12	2	27	0	41	62	210	18	0	290	684
04:30 PM	49	2	80	0	131	17	154	34	0	205	13	4	18	0	35	59	226	14	0	299	670
04:45 PM	43	2	68	0	113	14	190	36	0	240	9	2	17	0	28	80	187	15	0	282	663
Total	205	9	293	0	507	69	667	135	0	871	47	12	82	0	141	262	814	71	0	1147	2666
05:00 PM	48	4	72	0	124	11	160	30	0	201	18	4	20	0	42	53	189	25	0	267	634
05:15 PM	38	6	57	0	101	16	186	32	0	234	6	4	22	0	32	71	185	31	0	287	654
05:30 PM	59	4	56	0	119	22	153	28	0	203	8	8	18	0	34	60	160	17	0	237	593
05:45 PM	58	1	56	0	115	11	145	38	0	194	8	3	11	0	22	67	183	13	0	263	594
Total	203	15	241	0	459	60	644	128	0	832	40	19	71	0	130	251	717	86	0	1054	2475
Grand Total	408	24	534	0	966	129	1311	263	0	1703	87	31	153	0	271	513	1531	157	0	2201	5141
Apprch %	42.2	2.5	55.3	0		7.6	77	15.4	0		32.1	11.4	56.5	0		23.3	69.6	7.1	0		
Total %	7.9	0.5	10.4	0	18.8	2.5	25.5	5.1	0	33.1	1.7	0.6	3	0	5.3	10	29.8	3.1	0	42.8	

	Kapolei S.C. Dwy. (Tesoro) Southbound					Farrington Hwy. Westbound					Kapowai Place Northbound					Farrington Hwy. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	56	2	71	0	129	**22**	149	**36**	0	207	**13**	**4**	20	0	37	61	191	**24**	0	276	649
04:15 PM	**57**	**3**	74	0	**134**	16	174	29	0	219	12	2	**27**	0	**41**	62	210	18	0	290	**684**
04:30 PM	49	2	**80**	0	131	17	154	34	0	205	13	4	18	0	35	59	**226**	14	0	**299**	670
04:45 PM	43	2	68	0	113	14	**190**	36	0	**240**	9	2	17	0	28	**80**	187	15	0	282	663
Total Volume	205	9	293	0	507	69	667	135	0	871	47	12	82	0	141	262	814	71	0	1147	2666
% App. Total	40.4	1.8	57.8	0		7.9	76.6	15.5	0		33.3	8.5	58.2	0		22.8	71	6.2	0		
PHF	.899	.750	.916	.000	.946	.784	.878	.938	.000	.907	.904	.750	.759	.000	.860	.819	.900	.740	.000	.959	.974

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-3888
Counted:SD, WA
Weather:

File Name : FarKap (Tesoro) MIDDAY
Site Code : 00000011
Start Date : 6/28/2008
Page No : 1

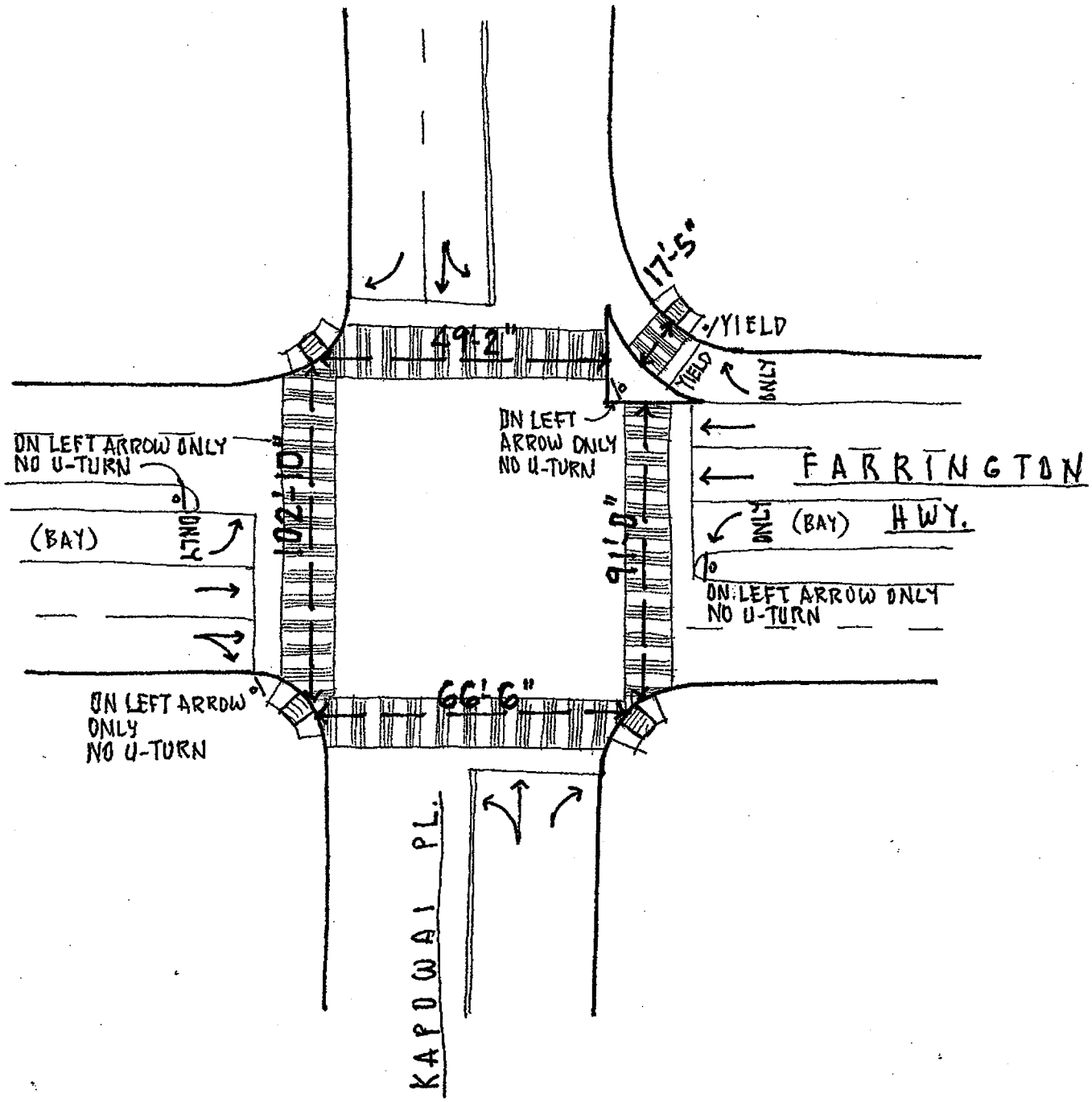
Groups Printed- Unshifted

	Kapolei S.C. Dwy. (Tesoro) Southbound					Farrington Highway Westbound					Kapowai Place Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	11	203	45	2	261	4	5	8	3	20	62	160	17	6	245	53	2	61	0	116	642
11:15 AM	12	198	42	1	253	10	10	3	1	24	73	163	25	2	263	56	1	88	2	147	687
11:30 AM	16	179	50	2	247	4	9	15	0	28	69	156	20	5	250	49	3	72	3	127	652
11:45 AM	13	186	51	3	253	7	10	14	1	32	61	161	30	3	255	67	2	80	2	151	691
Total	52	766	188	8	1014	25	34	40	5	104	265	640	92	16	1013	225	8	301	7	541	2672
12:00 PM	11	172	46	0	229	11	3	15	1	30	70	161	21	0	252	57	7	61	0	125	636
12:15 PM	12	152	45	0	209	8	0	11	0	19	73	182	10	1	266	73	1	63	0	137	631
12:30 PM	18	188	34	0	240	8	7	13	2	30	64	165	18	0	247	59	5	72	0	136	653
12:45 PM	10	176	35	0	221	13	5	16	6	40	50	162	12	3	227	68	6	96	0	170	658
Total	51	688	160	0	899	40	15	55	9	119	257	670	61	4	992	257	19	292	0	568	2578
Grand Total	103	1454	348	8	1913	65	49	95	14	223	522	1310	153	20	2005	482	27	593	7	1109	5250
Apprch %	5.4	76	18.2	0.4		29.1	22	42.6	6.3		26	65.3	7.6	1		43.5	2.4	53.5	0.6		
Total %	2	27.7	6.6	0.2	36.4	1.2	0.9	1.8	0.3	4.2	9.9	25	2.9	0.4	38.2	9.2	0.5	11.3	0.1	21.1	

	Kapolei S.C. Dwy. (Tesoro) Southbound					Farrington Highway Westbound					Kapowai Place Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	11	**203**	45	2	**261**	4	5	8	**3**	20	62	160	17	**6**	245	53	2	61	0	116	642
11:15 AM	12	198	42	1	253	**10**	**10**	3	1	24	**73**	**163**	25	2	**263**	56	1	**88**	2	147	687
11:30 AM	**16**	179	50	2	247	4	9	**15**	0	28	69	156	20	5	250	49	**3**	72	**3**	127	652
11:45 AM	13	186	**51**	**3**	253	7	10	14	1	**32**	61	161	**30**	3	255	**67**	2	80	2	**151**	**691**
Total Volume	52	766	188	8	1014	25	34	40	5	104	265	640	92	16	1013	225	8	301	7	541	2672
% App. Total	5.1	75.5	18.5	0.8		24	32.7	38.5	4.8		26.2	63.2	9.1	1.6		41.6	1.5	55.6	1.3		
P[illegible]	.813	.943	.922	.667	.971	.625	.850	.667	.417	.[illegible]	.908	.982	.767	.667	.963	.840	.667	.855	.583	.[illegible]	.967

NORTH

KAPOLEI SHOPPING CENTER



WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-3889
Counted:LF, TO
Weather: Clear

File Name : FarKapouka AM
Site Code : 00000012
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Kapolei S.C. Dwy. (KFC) Southbound					Farrington Hwy. Westbound					Kapouka Place Northbound					Farrington Hwy. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	23	1	4	1	29	55	227	16	1	299	17	2	51	0	70	2	96	17	6	121	519
06:45 AM	17	1	5	0	23	41	231	8	0	280	14	1	35	1	51	4	92	15	10	121	475
Total	40	2	9	1	52	96	458	24	1	579	31	3	86	1	121	6	188	32	16	242	994
07:00 AM	16	1	0	2	19	50	247	14	2	313	15	5	39	1	60	4	111	19	3	137	529
07:15 AM	24	3	3	1	31	49	268	23	0	340	10	4	40	0	54	10	110	20	7	147	572
07:30 AM	31	4	9	0	44	66	286	29	4	385	22	6	47	3	78	7	109	36	4	156	663
07:45 AM	42	7	4	0	53	86	291	24	0	401	9	3	47	0	59	7	121	29	0	157	670
Total	113	15	16	3	147	251	1092	90	6	1439	56	18	173	4	251	28	451	104	14	597	2434
08:00 AM	36	10	5	5	56	81	229	16	1	327	15	6	56	0	77	12	133	35	11	191	651
08:15 AM	38	4	3	0	45	48	207	28	1	284	21	6	59	0	86	10	110	28	1	149	564
Grand Total	227	31	33	9	300	476	1986	158	9	2629	123	33	374	5	535	56	882	199	42	1179	4643
Apprch %	75.7	10.3	11	3		18.1	75.5	6	0.3		23	6.2	69.9	0.9		4.7	74.8	16.9	3.6		
Total %	4.9	0.7	0.7	0.2	6.5	10.3	42.8	3.4	0.2	56.6	2.6	0.7	8.1	0.1	11.5	1.2	19	4.3	0.9	25.4	

	Kapolei S.C. Dwy. (KFC) Southbound					Farrington Hwy. Westbound					Kapouka Place Northbound					Farrington Hwy. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	24	3	3	1	31	49	268	23	0	340	10	4	40	0	54	10	110	20	7	147	572
07:30 AM	31	4	**9**	0	44	66	286	**29**	**4**	385	**22**	**6**	47	**3**	**78**	7	109	**36**	4	156	663
07:45 AM	**42**	7	4	0	53	**86**	**291**	24	0	**401**	9	3	47	0	59	7	121	29	0	157	**670**
08:00 AM	36	**10**	5	**5**	**56**	81	229	16	1	327	15	6	**56**	0	77	**12**	**133**	35	**11**	**191**	651
Total Volume	133	24	21	6	184	282	1074	92	5	1453	56	19	190	3	268	36	473	120	22	651	2556
% App. Total	72.3	13	11.4	3.3		19.4	73.9	6.3	0.3		20.9	7.1	70.9	1.1		5.5	72.7	18.4	3.4		
PHF	.792	.600	.583	.300	.821	.820	.923	.793	.313	.906	.636	.792	.848	.250	.859	.750	.889	.833	.500	.852	.954

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5671, T-1839
Counted:ZW, ME
Weather:Clear

File Name : FarKapouka MIDDAY
Site Code : 00000012
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Kapolei S.C. Dwy. (KFC) Southbound					Farrington Highway Westbound					Kapouka Place Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	53	3	9	0	65	48	177	41	4	270	26	7	40	1	74	30	130	25	4	189	598
11:15 AM	84	9	7	0	100	47	198	64	3	312	15	16	57	1	89	25	172	14	6	217	718
11:30 AM	66	13	13	0	92	32	163	57	2	254	20	9	68	0	97	52	186	20	5	263	706
11:45 AM	87	9	15	10	121	47	175	55	0	277	12	7	44	2	65	30	161	23	6	220	683
Total	290	34	44	10	378	174	713	217	9	1113	73	39	209	4	325	137	649	82	21	889	2705
12:00 PM	72	12	17	1	102	66	176	44	4	290	27	11	64	2	104	42	183	21	5	251	747
12:15 PM	94	4	16	1	115	57	201	52	0	310	22	11	39	0	72	32	173	20	10	235	732
12:30 PM	87	10	15	0	112	50	154	41	2	247	10	6	47	1	64	19	244	18	11	292	715
12:45 PM	75	6	10	1	92	53	201	35	3	292	14	12	72	0	98	24	141	10	22	197	679
Total	328	32	58	3	421	226	732	172	9	1139	73	40	222	3	338	117	741	69	48	975	2873
Grand Total	618	66	102	13	799	400	1445	389	18	2252	146	79	431	7	663	254	1390	151	69	1864	5578
Apprch %	77.3	8.3	12.8	1.6		17.8	64.2	17.3	0.8		22	11.9	65	1.1		13.6	74.6	8.1	3.7		
Total %	11.1	1.2	1.8	0.2	14.3	7.2	25.9	7	0.3	40.4	2.6	1.4	7.7	0.1	11.9	4.6	24.9	2.7	1.2	33.4	

	Kapolei S.C. Dwy. (KFC) Southbound					Farrington Highway Westbound					Kapouka Place Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	87	9	15	**10**	**121**	47	175	**55**	0	277	12	7	44	**2**	65	30	161	**23**	6	220	683
12:00 PM	72	**12**	**17**	1	102	**66**	176	44	**4**	290	**27**	**11**	**64**	2	**104**	**42**	183	21	5	251	**747**
12:15 PM	**94**	4	16	1	115	57	**201**	52	0	**310**	22	11	39	0	72	32	173	20	10	235	732
12:30 PM	87	10	15	0	112	50	154	41	2	247	10	6	47	1	64	19	**244**	18	**11**	**292**	715
Total Volume	340	35	63	12	450	220	706	192	6	1124	71	35	194	5	305	123	761	82	32	998	2877
% App. Total	75.6	7.8	14	2.7		19.6	62.8	17.1	0.5		23.3	11.5	63.6	1.6		12.3	76.3	8.2	3.2		
PHF	.904	.729	.926	.300	.930	.833	.878	.873	.375	.906	.657	.795	.758	.625	.733	.732	.780	.891	.727	.854	.963

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D4-3888
Counted:TO, LF
Weather:Clear

File Name : FarKapouka PM
Site Code : 00000012
Start Date : 5/6/2008
Page No : 1

Groups Printed- Unshifted

	Kapolei S.C. Dwy. (KFC) Southbound					Farrington Hwy. Westbound					Kapouka Place Northbound					Farrington Hwy. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	74	3	2	0	79	47	189	47	2	285	16	8	78	0	102	18	235	31	2	286	752
04:15 PM	71	2	6	7	86	59	186	45	6	296	24	6	66	0	96	11	218	31	9	269	747
04:30 PM	70	2	5	1	78	46	194	44	6	290	17	7	74	3	101	29	243	38	14	324	793
04:45 PM	76	3	5	6	90	60	214	52	2	328	14	3	68	3	88	9	195	25	9	238	744
Total	291	10	18	14	333	212	783	188	16	1199	71	24	286	6	387	67	891	125	34	1117	3036
05:00 PM	65	2	10	0	77	40	178	42	0	260	23	7	79	2	111	18	234	15	16	283	731
05:15 PM	74	2	7	4	87	44	197	50	3	294	10	2	82	5	99	17	181	36	21	255	735
05:30 PM	83	2	9	0	94	29	194	46	1	270	11	4	63	0	78	10	219	25	1	255	697
05:45 PM	65	1	6	0	72	43	168	53	0	264	16	10	49	1	76	14	194	23	6	237	649
Total	287	7	32	4	330	156	737	191	4	1088	60	23	273	8	364	59	828	99	44	1030	2812
Grand Total	578	17	50	18	663	368	1520	379	20	2287	131	47	559	14	751	126	1719	224	78	2147	5848
Apprch %	87.2	2.6	7.5	2.7		16.1	66.5	16.6	0.9		17.4	6.3	74.4	1.9		5.9	80.1	10.4	3.6		
Total %	9.9	0.3	0.9	0.3	11.3	6.3	26	6.5	0.3	39.1	2.2	0.8	9.6	0.2	12.8	2.2	29.4	3.8	1.3	36.7	

	Kapolei S.C. Dwy. (KFC) Southbound					Farrington Hwy. Westbound					Kapouka Place Northbound					Farrington Hwy. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	74	3	2	0	79	47	189	47	2	285	16	8	78	0	102	18	235	31	2	286	752
04:15 PM	71	2	6	7	86	59	186	45	6	296	24	6	66	0	96	11	218	31	9	269	747
04:30 PM	70	2	5	1	78	46	194	44	6	290	17	7	74	3	101	29	243	38	14	324	793
04:45 PM	76	3	5	6	90	60	214	52	2	328	14	3	68	3	88	9	195	25	9	238	744
Total Volume	291	10	18	14	333	212	783	188	16	1199	71	24	286	6	387	67	891	125	34	1117	3036
% App. Total	87.4	3	5.4	4.2		17.7	65.3	15.7	1.3		18.3	6.2	73.9	1.6		6	79.8	11.2	3		
PHF	.957	.833	.750	.500	.925	.883	.915	.904	.667	.914	.740	.750	.917	.500	.949	.578	.917	.822	.607	.862	.957

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, D4-3888
Counted:SD, WA
Weather:Clear

File Name : FarKap (KFC) MIDDAY
Site Code : 00000012
Start Date : 6/28/2008
Page No : 1

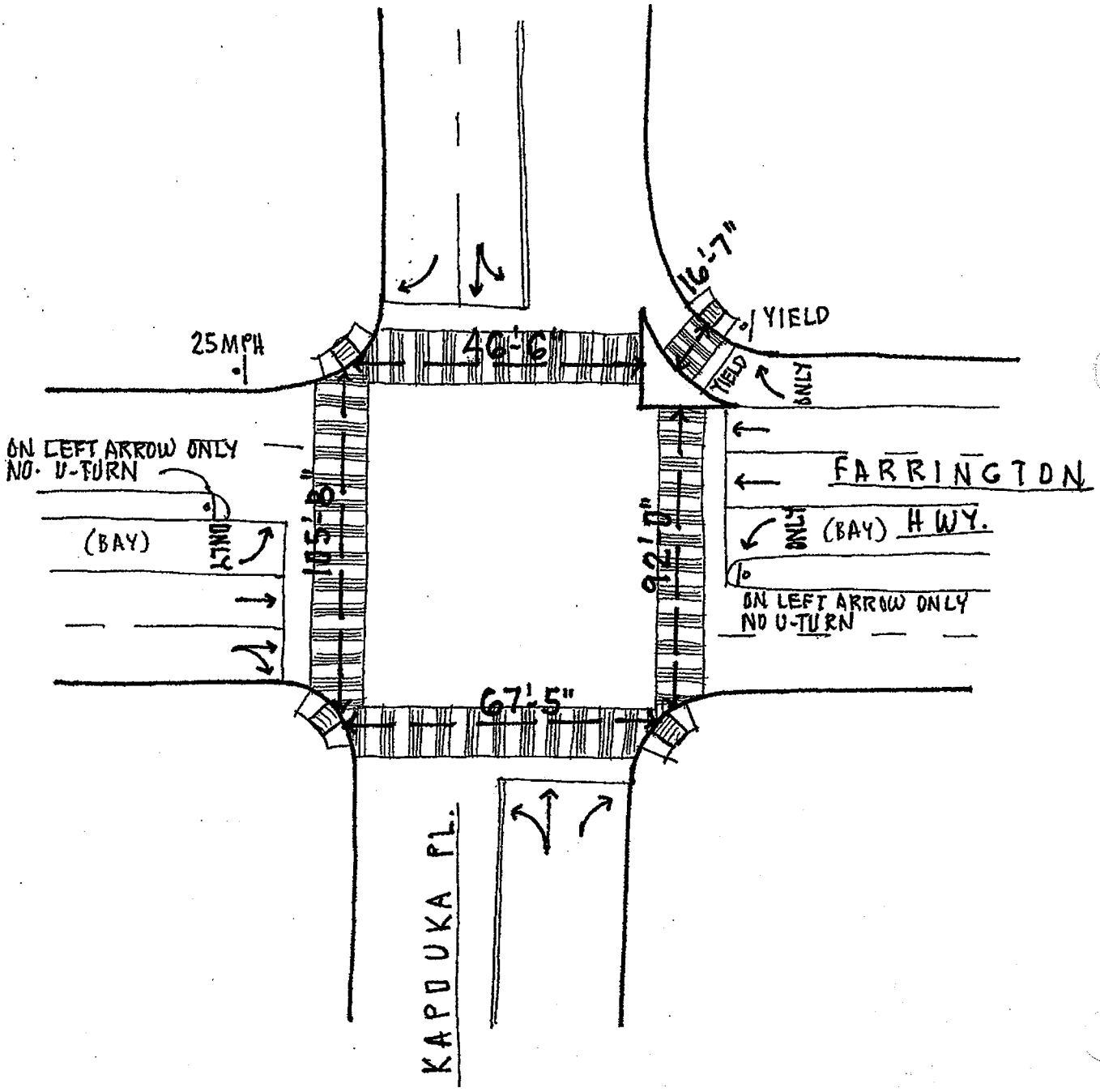
Groups Printed- Unshifted

	Kapolei S.C. Dwy. (KFC) Southbound					Farrington Highway Westbound					Kapouka Place Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	74	5	12	5	96	64	222	38	1	325	9	18	67	0	94	29	142	25	3	199	714
11:15 AM	67	3	6	1	77	58	243	46	11	358	15	12	50	0	77	15	171	22	3	211	723
11:30 AM	60	7	12	3	82	64	193	44	5	306	5	12	58	1	76	30	164	20	7	221	685
11:45 AM	51	0	14	12	77	60	198	38	19	315	20	10	72	2	104	28	166	24	18	236	732
Total	252	15	44	21	332	246	856	166	36	1304	49	52	247	3	351	102	643	91	31	867	2854
12:00 PM	73	3	3	6	85	63	183	45	4	295	18	12	59	1	90	33	131	18	11	193	663
12:15 PM	76	10	8	1	95	40	212	62	3	317	20	9	45	1	75	23	181	34	9	247	734
12:30 PM	55	1	10	9	75	70	205	45	12	332	14	5	66	4	89	35	160	17	6	218	714
12:45 PM	67	15	8	0	90	66	197	49	5	317	10	17	64	2	93	25	165	28	11	229	729
Total	271	29	29	16	345	239	797	201	24	1261	62	43	234	8	347	116	637	97	37	887	2840
Grand Total	523	44	73	37	677	485	1653	367	60	2565	111	95	481	11	698	218	1280	188	68	1754	5694
Apprch %	77.3	6.5	10.8	5.5		18.9	64.4	14.3	2.3		15.9	13.6	68.9	1.6		12.4	73	10.7	3.9		
Total %	9.2	0.8	1.3	0.6	11.9	8.5	29	6.4	1.1	45	1.9	1.7	8.4	0.2	12.3	3.8	22.5	3.3	1.2	30.8	

	Kapolei S.C. Dwy. (KFC) Southbound					Farrington Highway Westbound					Kapouka Place Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	**74**	5	12	5	**96**	**64**	222	38	1	325	9	**18**	67	0	94	29	142	**25**	3	199	714
11:15 AM	67	3	6	1	77	58	**243**	**46**	11	**358**	15	12	50	0	77	15	**171**	22	3	211	723
11:30 AM	60	**7**	12	3	82	64	193	44	5	306	5	12	58	1	76	**30**	164	20	7	221	685
11:45 AM	51	0	**14**	**12**	77	60	198	38	**19**	315	**20**	10	**72**	**2**	**104**	28	166	24	**18**	**236**	**732**
Total Volume	252	15	44	21	332	246	856	166	36	1304	49	52	247	3	351	102	643	91	31	867	2854
% App. Total	75.9	4.5	13.3	6.3		18.9	65.6	12.7	2.8		14	14.8	70.4	0.9		11.8	74.2	10.5	3.6		
PHF	.851	.536	.786	.438	.865	.961	.881	.902	.474	.911	.613	.722	.858	.375	.844	.850	.940	.910	.431	.918	.975

NORTH

KAPOLEI SHOPPING CENTER



WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0528, D4-3889
Counted:TO, SSK
Weather:Clear

File Name : FarMakBar AM
Site Code : 00000013
Start Date : 5/7/2008
Page No : 1

Groups Printed- Unshifted

	Makakilo Drive Southbound					Farrington Highway Westbound					Ft. Barrette Road Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	79	104	188	1	372	8	66	56	0	130	55	76	26	0	157	68	88	27	0	183	842
06:45 AM	86	147	202	0	435	5	61	64	0	130	60	85	23	0	168	36	80	48	0	164	897
Total	165	251	390	1	807	13	127	120	0	260	115	161	49	0	325	104	168	75	0	347	1739
07:00 AM	113	182	186	0	481	10	55	61	0	126	80	107	14	0	201	36	46	30	1	113	921
07:15 AM	108	171	201	0	480	11	80	74	0	165	52	80	46	3	181	71	61	32	1	165	991
07:30 AM	158	172	189	1	520	8	79	96	1	184	101	100	15	0	216	96	75	27	1	199	1119
07:45 AM	91	169	262	0	522	7	86	134	0	227	156	147	8	0	311	76	37	17	0	130	1190
Total	470	694	838	1	2003	36	300	365	1	702	389	434	83	3	909	279	219	106	3	607	4221
08:00 AM	59	107	240	0	406	5	74	89	0	168	93	133	10	0	236	107	54	5	0	166	976
08:15 AM	43	72	183	1	299	9	60	78	0	147	65	107	10	0	182	111	40	22	3	176	804
Grand Total	737	1124	1651	3	3515	63	561	652	1	1277	662	835	152	3	1652	601	481	208	6	1296	7740
Apprch %	21	32	47	0.1		4.9	43.9	51.1	0.1		40.1	50.5	9.2	0.2		46.4	37.1	16	0.5		
Total %	9.5	14.5	21.3	0	45.4	0.8	7.2	8.4	0	16.5	8.6	10.8	2	0	21.3	7.8	6.2	2.7	0.1	16.7	

	Makakilo Drive Southbound					Farrington Highway Westbound					Ft. Barrette Road Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	108	171	201	0	480	**11**	80	74	0	165	52	80	**46**	**3**	181	71	61	**32**	**1**	165	991
07:30 AM	**158**	**172**	189	**1**	520	8	79	96	**1**	184	101	100	15	0	216	96	**75**	27	1	**199**	1119
07:45 AM	91	169	**262**	0	**522**	7	**86**	**134**	0	**227**	**156**	**147**	8	0	**311**	76	37	17	0	130	**1190**
08:00 AM	59	107	240	0	406	5	74	89	0	168	93	133	10	0	236	**107**	54	5	0	166	976
Total Volume	416	619	892	1	1928	31	319	393	1	744	402	460	79	3	944	350	227	81	2	660	4276
% App. Total	21.6	32.1	46.3	0.1		4.2	42.9	52.8	0.1		42.6	48.7	8.4	0.3		53	34.4	12.3	0.3		
PHF	.658	.900	.851	.250	.923	.705	.927	.733	.250	.819	.644	.782	.429	.250	.759	.818	.757	.633	.500	.829	.898

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5676, D4-5675
Counted:JM, JY
Weather:Clear

File Name : FarMakBar MIDDAY
Site Code : 00000013
Start Date : 5/7/2008
Page No : 1

Groups Printed- Unshifted

	Makakilo Drive Southbound					Farrington Highway Westbound					Ft. Barrette Road Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	49	50	160	3	262	2	76	41	0	119	76	64	5	0	145	144	63	15	2	224	750
11:15 AM	45	55	154	0	254	9	58	46	0	113	66	73	6	0	145	181	65	23	1	270	782
11:30 AM	45	55	153	0	253	1	62	41	0	104	68	97	3	0	168	169	60	37	6	272	797
11:45 AM	34	45	126	0	205	12	65	45	1	123	75	75	6	0	156	197	67	24	0	288	772
Total	173	205	593	3	974	24	261	173	1	459	285	309	20	0	614	691	255	99	9	1054	3101
12:00 PM	60	55	149	0	264	7	51	40	0	98	90	53	5	0	148	145	67	27	1	240	750
12:15 PM	39	59	163	0	261	13	58	49	0	120	68	80	13	0	161	156	64	43	0	263	805
12:30 PM	58	74	203	0	335	9	65	52	0	126	70	116	11	5	202	182	65	27	0	274	937
12:45 PM	48	87	169	0	304	1	56	50	0	107	57	77	4	2	140	161	59	41	5	266	817
Total	205	275	684	0	1164	30	230	191	0	451	285	326	33	7	651	644	255	138	6	1043	3309
Grand Total	378	480	1277	3	2138	54	491	364	1	910	570	635	53	7	1265	1335	510	237	15	2097	6410
Apprch %	17.7	22.5	59.7	0.1		5.9	54	40	0.1		45.1	50.2	4.2	0.6		63.7	24.3	11.3	0.7		
Total %	5.9	7.5	19.9	0	33.4	0.8	7.7	5.7	0	14.2	8.9	9.9	0.8	0.1	19.7	20.8	8	3.7	0.2	32.7	

	Makakilo Drive Southbound					Farrington Highway Westbound					Ft. Barrette Road Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	**60**	55	149	0	264	7	51	40	0	98	**90**	53	5	0	148	145	**67**	27	1	240	750
12:15 PM	39	59	163	0	261	**13**	58	49	0	120	68	80	**13**	0	161	156	64	**43**	0	263	805
12:30 PM	58	74	**203**	0	**335**	9	**65**	**52**	0	**126**	70	**116**	11	**5**	**202**	**182**	65	27	0	**274**	**937**
12:45 PM	48	**87**	169	0	304	1	56	50	0	107	57	77	4	2	140	161	59	41	**5**	266	817
Total Volume	205	275	684	0	1164	30	230	191	0	451	285	326	33	7	651	644	255	138	6	1043	3309
% App. Total	17.6	23.6	58.8	0		6.7	51	42.4	0		43.8	50.1	5.1	1.1		61.7	24.4	13.2	0.6		
PHF	.854	.790	.842	.000	.869	.577	.885	.918	.000	.895	.792	.703	.635	.350	.806	.885	.951	.802	.300	.952	.883

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D1-0768
Counted:TO, JY
Weather:Clear

File Name : FarMakBar PM
Site Code : 00000013
Start Date : 5/7/2008
Page No : 1

Groups Printed- Unshifted

	Makakilo Drive Southbound					Farrington Hwy. Westbound					Ft. Barrette Road Northbound					Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	127	137	186	0	450	4	75	79	0	158	57	132	2	2	193	205	88	35	0	328	1129
04:15 PM	136	73	181	2	392	7	69	95	2	173	79	114	24	0	217	199	113	50	0	362	1144
04:30 PM	115	79	200	8	402	6	90	50	0	146	61	108	5	0	174	263	120	49	2	434	1156
04:45 PM	143	94	197	5	439	5	57	69	1	132	50	137	24	0	211	232	118	91	0	441	1223
Total	521	383	764	15	1683	22	291	293	3	609	247	491	55	2	795	899	439	225	2	1565	4652
05:00 PM	145	89	190	2	426	7	95	51	0	153	84	131	25	0	240	207	132	82	3	424	1243
05:15 PM	140	56	189	1	386	9	73	95	0	177	57	94	5	0	156	203	97	24	0	324	1043
05:30 PM	130	114	190	3	437	9	67	64	0	140	51	89	21	0	161	236	126	28	1	391	1129
05:45 PM	135	112	193	2	442	9	60	60	1	130	59	90	9	0	158	206	107	83	1	397	1127
Total	550	371	762	8	1691	34	295	270	1	600	251	404	60	0	715	852	462	217	5	1536	4542
Grand Total	1071	754	1526	23	3374	56	586	563	4	1209	498	895	115	2	1510	1751	901	442	7	3101	9194
Apprch %	31.7	22.3	45.2	0.7		4.6	48.5	46.6	0.3		33	59.3	7.6	0.1		56.5	29.1	14.3	0.2		
Total %	11.6	8.2	16.6	0.3	36.7	0.6	6.4	6.1	0	13.1	5.4	9.7	1.3	0	16.4	19	9.8	4.8	0.1	33.7	

	Makakilo Drive Southbound					Farrington Hwy. Westbound					Ft. Barrette Road Northbound					Kamokila Blvd. Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	136	73	181	2	392	**7**	69	**95**	**2**	**173**	79	114	24	0	217	199	113	50	0	362	1144
04:30 PM	115	79	**200**	**8**	402	6	90	50	0	146	61	108	5	0	174	**263**	120	49	2	434	1156
04:45 PM	143	**94**	197	5	**439**	5	57	69	1	132	50	**137**	24	0	**211**	232	118	**91**	0	**441**	1223
05:00 PM	**145**	89	190	2	426	7	**95**	51	0	153	**84**	131	**25**	0	**240**	207	**132**	82	**3**	424	**1243**
Total Volume	539	335	768	17	1659	25	311	265	3	604	274	490	78	0	842	901	483	272	5	1661	4766
% App. Total	32.5	20.2	46.3	1		4.1	51.5	43.9	0.5		32.5	58.2	9.3	0		54.2	29.1	16.4	0.3		
PHF	.929	.891	.960	.531	.945	.893	.818	.697	.375	.873	.815	.894	.780	.000	.877	.856	.915	.747	.417	.942	.959

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

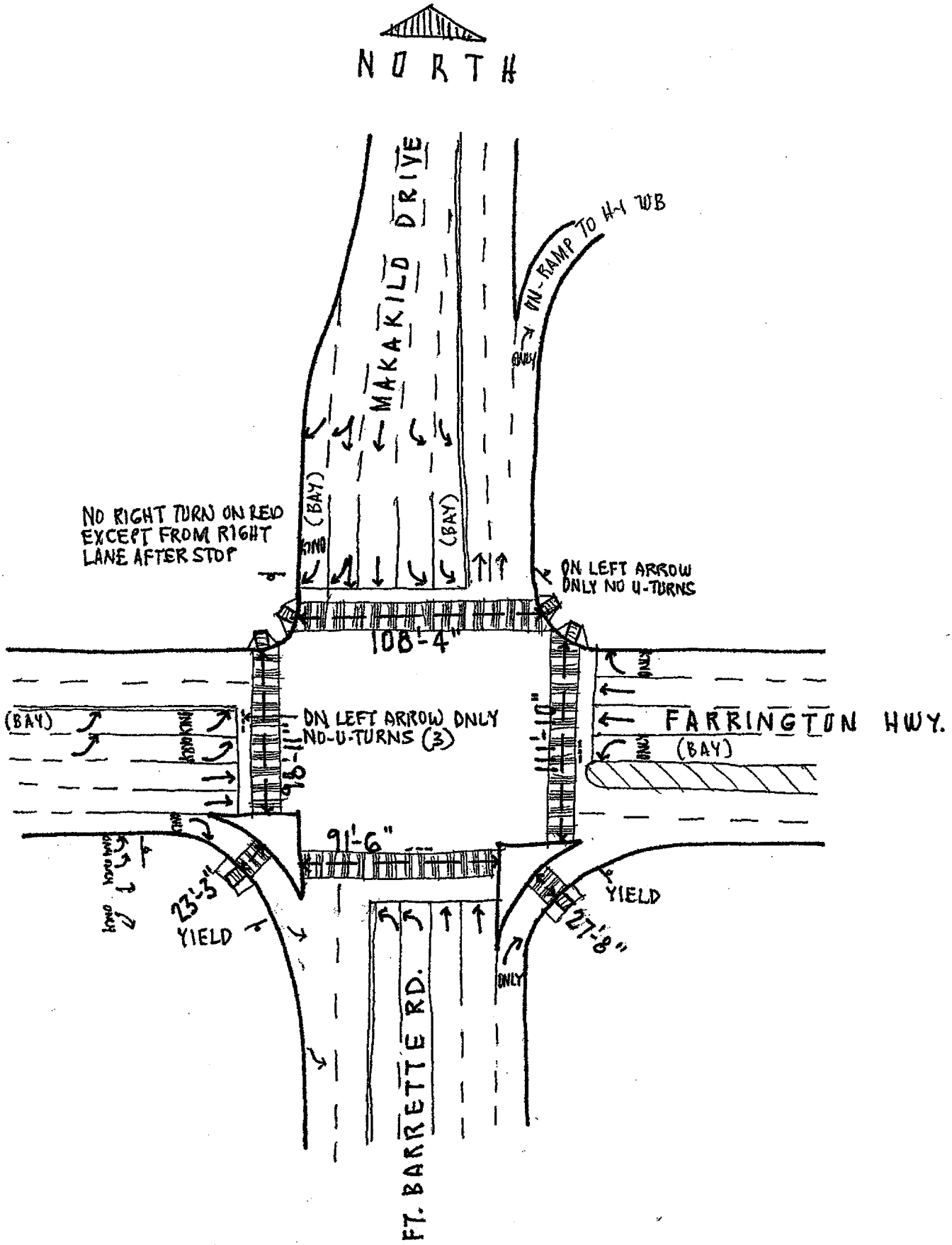
Counter:D4-3889, D4-5676
Counted:JY, RL
Weather:Clear

File Name : FarMakBar MIDDAY
Site Code : 00000013
Start Date : 6/28/2008
Page No : 1

Groups Printed- Unshifted

	Makakilo Drive Southbound					Farrington Highway Westbound					Ft. Barrette Road Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	60	90	199	0	349	7	69	35	1	112	98	99	7	0	204	159	73	60	6	298	963
11:15 AM	61	107	222	1	391	13	66	36	0	115	90	78	6	1	175	162	55	52	3	272	953
11:30 AM	58	104	231	0	393	6	76	70	0	152	93	95	7	0	195	183	73	72	2	330	1070
11:45 AM	46	121	212	3	382	3	78	54	0	135	88	117	9	3	217	169	59	77	3	308	1042
Total	225	422	864	4	1515	29	289	195	1	514	369	389	29	4	791	673	260	261	14	1208	4028
12:00 PM	48	96	223	3	370	7	66	71	0	144	89	122	3	1	215	174	71	54	0	299	1028
12:15 PM	57	97	196	0	350	10	61	52	0	123	81	106	11	0	198	192	68	67	7	334	1005
12:30 PM	67	105	218	0	390	9	65	40	2	116	96	88	5	0	189	182	66	68	1	317	1012
12:45 PM	51	96	165	1	313	11	77	63	0	151	64	92	8	0	164	218	79	64	0	361	989
Total	223	394	802	4	1423	37	269	226	2	534	330	408	27	1	766	766	284	253	8	1311	4034
Grand Total	448	816	1666	8	2938	66	558	421	3	1048	699	797	56	5	1557	1439	544	514	22	2519	8062
Apprch %	15.2	27.8	56.7	0.3		6.3	53.2	40.2	0.3		44.9	51.2	3.6	0.3		57.1	21.6	20.4	0.9		
Total %	5.6	10.1	20.7	0.1	36.4	0.8	6.9	5.2	0	13	8.7	9.9	0.7	0.1	19.3	17.8	6.7	6.4	0.3	31.2	

	Makakilo Drive Southbound					Farrington Highway Westbound					Ft. Barrette Road Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	**58**	104	**231**	0	**393**	6	76	70	0	**152**	**93**	95	7	0	195	183	**73**	72	2	330	**1070**
11:45 AM	46	**121**	212	**3**	382	3	**78**	54	0	135	88	117	9	**3**	**217**	169	59	**77**	3	308	1042
12:00 PM	48	96	223	3	370	7	66	**71**	0	144	89	**122**	3	1	215	174	71	54	0	299	1028
12:15 PM	57	97	196	0	350	**10**	61	52	0	123	81	106	**11**	0	198	**192**	68	67	**7**	**334**	1005
Total Volume	209	418	862	6	1495	26	281	247	0	554	351	440	30	4	825	718	271	270	12	1271	4145
% App. Total	14	28	57.7	0.4		4.7	50.7	44.6	0		42.5	53.3	3.6	0.5		56.5	21.3	21.2	0.9		
PH	.901	.864	.933	.500	.951	.650	.901	.870	.000	[illegible]	.944	.902	.682	.333	.950	.935	.928	.877	.429		.968


NORTH
MAKAKILO DRIVE
ON-RAMP TO H-1 WB
ONLY
NO RIGHT TURN ON RED EXCEPT FROM RIGHT LANE AFTER STOP
(BAY)
(BAY)
ON LEFT ARROW ONLY NO U-TURNS
108'-4"
(BAY)
ON LEFT ARROW ONLY NO-U-TURNS (3)
FARRINGTON HWY.
(BAY)
ONLY
98'-11"
91'-6"
23'-3"
YIELD
YIELD
27'-8"
ONLY
FT. BARRETTE RD.

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3889, D1-0526
Counted:TO, Kawika
Weather : Clear

File Name : FarKea AM
Site Code : 00000014
Start Date : 5/7/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Farrington Hwy. Westbound					Kealanani Avenue Northbound					Farrington Hwy. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	13	87	0	0	100	59	0	61	0	120	0	164	14	0	178	398
06:45 AM	0	16	74	0	0	90	63	0	69	0	132	0	127	45	0	172	394
Total	0	29	161	0	0	190	122	0	130	0	252	0	291	59	0	350	792
07:00 AM	0	42	68	0	0	110	83	0	75	0	158	0	121	47	0	168	436
07:15 AM	0	46	91	0	0	137	91	0	94	1	186	0	103	87	0	190	513
07:30 AM	0	60	115	0	0	175	114	0	71	1	186	0	84	95	1	180	541
07:45 AM	0	31	80	0	0	111	123	0	82	0	205	0	101	65	0	166	482
Total	0	179	354	0	0	533	411	0	322	2	735	0	409	294	1	704	1972
08:00 AM	0	13	79	0	0	92	76	0	19	0	95	0	74	33	0	107	294
08:15 AM	0	15	77	0	0	92	73	0	24	0	97	0	71	31	0	102	291
Grand Total	0	236	671	0	0	907	682	0	495	2	1179	0	845	417	1	1263	3349
Apprch %		26	74	0	0		57.8	0	42	0.2		0	66.9	33	0.1		
Total %	0	7	20	0	0	27.1	20.4	0	14.8	0.1	35.2	0	25.2	12.5	0	37.7	

	Southbound	Farrington Hwy. Westbound					Kealanani Avenue Northbound					Farrington Hwy. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	42	68	0	0	110	83	0	75	0	158	0	**121**	47	0	168	436
07:15 AM	0	46	91	0	0	137	91	0	**94**	**1**	186	0	103	87	0	**190**	513
07:30 AM	0	**60**	**115**	0	0	**175**	114	0	71	1	186	0	84	**95**	**1**	180	**541**
07:45 AM	0	31	80	0	0	111	**123**	0	82	0	**205**	0	101	65	0	166	482
Total Volume	0	179	354	0	0	533	411	0	322	2	735	0	409	294	1	704	1972
% App. Total		33.6	66.4	0	0		55.9	0	43.8	0.3		0	58.1	41.8	0.1		
PHF	.000	.746	.770	.000	.000	.761	.835	.000	.856	.500	.896	.000	.845	.774	.250	.926	.911

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, T-1839
Counted:ZW, TO
Weather:Clear

File Name : FarKea MIDDAY
Site Code : 00000014
Start Date : 5/7/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Farrington Highway Westbound					Kealanani Street Northbound					Farrington Highway Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	17	64	0	0	81	55	0	16	0	71	0	94	37	2	133	285
11:15 AM	0	16	76	0	0	92	37	0	14	0	51	0	86	30	0	116	259
11:30 AM	0	12	59	0	1	72	49	0	19	0	68	0	92	37	0	129	269
11:45 AM	0	15	74	0	1	90	51	0	9	1	61	0	85	36	0	121	272
Total	0	60	273	0	2	335	192	0	58	1	251	0	357	140	2	499	1085
12:00 PM	0	12	68	0	1	81	37	0	8	0	45	0	89	49	0	138	264
12:15 PM	0	17	70	0	0	87	52	0	14	1	67	0	83	45	0	128	282
12:30 PM	0	12	93	0	0	105	40	0	15	0	55	0	85	63	1	149	309
12:45 PM	0	23	78	0	1	102	42	0	11	0	53	0	66	51	0	117	272
Total	0	64	309	0	2	375	171	0	48	1	220	0	323	208	1	532	1127
Grand Total	0	124	582	0	4	710	363	0	106	2	471	0	680	348	3	1031	2212
Apprch %		17.5	82	0	0.6		77.1	0	22.5	0.4		0	66	33.8	0.3		
Total %	0	5.6	26.3	0	0.2	32.1	16.4	0	4.8	0.1	21.3	0	30.7	15.7	0.1	46.6	

	Southbound	Farrington Highway Westbound					Kealanani Street Northbound					Farrington Highway Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:45 AM																	
11:45 AM	0	15	74	0	**1**	90	51	0	9	**1**	61	0	85	36	0	121	272
12:00 PM	0	12	68	0	1	81	37	0	8	0	45	0	**89**	49	0	138	264
12:15 PM	0	**17**	70	0	0	87	**52**	0	14	1	**67**	0	83	45	0	128	282
12:30 PM	0	12	**93**	0	0	**105**	40	0	**15**	0	55	0	85	**63**	**1**	**149**	**309**
Total Volume	0	56	305	0	2	363	180	0	46	2	228	0	342	193	1	536	1127
% App. Total		15.4	84	0	0.6		78.9	0	20.2	0.9		0	63.8	36	0.2		
PHF	.000	.824	.820	.000	.500	.864	.865	.000	.767	.500	.851	.000	.961	.766	.250	.899	.912

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0526
Counted:Kawika
Weather: Clear

File Name : FarKea PM
Site Code : 00000014
Start Date : 5/7/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Farrington Hwy. Westbound					Kealanani Avenue Northbound					Farrington Hwy. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	61	83	0	0	144	59	0	23	0	82	0	123	140	0	263	489
04:15 PM	0	64	78	0	0	142	66	0	29	0	95	0	109	107	0	216	453
04:30 PM	0	55	85	0	0	140	66	0	23	0	89	0	100	115	0	215	444
04:45 PM	0	50	78	0	0	128	50	0	23	0	73	0	102	115	0	217	418
Total	0	230	324	0	0	554	241	0	98	0	339	0	434	477	0	911	1804
05:00 PM	0	43	73	0	0	116	47	0	18	0	65	0	85	136	0	221	402
05:15 PM	0	37	81	0	0	118	55	0	24	2	81	0	97	135	0	232	431
05:30 PM	0	51	57	0	0	108	77	0	17	1	95	0	83	116	0	199	402
05:45 PM	0	38	87	0	0	125	37	0	14	0	51	0	99	118	0	217	393
Total	0	169	298	0	0	467	216	0	73	3	292	0	364	505	0	869	1628
Grand Total	0	399	622	0	0	1021	457	0	171	3	631	0	798	982	0	1780	3432
Apprch %		39.1	60.9	0	0		72.4	0	27.1	0.5		0	44.8	55.2	0		
Total %	0	11.6	18.1	0	0	29.7	13.3	0	5	0.1	18.4	0	23.3	28.6	0	51.9	

	Southbound	Farrington Hwy. Westbound					Kealanani Avenue Northbound					Farrington Hwy. Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	61	83	0	0	**144**	59	0	23	0	82	0	**123**	**140**	0	**263**	**489**
04:15 PM	0	**64**	78	0	0	142	**66**	0	**29**	0	**95**	0	109	107	0	216	453
04:30 PM	0	55	**85**	0	0	140	66	0	23	0	89	0	100	115	0	215	444
04:45 PM	0	50	78	0	0	128	50	0	23	0	73	0	102	115	0	217	418
Total Volume	0	230	324	0	0	554	241	0	98	0	339	0	434	477	0	911	1804
% App. Total		41.5	58.5	0	0		71.1	0	28.9	0		0	47.6	52.4	0		
PHF	.000	.898	.953	.000	.000	.962	.913	.000	.845	.000	.892	.000	.882	.852	.000	.866	.922

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

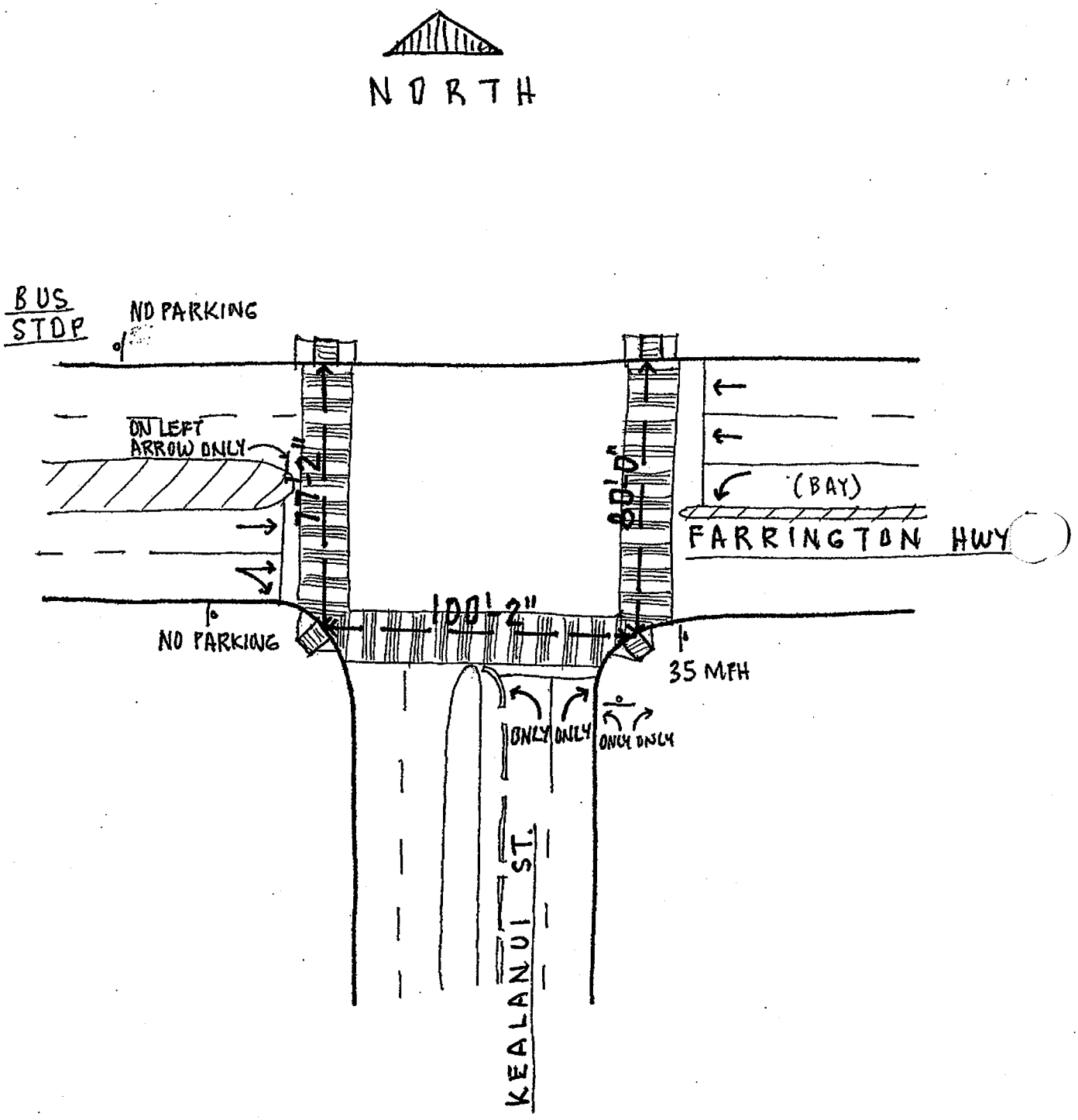
Counter:D4-3890
Counted:DY
Weather:Clear

File Name : FarKea MIDDAY
Site Code : 00000014
Start Date : 7/12/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Farrington Highway Westbound					Kealanani Street Northbound					Farrington Highway Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	27	91	0	0	118	63	0	19	2	84	0	89	40	3	132	334
11:15 AM	0	20	77	0	0	97	78	1	24	0	103	0	82	29	0	111	311
11:30 AM	0	23	89	0	0	112	59	0	22	0	81	0	89	47	0	136	329
11:45 AM	0	24	90	1	1	116	59	1	17	0	77	0	73	58	1	132	325
Total	0	94	347	1	1	443	259	2	82	2	345	0	333	174	4	511	1299
12:00 PM	0	20	90	0	0	110	49	0	18	0	67	0	92	60	1	153	330
12:15 PM	0	23	105	0	0	128	56	0	16	0	72	0	78	42	0	120	320
12:30 PM	0	26	92	0	0	118	57	0	14	0	71	0	87	59	0	146	335
12:45 PM	0	23	101	0	0	124	61	0	15	0	76	0	76	51	0	127	327
Total	0	92	388	0	0	480	223	0	63	0	286	0	333	212	1	546	1312
Grand Total	0	186	735	1	1	923	482	2	145	2	631	0	666	386	5	1057	2611
Apprch %		20.2	79.6	0.1	0.1		76.4	0.3	23	0.3		0	63	36.5	0.5		
Total %	0	7.1	28.2	0	0	35.4	18.5	0.1	5.6	0.1	24.2	0	25.5	14.8	0.2	40.5	

	Southbound	Farrington Highway Westbound					Kealanani Street Northbound					Farrington Highway Eastbound					
Start Time	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:00 PM																	
12:00 PM	0	20	90	0	0	110	49	0	18	0	67	0	92	60	1	153	330
12:15 PM	0	23	105	0	0	128	56	0	16	0	72	0	78	42	0	120	320
12:30 PM	0	26	92	0	0	118	57	0	14	0	71	0	87	59	0	146	335
12:45 PM	0	23	101	0	0	124	61	0	15	0	76	0	76	51	0	127	327
Total Volume	0	92	388	0	0	480	223	0	63	0	286	0	333	212	1	546	1312
% App. Total		19.2	80.8	0	0		78	0	22	0		0	61	38.8	0.2		
PHF	.000	.885	.924	.000	.000	.938	.914	.000	.875	.000	.941	.000	.905	.883	.250	.892	.979


NORTH
BUS STOP
NO PARKING
ON LEFT ARROW ONLY
77'-2"
80'-0"
(BAY)
FARRINGTON HWY
100'-2"
NO PARKING
35 MPH
ONLY
ONLY
ONLY
ONLY
KEALANUI ST.

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-3889
Counted:JY, ME
Weather:Clear

File Name : FarNou AM
Site Code : 00000061
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Noulu Street Southbound					Farrington Highway Westbound					Papaiaulu Avenue Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	11	1	25	1	38	0	52	3	1	56	18	0	6	0	24	9	150	4	0	163	281
06:45 AM	15	0	28	0	43	2	61	0	0	63	15	0	6	0	21	4	163	4	2	173	300
Total	26	1	53	1	81	2	113	3	1	119	33	0	12	0	45	13	313	8	2	336	581
07:00 AM	13	0	33	0	46	0	53	1	0	54	15	1	0	0	16	8	191	4	3	206	322
07:15 AM	15	1	54	0	70	0	81	4	0	85	16	0	2	0	18	12	208	1	10	231	404
07:30 AM	10	0	63	0	73	0	87	1	0	88	22	0	1	0	23	29	167	9	2	207	391
07:45 AM	11	0	30	0	41	1	75	2	0	78	13	0	1	0	14	13	217	11	0	241	374
Total	49	1	180	0	230	1	296	8	0	305	66	1	4	0	71	62	783	25	15	885	1491
08:00 AM	9	0	28	0	37	1	48	4	0	53	7	0	0	0	7	6	135	6	0	147	244
08:15 AM	3	0	28	0	31	0	65	1	0	66	6	0	0	0	6	18	80	10	5	113	216
Grand Total	87	2	289	1	379	4	522	16	1	543	112	1	16	0	129	99	1311	49	22	1481	2532
Apprch %	23	0.5	76.3	0.3		0.7	96.1	2.9	0.2		86.8	0.8	12.4	0		6.7	88.5	3.3	1.5		
Total %	3.4	0.1	11.4	0	15	0.2	20.6	0.6	0	21.4	4.4	0	0.6	0	5.1	3.9	51.8	1.9	0.9	58.5	

	Noulu Street Southbound					Farrington Highway Westbound					Papaiaulu Avenue Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	13	0	33	0	46	0	53	1	0	54	15	1	0	0	16	8	191	4	3	206	322
07:15 AM	**15**	**1**	54	0	70	0	81	**4**	0	85	16	0	**2**	0	18	12	208	1	**10**	231	**404**
07:30 AM	10	0	**63**	0	**73**	0	**87**	1	0	**88**	**22**	0	1	0	**23**	**29**	167	9	2	207	391
07:45 AM	11	0	30	0	41	**1**	75	2	0	78	13	0	1	0	14	13	**217**	**11**	0	**241**	374
Total Volume	49	1	180	0	230	1	296	8	0	305	66	1	4	0	71	62	783	25	15	885	1491
% App. Total	21.3	0.4	78.3	0		0.3	97	2.6	0		93	1.4	5.6	0		7	88.5	2.8	1.7		
PHF	.817	.250	.714	.000	.788	.250	.851	.500	.000	.866	.750	.250	.500	.000	.772	.534	.902	.568	.375	.918	.923

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-3889
Counted:JY, ME
Weather:Clear

File Name : FarNou MIDDAY
Site Code : 00000061
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Noulu Street Southbound					Farrington Highway Westbound					Papaiaulu Avenue Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	2	0	13	0	15	0	49	2	1	52	3	0	3	0	6	18	79	6	0	103	176
11:15 AM	1	0	10	0	11	1	73	5	1	80	7	2	0	0	9	17	83	8	1	109	209
11:30 AM	4	0	15	0	19	1	61	0	0	62	1	10	0	0	11	24	113	11	0	148	240
11:45 AM	2	0	14	0	16	3	62	0	0	65	1	0	0	0	1	16	90	3	0	109	191
Total	9	0	52	0	61	5	245	7	2	259	12	12	3	0	27	75	365	28	1	469	816
12:00 PM	2	0	11	0	13	2	88	3	0	93	5	1	0	0	6	23	70	7	0	100	212
12:15 PM	5	0	15	0	20	0	62	1	0	63	7	1	0	0	8	8	63	2	0	73	164
12:30 PM	4	1	18	0	23	0	73	3	0	76	4	0	0	0	4	14	85	3	0	102	205
12:45 PM	1	0	14	0	15	1	78	3	0	82	8	2	1	0	11	12	61	6	0	79	187
Total	12	1	58	0	71	3	301	10	0	314	24	4	1	0	29	57	279	18	0	354	768
Grand Total	21	1	110	0	132	8	546	17	2	573	36	16	4	0	56	132	644	46	1	823	1584
Apprch %	15.9	0.8	83.3	0		1.4	95.3	3	0.3		64.3	28.6	7.1	0		16	78.3	5.6	0.1		
Total %	1.3	0.1	6.9	0	8.3	0.5	34.5	1.1	0.1	36.2	2.3	1	0.3	0	3.5	8.3	40.7	2.9	0.1	52	

	Noulu Street Southbound					Farrington Highway Westbound					Papaiaulu Avenue Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	1	0	10	0	11	1	73	**5**	**1**	80	**7**	2	0	0	9	17	83	8	**1**	109	209
11:30 AM	**4**	0	**15**	0	**19**	1	61	0	0	62	1	**10**	0	0	**11**	**24**	**113**	**11**	0	**148**	**240**
11:45 AM	2	0	14	0	16	**3**	62	0	0	65	1	0	0	0	1	16	90	3	0	109	191
12:00 PM	2	0	11	0	13	2	**88**	3	0	**93**	5	1	0	0	6	23	70	7	0	100	212
Total Volume	9	0	50	0	59	7	284	8	1	300	14	13	0	0	27	80	356	29	1	466	852
% App. Total	15.3	0	84.7	0		2.3	94.7	2.7	0.3		51.9	48.1	0	0		17.2	76.4	6.2	0.2		
PHF	.563	.000	.833	.000	.776	.583	.807	.400	.250	.806	.500	.325	.000	.000	.614	.833	.788	.659	.250	.787	.888

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-3889
Counted:JY, ME
Weather:Clear

File Name : FarNou PM
Site Code : 00000061
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Noulu Street Southbound					Farrington Highway Westbound					Papaiaulu Avenue Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	5	0	24	1	30	1	87	8	0	96	14	2	2	1	19	26	74	13	0	113	258
04:15 PM	21	1	20	1	43	1	115	8	2	126	7	1	1	0	9	41	94	12	1	148	326
04:30 PM	5	1	25	3	34	2	87	8	6	103	9	1	1	1	12	36	99	22	5	162	311
04:45 PM	9	1	27	1	38	1	71	15	3	90	7	1	0	3	11	44	94	13	0	151	290
Total	40	3	96	6	145	5	360	39	11	415	37	5	4	5	51	147	361	60	6	574	1185
05:00 PM	6	0	20	0	26	2	83	13	4	102	7	0	2	3	12	41	62	11	0	114	254
05:15 PM	9	0	20	3	32	0	81	13	2	96	6	0	3	0	9	35	72	7	0	114	251
05:30 PM	3	0	32	0	35	1	78	10	1	90	7	0	0	2	9	36	62	13	0	111	245
05:45 PM	4	1	20	1	26	1	98	10	9	118	11	1	0	5	17	28	56	20	2	106	267
Total	22	1	92	4	119	4	340	46	16	406	31	1	5	10	47	140	252	51	2	445	1017
Grand Total	62	4	188	10	264	9	700	85	27	821	68	6	9	15	98	287	613	111	8	1019	2202
Apprch %	23.5	1.5	71.2	3.8		1.1	85.3	10.4	3.3		69.4	6.1	9.2	15.3		28.2	60.2	10.9	0.8		
Total %	2.8	0.2	8.5	0.5	12	0.4	31.8	3.9	1.2	37.3	3.1	0.3	0.4	0.7	4.5	13	27.8	5	0.4	46.3	

	Noulu Street Southbound					Farrington Highway Westbound					Papaiaulu Avenue Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	5	0	24	1	30	1	87	8	0	96	14	2	2	1	19	26	74	13	0	113	258
04:15 PM	21	1	20	1	43	1	115	8	2	126	7	1	1	0	9	41	94	12	1	148	326
04:30 PM	5	1	25	3	34	2	87	8	6	103	9	1	1	1	12	36	99	22	5	162	311
04:45 PM	9	1	27	1	38	1	71	15	3	90	7	1	0	3	11	44	94	13	0	151	290
Total Volume	40	3	96	6	145	5	360	39	11	415	37	5	4	5	51	147	361	60	6	574	1185
% App. Total	27.6	2.1	66.2	4.1		1.2	86.7	9.4	2.7		72.5	9.8	7.8	9.8		25.6	62.9	10.5	1		
PHF	.476	.750	.889	.500	.843	.625	.783	.650	.458	.823	.661	.625	.500	.417	.671	.835	.912	.682	.300	.886	.909

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

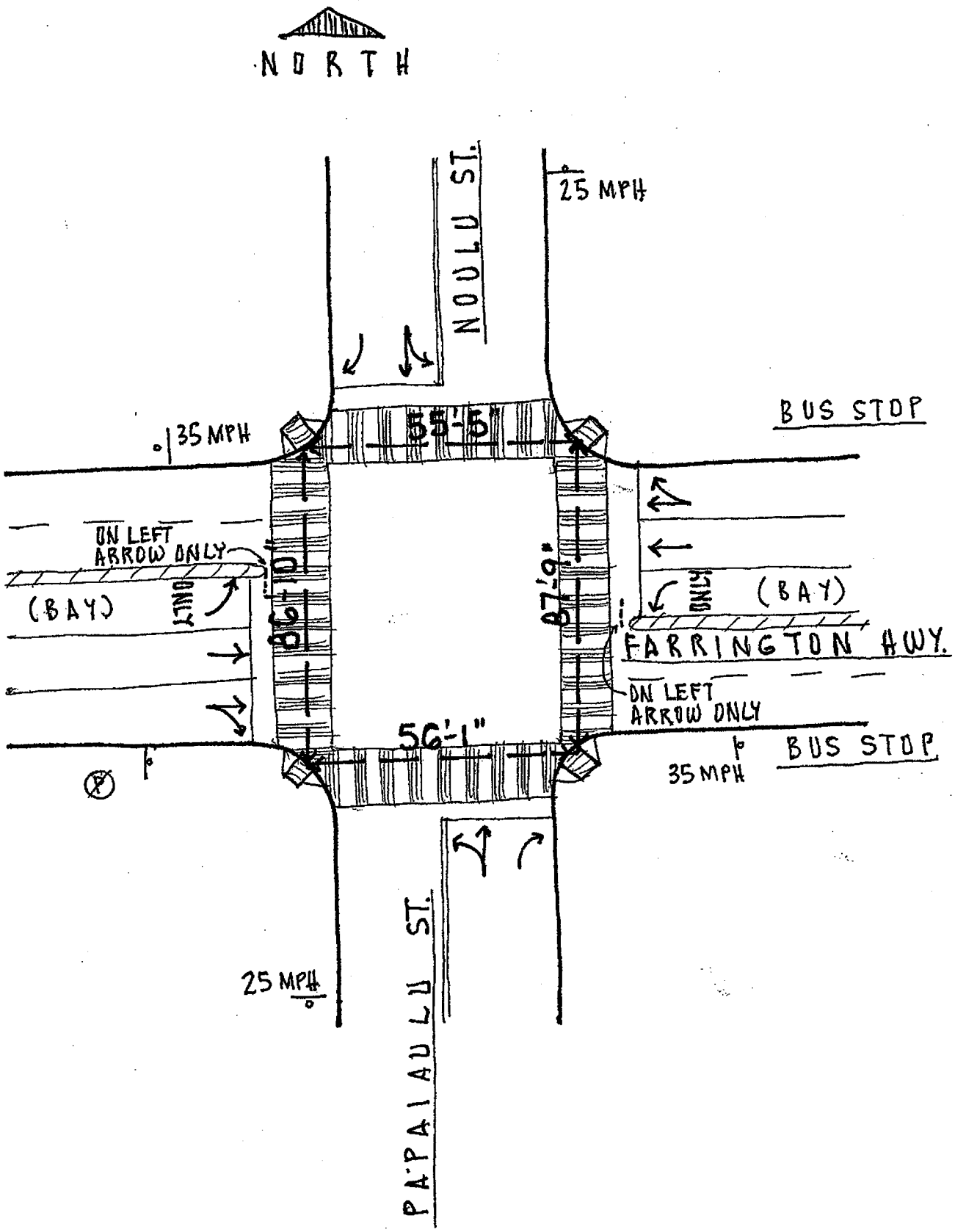
Counter:D4-5674, D4-5677
Counted:KK, JK
Weather:Clear

File Name : FarNou MIDDAY
Site Code : 00000015
Start Date : 7/12/2008
Page No : 1

Groups Printed- Unshifted

	Noulu Street Southbound					Farrington Highway Westbound					Papaiaulu Avenue Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	5	0	30	0	35	0	66	6	0	72	18	1	0	0	19	21	71	10	0	102	228
11:15 AM	4	0	18	0	22	0	57	1	0	58	8	0	1	0	9	19	70	14	0	103	192
11:30 AM	6	0	24	3	33	0	73	3	0	76	11	0	3	0	14	27	57	16	0	100	223
11:45 AM	2	0	21	0	23	0	69	6	3	78	6	0	0	0	6	23	68	9	0	100	207
Total	17	0	93	3	113	0	265	16	3	284	43	1	4	0	48	90	266	49	0	405	850
12:00 PM	8	0	22	0	30	2	63	7	0	72	16	1	0	0	17	11	79	15	0	105	224
12:15 PM	2	0	21	0	23	3	91	2	0	96	9	1	1	0	11	24	59	12	0	95	225
12:30 PM	6	0	23	0	29	0	75	6	0	81	10	0	0	0	10	15	52	12	0	79	199
12:45 PM	1	1	13	0	15	1	92	7	0	100	6	0	1	0	7	26	64	14	0	104	226
Total	17	1	79	0	97	6	321	22	0	349	41	2	2	0	45	76	254	53	0	383	874
Grand Total	34	1	172	3	210	6	586	38	3	633	84	3	6	0	93	166	520	102	0	788	1724
Apprch %	16.2	0.5	81.9	1.4		0.9	92.6	6	0.5		90.3	3.2	6.5	0		21.1	66	12.9	0		
Total %	2	0.1	10	0.2	12.2	0.3	34	2.2	0.2	36.7	4.9	0.2	0.3	0	5.4	9.6	30.2	5.9	0	45.7	

	Noulu Street Southbound					Farrington Highway Westbound					Papaiaulu Avenue Northbound					Farrington Highway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30 AM																					
11:30 AM	6	0	**24**	**3**	**33**	0	73	3	0	76	11	0	**3**	0	14	**27**	57	**16**	0	100	223
11:45 AM	2	0	21	0	23	0	69	6	**3**	78	6	0	0	0	6	23	68	9	0	100	207
12:00 PM	**8**	0	22	0	30	2	63	**7**	0	72	**16**	**1**	0	0	**17**	11	**79**	15	0	**105**	224
12:15 PM	2	0	21	0	23	**3**	**91**	2	0	**96**	9	1	1	0	11	24	59	12	0	95	**225**
Total Volume	18	0	88	3	109	5	296	18	3	322	42	2	4	0	48	85	263	52	0	400	879
% App. Total	16.5	0	80.7	2.8		1.6	91.9	5.6	0.9		87.5	4.2	8.3	0		21.2	65.8	13	0		
PHF	.563	.000	.917	.250	.826	.417	.813	.643	.250	.839	.656	.500	.333	.000	.706	.787	.832	.813	.000	.952	.977


NORTH
NOULU ST.
25 MPH
BUS STOP
35 MPH
55'-5"
ON LEFT
ARROW ONLY
(BAY)
ONLY
86'-10"
87'-9"
(BAY)
ONLY
FARRINGTON HWY.
ON LEFT
ARROW ONLY
56'-1"
BUS STOP
35 MPH
25 MPH
PA'PAIAULU ST.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0526, D4-3890
Counted:Steve, EK
Weather:Clear

File Name : KamBar AM
Site Code : 00000005
Start Date : 5/8/2008
Page No : 1

Groups Printed- Unshifted

	Ft. Barrette Road Southbound					Kamaaha Avenue Westbound					Ft. Barrette Road Northbound					Kamaaha Avenue Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	22	154	2	0	178	17	33	30	0	80	90	152	5	0	247	1	4	37	0	42	547
06:45 AM	26	146	0	0	172	17	29	25	0	71	90	121	15	0	226	2	14	58	0	74	543
Total	48	300	2	0	350	34	62	55	0	151	180	273	20	0	473	3	18	95	0	116	1090
07:00 AM	58	184	0	0	242	23	42	44	0	109	104	143	8	0	255	1	9	74	0	84	690
07:15 AM	47	169	1	0	217	35	41	39	0	115	126	127	15	0	268	2	17	60	0	79	679
07:30 AM	28	206	1	0	235	32	60	68	0	160	134	163	18	0	315	4	31	90	0	125	835
07:45 AM	20	128	2	0	150	21	70	77	0	168	145	174	13	0	332	17	26	81	0	124	774
Total	153	687	4	0	844	111	213	228	0	552	509	607	54	0	1170	24	83	305	0	412	2978
08:00 AM	20	93	7	0	120	9	29	45	2	85	92	144	9	0	245	13	19	33	0	65	515
08:15 AM	19	98	3	0	120	4	24	31	0	59	74	100	8	1	183	0	4	48	0	52	414
Grand Total	240	1178	16	0	1434	158	328	359	2	847	855	1124	91	1	2071	40	124	481	0	645	4997
Apprch %	16.7	82.1	1.1	0		18.7	38.7	42.4	0.2		41.3	54.3	4.4	0		6.2	19.2	74.6	0		
Total %	4.8	23.6	0.3	0	28.7	3.2	6.6	7.2	0	17	17.1	22.5	1.8	0	41.4	0.8	2.5	9.6	0	12.9	

	Ft. Barrette Road Southbound					Kamaaha Avenue Westbound					Ft. Barrette Road Northbound					Kamaaha Avenue Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	**58**	184	0	0	**242**	23	42	44	0	109	104	143	8	0	255	1	9	74	0	84	690
07:15 AM	47	169	1	0	217	**35**	41	39	0	115	126	127	15	0	268	2	17	60	0	79	679
07:30 AM	28	**206**	1	0	235	32	60	68	0	160	134	163	**18**	0	315	4	**31**	**90**	0	**125**	**835**
07:45 AM	20	128	**2**	0	150	21	**70**	**77**	0	**168**	**145**	**174**	13	0	**332**	**17**	26	81	0	124	774
Total Volume	153	687	4	0	844	111	213	228	0	552	509	607	54	0	1170	24	83	305	0	412	2978
% App. Total	18.1	81.4	0.5	0		20.1	38.6	41.3	0		43.5	51.9	4.6	0		5.8	20.1	74	0		
PHF	.659	.834	.500	.000	.872	.793	.761	.740	.000	.821	.878	.872	.750	.000	.881	.353	.669	.847	.000	.824	.892

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3891, D4-3888
Counted:ZW, TO
Weather:Clear

File Name : KamBar MIDDAY
Site Code : 00000005
Start Date : 5/8/2008
Page No : 1

Groups Printed- Unshifted

	Ft. Barrette Road Southbound					Kamaaha Avenue Westbound					Ft. Barrette Road Northbound					Kamaaha Avenue Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	23	94	0	0	117	11	12	26	0	49	49	119	4	0	172	6	14	55	0	75	413
11:15 AM	29	117	1	0	147	6	15	34	1	56	65	128	8	0	201	1	15	43	7	66	470
11:30 AM	25	107	1	0	133	3	20	26	0	49	44	129	7	0	180	0	26	45	6	77	439
11:45 AM	30	130	4	0	164	5	18	34	0	57	72	129	6	0	207	1	13	57	0	71	499
Total	107	448	6	0	561	25	65	120	1	211	230	505	25	0	760	8	68	200	13	289	1821
12:00 PM	32	102	2	0	136	6	14	31	3	54	66	136	4	0	206	5	31	69	0	105	501
12:15 PM	25	133	2	0	160	7	18	19	0	44	50	96	8	0	154	4	17	73	0	94	452
12:30 PM	17	114	0	2	133	9	16	30	1	56	44	117	9	0	170	0	15	64	0	79	438
12:45 PM	15	120	3	0	138	5	28	21	0	54	64	98	11	0	173	1	22	61	0	84	449
Total	89	469	7	2	567	27	76	101	4	208	224	447	32	0	703	10	85	267	0	362	1840
Grand Total	196	917	13	2	1128	52	141	221	5	419	454	952	57	0	1463	18	153	467	13	651	3661
Apprch %	17.4	81.3	1.2	0.2		12.4	33.7	52.7	1.2		31	65.1	3.9	0		2.8	23.5	71.7	2		
Total %	5.4	25	0.4	0.1	30.8	1.4	3.9	6	0.1	11.4	12.4	26	1.6	0	40	0.5	4.2	12.8	0.4	17.8	

	Ft. Barrette Road Southbound					Kamaaha Avenue Westbound					Ft. Barrette Road Northbound					Kamaaha Avenue Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15 AM																					
11:15 AM	29	117	1	0	147	**6**	15	**34**	1	56	65	128	**8**	0	201	1	15	43	**7**	66	470
11:30 AM	25	107	1	0	133	3	**20**	26	0	49	44	129	7	0	180	0	26	45	6	77	439
11:45 AM	30	**130**	**4**	0	**164**	5	18	34	0	**57**	**72**	129	6	0	**207**	1	13	57	0	71	499
12:00 PM	**32**	102	2	0	136	6	14	31	**3**	54	66	**136**	4	0	206	**5**	**31**	**69**	0	**105**	**501**
Total Volume	116	456	8	0	580	20	67	125	4	216	247	522	25	0	794	7	85	214	13	319	1909
% App. Total	20	78.6	1.4	0		9.3	31	57.9	1.9		31.1	65.7	3.1	0		2.2	26.6	67.1	4.1		
PHF	.906	.877	.500	.000	.884	.833	.838	.919	.333	.947	.858	.960	.781	.000	.959	.350	.685	.775	.464	.760	.953

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

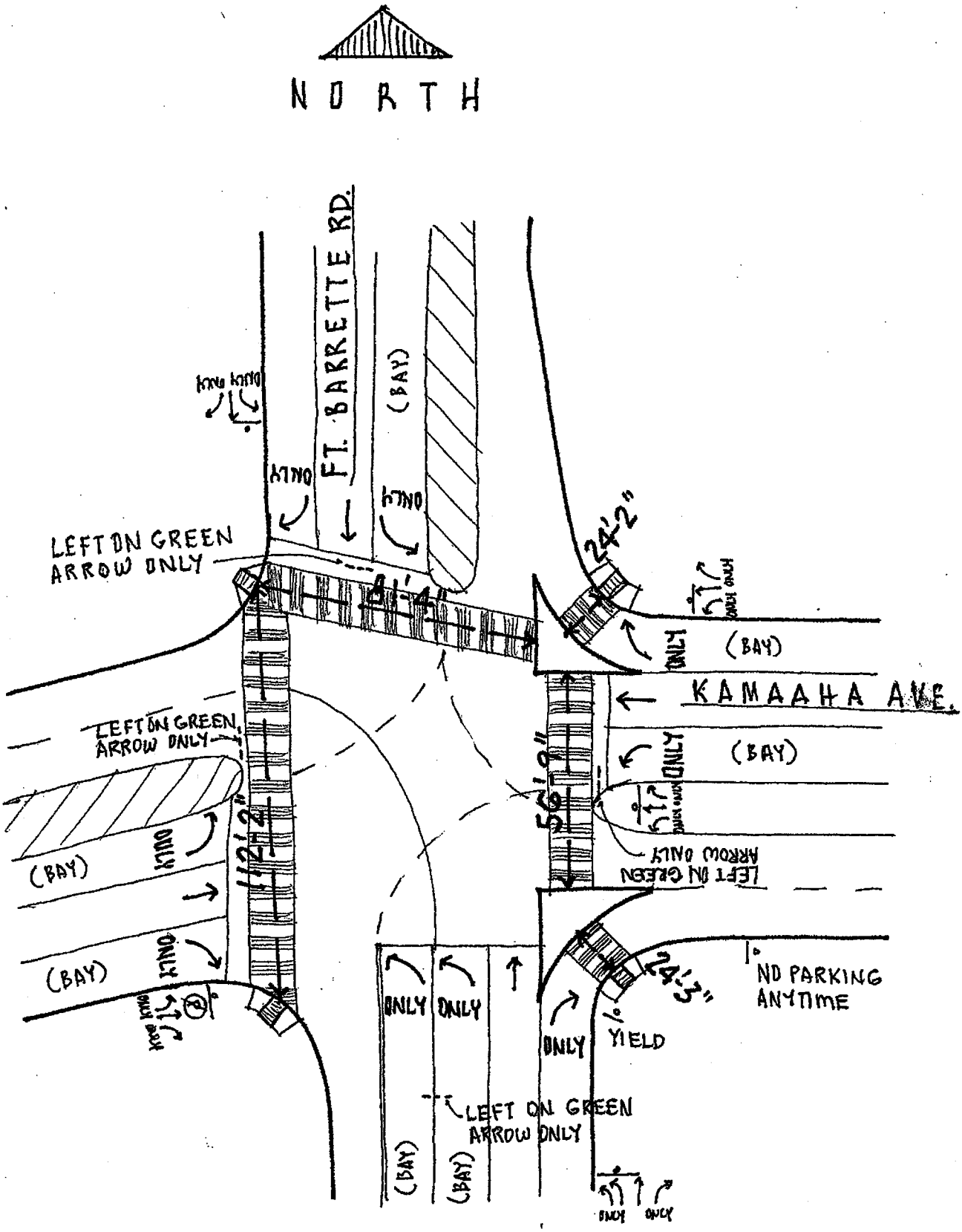
Counter:D4-3890, D1-1526
Counted:EK, BE
Weather:Clear

File Name : KamBar PM
Site Code : 00000005
Start Date : 5/8/2008
Page No : 1

Groups Printed- Unshifted

	Ft. Barrette Road Southbound					Kamaaha Avenue Westbound					Ft. Barrette Road Northbound					Kamaaha Avenue Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	74	121	0	0	195	9	36	38	0	83	57	154	18	0	229	4	66	77	1	148	655
04:15 PM	57	103	0	0	160	15	24	41	0	80	47	168	21	0	236	11	72	84	0	167	643
04:30 PM	58	101	0	0	159	7	28	47	1	83	50	134	12	0	196	8	50	97	0	155	593
04:45 PM	68	94	0	0	162	9	29	48	0	86	56	118	19	0	193	4	48	61	0	113	554
Total	257	419	0	0	676	40	117	174	1	332	210	574	70	0	854	27	236	319	1	583	2445
05:00 PM	50	95	0	0	145	7	21	20	0	48	46	127	19	0	192	3	52	77	0	132	517
05:15 PM	45	108	1	0	154	10	13	32	0	55	43	105	10	1	159	15	46	101	0	162	530
05:30 PM	53	63	0	0	116	13	21	38	0	72	70	125	12	0	207	6	20	53	0	79	474
05:45 PM	49	113	1	0	163	13	18	53	1	85	40	106	8	1	155	1	38	46	1	86	489
Total	197	379	2	0	578	43	73	143	1	260	199	463	49	2	713	25	156	277	1	459	2010
Grand Total	454	798	2	0	1254	83	190	317	2	592	409	1037	119	2	1567	52	392	596	2	1042	4455
Apprch %	36.2	63.6	0.2	0		14	32.1	53.5	0.3		26.1	66.2	7.6	0.1		5	37.6	57.2	0.2		
Total %	10.2	17.9	0	0	28.1	1.9	4.3	7.1	0	13.3	9.2	23.3	2.7	0	35.2	1.2	8.8	13.4	0	23.4	

	Ft. Barrette Road Southbound					Kamaaha Avenue Westbound					Ft. Barrette Road Northbound					Kamaaha Avenue Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	**74**	**121**	0	0	**195**	9	**36**	38	0	83	**57**	154	18	0	229	4	66	77	**1**	148	**655**
04:15 PM	57	103	0	0	160	**15**	24	41	0	80	47	**168**	**21**	0	**236**	**11**	**72**	84	0	**167**	643
04:30 PM	58	101	0	0	159	7	28	47	**1**	83	50	134	12	0	196	8	50	**97**	0	155	593
04:45 PM	68	94	0	0	162	9	29	**48**	0	**86**	56	118	19	0	193	4	48	61	0	113	554
Total Volume	257	419	0	0	676	40	117	174	1	332	210	574	70	0	854	27	236	319	1	583	2445
% App. Total	38	62	0	0		12	35.2	52.4	0.3		24.6	67.2	8.2	0		4.6	40.5	54.7	0.2		
PHF	.868	.866	.000	.000	.867	.667	.813	.906	.250	.965	.921	.854	.833	.000	.905	.614	.819	.822	.250	.873	.933


NORTH
FT. BARRETTE RD.
KAMAAHA AVE.
(BAY)
ONLY
LEFT ON GREEN ARROW ONLY
24'2"
24'3"
56'9"
112'2"
81'4"
NO PARKING ANYTIME
YIELD

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-0528, D4-3891
Counted:TO, RY
Weather:Clear

File Name : KapBar AM
Site Code : 00000001
Start Date : 5/8/2008
Page No : 1

Groups Printed- Unshifted

	Ft. Barrette Road Southbound					Kapolei Parkway Westbound					Ft. Barrette Road Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
06:30 AM	33	176	0	0	209	11	0	9	0	20	0	232	6	0	238	0	467
06:45 AM	49	163	0	0	212	7	0	8	0	15	0	237	19	0	256	0	483
Total	82	339	0	0	421	18	0	17	0	35	0	469	25	0	494	0	950
07:00 AM	58	219	0	0	277	17	0	34	0	51	0	218	15	0	233	0	561
07:15 AM	49	230	0	0	279	27	0	48	0	75	0	221	35	0	256	0	610
07:30 AM	67	251	0	0	318	14	0	64	0	78	0	269	39	0	308	0	704
07:45 AM	73	206	0	0	279	15	0	75	0	90	0	261	36	0	297	0	666
Total	247	906	0	0	1153	73	0	221	0	294	0	969	125	0	1094	0	2541
08:00 AM	29	139	0	0	168	12	0	37	0	49	0	237	27	1	265	0	482
08:15 AM	21	126	0	0	147	6	0	18	0	24	0	188	9	0	197	0	368
Grand Total	379	1510	0	0	1889	109	0	293	0	402	0	1863	186	1	2050	0	4341
Apprch %	20.1	79.9	0	0		27.1	0	72.9	0		0	90.9	9.1	0			
Total %	8.7	34.8	0	0	43.5	2.5	0	6.7	0	9.3	0	42.9	4.3	0	47.2	0	

	Ft. Barrette Road Southbound					Kapolei Parkway Westbound					Ft. Barrette Road Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	58	219	0	0	277	17	0	34	0	51	0	218	15	0	233	0	561
07:15 AM	49	230	0	0	279	**27**	0	48	0	75	0	221	35	0	256	0	610
07:30 AM	67	**251**	0	0	**318**	14	0	64	0	78	0	**269**	**39**	0	**308**	0	**704**
07:45 AM	**73**	206	0	0	279	15	0	**75**	0	**90**	0	261	36	0	297	0	666
Total Volume	247	906	0	0	1153	73	0	221	0	294	0	969	125	0	1094	0	2541
% App. Total	21.4	78.6	0	0		24.8	0	75.2	0		0	88.6	11.4	0			
PHF	.846	.902	.000	.000	.906	.676	.000	.737	.000	.817	.000	.901	.801	.000	.888	.000	.902

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-5676
Counted:JM, JY
Weather:Clear

File Name : KapBar MIDDAY
Site Code : 00000001
Start Date : 5/8/2008
Page No : 1

Groups Printed- Unshifted

	Ft. Barrette Road Southbound					Kapolei Parkway Westbound					Ft. Barrette Road Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	19	151	0	0	170	13	0	24	1	38	0	159	15	1	175	0	383
11:15 AM	15	141	0	0	156	8	0	24	0	32	0	174	7	0	181	0	369
11:30 AM	23	147	0	0	170	10	0	22	0	32	0	169	11	0	180	0	382
11:45 AM	26	161	0	0	187	10	0	31	0	41	0	172	11	0	183	0	411
Total	83	600	0	0	683	41	0	101	1	143	0	674	44	1	719	0	1545
12:00 PM	29	143	0	1	173	10	0	24	0	34	0	169	10	0	179	0	386
12:15 PM	29	175	0	0	204	14	0	28	1	43	0	141	11	0	152	0	399
12:30 PM	28	153	0	0	181	10	0	30	0	40	0	139	19	0	158	0	379
12:45 PM	30	143	1	1	175	8	0	36	0	44	0	143	6	0	149	0	368
Total	116	614	1	2	733	42	0	118	1	161	0	592	46	0	638	0	1532
Grand Total	199	1214	1	2	1416	83	0	219	2	304	0	1266	90	1	1357	0	3077
Apprch %	14.1	85.7	0.1	0.1		27.3	0	72	0.7		0	93.3	6.6	0.1			
Total %	6.5	39.5	0	0.1	46	2.7	0	7.1	0.1	9.9	0	41.1	2.9	0	44.1	0	

	Ft. Barrette Road Southbound					Kapolei Parkway Westbound					Ft. Barrette Road Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:30 AM																	
11:30 AM	23	147	0	0	170	10	0	22	0	32	0	169	**11**	0	180	0	382
11:45 AM	26	161	0	0	187	10	0	**31**	0	41	0	**172**	11	0	**183**	0	**411**
12:00 PM	**29**	143	0	1	173	10	0	24	0	34	0	169	10	0	179	0	386
12:15 PM	29	**175**	0	0	**204**	**14**	0	28	**1**	**43**	0	141	11	0	152	0	399
Total Volume	107	626	0	1	734	44	0	105	1	150	0	651	43	0	694	0	1578
% App. Total	14.6	85.3	0	0.1		29.3	0	70	0.7		0	93.8	6.2	0			
PHF	.922	.894	.000	.250	.900	.786	.000	.847	.250	.872	.000	.946	.977	.000	.948	.000	.960

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

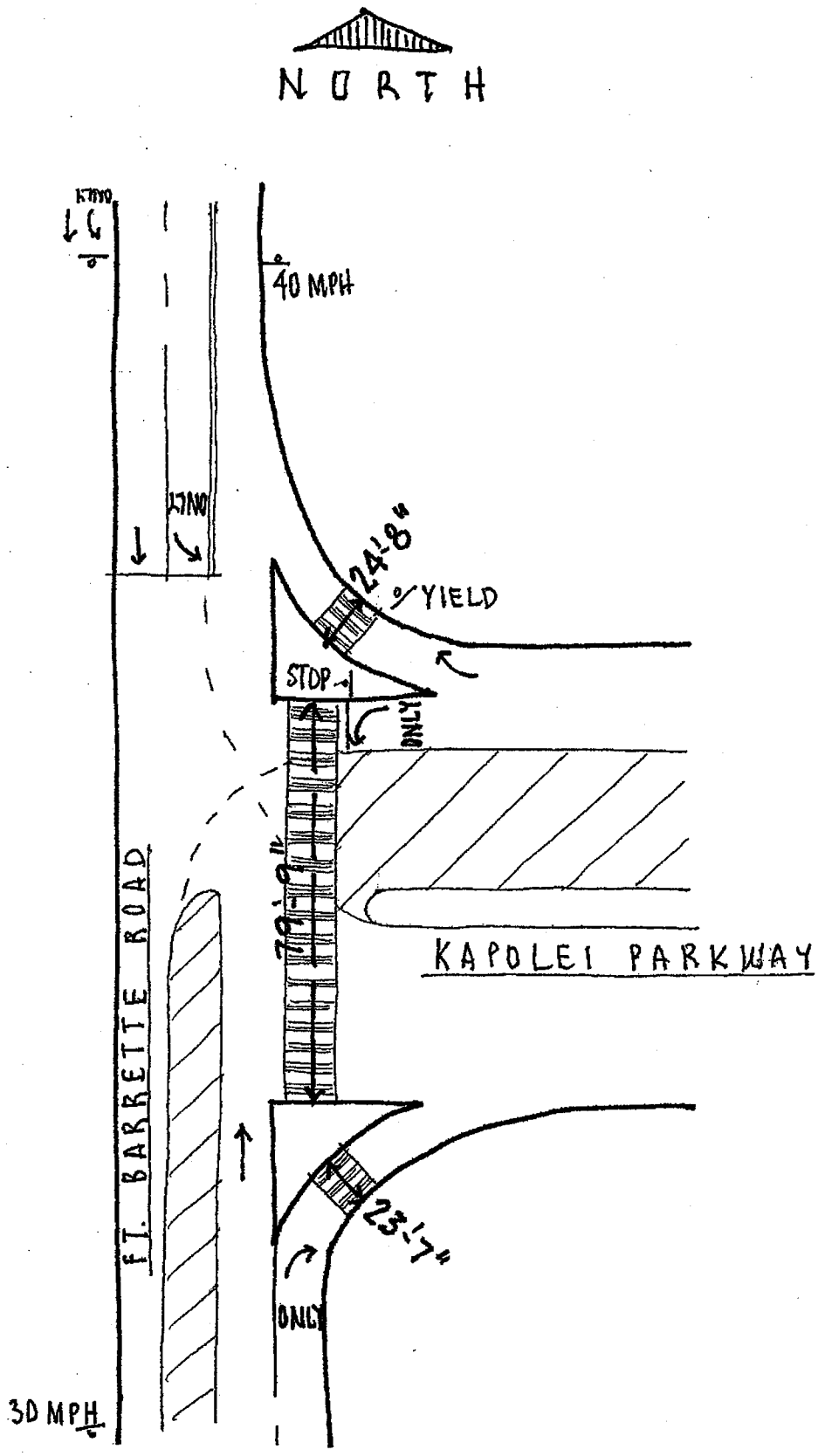
Counter:D1-0528, D4-3891
Counted:TO, RY
Weather:Clear

File Name : KapBar PM
Site Code : 00000001
Start Date : 5/8/2008
Page No : 1

Groups Printed- Unshifted

	Ft. Barrette Road Southbound					Kapolei Parkway Westbound					Ft. Barrette Road Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	16	213	0	0	229	30	0	36	0	66	0	190	16	0	206	0	501
04:15 PM	6	189	0	0	195	35	0	24	0	59	0	189	6	0	195	0	449
04:30 PM	16	229	0	0	245	12	0	27	0	39	0	173	14	0	187	0	471
04:45 PM	11	181	0	0	192	27	0	24	0	51	0	170	19	0	189	0	432
Total	49	812	0	0	861	104	0	111	0	215	0	722	55	0	777	0	1853
05:00 PM	11	207	0	0	218	23	0	12	0	35	0	175	15	1	191	0	444
05:15 PM	9	224	0	0	233	17	0	13	0	30	0	142	9	0	151	0	414
05:30 PM	12	207	0	0	219	29	0	25	0	54	0	172	14	1	187	0	460
05:45 PM	14	210	0	0	224	20	0	18	0	38	0	149	19	0	168	0	430
Total	46	848	0	0	894	89	0	68	0	157	0	638	57	2	697	0	1748
Grand Total	95	1660	0	0	1755	193	0	179	0	372	0	1360	112	2	1474	0	3601
Apprch %	5.4	94.6	0	0		51.9	0	48.1	0		0	92.3	7.6	0.1			
Total %	2.6	46.1	0	0	48.7	5.4	0	5	0	10.3	0	37.8	3.1	0.1	40.9	0	

	Ft. Barrette Road Southbound					Kapolei Parkway Westbound					Ft. Barrette Road Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	**16**	213	0	0	229	30	0	**36**	0	**66**	0	**190**	16	0	**206**	0	**501**
04:15 PM	6	189	0	0	195	**35**	0	24	0	59	0	189	6	0	195	0	449
04:30 PM	16	**229**	0	0	**245**	12	0	27	0	39	0	173	14	0	187	0	471
04:45 PM	11	181	0	0	192	27	0	24	0	51	0	170	**19**	0	189	0	432
Total Volume	49	812	0	0	861	104	0	111	0	215	0	722	55	0	777	0	1853
% App. Total	5.7	94.3	0	0		48.4	0	51.6	0		0	92.9	7.1	0			
PHF	.766	.886	.000	.000	.879	.743	.000	.771	.000	.814	.000	.950	.724	.000	.943	.000	.925


NORTH
40 MPH
24'-8"
YIELD
STOP
ONLY
79'-9"
KAPOLEI PARKWAY
FT. BARRETTE ROAD
23'-7"
ONLY
30 MPH

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-3890
Counted:ZW, RY
Weather:Clear

File Name : KapMal AM
Site Code : 00000002
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Maluohai Street Southbound					Kapolei Parkway Westbound					Kapolei High School Northbound					Kapolei Parkway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	4	6	0	10	2	20	1	6	29	2	4	1	0	7	3	19	6	1	29	75
06:45 AM	2	10	6	0	18	1	33	3	1	38	4	3	0	0	7	13	26	22	7	68	131
Total	2	14	12	0	28	3	53	4	7	67	6	7	1	0	14	16	45	28	8	97	206
07:00 AM	1	16	5	8	30	8	44	8	33	93	27	6	0	12	45	6	43	35	20	104	272
07:15 AM	6	68	16	6	96	26	39	8	3	76	14	31	1	3	49	5	38	35	35	113	334
07:30 AM	9	100	19	4	132	38	47	12	70	167	30	45	3	9	87	9	48	37	65	159	545
07:45 AM	9	82	12	3	106	42	43	6	18	109	29	66	4	0	99	9	41	49	43	142	456
Total	25	266	52	21	364	114	173	34	124	445	100	148	8	24	280	29	170	156	163	518	1607
08:00 AM	1	17	4	0	22	7	22	2	9	40	15	16	4	0	35	12	16	38	8	74	171
08:15 AM	0	12	7	0	19	1	19	0	1	21	6	2	2	0	10	2	22	15	7	46	96
Grand Total	28	309	75	21	433	125	267	40	141	573	127	173	15	24	339	59	253	237	186	735	2080
Apprch %	6.5	71.4	17.3	4.8		21.8	46.6	7	24.6		37.5	51	4.4	7.1		8	34.4	32.2	25.3		
Total %	1.3	14.9	3.6	1	20.8	6	12.8	1.9	6.8	27.5	6.1	8.3	0.7	1.2	16.3	2.8	12.2	11.4	8.9	35.3	

	Maluohai Street Southbound					Kapolei Parkway Westbound					Kapolei High School Northbound					Kapolei Parkway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	1	16	5	**8**	30	8	44	8	33	93	27	6	0	**12**	45	6	43	35	20	104	272
07:15 AM	6	68	16	6	96	26	39	8	3	76	14	31	1	3	49	5	38	35	35	113	334
07:30 AM	**9**	**100**	**19**	4	**132**	38	**47**	**12**	**70**	**167**	**30**	45	3	9	87	**9**	**48**	37	**65**	**159**	**545**
07:45 AM	9	82	12	3	106	**42**	43	6	18	109	29	**66**	**4**	0	**99**	9	41	**49**	43	142	456
Total Volume	25	266	52	21	364	114	173	34	124	445	100	148	8	24	280	29	170	156	163	518	1607
% App. Total	6.9	73.1	14.3	5.8		25.6	38.9	7.6	27.9		35.7	52.9	2.9	8.6		5.6	32.8	30.1	31.5		
PHF	.694	.665	.684	.656	.689	.679	.920	.708	.443	.666	.833	.561	.500	.500	.707	.806	.885	.796	.627	.814	.737

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-3890
Counted:ZW, RB
Weather:Clear

File Name : KapMal MIDDAY
Site Code : 00000002
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Maluohai Street Southbound					Kapolei Parkway Westbound					Kapolei High School Northbound					Kapolei Parkway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	3	4	1	0	8	0	21	3	4	28	5	3	5	0	13	5	24	4	0	33	82
11:15 AM	1	3	0	0	4	0	17	1	0	18	10	0	1	0	11	3	15	5	0	23	56
11:30 AM	0	4	4	0	8	0	17	2	1	20	5	5	1	0	11	5	15	9	1	30	69
11:45 AM	1	3	3	0	7	1	8	3	9	21	13	8	2	0	23	4	24	4	1	33	84
Total	5	14	8	0	27	1	63	9	14	87	33	16	9	0	58	17	78	22	2	119	291
12:00 PM	0	6	0	0	6	1	22	0	4	27	7	3	2	0	12	5	22	7	3	37	82
12:15 PM	3	7	7	0	17	0	18	1	1	20	10	4	1	0	15	2	27	12	0	41	93
12:30 PM	0	2	2	0	4	1	17	1	3	22	10	5	1	0	16	1	20	6	1	28	70
12:45 PM	1	0	0	0	1	0	16	4	0	20	3	1	0	0	4	5	24	0	0	29	54
Total	4	15	9	0	28	2	73	6	8	89	30	13	4	0	47	13	93	25	4	135	299
Grand Total	9	29	17	0	55	3	136	15	22	176	63	29	13	0	105	30	171	47	6	254	590
Apprch %	16.4	52.7	30.9	0		1.7	77.3	8.5	12.5		60	27.6	12.4	0		11.8	67.3	18.5	2.4		
Total %	1.5	4.9	2.9	0	9.3	0.5	23.1	2.5	3.7	29.8	10.7	4.9	2.2	0	17.8	5.1	29	8	1	43.1	

	Maluohai Street Southbound					Kapolei Parkway Westbound					Kapolei High School Northbound					Kapolei Parkway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	1	3	3	0	7	**1**	8	**3**	**9**	21	**13**	**8**	**2**	0	**23**	4	24	4	**1**	33	84
12:00 PM	0	6	0	0	6	1	**22**	0	4	**27**	7	3	2	0	12	**5**	22	7	**3**	37	82
12:15 PM	**3**	**7**	**7**	0	**17**	0	18	1	1	20	10	4	**1**	0	15	2	**27**	**12**	0	**41**	**93**
12:30 PM	0	2	2	0	4	1	17	1	3	22	10	5	1	0	16	1	20	6	1	28	70
Total Volume	4	18	12	0	34	3	65	5	17	90	40	20	6	0	66	12	93	29	5	139	329
% App. Total	11.8	52.9	35.3	0		3.3	72.2	5.6	18.9		60.6	30.3	9.1	0		8.6	66.9	20.9	3.6		
PHF	.333	.643	.429	.000	.500	.750	.739	.417	.472	.833	.769	.625	.750	.000	.717	.600	.861	.604	.417	.848	.884

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

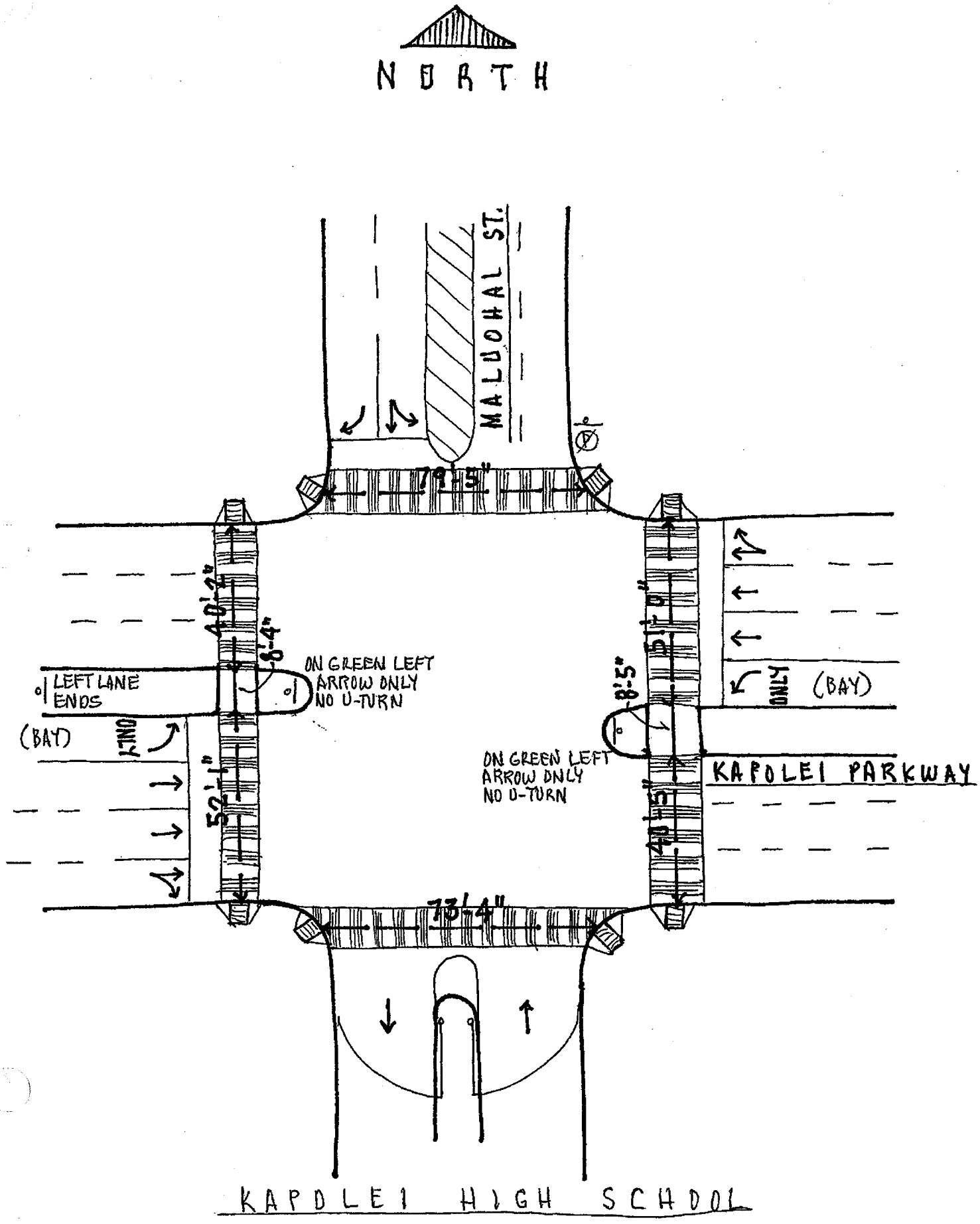
Counter:T-1839, D4-3890
Counted:ZW, RB
Weather:Clear

File Name : KapMal PM
Site Code : 00000002
Start Date : 4/30/2008
Page No : 1

Groups Printed- Unshifted

	Maluohai Street Southbound					Kapolei Parkway Westbound					Kapolei High School Northbound					Kapolei Parkway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	14	39	56	2	111	3	29	1	3	36	18	13	4	0	35	4	4	2	5	15	197
04:15 PM	12	22	41	3	78	3	28	6	3	40	11	12	3	0	26	4	12	2	7	25	169
04:30 PM	10	22	51	1	84	11	30	2	8	51	18	17	8	0	43	2	10	2	4	18	196
04:45 PM	9	21	40	5	75	4	18	4	0	26	4	12	4	0	20	2	10	2	0	14	135
Total	45	104	188	11	348	21	105	13	14	153	51	54	19	0	124	12	36	8	16	72	697
05:00 PM	12	12	32	4	60	1	23	4	0	28	10	7	0	0	17	6	20	1	4	31	136
05:15 PM	12	17	33	3	65	1	17	1	0	19	10	5	2	0	17	1	6	1	6	14	115
05:30 PM	10	6	17	6	39	3	25	4	0	32	11	5	0	0	16	4	16	2	0	22	109
05:45 PM	10	10	14	2	36	4	22	2	0	28	12	10	3	0	25	7	8	0	1	16	105
Total	44	45	96	15	200	9	87	11	0	107	43	27	5	0	75	18	50	4	11	83	465
Grand Total	89	149	284	26	548	30	192	24	14	260	94	81	24	0	199	30	86	12	27	155	1162
Apprch %	16.2	27.2	51.8	4.7		11.5	73.8	9.2	5.4		47.2	40.7	12.1	0		19.4	55.5	7.7	17.4		
Total %	7.7	12.8	24.4	2.2	47.2	2.6	16.5	2.1	1.2	22.4	8.1	7	2.1	0	17.1	2.6	7.4	1	2.3	13.3	

	Maluohai Street Southbound					Kapolei Parkway Westbound					Kapolei High School Northbound					Kapolei Parkway Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	**14**	**39**	**56**	2	**111**	3	29	**1**	3	36	**18**	13	4	0	35	**4**	4	**2**	5	15	**197**
04:15 PM	12	22	41	3	78	3	28	**6**	3	40	11	12	3	0	26	4	**12**	2	**7**	**25**	169
04:30 PM	10	22	51	1	84	**11**	**30**	2	**8**	**51**	18	**17**	**8**	0	**43**	2	**10**	2	4	18	196
04:45 PM	9	21	40	**5**	75	4	18	4	0	26	4	12	4	0	20	2	10	2	0	14	135
Total Volume	45	104	188	11	348	21	105	13	14	153	51	54	19	0	124	12	36	8	16	72	697
% App. Total	12.9	29.9	54	3.2		13.7	68.6	8.5	9.2		41.1	43.5	15.3	0		16.7	50	11.1	22.2		
PHF	.804	.667	.839	.550	.784	.477	.875	.542	.438	.750	.708	.794	.594	.000	.721	.750	.750	1.000	.571	.720	.885


NORTH
MALUOHAI ST.
79'-5"
40'-2"
8'-4"
LEFT LANE ENDS
ON GREEN LEFT ARROW ONLY NO U-TURN
(BAY)
ONLY
52'-1"
51'-8"
8'-5"
ON GREEN LEFT ARROW ONLY NO U-TURN
ONLY
(BAY)
KAPOLEI PARKWAY
40'-5"
73'-4"
KAPOLEI HIGH SCHOOL

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D1-1526, D4-3890
Counted:Kawika, EK
Weather:Clear

File Name : Mak H-1 WB Off-Ramp AM
Site Code : 00000016
Start Date : 5/7/2008
Page No : 1

Groups Printed- Unshifted

	Off-Ramp From H-1 Freeway Southbound					Off-Ramp From H-1 Freeway Westbound					Makakilo Drive Northbound					Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	388	221	0	609	209	0	51	0	260	0	63	0	0	63	0	0	0	0	0	932
06:45 AM	0	390	191	0	581	236	0	61	0	297	0	59	0	0	59	0	0	0	0	0	937
Total	0	778	412	0	1190	445	0	112	0	557	0	122	0	0	122	0	0	0	0	0	1869
07:00 AM	0	513	233	0	746	207	0	48	0	255	0	75	0	0	75	0	0	0	0	0	1076
07:15 AM	0	511	224	0	735	193	0	54	0	247	0	124	0	0	124	0	0	0	0	0	1106
07:30 AM	0	476	189	0	665	232	0	57	0	289	0	117	0	0	117	0	0	0	0	0	1071
07:45 AM	0	344	46	0	390	224	0	85	1	310	0	142	0	0	142	0	0	0	0	0	842
Total	0	1844	692	0	2536	856	0	244	1	1101	0	458	0	0	458	0	0	0	0	0	4095
08:00 AM	0	288	95	0	383	212	0	54	0	266	0	98	0	0	98	0	0	0	0	0	747
08:15 AM	0	263	136	0	399	171	0	41	0	212	0	81	0	0	81	0	0	0	0	0	692
Grand Total	0	3173	1335	0	4508	1684	0	451	1	2136	0	759	0	0	759	0	0	0	0	0	7403
Apprch %	0	70.4	29.6	0		78.8	0	21.1	0		0	100	0	0		0	0	0	0		
Total %	0	42.9	18	0	60.9	22.7	0	6.1	0	28.9	0	10.3	0	0	10.3	0	0	0	0	0	

	Off-Ramp From H-1 Freeway Southbound					Off-Ramp From H-1 Freeway Westbound					Makakilo Drive Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 06:45 AM																	
06:45 AM	0	390	191	0	581	**236**	0	**61**	0	**297**	0	59	0	0	59	0	937
07:00 AM	0	**513**	**233**	0	**746**	207	0	48	0	255	0	75	0	0	75	0	1076
07:15 AM	0	511	224	0	735	193	0	54	0	247	0	**124**	0	0	**124**	0	**1106**
07:30 AM	0	476	189	0	665	232	0	57	0	289	0	117	0	0	117	0	1071
Total Volume	0	1890	837	0	2727	868	0	220	0	1088	0	375	0	0	375	0	4190
% App. Total	0	69.3	30.7	0		79.8	0	20.2	0		0	100	0	0			
PHF	.000	.921	.898	.000	.914	.919	.000	.902	.000	.916	.000	.756	.000	.000	.756	.000	.947

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-3889
Counted:ME, DY
Weather:Clear

File Name : Mak H-1 WB Off-Ramp MIDDAY
Site Code : 00000016
Start Date : 5/7/2008
Page No : 1

Groups Printed- Unshifted

	Makakilo Drive Southbound					H-1 WB Off-Ramp Westbound					Makakilo Drive Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	102	92	0	194	195	0	53	0	248	0	80	0	0	80	0	522
11:15 AM	0	86	76	0	162	193	0	73	0	266	0	111	0	0	111	0	539
11:30 AM	0	98	94	0	192	197	0	73	0	270	0	110	0	0	110	0	572
11:45 AM	0	92	94	0	186	208	0	84	0	292	0	125	0	0	125	0	603
Total	0	378	356	0	734	793	0	283	0	1076	0	426	0	0	426	0	2236
12:00 PM	0	101	78	0	179	199	0	98	0	297	0	102	0	0	102	0	578
12:15 PM	0	99	90	0	189	189	0	90	0	279	0	168	0	0	168	0	636
12:30 PM	0	146	69	0	215	230	0	94	0	324	0	134	0	0	134	0	673
12:45 PM	0	146	91	0	237	0	0	101	0	101	0	0	0	0	0	0	338
Total	0	492	328	0	820	618	0	383	0	1001	0	404	0	0	404	0	2225
Grand Total	0	870	684	0	1554	1411	0	666	0	2077	0	830	0	0	830	0	4461
Apprch %	0	56	44	0		67.9	0	32.1	0		0	100	0	0			
Total %	0	19.5	15.3	0	34.8	31.6	0	14.9	0	46.6	0	18.6	0	0	18.6	0	

	Makakilo Drive Southbound					H-1 WB Off-Ramp Westbound					Makakilo Drive Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:30 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:45 AM																	
11:45 AM	0	92	**94**	0	186	208	0	84	0	292	0	125	0	0	125	0	603
12:00 PM	0	101	78	0	179	199	0	**98**	0	297	0	102	0	0	102	0	578
12:15 PM	0	99	90	0	189	189	0	90	0	279	0	**168**	0	0	**168**	0	636
12:30 PM	0	**146**	69	0	**215**	**230**	0	94	0	**324**	0	134	0	0	134	0	**673**
Total Volume	0	438	331	0	769	826	0	366	0	1192	0	529	0	0	529	0	2490
% App. Total	0	57	43	0		69.3	0	30.7	0		0	100	0	0			
PHF	.000	.750	.880	.000	.894	.898	.000	.934	.000	.920	.000	.787	.000	.000	.787	.000	.925

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890, T-1839
Counted:Steve, ER
Weather:Clear

File Name : Mak H-1 WB Off-Ramp PM
Site Code : 00000016
Start Date : 5/7/2008
Page No : 1

Groups Printed- Unshifted

	Makakilo Drive Southbound					Off-Ramp From H-1 Fwy. Westbound					Makakilo Drive Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	0	141	75	0	216	289	0	199	2	490	0	245	0	0	245	0	951
04:15 PM	0	135	95	0	230	294	0	185	5	484	0	226	0	0	226	0	940
04:30 PM	0	129	89	0	218	251	0	208	4	463	0	201	0	0	201	0	882
04:45 PM	0	126	71	0	197	306	0	235	2	543	0	231	0	0	231	0	971
Total	0	531	330	0	861	1140	0	827	13	1980	0	903	0	0	903	0	3744
05:00 PM	0	128	92	0	220	287	0	219	0	506	0	193	0	0	193	0	919
05:15 PM	0	133	93	0	226	255	0	252	1	508	0	231	0	0	231	0	965
05:30 PM	0	153	67	0	220	290	0	243	0	533	0	195	0	0	195	0	948
05:45 PM	0	163	92	0	255	264	0	246	0	510	0	204	0	0	204	0	969
Total	0	577	344	0	921	1096	0	960	1	2057	0	823	0	0	823	0	3801
Grand Total	0	1108	674	0	1782	2236	0	1787	14	4037	0	1726	0	0	1726	0	7545
Apprch %	0	62.2	37.8	0		55.4	0	44.3	0.3		0	100	0	0			
Total %	0	14.7	8.9	0	23.6	29.6	0	23.7	0.2	53.5	0	22.9	0	0	22.9	0	

	Makakilo Drive Southbound					Off-Ramp From H-1 Fwy. Westbound					Makakilo Drive Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	0	126	71	0	197	**306**	0	235	**2**	**543**	0	**231**	0	0	**231**	0	**971**
05:00 PM	0	128	92	0	220	287	0	219	0	506	0	193	0	0	193	0	919
05:15 PM	0	133	**93**	0	**226**	255	0	**252**	**1**	508	0	231	0	0	231	0	965
05:30 PM	0	**153**	67	0	220	290	0	243	0	533	0	195	0	0	195	0	948
Total Volume	0	540	323	0	863	1138	0	949	3	2090	0	850	0	0	850	0	3803
% App. Total	0	62.6	37.4	0		54.4	0	45.4	0.1		0	100	0	0			
PHF	.000	.882	.868	.000	.955	.930	.000	.941	.375	.962	.000	.920	.000	.000	.920	.000	.979

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

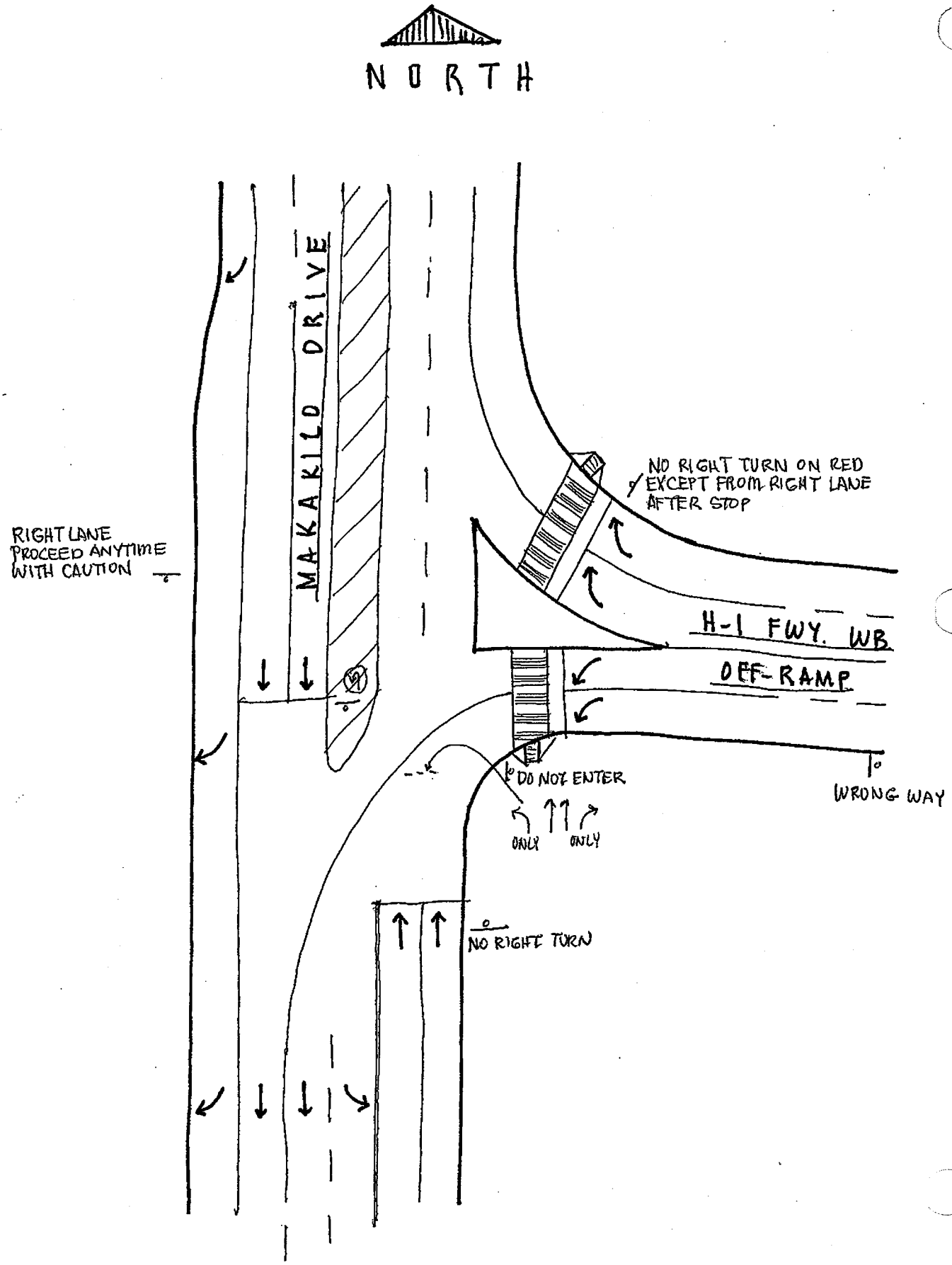
Counter:D4-5677, D4-3891
Counted:DY, JM
Weather:Clear

File Name : MakH-1 WB Off-Ramp MIDDAY
Site Code : 00000016
Start Date : 6/28/2008
Page No : 1

Groups Printed- Unshifted

	Makakilo Drive Southbound					H-1 WB Off-Ramp Westbound					Makakilo Drive Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
11:00 AM	0	162	110	0	272	190	0	84	0	274	0	134	0	0	134	0	680
11:15 AM	0	179	107	0	286	212	0	87	0	299	0	126	0	0	126	0	711
11:30 AM	0	144	111	0	255	230	0	92	0	322	0	138	0	0	138	0	715
11:45 AM	0	112	108	0	220	268	0	100	0	368	0	147	0	0	147	0	735
Total	0	597	436	0	1033	900	0	363	0	1263	0	545	0	0	545	0	2841
12:00 PM	0	147	98	0	245	218	0	107	0	325	0	159	0	0	159	0	729
12:15 PM	0	138	117	0	255	215	0	110	0	325	0	131	0	0	131	0	711
12:30 PM	0	135	99	0	234	259	0	114	0	373	0	140	0	0	140	0	747
12:45 PM	0	120	82	0	202	242	0	108	0	350	0	167	0	0	167	0	719
Total	0	540	396	0	936	934	0	439	0	1373	0	597	0	0	597	0	2906
Grand Total	0	1137	832	0	1969	1834	0	802	0	2636	0	1142	0	0	1142	0	5747
Apprch %	0	57.7	42.3	0		69.6	0	30.4	0		0	100	0	0			
Total %	0	19.8	14.5	0	34.3	31.9	0	14	0	45.9	0	19.9	0	0	19.9	0	

	Makakilo Drive Southbound					H-1 WB Off-Ramp Westbound					Makakilo Drive Northbound					Eastbound	
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:45 AM																	
11:45 AM	0	112	108	0	220	**268**	0	100	0	368	0	147	0	0	147	0	735
12:00 PM	0	**147**	98	0	245	218	0	107	0	325	0	**159**	0	0	**159**	0	729
12:15 PM	0	138	**117**	0	**255**	215	0	110	0	325	0	131	0	0	131	0	711
12:30 PM	0	135	99	0	234	259	0	**114**	0	**373**	0	140	0	0	140	0	**747**
Total Volume	0	532	422	0	954	960	0	431	0	1391	0	577	0	0	577	0	2922
% App. Total	0	55.8	44.2	0		69	0	31	0		0	100	0	0			
PHF	.000	.905	.902	.000	.935	.896	.000	.945	.000	.932	.000	.907	.000	.000	.907	.000	.978


NORTH
MAKAKILO DRIVE
NO RIGHT TURN ON RED
EXCEPT FROM RIGHT LANE
AFTER STOP
RIGHT LANE
PROCEED ANYTIME
WITH CAUTION
H-1 FWY. WB
OFF-RAMP
DO NOT ENTER
WRONG WAY
ONLY
ONLY
NO RIGHT TURN

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673
Counted:SD
Weather:Clear

File Name : MehLeh AM
Site Code : 00000001
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Lehiwa Drive Westbound					Meheula Parkway Northbound					Lehiwa Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	172	2	0	174	18	0	0	3	21	0	31	6	1	38	7	0	13	3	23	256
06:45 AM	0	159	5	1	165	33	0	0	0	33	2	27	13	1	43	14	0	17	3	34	275
Total	0	331	7	1	339	51	0	0	3	54	2	58	19	2	81	21	0	30	6	57	531
07:00 AM	2	209	8	0	219	80	0	1	1	82	2	37	32	1	72	23	6	24	2	55	428
07:15 AM	3	216	8	7	234	92	4	5	0	101	5	69	54	1	129	30	11	22	0	63	527
07:30 AM	2	227	17	3	249	81	12	6	2	101	3	90	91	4	188	56	16	27	3	102	640
07:45 AM	4	179	34	6	223	93	14	4	3	114	4	92	104	2	202	27	4	10	0	41	580
Total	11	831	67	16	925	346	30	16	6	398	14	288	281	8	591	136	37	83	5	261	2175
08:00 AM	2	122	7	6	137	100	10	3	3	116	9	82	89	9	189	6	10	10	2	28	470
08:15 AM	0	96	3	1	100	38	4	0	0	42	3	49	27	0	79	2	1	12	0	15	236
Grand Total	13	1380	84	24	1501	535	44	19	12	610	28	477	416	19	940	165	48	135	13	361	3412
Apprch %	0.9	91.9	5.6	1.6		87.7	7.2	3.1	2		3	50.7	44.3	2		45.7	13.3	37.4	3.6		
Total %	0.4	40.4	2.5	0.7	44	15.7	1.3	0.6	0.4	17.9	0.8	14	12.2	0.6	27.5	4.8	1.4	4	0.4	10.6	

	Meheula Parkway Southbound					Lehiwa Drive Westbound					Meheula Parkway Northbound					Lehiwa Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	3	216	8	7	234	92	4	5	0	101	5	69	54	1	129	30	11	22	0	63	527
07:30 AM	2	227	17	3	249	81	12	6	2	101	3	90	91	4	188	56	16	27	3	102	640
07:45 AM	4	179	34	6	223	93	14	4	3	114	4	92	104	2	202	27	4	10	0	41	580
08:00 AM	2	122	7	6	137	100	10	3	3	116	9	82	89	9	189	6	10	10	2	28	470
Total Volume	11	744	66	22	843	366	40	18	8	432	21	333	338	16	708	119	41	69	5	234	2217
% App. Total	1.3	88.3	7.8	2.6		84.7	9.3	4.2	1.9		3	47	47.7	2.3		50.9	17.5	29.5	2.1		
PHF	.688	.819	.485	.786	.846	.915	.714	.750	.667	.931	.583	.905	.813	.444	.876	.531	.641	.639	.417	.574	.866

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5673, D4-5677
Counted:SD, KF
Weather:Clear

File Name : MehLeh MIDDAY
Site Code : 00000001
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Lehiwa Drive Westbound					Meheula Parkway Northbound					Lehiwa Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	2	60	6	1	69	11	0	0	0	11	14	46	6	0	66	1	1	6	0	8	154
11:15 AM	0	66	2	0	68	13	0	1	0	14	2	47	13	0	62	1	0	3	0	4	148
11:30 AM	1	40	1	0	42	8	1	0	0	9	5	59	17	2	83	0	2	5	0	7	141
11:45 AM	0	42	3	0	45	17	2	1	0	20	7	42	19	0	68	0	3	3	0	6	139
Total	3	208	12	1	224	49	3	2	0	54	28	194	55	2	279	2	6	17	0	25	582
12:00 PM	2	43	3	0	48	8	1	1	0	10	8	57	9	0	74	1	2	4	1	8	140
12:15 PM	0	39	1	0	40	12	0	1	0	13	6	65	8	0	79	5	0	7	0	12	144
12:30 PM	1	55	2	0	58	10	1	1	0	12	5	68	8	0	81	0	0	4	0	4	155
12:45 PM	0	56	2	0	58	9	0	4	0	13	1	49	15	0	65	0	0	3	0	3	139
Total	3	193	8	0	204	39	2	7	0	48	20	239	40	0	299	6	2	18	1	27	578
Grand Total	6	401	20	1	428	88	5	9	0	102	48	433	95	2	578	8	8	35	1	52	1160
Apprch %	1.4	93.7	4.7	0.2		86.3	4.9	8.8	0		8.3	74.9	16.4	0.3		15.4	15.4	67.3	1.9		
Total %	0.5	34.6	1.7	0.1	36.9	7.6	0.4	0.8	0	8.8	4.1	37.3	8.2	0.2	49.8	0.7	0.7	3	0.1	4.5	

	Meheula Parkway Southbound					Lehiwa Drive Westbound					Meheula Parkway Northbound					Lehiwa Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:00 AM																					
11:00 AM	**2**	60	**6**	1	**69**	11	0	0	0	11	**14**	46	6	0	66	**1**	1	**6**	0	**8**	**154**
11:15 AM	0	**66**	2	0	68	13	0	**1**	0	14	2	47	13	0	62	1	0	3	0	4	148
11:30 AM	1	40	1	0	42	8	1	0	0	9	5	**59**	17	**2**	**83**	0	2	5	0	7	141
11:45 AM	0	42	3	0	45	**17**	**2**	1	0	**20**	7	42	**19**	0	68	0	**3**	3	0	6	139
Total Volume	3	208	12	1	224	49	3	2	0	54	28	194	55	2	279	2	6	17	0	25	582
% App. Total	1.3	92.9	5.4	0.4		90.7	5.6	3.7	0		10	69.5	19.7	0.7		8	24	68	0		
PHF	.375	.788	.500	.250	.812	.721	.375	.500	.000	.675	.500	.822	.724	.250	.840	.500	.500	.708	.000	.781	.945

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

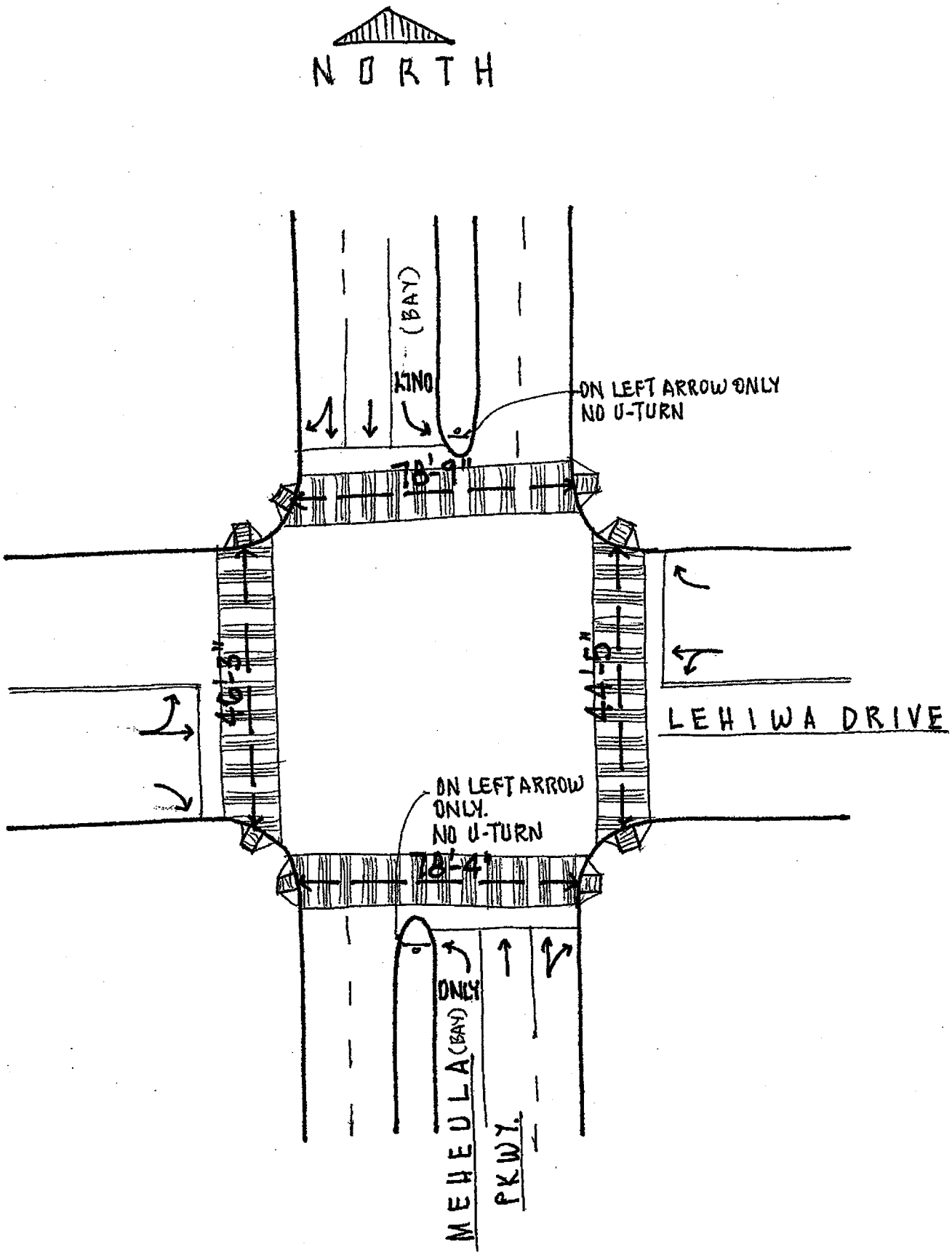
Counter:D4-5673, D4-5677
Counted:TO, KF
Weather:Clear

File Name : MehLeh PM
Site Code : 00000001
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Lehiwa Drive Westbound					Meheula Parkway Northbound					Lehiwa Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	6	99	11	0	116	57	9	3	0	69	16	140	54	0	210	3	6	9	2	20	415
04:15 PM	4	99	8	0	111	53	3	3	1	60	19	151	63	3	236	4	4	9	2	19	426
04:30 PM	4	111	10	1	126	53	4	10	0	67	19	160	50	4	233	6	8	8	0	22	448
04:45 PM	3	94	8	2	107	26	7	5	0	38	13	167	45	3	228	5	1	7	3	16	389
Total	17	403	37	3	460	189	23	21	1	234	67	618	212	10	907	18	19	33	7	77	1678
05:00 PM	4	75	5	2	86	26	1	3	0	30	17	171	35	0	223	7	3	12	1	23	362
05:15 PM	1	83	13	2	99	36	10	2	0	48	19	163	42	5	229	7	4	4	2	17	393
05:30 PM	3	79	8	7	97	26	2	3	1	32	20	165	52	3	240	3	3	6	7	19	388
05:45 PM	0	84	1	3	88	26	5	1	0	32	16	122	34	4	176	2	5	9	1	17	313
Total	8	321	27	14	370	114	18	9	1	142	72	621	163	12	868	19	15	31	11	76	1456
Grand Total	25	724	64	17	830	303	41	30	2	376	139	1239	375	22	1775	37	34	64	18	153	3134
Apprch %	3	87.2	7.7	2		80.6	10.9	8	0.5		7.8	69.8	21.1	1.2		24.2	22.2	41.8	11.8		
Total %	0.8	23.1	2	0.5	26.5	9.7	1.3	1	0.1	12	4.4	39.5	12	0.7	56.6	1.2	1.1	2	0.6	4.9	

	Meheula Parkway Southbound					Lehiwa Drive Westbound					Meheula Parkway Northbound					Lehiwa Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	**6**	99	**11**	0	116	**57**	**9**	3	0	**69**	16	140	54	0	210	3	6	**9**	2	20	415
04:15 PM	4	99	8	0	111	53	3	3	**1**	60	**19**	151	**63**	3	**236**	4	4	9	2	19	426
04:30 PM	4	**111**	10	1	**126**	53	4	**10**	0	67	19	160	50	**4**	233	**6**	**8**	8	0	**22**	**448**
04:45 PM	3	94	8	**2**	107	26	7	5	0	38	13	**167**	45	3	228	5	1	7	**3**	16	389
Total Volume	17	403	37	3	460	189	23	21	1	234	67	618	212	10	907	18	19	33	7	77	1678
% App. Total	3.7	87.6	8	0.7		80.8	9.8	9	0.4		7.4	68.1	23.4	1.1		23.4	24.7	42.9	9.1		
PHF	.708	.908	.841	.375	.913	.829	.639	.525	.250	.848	.882	.925	.841	.625	.961	.750	.594	.917	.583	.875	.936


NORTH
(BAY)
KING
ON LEFT ARROW ONLY
NO U-TURN
70'-9"
40'-3"
44'-6"
LEHIWA DRIVE
ON LEFT ARROW
ONLY.
NO U-TURN
70'-4"
ONLY
(BAY)
MEHEULA
PKWY.

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5674
Counted:ME, JM
Weather:Clear

File Name : MehKaa AM
Site Code : 00000002
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Kaapeha Street Westbound					Meheula Parkway Northbound					Kaapeha Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	1	191	1	3	196	7	1	1	0	9	4	41	0	0	45	0	0	5	1	6	256
06:45 AM	1	216	0	1	218	9	2	3	2	16	0	42	0	0	42	1	0	13	1	15	291
Total	2	407	1	4	414	16	3	4	2	25	4	83	0	0	87	1	0	18	2	21	547
07:00 AM	4	305	0	1	310	5	1	4	0	10	1	67	3	0	71	6	0	26	1	33	424
07:15 AM	1	333	1	5	340	9	3	6	3	21	5	122	1	0	128	4	0	24	0	28	517
07:30 AM	3	309	5	1	318	10	0	6	2	18	6	161	2	0	169	13	1	18	2	34	539
07:45 AM	3	258	5	0	266	7	0	5	3	15	5	194	6	0	205	3	0	12	1	16	502
Total	11	1205	11	7	1234	31	4	21	8	64	17	544	12	0	573	26	1	80	4	111	1982
08:00 AM	6	227	2	0	235	4	0	5	3	12	3	161	12	0	176	5	0	7	1	13	436
08:15 AM	0	143	0	1	144	1	0	1	3	5	6	80	3	2	91	1	0	7	1	9	249
Grand Total	19	1982	14	12	2027	52	7	31	16	106	30	868	27	2	927	33	1	112	8	154	3214
Apprch %	0.9	97.8	0.7	0.6		49.1	6.6	29.2	15.1		3.2	93.6	2.9	0.2		21.4	0.6	72.7	5.2		
Total %	0.6	61.7	0.4	0.4	63.1	1.6	0.2	1	0.5	3.3	0.9	27	0.8	0.1	28.8	1	0	3.5	0.2	4.8	

	Meheula Parkway Southbound					Kaapeha Street Westbound					Meheula Parkway Northbound					Kaapeha Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	1	**333**	1	**5**	**340**	9	**3**	**6**	**3**	**21**	5	122	1	0	128	4	0	**24**	0	28	517
07:30 AM	3	309	**5**	1	318	**10**	0	6	2	18	**6**	161	2	0	169	**13**	**1**	18	**2**	**34**	**539**
07:45 AM	3	258	5	0	266	7	0	5	3	15	5	**194**	6	0	**205**	3	0	12	1	16	502
08:00 AM	**6**	227	2	0	235	4	0	5	3	12	3	161	**12**	0	176	5	0	7	1	13	436
Total Volume	13	1127	13	6	1159	30	3	22	11	66	19	638	21	0	678	25	1	61	4	91	1994
% App. Total	1.1	97.2	1.1	0.5		45.5	4.5	33.3	16.7		2.8	94.1	3.1	0		27.5	1.1	67	4.4		
PHF	.542	.846	.650	.300	.852	.750	.250	.917	.917	.786	.792	.822	.438	.000	.827	.481	.250	.635	.500	.669	.925

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3888, D4-5674
Counted:ME, JM
Weather:Clear

File Name : MehKaa MIDDAY
Site Code : 00000002
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Kaapeha Street Westbound					Meheula Parkway Northbound					Kaapeha Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	1	78	0	2	81	6	2	1	2	11	3	69	4	1	77	0	0	1	0	1	170
11:15 AM	3	75	2	5	85	1	0	0	1	2	4	66	7	2	79	1	0	1	3	5	171
11:30 AM	0	51	0	0	51	2	1	1	2	6	6	76	3	0	85	1	0	4	0	5	147
11:45 AM	0	62	0	0	62	2	1	1	0	4	6	76	1	0	83	1	0	5	0	6	155
Total	4	266	2	7	279	11	4	3	5	23	19	287	15	3	324	3	0	11	3	17	643
12:00 PM	1	55	0	0	56	0	0	2	1	3	8	82	4	1	95	0	0	5	0	5	159
12:15 PM	0	58	0	0	58	0	0	0	0	0	5	91	2	0	98	0	0	3	0	3	159
12:30 PM	1	68	0	0	69	3	0	3	0	6	4	85	4	0	93	0	0	5	0	5	173
12:45 PM	0	70	0	0	70	3	0	1	0	4	5	65	6	0	76	0	0	3	0	3	153
Total	2	251	0	0	253	6	0	6	1	13	22	323	16	1	362	0	0	16	0	16	644
Grand Total	6	517	2	7	532	17	4	9	6	36	41	610	31	4	686	3	0	27	3	33	1287
Apprch %	1.1	97.2	0.4	1.3		47.2	11.1	25	16.7		6	88.9	4.5	0.6		9.1	0	81.8	9.1		
Total %	0.5	40.2	0.2	0.5	41.3	1.3	0.3	0.7	0.5	2.8	3.2	47.4	2.4	0.3	53.3	0.2	0	2.1	0.2	2.6	

	Meheula Parkway Southbound					Kaapeha Street Westbound					Meheula Parkway Northbound					Kaapeha Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45 AM																					
11:45 AM	0	62	0	0	62	2	1	1	0	4	6	76	1	0	83	1	0	5	0	6	155
12:00 PM	1	55	0	0	56	0	0	2	1	3	8	82	4	1	95	0	0	5	0	5	159
12:15 PM	0	58	0	0	58	0	0	0	0	0	5	91	2	0	98	0	0	3	0	3	159
12:30 PM	1	68	0	0	69	3	0	3	0	6	4	85	4	0	93	0	0	5	0	5	173
Total Volume	2	243	0	0	245	5	1	6	1	13	23	334	11	1	369	1	0	18	0	19	646
% App. Total	0.8	99.2	0	0		38.5	7.7	46.2	7.7		6.2	90.5	3	0.3		5.3	0	94.7	0		
PHF	.500	.893	.000	.000	.888	.417	.250	.500	.250	.542	.719	.918	.688	.250	.941	.250	.000	.900	.000	.792	.934

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

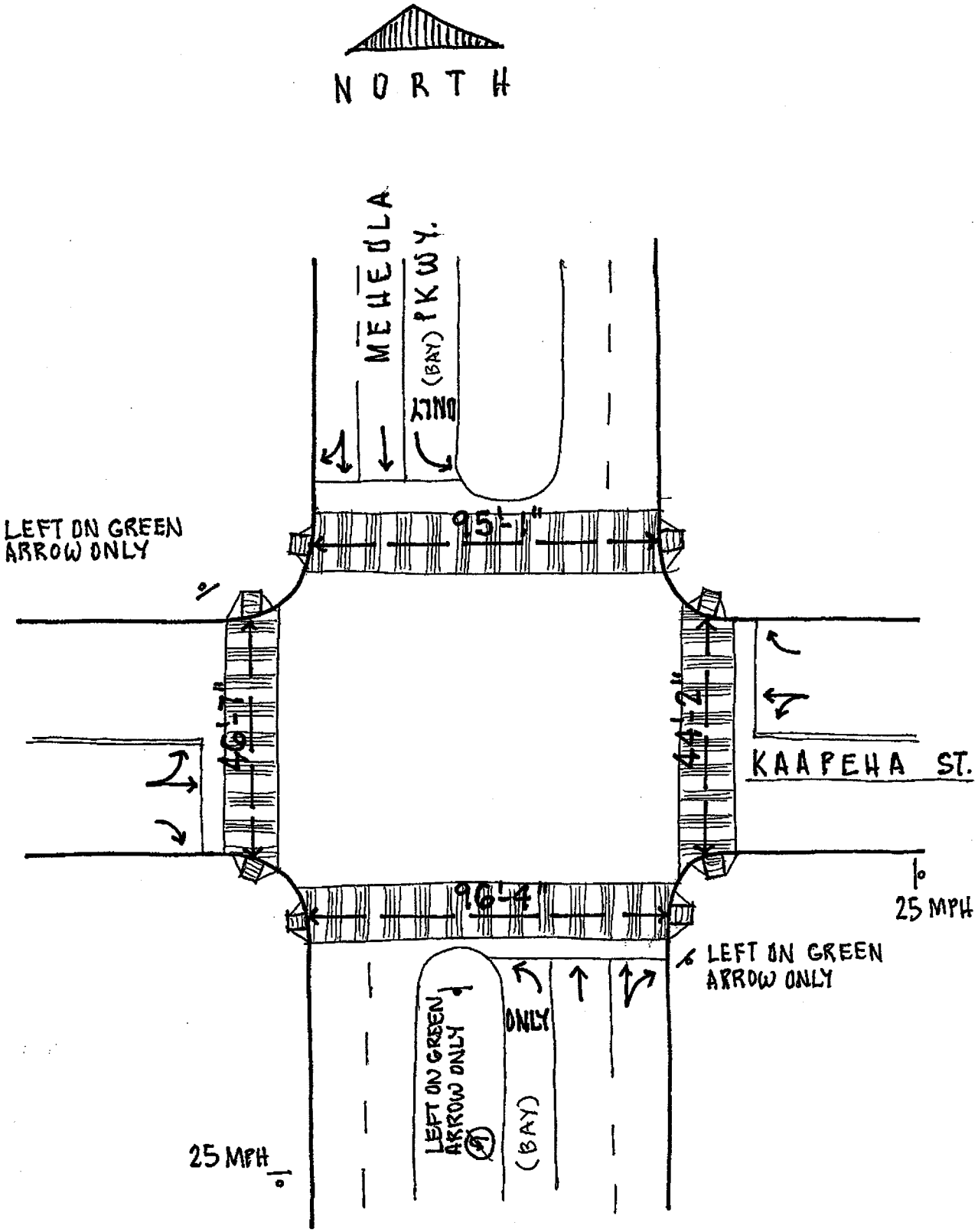
Counter:D4-3888, D4-5674
Counted:ME, JM
Weather:Clear

File Name : MehKaa PM
Site Code : 00000002
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Kaapeha Street Westbound					Meheula Parkway Northbound					Kaapeha Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	2	158	1	2	163	5	0	0	2	7	15	230	3	0	248	1	1	14	0	16	434
04:15 PM	4	158	1	2	165	2	1	1	1	5	13	276	5	0	294	1	0	6	1	8	472
04:30 PM	2	172	3	1	178	4	2	2	3	11	21	214	4	0	239	2	1	12	0	15	443
04:45 PM	7	116	1	1	125	5	0	2	1	8	14	247	4	0	265	1	0	14	1	16	414
Total	15	604	6	6	631	16	3	5	7	31	63	967	16	0	1046	5	2	46	2	55	1763
05:00 PM	3	100	3	0	106	0	1	3	0	4	17	264	6	0	287	1	0	13	0	14	411
05:15 PM	4	127	0	8	139	4	1	5	1	11	19	220	2	0	241	0	0	5	1	6	397
05:30 PM	1	110	1	1	113	8	3	6	2	19	16	229	6	0	251	1	0	3	2	6	389
05:45 PM	2	114	0	0	116	5	0	4	3	12	15	203	2	0	220	2	0	4	1	7	355
Total	10	451	4	9	474	17	5	18	6	46	67	916	16	0	999	4	0	25	4	33	1552
Grand Total	25	1055	10	15	1105	33	8	23	13	77	130	1883	32	0	2045	9	2	71	6	88	3315
Apprch %	2.3	95.5	0.9	1.4		42.9	10.4	29.9	16.9		6.4	92.1	1.6	0		10.2	2.3	80.7	6.8		
Total %	0.8	31.8	0.3	0.5	33.3	1	0.2	0.7	0.4	2.3	3.9	56.8	1	0	61.7	0.3	0.1	2.1	0.2	2.7	

	Meheula Parkway Southbound					Kaapeha Street Westbound					Meheula Parkway Northbound					Kaapeha Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	2	158	1	**2**	163	**5**	0	0	2	7	15	230	3	0	248	1	**1**	**14**	0	**16**	434
04:15 PM	4	158	1	2	165	2	1	1	1	5	13	**276**	**5**	0	**294**	1	0	6	1	8	**472**
04:30 PM	2	**172**	**3**	1	**178**	4	**2**	**2**	**3**	**11**	**21**	214	4	0	239	**2**	1	12	0	15	443
04:45 PM	**7**	116	1	1	125	5	0	2	1	8	14	247	4	0	265	1	0	14	1	16	414
Total Volume	15	604	6	6	631	16	3	5	7	31	63	967	16	0	1046	5	2	46	2	55	1763
% App. Total	2.4	95.7	1	1		51.6	9.7	16.1	22.6		6	92.4	1.5	0		9.1	3.6	83.6	3.6		
PHF	.536	.878	.500	.750	.886	.800	.375	.625	.583	.705	.750	.876	.800	.000	.889	.625	.500	.821	.500	.859	.934


NORTH
MENEHUNE PKWY.
ONLY (BAY)
LEFT ON GREEN ARROW ONLY
95'-1"
46'-7"
44'-2"
KAAPEHA ST.
96'-4"
25 MPH
LEFT ON GREEN ARROW ONLY
LEFT ON GREEN ARROW ONLY
ONLY
(BAY)
25 MPH

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-5674
Counted:JY, RY
Weather:Clear

File Name : MehKoo AM
Site Code : 00000003
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula parkway Southbound					Westbound	Meheula Parkway Northbound					Koolani Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	209	1	0	210	0	9	34	0	0	43	0	0	58	2	60	313
06:45 AM	0	227	2	0	229	0	8	39	0	0	47	3	0	51	4	58	334
Total	0	436	3	0	439	0	17	73	0	0	90	3	0	109	6	118	647
07:00 AM	0	329	2	3	334	0	10	63	0	0	73	7	0	77	1	85	492
07:15 AM	0	350	3	3	356	0	14	121	0	0	135	10	0	62	4	76	567
07:30 AM	0	347	2	2	351	0	30	151	0	0	181	6	0	55	0	61	593
07:45 AM	0	289	10	0	299	0	31	185	0	0	216	7	0	28	3	38	553
Total	0	1315	17	8	1340	0	85	520	0	0	605	30	0	222	8	260	2205
08:00 AM	0	244	1	2	247	0	29	168	0	0	197	5	0	26	2	33	477
08:15 AM	0	164	0	1	165	0	17	81	0	0	98	0	0	26	2	28	291
Grand Total	0	2159	21	11	2191	0	148	842	0	0	990	38	0	383	18	439	3620
Apprch %	0	98.5	1	0.5			14.9	85.1	0	0		8.7	0	87.2	4.1		
Total %	0	59.6	0.6	0.3	60.5	0	4.1	23.3	0	0	27.3	1	0	10.6	0.5	12.1	

	Meheula parkway Southbound					Westbound	Meheula Parkway Northbound					Koolani Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	329	2	**3**	334	0	10	63	0	0	73	7	0	**77**	1	**85**	492
07:15 AM	0	**350**	3	3	**356**	0	14	121	0	0	135	**10**	0	62	**4**	76	567
07:30 AM	0	347	2	2	351	0	30	151	0	0	181	6	0	55	0	61	**593**
07:45 AM	0	289	**10**	0	299	0	**31**	**185**	0	0	**216**	7	0	28	3	38	553
Total Volume	0	1315	17	8	1340	0	85	520	0	0	605	30	0	222	8	260	2205
% App. Total	0	98.1	1.3	0.6			14	86	0	0		11.5	0	85.4	3.1		
PHF	.000	.939	.425	.667	.941	.000	.685	.703	.000	.000	.700	.750	.000	.721	.500	.765	.930

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5672, D4-3889
Counted:RY, JY
Weather:Clear

File Name : MehKoo MIDDAY
Site Code : 00000003
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Westbound	Meheula Parkway Northbound					Koolani Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	70	19	1	90	0	13	70	0	0	83	1	0	17	1	19	192
11:15 AM	0	77	2	0	79	0	22	65	0	0	87	1	0	15	5	21	187
11:30 AM	0	63	0	0	63	0	10	92	0	0	102	1	0	12	0	13	178
11:45 AM	0	66	0	0	66	0	26	73	0	0	99	0	0	11	0	11	176
Total	0	276	21	1	298	0	71	300	0	0	371	3	0	55	6	64	733
12:00 PM	0	61	3	0	64	0	20	87	0	0	107	0	0	14	0	14	185
12:15 PM	0	55	3	0	58	0	27	84	0	0	111	1	0	19	0	20	189
12:30 PM	0	77	2	2	81	0	23	88	0	0	111	1	0	19	2	22	214
12:45 PM	0	75	1	2	78	0	0	0	0	0	0	3	0	17	0	20	98
Total	0	268	9	4	281	0	70	259	0	0	329	5	0	69	2	76	686
Grand Total	0	544	30	5	579	0	141	559	0	0	700	8	0	124	8	140	1419
Apprch %	0	94	5.2	0.9			20.1	79.9	0	0		5.7	0	88.6	5.7		
Total %	0	38.3	2.1	0.4	40.8	0	9.9	39.4	0	0	49.3	0.6	0	8.7	0.6	9.9	

	Meheula Parkway Southbound					Westbound	Meheula Parkway Northbound					Koolani Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:30 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 11:45 AM																	
11:45 AM	0	66	0	0	66	0	26	73	0	0	99	0	0	11	0	11	176
12:00 PM	0	61	3	0	64	0	20	87	0	0	107	0	0	14	0	14	185
12:15 PM	0	55	3	0	58	0	**27**	84	0	0	**111**	**1**	0	**19**	0	20	189
12:30 PM	0	**77**	2	**2**	**81**	0	23	**88**	0	0	111	1	0	19	**2**	**22**	**214**
Total Volume	0	259	8	2	269	0	96	332	0	0	428	2	0	63	2	67	764
% App. Total	0	96.3	3	0.7			22.4	77.6	0	0		3	0	94	3		
PHF	.000	.841	.667	.250	.830	.000	.889	.943	.000	.000	.964	.500	.000	.829	.250	.761	.893

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

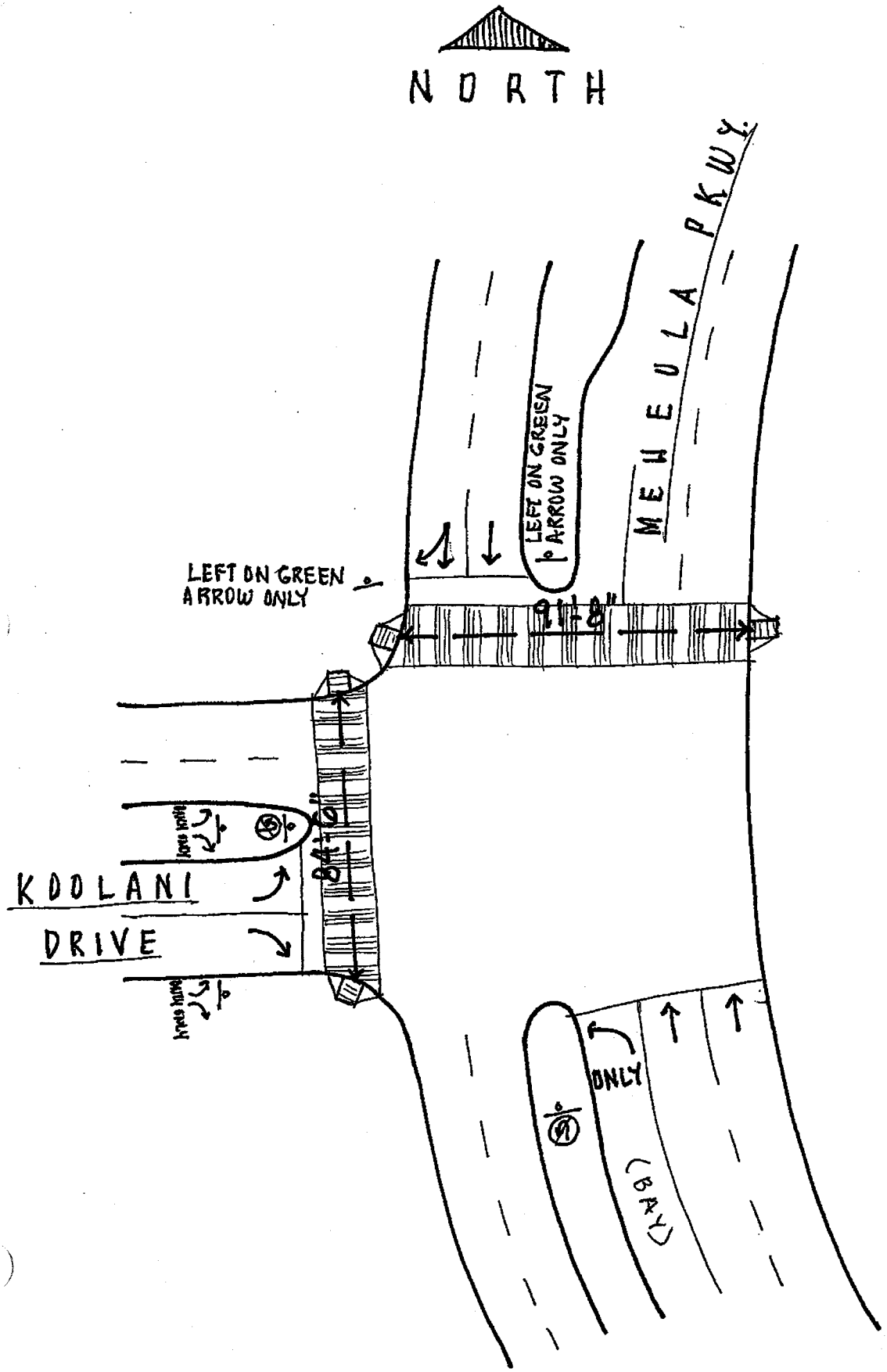
Counter:D4-5672, D4-3889
Counted:RY, JY
Weather:Clear

File Name : MehKoo PM
Site Code : 00000003
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Westbound	Meheula Parkway Northbound					Koolani Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	165	7	2	174	0	52	221	0	0	273	3	0	19	0	22	469
04:15 PM	0	150	7	0	157	0	54	264	0	0	318	1	0	31	1	33	508
04:30 PM	0	175	5	1	181	0	52	236	0	0	288	12	0	22	1	35	504
04:45 PM	0	150	4	0	154	0	53	241	0	0	294	4	0	28	2	34	482
Total	0	640	23	3	666	0	211	962	0	0	1173	20	0	100	4	124	1963
05:00 PM	0	113	1	0	114	0	40	241	0	0	281	4	0	21	0	25	420
05:15 PM	0	132	6	0	138	0	57	249	0	0	306	6	0	26	4	36	480
05:30 PM	0	119	2	1	122	0	52	259	0	0	311	2	0	29	1	32	465
05:45 PM	0	112	5	3	120	0	55	169	0	0	224	1	0	22	3	26	370
Total	0	476	14	4	494	0	204	918	0	0	1122	13	0	98	8	119	1735
Grand Total	0	1116	37	7	1160	0	415	1880	0	0	2295	33	0	198	12	243	3698
Apprch %	0	96.2	3.2	0.6			18.1	81.9	0	0		13.6	0	81.5	4.9		
Total %	0	30.2	1	0.2	31.4	0	11.2	50.8	0	0	62.1	0.9	0	5.4	0.3	6.6	

	Meheula Parkway Southbound					Westbound	Meheula Parkway Northbound					Koolani Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	165	7	**2**	174	0	52	221	0	0	273	3	0	19	0	22	469
04:15 PM	0	150	7	0	157	0	**54**	**264**	0	0	**318**	1	0	**31**	1	33	**508**
04:30 PM	0	**175**	5	1	**181**	0	52	236	0	0	288	**12**	0	22	1	**35**	504
04:45 PM	0	150	4	0	154	0	53	241	0	0	294	4	0	28	**2**	34	482
Total Volume	0	640	23	3	666	0	211	962	0	0	1173	20	0	100	4	124	1963
% App. Total	0	96.1	3.5	0.5			18	82	0	0		16.1	0	80.6	3.2		
PHF	.000	.914	.821	.375	.920	.000	.977	.911	.000	.000	.922	.417	.000	.806	.500	.886	.966


NORTH
MEHEULA PKWY.
LEFT ON GREEN ARROW ONLY
LEFT ON GREEN ARROW ONLY
91'-8"
KOOLANI DRIVE
ONLY
(BAY)

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-3890
Counted:TO
Weather:Clear

File Name : MehMak AM
Site Code : 00000004
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Makaikai Street Westbound					Meheula Parkway Northbound					Makaikai Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	257	11	1	269	60	6	0	1	67	0	47	6	0	53	4	4	10	0	18	407
06:45 AM	0	277	6	4	287	63	7	2	4	76	1	47	10	6	64	1	3	18	5	27	454
Total	0	534	17	5	556	123	13	2	5	143	1	94	16	6	117	5	7	28	5	45	861
07:00 AM	0	360	26	3	389	64	19	3	0	86	3	58	8	12	81	10	4	21	2	37	593
07:15 AM	0	389	36	4	429	72	29	0	6	107	3	117	16	25	161	12	7	39	9	67	764
07:30 AM	1	358	34	7	400	52	50	0	0	102	4	144	14	31	193	34	18	40	19	111	806
07:45 AM	2	329	19	8	358	64	9	3	5	81	7	175	19	29	230	31	13	50	2	96	765
Total	3	1436	115	22	1576	252	107	6	11	376	17	494	57	97	665	87	42	150	32	311	2928
08:00 AM	0	258	16	0	274	38	6	0	3	47	3	189	20	4	216	11	5	8	0	24	561
08:15 AM	1	189	5	2	197	40	2	2	5	49	0	89	20	4	113	3	1	11	4	19	378
Grand Total	4	2417	153	29	2603	453	128	10	24	615	21	866	113	111	1111	106	55	197	41	399	4728
Apprch %	0.2	92.9	5.9	1.1		73.7	20.8	1.6	3.9		1.9	77.9	10.2	10		26.6	13.8	49.4	10.3		
Total %	0.1	51.1	3.2	0.6	55.1	9.6	2.7	0.2	0.5	13	0.4	18.3	2.4	2.3	23.5	2.2	1.2	4.2	0.9	8.4	

	Meheula Parkway Southbound					Makaikai Street Westbound					Meheula Parkway Northbound					Makaikai Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	360	26	3	389	64	19	**3**	0	86	3	58	8	12	81	10	4	21	2	37	593
07:15 AM	0	**389**	**36**	4	**429**	**72**	29	0	**6**	**107**	3	117	16	25	161	12	7	39	9	67	764
07:30 AM	**1**	358	34	7	400	52	**50**	0	0	102	4	144	14	**31**	193	**34**	**18**	40	**19**	**111**	**806**
07:45 AM	**2**	329	19	**8**	358	64	9	3	5	81	**7**	**175**	**19**	29	**230**	31	13	**50**	2	96	765
Total Volume	3	1436	115	22	1576	252	107	6	11	376	17	494	57	97	665	87	42	150	32	311	2928
% App. Total	0.2	91.1	7.3	1.4		67	28.5	1.6	2.9		2.6	74.3	8.6	14.6		28	13.5	48.2	10.3		
PHF	.375	.923	.799	.688	.918	.875	.535	.500	.458	.879	.607	.706	.750	.782	.723	.640	.583	.750	.421	.700	.908

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5675, D4-3890
Counted:SW, KS
Weather:Clear

File Name : MehMak MIDDAY
Site Code : 00000004
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula parkway Southbound					Makaikai Street Westbound					Meheula parkway Northbound					Makaikai Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	93	3	0	96	22	3	1	0	26	3	59	17	0	79	4	2	2	0	8	209
11:15 AM	0	89	2	4	95	16	2	2	0	20	5	86	15	1	107	2	1	4	0	7	229
11:30 AM	0	69	2	1	72	24	1	0	0	25	4	101	26	0	131	3	2	3	1	9	237
11:45 AM	0	82	3	2	87	18	1	0	2	21	3	83	27	0	113	1	1	3	1	6	227
Total	0	333	10	7	350	80	7	3	2	92	15	329	85	1	430	10	6	12	2	30	902
12:00 PM	0	64	4	0	68	24	3	0	0	27	3	111	14	0	128	4	3	5	1	13	236
12:15 PM	0	74	3	0	77	14	2	0	0	16	7	111	25	0	143	3	2	3	0	8	244
12:30 PM	0	95	1	0	96	24	1	1	0	26	4	103	22	0	129	3	1	4	0	8	259
12:45 PM	0	91	4	0	95	33	3	1	0	37	6	79	29	0	114	4	3	6	0	13	259
Total	0	324	12	0	336	95	9	2	0	106	20	404	90	0	514	14	9	18	1	42	998
Grand Total	0	657	22	7	686	175	16	5	2	198	35	733	175	1	944	24	15	30	3	72	1900
Apprch %	0	95.8	3.2	1		88.4	8.1	2.5	1		3.7	77.6	18.5	0.1		33.3	20.8	41.7	4.2		
Total %	0	34.6	1.2	0.4	36.1	9.2	0.8	0.3	0.1	10.4	1.8	38.6	9.2	0.1	49.7	1.3	0.8	1.6	0.2	3.8	

	Meheula parkway Southbound					Makaikai Street Westbound					Meheula parkway Northbound					Makaikai Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	64	**4**	0	68	24	**3**	0	0	27	3	**111**	14	0	128	**4**	**3**	5	**1**	**13**	236
12:15 PM	0	74	3	0	77	14	2	0	0	16	**7**	111	25	0	**143**	3	2	3	0	8	244
12:30 PM	0	**95**	1	0	**96**	24	1	**1**	0	26	4	103	22	0	129	3	1	4	0	8	**259**
12:45 PM	0	91	4	0	95	**33**	3	1	0	**37**	6	79	**29**	0	114	4	3	**6**	0	13	259
Total Volume	0	324	12	0	336	95	9	2	0	106	20	404	90	0	514	14	9	18	1	42	998
% App. Total	0	96.4	3.6	0		89.6	8.5	1.9	0		3.9	78.6	17.5	0		33.3	21.4	42.9	2.4		
PHF	.000	.853	.750	.000	.875	.720	.750	.500	.000	.716	.714	.910	.776	.000	.899	.875	.750	.750	.250	.808	.963

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

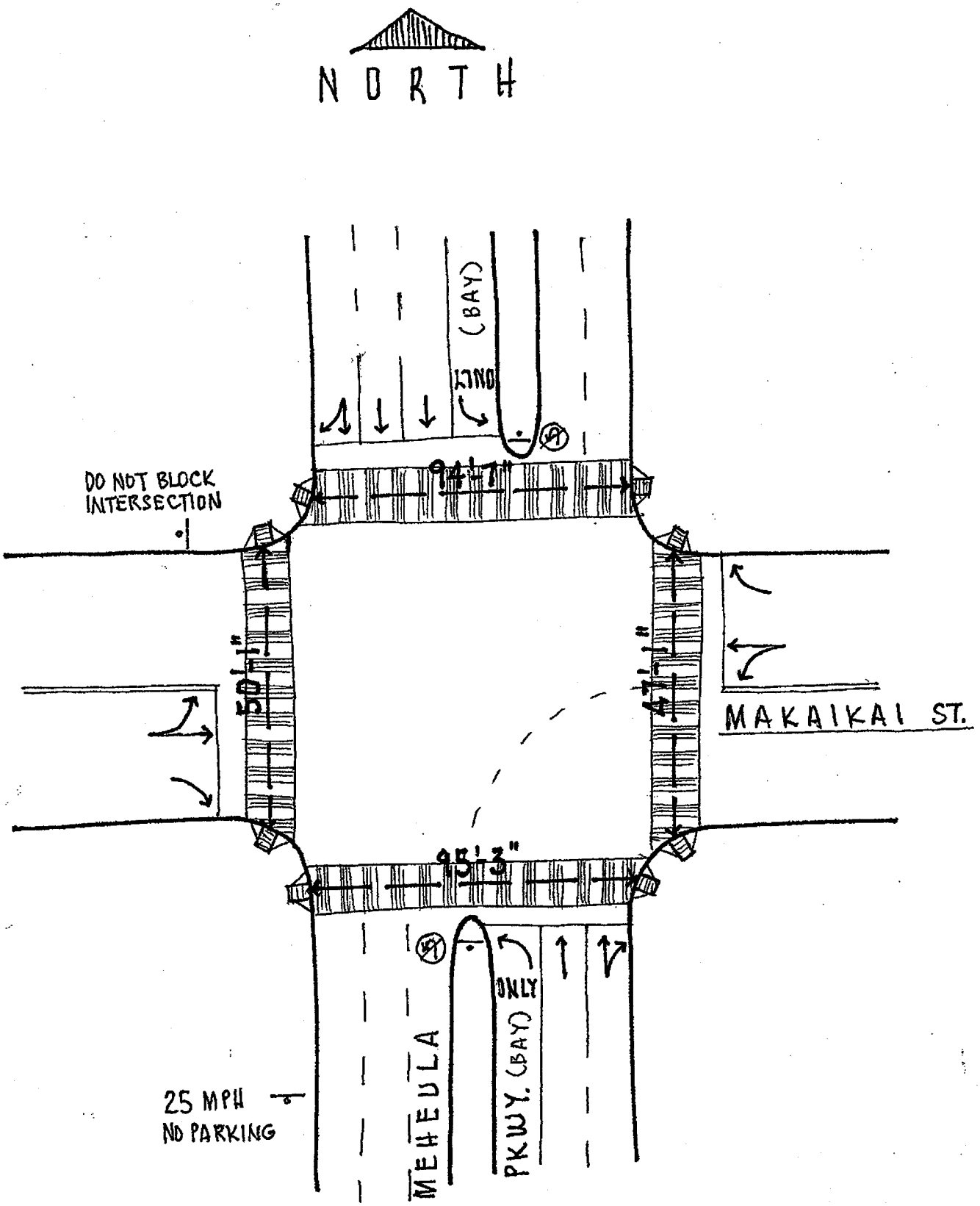
Counter:D4-5675, D4-3890
Counted:EK, SW
Weather:Clear

File Name : MehMak PM
Site Code : 00000004
Start Date : 5/1/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Makaikai Street Westbound					Meheula Parkway Northbound					Makaikai Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	1	174	7	0	182	31	6	3	2	42	15	262	54	1	332	8	9	9	0	26	582
04:15 PM	1	175	11	0	187	33	4	1	2	40	20	296	65	2	383	30	7	18	0	55	665
04:30 PM	1	181	12	1	195	43	4	3	0	50	15	267	66	0	348	17	7	8	2	34	627
04:45 PM	3	162	6	1	172	25	2	0	1	28	9	302	50	0	361	10	6	14	1	31	592
Total	6	692	36	2	736	132	16	7	5	160	59	1127	235	3	1424	65	29	49	3	146	2466
05:00 PM	1	118	10	4	133	27	2	0	0	29	9	339	54	0	402	9	4	9	5	27	591
05:15 PM	0	134	4	3	141	27	2	2	1	32	15	277	56	0	348	16	6	12	1	35	556
05:30 PM	2	135	1	0	138	37	1	0	1	39	11	315	61	5	392	4	3	7	0	14	583
05:45 PM	0	141	3	4	148	26	1	0	6	33	8	272	62	1	343	12	5	10	5	32	556
Total	3	528	18	11	560	117	6	2	8	133	43	1203	233	6	1485	41	18	38	11	108	2286
Grand Total	9	1220	54	13	1296	249	22	9	13	293	102	2330	468	9	2909	106	47	87	14	254	4752
Apprch %	0.7	94.1	4.2	1		85	7.5	3.1	4.4		3.5	80.1	16.1	0.3		41.7	18.5	34.3	5.5		
Total %	0.2	25.7	1.1	0.3	27.3	5.2	0.5	0.2	0.3	6.2	2.1	49	9.8	0.2	61.2	2.2	1	1.8	0.3	5.3	

	Meheula Parkway Southbound					Makaikai Street Westbound					Meheula Parkway Northbound					Makaikai Street Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	1	175	11	0	187	33	4	1	2	40	20	296	65	2	383	30	7	18	0	55	665
04:30 PM	1	181	12	1	195	43	4	3	0	50	15	267	66	0	348	17	7	8	2	34	627
04:45 PM	3	162	6	1	172	25	2	0	1	28	9	302	50	0	361	10	6	14	1	31	592
05:00 PM	1	118	10	4	133	27	2	0	0	29	9	339	54	0	402	9	4	9	5	27	591
Total Volume	6	636	39	6	687	128	12	4	3	147	53	1204	235	2	1494	66	24	49	8	147	2475
% App. Total	0.9	92.6	5.7	0.9		87.1	8.2	2.7	2		3.5	80.6	15.7	0.1		44.9	16.3	33.3	5.4		
PHF	.500	.878	.813	.375	.881	.744	.750	.333	.375	.735	.663	.888	.890	.250	.929	.550	.857	.681	.400	.668	.930


NORTH
DO NOT BLOCK INTERSECTION
94'-7"
50'-1"
47'-1"
MAKAIKAI ST.
95'-3"
ONLY
(BAY)
PKWY.
MEHEULA
25 MPH
NO PARKING

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5674
Counted:RY, JY
Weather:Clear

File Name : MehAin AM
Site Code : 00000005
Start Date : 5/5/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Ainamakua Drive Westbound					Meheula Parkway Northbound					Ainamakua Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	1	293	3	2	299	55	5	4	0	64	38	51	15	1	105	2	3	133	0	138	606
06:45 AM	2	365	3	2	372	72	9	5	3	89	28	62	23	5	118	5	4	125	6	140	719
Total	3	658	6	4	671	127	14	9	3	153	66	113	38	6	223	7	7	258	6	278	1325
07:00 AM	1	413	0	8	422	101	22	9	4	136	35	81	23	0	139	6	2	135	3	146	843
07:15 AM	5	380	5	11	401	92	27	9	1	129	82	136	18	6	242	5	23	151	5	184	956
07:30 AM	1	412	7	2	422	96	51	8	3	158	72	172	29	2	275	3	27	140	2	172	1027
07:45 AM	7	426	6	13	452	107	18	11	0	136	79	168	46	0	293	10	42	146	3	201	1082
Total	14	1631	18	34	1697	396	118	37	8	559	268	557	116	8	949	24	94	572	13	703	3908
08:00 AM	7	398	2	2	409	86	0	9	0	95	40	165	44	1	250	4	18	129	1	152	906
08:15 AM	9	340	4	3	356	59	8	6	0	73	47	92	22	1	162	4	4	127	1	136	727
Grand Total	33	3027	30	43	3133	668	140	61	11	880	421	927	220	16	1584	39	123	1086	21	1269	6866
Apprch %	1.1	96.6	1	1.4		75.9	15.9	6.9	1.2		26.6	58.5	13.9	1		3.1	9.7	85.6	1.7		
Total %	0.5	44.1	0.4	0.6	45.6	9.7	2	0.9	0.2	12.8	6.1	13.5	3.2	0.2	23.1	0.6	1.8	15.8	0.3	18.5	

	Meheula Parkway Southbound					Ainamakua Drive Westbound					Meheula Parkway Northbound					Ainamakua Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	**5**	**380**	**5**	**11**	**401**	**92**	**27**	**9**	**1**	**129**	**82**	136	18	**6**	242	5	23	**151**	**5**	184	956
07:30 AM	1	412	**7**	2	422	96	**51**	8	**3**	**158**	72	**172**	29	2	275	3	27	140	2	172	1027
07:45 AM	**7**	**426**	6	**13**	**452**	**107**	18	**11**	0	136	79	168	**46**	0	**293**	**10**	**42**	146	3	**201**	**1082**
08:00 AM	7	398	2	2	409	86	0	9	0	95	40	165	44	1	250	4	18	129	1	152	906
Total Volume	20	1616	20	28	1684	381	96	37	4	518	273	641	137	9	1060	22	110	566	11	709	3971
% App. Total	1.2	96	1.2	1.7		73.6	18.5	7.1	0.8		25.8	60.5	12.9	0.8		3.1	15.5	79.8	1.6		
PHF	.714	.948	.714	.538	.931	.890	.471	.841	.333	.820	.832	.932	.745	.375	.904	.550	.655	.937	.550	.882	.918

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5674
Counted:RY, JY
Weather:Clear

File Name : MehAin - U-Turns AM
Site Code : 00000005
Start Date : 5/5/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Westbound	Meheula Parkway Northbound (Left Turn Column Indicates U-Turns)					Eastbound	
Start Time	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
06:30 AM	0	0	6	0	0	0	6	0	6
06:45 AM	0	0	26	0	0	0	26	0	26
Total	0	0	32	0	0	0	32	0	32
07:00 AM	0	0	16	0	0	0	16	0	16
07:15 AM	0	0	13	0	0	0	13	0	13
07:30 AM	0	0	18	0	0	0	18	0	18
07:45 AM	0	0	21	0	0	0	21	0	21
Total	0	0	68	0	0	0	68	0	68
08:00 AM	0	0	22	0	0	0	22	0	22
08:15 AM	0	0	10	0	0	0	10	0	10
Grand Total	0	0	132	0	0	0	132	0	132
Apprch %			100	0	0	0			
Total %	0	0	100	0	0	0	100	0	

	Southbound	Westbound	Meheula Parkway Northbound (Left Turn Column Indicates U-Turns)					Eastbound	
Start Time	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 07:15 AM									
07:15 AM	0	0	13	0	0	0	13	0	13
07:30 AM	0	0	18	0	0	0	18	0	18
07:45 AM	0	0	21	0	0	0	21	0	21
08:00 AM	0	0	**22**	0	0	0	**22**	0	**22**
Total Volume	0	0	74	0	0	0	74	0	74
% App. Total			100	0	0	0			
PHF	.000	.000	.841	.000	.000	.000	.841	.000	.841

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:D4-5677, D4-5674
Counted:RY, JY
Weather:Clear

File Name : MehAin PM
Site Code : 00000005
Start Date : 5/5/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Ainamakua Drive Westbound					Meheula Parkway Northbound					Ainamakua Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	219	2	6	227	39	7	7	4	57	99	304	57	5	465	8	6	65	3	82	831
04:15 PM	7	224	4	0	235	65	6	10	0	81	109	294	47	2	452	12	8	100	1	121	889
04:30 PM	8	178	5	4	195	49	14	4	0	67	154	330	70	0	554	14	11	96	0	121	937
04:45 PM	9	184	3	0	196	65	11	13	1	90	96	354	79	1	530	11	6	83	2	102	918
Total	24	805	14	10	853	218	38	34	5	295	458	1282	253	8	2001	45	31	344	6	426	3575
05:00 PM	7	146	2	9	164	52	7	18	0	77	105	373	87	3	568	10	13	90	0	113	922
05:15 PM	5	208	6	6	225	51	3	10	0	64	126	362	87	0	575	15	6	66	1	88	952
05:30 PM	4	176	1	7	188	38	5	5	1	49	106	354	92	1	553	8	11	78	0	97	887
05:45 PM	13	174	2	3	192	40	7	5	1	53	88	326	84	6	504	6	7	68	2	83	832
Total	29	704	11	25	769	181	22	38	2	243	425	1415	350	10	2200	39	37	302	3	381	3593
Grand Total	53	1509	25	35	1622	399	60	72	7	538	883	2697	603	18	4201	84	68	646	9	807	7168
Apprch %	3.3	93	1.5	2.2		74.2	11.2	13.4	1.3		21	64.2	14.4	0.4		10.4	8.4	80	1.1		
Total %	0.7	21.1	0.3	0.5	22.6	5.6	0.8	1	0.1	7.5	12.3	37.6	8.4	0.3	58.6	1.2	0.9	9	0.1	11.3	

	Meheula Parkway Southbound					Ainamakua Drive Westbound					Meheula Parkway Northbound					Ainamakua Drive Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	**8**	**178**	**5**	**4**	**195**	**49**	14	4	0	67	154	330	70	0	554	14	11	96	0	121	937
04:45 PM	**9**	184	3	0	196	**65**	11	13	**1**	**90**	96	354	79	1	530	11	6	83	**2**	102	918
05:00 PM	7	146	2	**9**	164	52	7	**18**	0	77	105	**373**	**87**	**3**	568	10	**13**	90	0	113	922
05:15 PM	5	**208**	**6**	6	**225**	51	3	10	0	64	126	362	87	0	**575**	**15**	6	66	1	88	**952**
Total Volume	29	716	16	19	780	217	35	45	1	298	481	1419	323	4	2227	50	36	335	3	424	3729
% App. Total	3.7	91.8	2.1	2.4		72.8	11.7	15.1	0.3		21.6	63.7	14.5	0.2		11.8	8.5	79	0.7		
PHF	.806	.861	.667	.528	.867	.835	.625	.625	.250	.828	.781	.951	.928	.333	.968	.833	.692	.872	.375	.876	.979

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

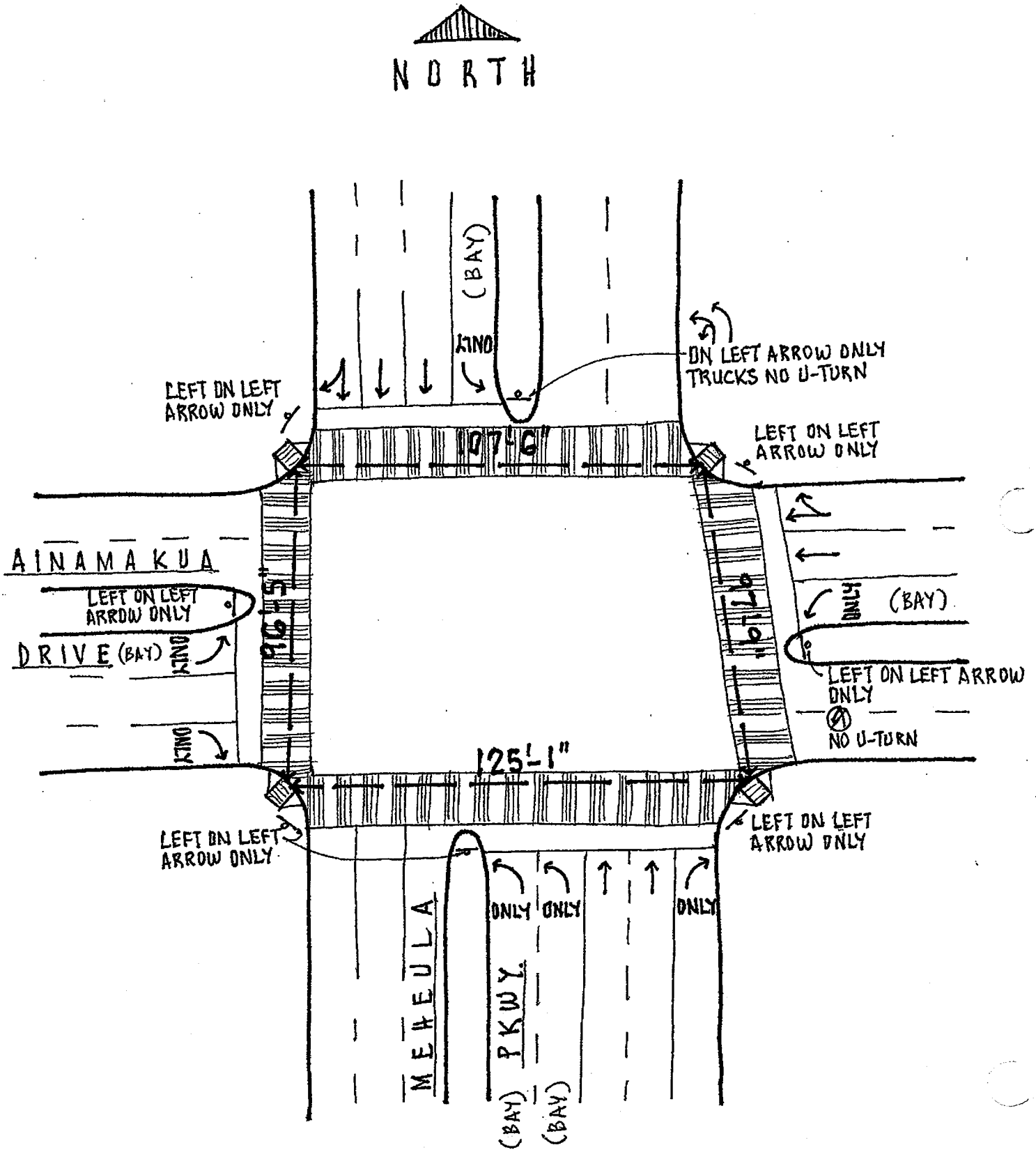
Counter:D4-5677, D4-5674
Counted:RY, JY
Weather:Clear

File Name : MehAin - U-Turns PM
Site Code : 00000005
Start Date : 5/5/2008
Page No : 1

Groups Printed- Unshifted

	Southbound	Westbound	Meheula Parkway		Second Number In LT Column Indicates U-Turn Northbound			Eastbound	
Start Time	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
04:00 PM	0	0	21	0	0	0	21	0	21
04:15 PM	0	0	16	0	0	0	16	0	16
04:30 PM	0	0	17	0	0	0	17	0	17
04:45 PM	0	0	14	0	0	0	14	0	14
Total	0	0	68	0	0	0	68	0	68
05:00 PM	0	0	18	0	0	0	18	0	18
05:15 PM	0	0	14	0	0	0	14	0	14
05:30 PM	0	0	12	0	0	0	12	0	12
05:45 PM	0	0	13	0	0	0	13	0	13
Total	0	0	57	0	0	0	57	0	57
Grand Total	0	0	125	0	0	0	125	0	125
Apprch %			100	0	0	0			
Total %	0	0	100	0	0	0	100	0	

	Southbound	Westbound	Meheula Parkway		Second Number In LT Column Indicates U-Turn Northbound			Eastbound	
Start Time	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 04:00 PM									
04:00 PM	0	0	**21**	0	0	0	**21**	0	**21**
04:15 PM	0	0	16	0	0	0	16	0	16
04:30 PM	0	0	17	0	0	0	17	0	17
04:45 PM	0	0	14	0	0	0	14	0	14
Total Volume	0	0	68	0	0	0	68	0	68
% App. Total			100	0	0	0			
PHF	.000	.000	.810	.000	.000	.000	.810	.000	.810


NORTH
(BAY)
ONLY
DN LEFT ARROW ONLY
TRUCKS NO U-TURN
LEFT ON LEFT
ARROW ONLY
107'-6"
LEFT ON LEFT
ARROW ONLY
AINAMAKUA
LEFT ON LEFT
ARROW ONLY
DRIVE (BAY)
ONLY
96'-5"
96'-9"
ONLY
(BAY)
LEFT ON LEFT ARROW
ONLY
NO U-TURN
ONLY
125'-1"
LEFT ON LEFT
ARROW ONLY
LEFT ON LEFT
ARROW ONLY
ONLY
ONLY
ONLY
MEHEULA
PKWY.
(BAY)
(BAY)

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1839, D4-5673
Counted:ZW, ME
Weather:Clear

File Name : H-2 Off-Ramp - SB Meheula Pkwy. AM
Site Code : 00000006
Start Date : 5/5/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					H-2 WB Off-Ramp Westbound					Meheula Parkway Northbound					H-2 EB Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	494	67	0	561	0	0	31	0	31	74	72	0	0	146	0	0	42	1	43	781
06:45 AM	0	535	100	0	635	0	0	41	0	41	52	96	0	0	148	0	0	79	3	82	906
Total	0	1029	167	0	1196	0	0	72	0	72	126	168	0	0	294	0	0	121	4	125	1687
07:00 AM	0	568	100	0	668	0	0	44	0	44	129	124	0	0	253	0	0	90	2	92	1057
07:15 AM	0	579	126	0	705	0	0	82	0	82	117	173	0	0	290	0	0	80	7	87	1164
07:30 AM	0	619	86	0	705	0	0	80	0	80	113	191	0	0	304	0	0	123	2	125	1214
07:45 AM	0	630	112	0	742	0	0	81	0	81	117	238	0	0	355	0	0	112	6	118	1296
Total	0	2396	424	0	2820	0	0	287	0	287	476	726	0	0	1202	0	0	405	17	422	4731
08:00 AM	0	620	96	0	716	0	0	60	0	60	93	280	0	0	373	0	0	87	4	91	1240
08:15 AM	0	500	101	0	601	0	0	63	0	63	71	121	0	0	192	0	0	148	1	149	1005
Grand Total	0	4545	788	0	5333	0	0	482	0	482	766	1295	0	0	2061	0	0	761	26	787	8663
Apprch %	0	85.2	14.8	0		0	0	100	0		37.2	62.8	0	0		0	0	96.7	3.3		
Total %	0	52.5	9.1	0	61.6	0	0	5.6	0	5.6	8.8	14.9	0	0	23.8	0	0	8.8	0.3	9.1	

	Meheula Parkway Southbound					H-2 WB Off-Ramp Westbound					Meheula Parkway Northbound					H-2 EB Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	579	**126**	0	705	0	0	**82**	0	**82**	**117**	173	0	0	290	0	0	80	**7**	87	1164
07:30 AM	0	619	86	0	705	0	0	80	0	80	113	191	0	0	304	0	0	**123**	2	**125**	**1214**
07:45 AM	0	**630**	112	0	**742**	0	0	81	0	81	117	238	0	0	355	0	0	112	6	118	**1296**
08:00 AM	0	620	96	0	716	0	0	60	0	60	93	**280**	0	0	**373**	0	0	87	4	91	1240
Total Volume	0	2448	420	0	2868	0	0	303	0	303	440	882	0	0	1322	0	0	402	19	421	4914
% App. Total	0	85.4	14.6	0		0	0	100	0		33.3	66.7	0	0		0	0	95.5	4.5		
PHF	.000	.971	.833	.000	.966	.000	.000	.924	.000	.924	.940	.788	.000	.000	.886	.000	.000	.817	.679	.842	.948

WILSON OKAMOTO CORPORATION
1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

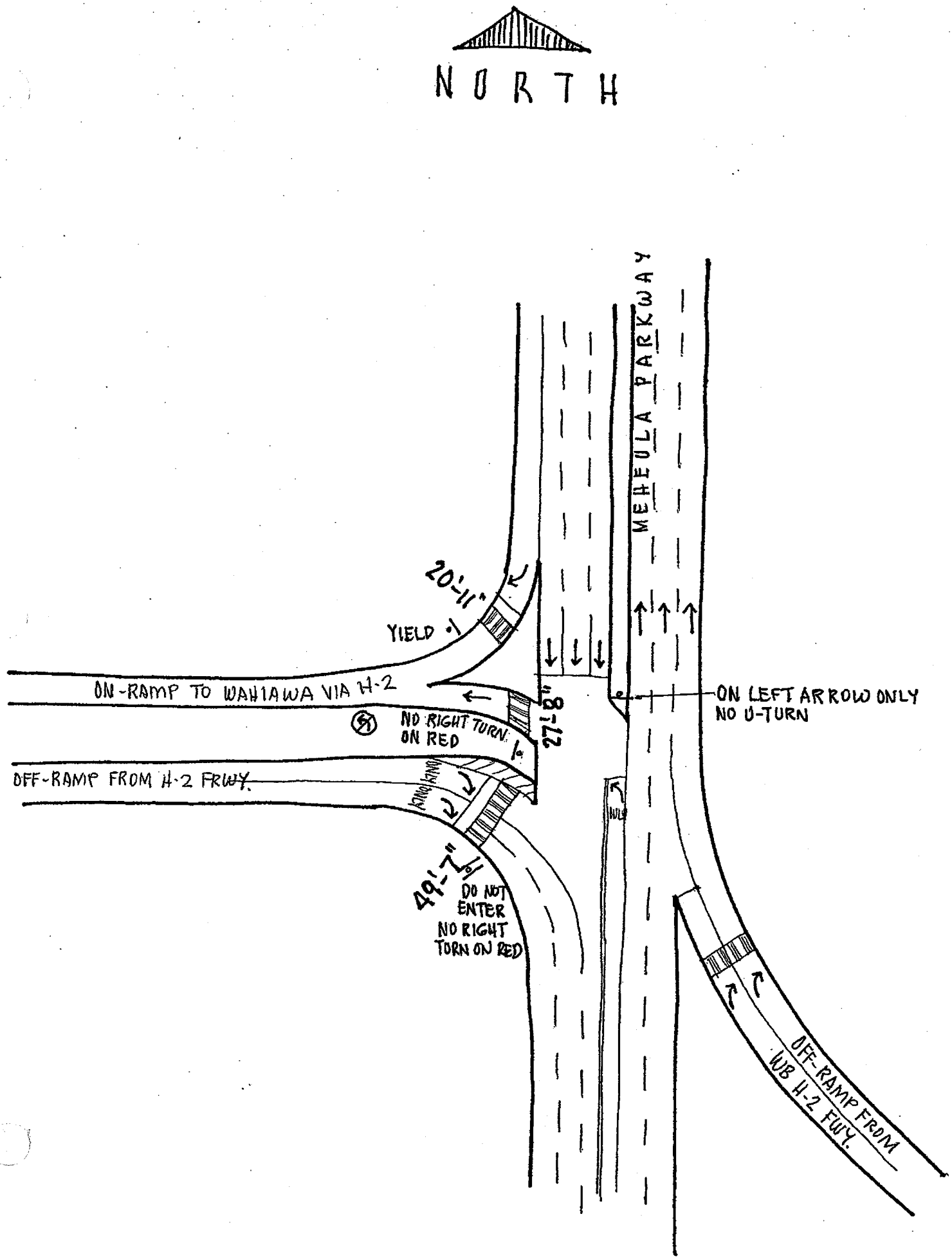
CounterT-1839, D4-5673
Counted:ZW, ME
Weather:Clear

File Name : H-2 Off-Ramp - SB Meheula Pkwy. PM
Site Code : 00000006
Start Date : 5/5/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					H-2 WB Off-Ramp Westbound					Meheula Parkway Northbound					H-2 EB Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	327	53	0	380	0	0	304	0	304	96	404	0	0	500	0	0	333	4	337	1521
04:15 PM	0	389	66	0	455	0	0	249	6	255	84	501	0	0	585	0	0	381	2	383	1678
04:30 PM	0	394	33	0	427	0	0	289	0	289	144	527	0	0	671	0	0	442	3	445	1832
04:45 PM	0	342	47	0	389	0	0	255	0	255	91	483	0	0	574	0	0	349	3	352	1570
Total	0	1452	199	0	1651	0	0	1097	6	1103	415	1915	0	0	2330	0	0	1505	12	1517	6601
05:00 PM	0	372	27	0	399	0	0	453	0	453	94	465	0	0	559	0	0	417	8	425	1836
05:15 PM	0	339	21	5	365	0	0	384	0	384	66	331	0	0	397	0	0	337	1	338	1484
05:30 PM	0	302	41	0	343	0	0	326	0	326	36	284	0	0	320	0	0	348	1	349	1338
05:45 PM	0	229	36	0	265	0	0	374	6	380	87	307	0	0	394	0	0	303	40	343	1382
Total	0	1242	125	5	1372	0	0	1537	6	1543	283	1387	0	0	1670	0	0	1405	50	1455	6040
Grand Total	0	2694	324	5	3023	0	0	2634	12	2646	698	3302	0	0	4000	0	0	2910	62	2972	12641
Apprch %	0	89.1	10.7	0.2		0	0	99.5	0.5		17.5	82.6	0	0		0	0	97.9	2.1		
Total %	0	21.3	2.6	0	23.9	0	0	20.8	0.1	20.9	5.5	26.1	0	0	31.6	0	0	23	0.5	23.5	

	Meheula Parkway Southbound					H-2 WB Off-Ramp Westbound					Meheula Parkway Northbound					H-2 EB Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	389	**66**	0	**455**	0	0	249	**6**	255	84	501	0	0	585	0	0	381	2	383	1678
04:30 PM	0	**394**	33	0	427	0	0	289	0	289	**144**	**527**	0	0	**671**	0	0	**442**	3	**445**	1832
04:45 PM	0	342	47	0	389	0	0	255	0	255	91	483	0	0	574	0	0	349	3	352	1570
05:00 PM	0	372	27	0	399	0	0	**453**	0	**453**	94	465	0	0	559	0	0	417	**8**	425	**1836**
Total Volume	0	1497	173	0	1670	0	0	1246	6	1252	413	1976	0	0	2389	0	0	1589	16	1605	6916
% App. Total	0	89.6	10.4	0		0	0	99.5	0.5		17.3	82.7	0	0		0	0	99	1		
PHF	.000	.950	.655	.000	.918	.000	.000	.688	.250	.691	.717	.937	.000	.000	.890	.000	.000	.899	.500	.902	.942


NORTH
MEHEULA PARKWAY
20'-11"
YIELD
ON-RAMP TO WAHIAWA VIA H-2
NO RIGHT TURN ON RED
27'-8"
ON LEFT ARROW ONLY
NO U-TURN
OFF-RAMP FROM H-2 FRWY.
49'-7"
DO NOT ENTER
NO RIGHT TURN ON RED
OFF-RAMP FROM WB H-2 FWY.

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

Counter:T-1841, D4-3889
Counted:ER, TO
Weather:Clear

File Name : MehOff-Ramp - NB Meheula Pkwy. AM
Site Code : 00000007
Start Date : 5/5/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Westbound	Meheula Parkway Northbound					H-2 EB Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
06:30 AM	0	106	345	0	451	0	0	95	243	0	338	16	0	32	1	49	838
06:45 AM	0	139	310	0	449	0	0	113	194	0	307	19	0	37	0	56	812
Total	0	245	655	0	900	0	0	208	437	0	645	35	0	69	1	105	1650
07:00 AM	0	279	429	0	708	0	0	166	266	0	432	35	0	37	4	76	1216
07:15 AM	0	447	530	0	977	0	0	207	297	0	504	32	0	49	5	86	1567
07:30 AM	0	445	398	0	843	0	0	251	289	0	540	69	0	82	4	155	1538
07:45 AM	0	522	369	0	891	0	0	270	254	0	524	69	0	86	7	162	1577
Total	0	1693	1726	0	3419	0	0	894	1106	0	2000	205	0	254	20	479	5898
08:00 AM	0	346	412	0	758	0	0	241	240	0	481	49	0	50	3	102	1341
08:15 AM	0	274	362	0	636	0	0	121	179	0	300	25	0	49	0	74	1010
Grand Total	0	2558	3155	0	5713	0	0	1464	1962	0	3426	314	0	422	24	760	9899
Apprch %	0	44.8	55.2	0			0	42.7	57.3	0		41.3	0	55.5	3.2		
Total %	0	25.8	31.9	0	57.7	0	0	14.8	19.8	0	34.6	3.2	0	4.3	0.2	7.7	

	Meheula Parkway Southbound					Westbound	Meheula Parkway Northbound					H-2 EB Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	447	**530**	0	**977**	0	0	207	**297**	0	504	32	0	49	5	86	1567
07:30 AM	0	445	398	0	843	0	0	251	289	0	**540**	**69**	0	82	4	155	1538
07:45 AM	0	**522**	369	0	891	0	0	**270**	254	0	524	69	0	**86**	**7**	**162**	**1577**
08:00 AM	0	346	412	0	758	0	0	241	240	0	481	49	0	50	3	102	1341
Total Volume	0	1760	1709	0	3469	0	0	969	1080	0	2049	219	0	267	19	505	6023
% App. Total	0	50.7	49.3	0			0	47.3	52.7	0		43.4	0	52.9	3.8		
PHF	.000	.843	.806	.000	.888	.000	.000	.897	.909	.000	.949	.793	.000	.776	.679	.779	.955

WILSON OKAMOTO CORPORATION

1907 S. Beretania Street Suite 400
Honolulu, Hi 96826

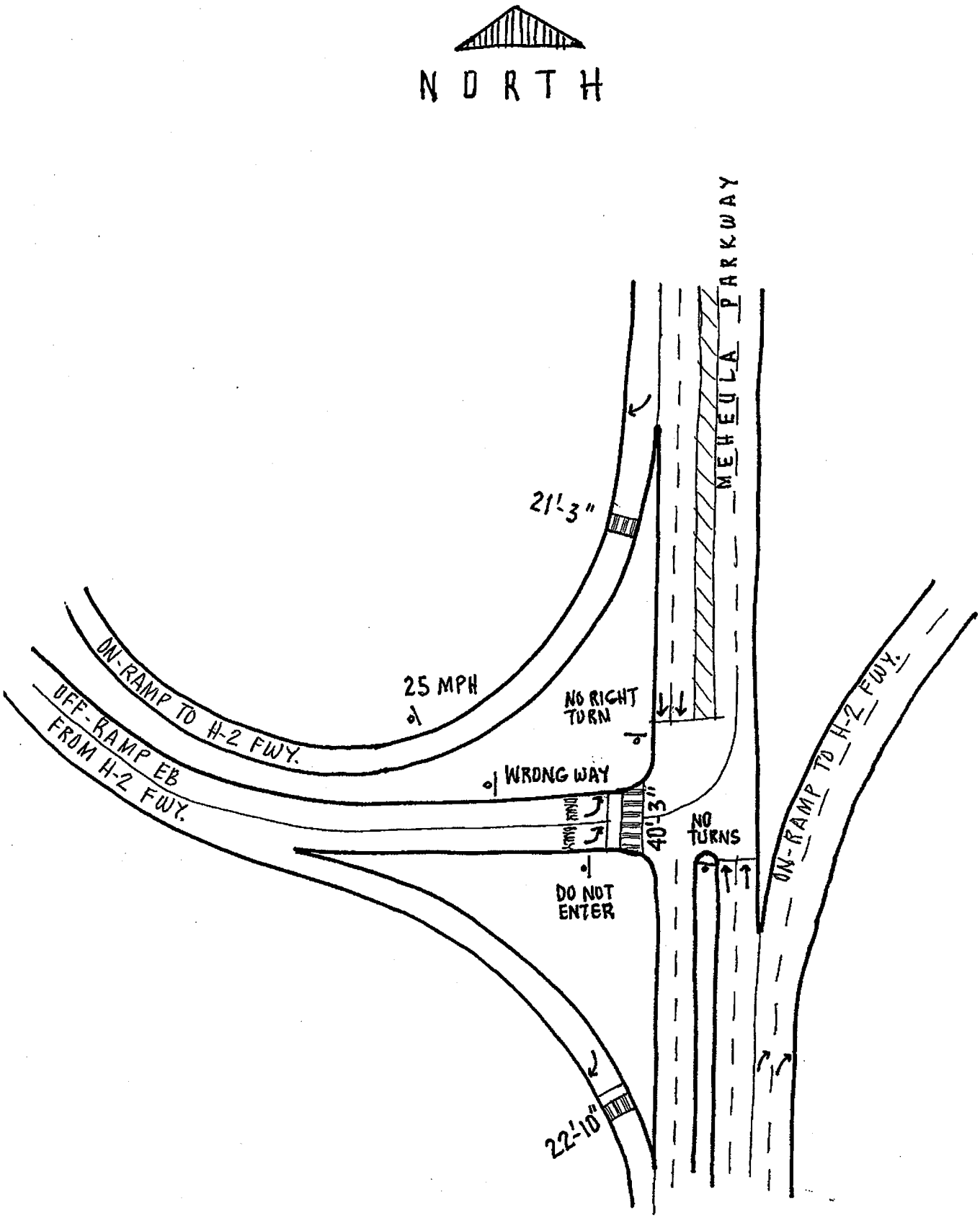
Counter:T-1841, D4-3889
Counted:ER, TO
Weather:Clear

File Name : MehOff-Ramp - NB Meheula Pkwy. PM
Site Code : 00000007
Start Date : 5/5/2008
Page No : 1

Groups Printed- Unshifted

	Meheula Parkway Southbound					Westbound	Meheula Parkway Northbound					H-2 EB Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
04:00 PM	0	446	125	0	571	0	0	248	112	0	360	66	0	95	4	165	1096
04:15 PM	0	560	100	0	660	0	0	291	111	0	402	116	0	114	2	232	1294
04:30 PM	0	551	68	0	619	0	1	285	118	0	404	94	0	96	3	193	1216
04:45 PM	0	473	117	0	590	0	0	276	124	0	400	90	0	104	7	201	1191
Total	0	2030	410	0	2440	0	1	1100	465	0	1566	366	0	409	16	791	4797
05:00 PM	0	466	114	0	580	0	0	283	140	0	423	95	0	89	5	189	1192
05:15 PM	0	484	106	0	590	0	0	274	133	0	407	129	0	111	2	242	1239
05:30 PM	0	486	128	0	614	0	0	242	135	0	377	62	0	91	2	155	1146
05:45 PM	0	424	136	0	560	0	0	258	117	0	375	86	0	104	5	195	1130
Total	0	1860	484	0	2344	0	0	1057	525	0	1582	372	0	395	14	781	4707
Grand Total	0	3890	894	0	4784	0	1	2157	990	0	3148	738	0	804	30	1572	9504
Apprch %	0	81.3	18.7	0			0	68.5	31.4	0		46.9	0	51.1	1.9		
Total %	0	40.9	9.4	0	50.3	0	0	22.7	10.4	0	33.1	7.8	0	8.5	0.3	16.5	

	Meheula Parkway Southbound					Westbound	Meheula Parkway Northbound					H-2 EB Off-Ramp Eastbound					
Start Time	Left	Thru	Right	Peds	App. Total	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	0	**560**	100	0	**660**	0	0	**291**	111	0	402	**116**	0	**114**	2	**232**	**1294**
04:30 PM	0	551	68	0	619	0	**1**	285	118	0	404	94	0	96	3	193	1216
04:45 PM	0	473	**117**	0	590	0	0	276	124	0	400	90	0	104	**7**	201	1191
05:00 PM	0	466	114	0	580	0	0	283	**140**	0	**423**	95	0	89	5	189	1192
Total Volume	0	2050	399	0	2449	0	1	1135	493	0	1629	395	0	403	17	815	4893
% App. Total	0	83.7	16.3	0			0.1	69.7	30.3	0		48.5	0	49.4	2.1		
PHF	.000	.915	.853	.000	.928	.000	.250	.975	.880	.000	.963	.851	.000	.884	.607	.878	.945


NORTH
MEHEULA PARKWAY
21'-3"
ON-RAMP TO H-2 FWY.
25 MPH
OFF-RAMP EB
FROM H-2 FWY.
NO RIGHT TURN
WRONG WAY
40'-3"
NO TURNS
DO NOT ENTER
ON-RAMP TO H-2 FWY.
22'-10"