

## Honolulu Liliha and Nuuanu Complete Streets Community Meeting #1 Summary

**DATE:** Tuesday December 12, 2017

**TIME:** 6:00 – 8:00 pm

**LOCATION:** Mae Mae Elementary School Cafeteria

**PROJECT TEAM:**

**Meeting Facilitator:** David Tarnas, MCSI

**SSFM Presenters:** Sue LeBrun, Melissa White

**SSFM Staff/Map Exercise Facilitators:** Lulu Chun, Abbey Seitz, Carlos Kelton

**City and County of Honolulu DTS:** Wes Frysztacki, Kelly Akasaki, Jack Patterson

**MEETING AGENDA:**

- I. Welcome/Introductions - David Tarnas, Facilitator
- II. Complete Streets and Project Overview - Melissa White, SSFM International
- III. Issues, Ideas, Solutions Identified; Draft concepts - Sue LeBrun, SSFM International
- IV. Questions
- V. Map exercise - Concept Designs for Nuuanu and Liliha
- VI. Next Steps and Wrap-up - Melissa White, SSFM International

**MEETING OBJECTIVES:**

1. Provide an overview of the Nu‘uanu-Liliha Complete Streets project and work that has been done to date.
2. Present and gather community input on preliminary draft concepts for Nu‘uanu Avenue and Liliha Street.
3. Provide information on next steps and how to stay involved in the project.



**PARTICIPANTS:**

Attendees					
No.	Name	Organization	No.	Name	Organization
1	Aaron Lau	resident	23	Cora Yamamoto	DPH
2	Al Valdez	613 Panui St	24	Cyn Char	2445 Liliha Street
3	Alan Kato	15 Craigsides Family	25	Daniel Alexander	HBL
4	Alan Suwa	2033 Nuuanu AOA	26	Debra Beck	
5	Alma Valdez	613 Panui St	27	Delaine A Sylvester	Nuuanu Terrace AOA
6	Alvin Char	2445 Liliha Street	28	Donald Nitta	1727 Kapālama AO
7	Ami Olstein	1634 Nuuanu	29	Dorothy Lee	Sakura
8	Amy Muroshige	1634 Nuuanu	30	Duane Hong	
9	Ann Yamane		31	Dustin Suekawa	
10	Arnold Kishi	Nuuanu Brookside	32	Elaine Katsuyoshi	Sakura resident
11	Barry Masuda		33	Ernest Juliusburger	2101 Nuuanu
12	Bev Bernal Masuda		34	Fay Yasutake	
13	Brad Higgins	Nuuanu Brookside resident and Treasurer of AOA	35	Frank Smith	HBL
14	Brenda Johan	Sakura Bldg Apt 507	36	G. Hamm	
15	Carole Kaapu	Lanakila Senior Center	37	Glenn Moriyama	2029 Nuuanu Ave
16	Carolyn Darr	resident	38	Grace Williams	resident
17	Cary Beall	Sakura	39	Greg Yoshida	Sakura
18	Chad Taniguchi	HBL	40	Guy Bilonta	2029 Nuuanu Ave
19	Charlene Nakagawa	Liliha resident	41	Harvey Ozer	555 Jude St Apt 1910
20	Charles Katsuyoshi	2029 Nuuanu Ave	42	Hayden Hu	
21	Cissy Serrao	1720 Huna St #106	43	Henry Pang	
22	Claudette Kozuki	2101 Nu'uanu #207	44	James Fulton	Craigsides



<b>Attendees</b>					
<b>No.</b>	<b>Name</b>	<b>Organization</b>	<b>No.</b>	<b>Name</b>	<b>Organization</b>
45	Jane Nagel	Craigside Tower I	69	Orinda Maxwell	2101 Nu'uuanu
46	Janet Lee	2101 Nuuanu Ave	70	Pat Woo	
47	Jenna Takenouchi	Office of Representative Takashi Ohno	71	Paul Sato	2029 Nu'uuanu #1002
48	Jessie Faige	Sen Karl Rhoads	72	Philip S. Nerney	NEIGHBORHOOD BOARD NO. 12
49	Joan Takamori		73	R. Chun	resident
50	Joanne Ninomiya	Nuuanu Brookside	74	R. Oshiro	
51	John Sims	1634 Nuuanu	75	Rachel Beasley	resident
52	K. Pans		76	Rae Gee	
53	Karen Hill	Nuuanu Brookside	77	Raul Villanueva	District 6 City Council
54	Kari Soma		78	Rene Dela Cruz	2033 Nuuanu
55	Kathy Breeden	15 Craigsid	79	Richard Onosaki	Sakura resident
56	L. Lee	neighbor	80	Richard Santo	SSFM
57	Larry Stults	Nuuanu Parkside	81	Robert Bellizzi	2101 Nuuanu
58	Lester Inouye	Kawananakoa Place Association	82	Ron Pike	Sakura
59	Linda Yamakawa	2029 Nuuanu Ave	83	Roylinne Wada	Sakura
60	Lisa Solomine	1739 Lanikila Ave	84	Sean Kauai	SSFM
61	Lynnette Leger		85	Sherry Fieser	Sakura
62	Masara Abe	15 Graigsid Pl	86	Shirley Soma	
63	Michael Soma	Nuuanu Brookside	87	Stasia Barcelona	2033 Nuuanu Ave
64	Michelle Sakai	1634 Nu'uuanu #403	88	Susan Nagle	Nuuanu Brookside
65	Misook	Nuuanu Parkside	89	T. Javier	Nu'uuanu Resident
66	Nancy Bartter	2040 Nuuanu Ave	90	T. Komoto	Nu'uuanu intersection
67	Nick Nagel	Craigside Tower I	91	Takashi Ohno	Representative
68	Nicole Hori	NEIGHBORHOOD BOARD NO. 12	92	Tamara Edwards	neighbor



<b>Attendees</b>					
<b>No.</b>	<b>Name</b>	<b>Organization</b>	<b>No.</b>	<b>Name</b>	<b>Organization</b>
93	TC Brady	Nuuanu Parkside	98	Victor Corpuz	Sakura resident
94	Timothy Miller	POBOX 15642 Honolulu HI	99	Victor Kattan	neighbor
95	Tom Matsuoka		100	W. Ota	2029 Nu'uuanu
96	Tyler Dos Santos-Tam	resident	101	Wesley Fong	NB 14 (Chair)
97	Venessa Frysztacki	Weslin	102	Wilma Moriyama	2029 Nuuanu Ave



## **PRESENTATION OF PRELIMINARY CONCEPT DESIGNS:**

The project team provided a presentation on the project and the preliminary concept designs. A copy of the presentation is appended to this summary. Below is a description of the draft concepts that were presented by the project team.

### **Liliha Street**

#### **Preliminary Concepts (SSFM team presented)**

1. Implement road diet, transitioning street from four to three vehicle lanes (two through lanes and a center, two-way left-turn lane). The reduction of lanes allows the space for a bike lane on uphill side, and 5' to provide wider sidewalks and planting strips. The downhill travel lane will be a shared lane with sharrow markings for bicyclists.
2. Off-set the road to maintain as much on-street parking as possible.
3. Add curb extensions to shorten pedestrian crossing distances.
4. Plant trees in curb extensions to add shade and greenery.
5. Liliha at Kuakini: Provide a designated left turn lane from Kuakini onto Liliha.

### **Nuuanu Avenue**

#### **Preliminary Concepts (SSFM team presented):**

1. Reconfigure vehicular traffic into a three-lane cross section with one lane going mauka and two lanes going makai (Kuakini to School). Between Kuakini and Judd, provide one lane each direction with center turn lane in the center of the project, one lane each direction. Between Judd and Wyllie, no center turn lane is proposed so parking can be maintained.
2. The freed-up space from removing one lane can be used to add a 5' climbing bike lane and widen sidewalks.
3. Parking will be retained on Ewa side from School St to Kuakini St except during peak hours (like current condition).
4. Crosswalks less than 300 feet apart are not compliant with the Complete Streets manual and will be consolidated.
5. There are two alternatives for Nuuanu Ave, one adds roundabouts at Nuuanu/Judd, Nuuanu/Pauoa, and Nuuanu/Wyllie, and the other keeps these as signalized intersections, as they are today, with some improvements to configuration and signals.

## Questions & Answers

Following the presentation, the audience asked questions and provided comments to the project team. Questions and responses from the project team (where applicable) are summarized below.

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### **1: Q: What is on top of a crossing island?**

A: Crossing islands--also known as center islands, refuge islands, pedestrian islands or median slow points--are raised islands with curb, placed in the center of the street at intersection or midblock locations to help protect crossing from motor vehicles. The surface could be pavement or grass. The material would be carefully chosen in final design.

### **2: Q: Why doesn't the City and County improve pedestrian paths?**

A: This project is aiming to make recommendations to improve Liliha St/Nuuanu Ave. Providing a safe and comfortable walking environment is one of the major goals. The City has identified these corridors as needing improvements, through this project is developing plans to do so.

### **3: Q: Why hasn't the City and County fixed the pedestrian paths or sidewalks already?**

A: This project aims to improve pedestrian facilities and enhance the walking experience by implementing Complete Streets solutions. Many other needs all over Oahu compete for limited budget dollars.

### **4: Q: What is a road diet?**

Q: A Road Diet is generally described as "removing travel lanes from a roadway and utilizing the space for other uses and travel modes." The reduction of lanes allows the roadway cross section to be reallocated for other uses such as bike lanes, pedestrian refuge islands, transit uses, and/or parking.

### **5: Q: Is there any chance to place overhead utility lines underground?**

A: We can make the recommendation, however there is a significant cost to placing utilities underground, so this option would need careful consideration and may not be feasible.

### **6: Q: Will the Road Diet allow Tow Away zones?**

A: Illegally parked vehicles will continue to be towed. Parking restrictions that prohibit long term parking will need to be maintained, signed and enforced.

**7: Q: Who will be responsible for car damages related to the poor roadway condition?**

A: Although the streets are bumpy in places, drivers can prevent damage by driving the speed limit.

**8: Q: Will this project limit the future condominium/business development within this area by removing on street parking and loading space?**

A: The area is already built up. Future development will need to provide off street parking.

**9: Q: Have you ridden bikes on Nuuanu Ave all the way up to Wyllie? Have you gone driving along both streets in peak hour?**

A: We have walked and driven the project area, and observed and studied peak hour traffic and existing usage by bikes. Members of the project team drive the project streets every day.

**10: Q: Have you done simulations of the roundabout alternative?**

A: Yes we did, and the Level of Service results of roundabouts are presented on the map.

**11: On street parking is a main concern for all residents. A lot of people have only one parking spot, we need parking close by.**

A: Thank you. We have noted the concern for retaining parking and are considering it in the design.

**12: Education is needed for roundabouts, for example, people didn't know how to use the roundabout in Makiki.**

A: Agreed. Education is key to successful roundabout implementation.

**13: If you remove tow-away zone and replace it as permanent parking stalls, it would encourage people to camp out and park forever.**

A: All parking will be metered and/or restricted to prevent prolonged parking.

**14: Have you considered improving the lighting on Nuuanu Ave? Trees are good but they also block light. It could cause dangerous situation sometime for drivers cannot see the roadway. How will historical trees be addressed?**

A: Yes, improved lighting will be recommended. This is a later stage design issue. No trees are expected to be removed for this project.

**15: Q: Will an EA be required for this project?**

A: EA is not required, this project is working on the street area within the County-owned right of way.

**16: Q: Will the material (presentation/maps) be posted online?**

A: Yes.



**17: Bicyclists need to be educated.**

A: Agreed that education is a critical component. The City partners with Hawai'i Bicycling League and others on this.

**18: Please provide a cost for this project**

A: An Opinion of Probable Cost will accompany the 30% plans. Cost estimates before that stage are not very accurate.

**19: What are the design priorities?**

A: This is a Complete Streets project, so it is concerned with increasing access and safety for all modes and users. Addressing sidewalk deficiencies is a priority, as well as accommodating bicycles and transit needs. No significant widening of intersections is possible with right of way constraints, and therefore traffic improvements are limited to optimizing traffic signal phasing and timing and lane striping. These corridors have notable pedestrian and bicycle crash and safety issues. A main priority is to improve safety and comfort for pedestrians on the sidewalks and at crossings, and to attain ADA compliance.

**20: Can you provide a timeline of roadway resurfacing and maintenance? Can we use concrete instead of asphalt on roadway?**

A: Construction of these plans is expected to take place approximately 2020 or later. The City chooses pavement design based on their specifications, determined by traffic count, heavy vehicle loading and other factors.

**21: Keep Nuuanu, Nuuanu. Nuuanu has pride in our community. Please don't change it to an environment which doesn't fit in this neighborhood.**

## WRITTEN COMMENTS:

Comment cards were provided to participants. Comments received on comment cards are transcribed below.

1. Crosswalk with blinking lights installed on Nuuanu Ave to warn the motorists they are approaching a crosswalk and cars are existing from Craigsid road- 15 Craigsid Pl residence.
2. Please continue to plan according to the Complete Streets concept- even though vehicle drivers seem most vocal but please don't take the priority over the other users of the streets.
3. The two crashes at Nuuanu/Bates: one happened because of the drunk driver and the other happened because there is no street light.
4. A: Install a dedicated right lane on Nuuanu Ave northbound lane at Pauoa Rd. This would allow cars going south on Nuuanu and turning left on Pauoa to turn without having to guess if cars are going straight or turning right on Pauoa. It should allow traffic to flow more smoothly  
B: Have a left turn arrow at Pauoa/Nuuanu  
C: Remove street parking on Nuuanu from School St to Kuakini St  
D: Don't remove the large trees
5. Improvements to Nuuanu Street:  
A: LED lights especially by huge trees  
B: Cut back branches over street-blocks light and sunlight  
C: Remove trees blocking sidewalk  
D: Put paved sidewalks along cemeteries on both sides of streets  
E: Left turn signal at Kawanakoa School  
F: Underground utility

NOT good improvements:

- A: Taking parking spaces away
- B: Dedicated parking lanes – no room
- C: Roundabouts at intersections, can buses turn? Fire trucks?

New thought:

- A: Eliminate the "Count Down" when crossing the street at a crosswalk. Instead of count down when crossing in crosswalk, a "stop hand" should come on so that people won't run across the crosswalk because they see there is only "5" seconds



- left to cross. People don't know that the countdown doesn't mean don't start crossing, they think it means "run" because time is running out.
6. Please do not be swayed by opinions that resist change. I bike, walk and drive on both of these streets, my daughter walks to Maemae School. There are many unsafe areas due to speeding, parked cars obstructing visibility, and poor road conditions. As much as an inconvenience people face, we need to make this even safer for all.
  7. The goals are excellent but must be prioritized to fit the budget. If the budget is limited, please fix the sidewalks, street lights, and repave the roadway first.
  8. I grew up in the Liliha-Nuuanu area in the 50's and 60's, lived on the mainland from 70's and returning back 2 and half years ago. Like almost everyone else at the meeting, I am frustrated by the traffic, bad or no sidewalks, I am a driver, sometimes walker, would not bike as I live up a hill. I fully support bike lanes, two way left turn lanes and if it makes sense, roundabouts. I am used to dislike with the latter two, but I am getting used to the bike lanes here. My sense of this meeting is the most of people here are afraid of changes-especially since they are not experienced with some of these new solutions. More trees are good too!
  9. A: Disarray streets/ blaming utility poles which were there before  
B: Removal of parking in a very old neighborhood  
C: Moving of parking from main street to side streets  
D: Extent of high rises in and older neighborhood  
F: How will you address the bus stopping when you propose to have only one lane on Liliha St?  
G: You need people who live in the community to be on this advisory group
  10. Nuuanu needs:  
A: Improved sidewalks  
B: Repave the roadway- immediately  
C: No bike lanes- too narrow especially when buses going along Nuuanu  
D: HBA students are unsafe walking from school  
E: Roundabout is okay  
Will there be any additional community meetings after the 30% design plans?
  11. I think the majority present tonight came because of fear of elimination of street parking on Nuuanu. Fixing sidewalks and roads/streets are a good idea, but no budget or start time for improvements could be given. If we have to keep coming back to these meetings, it's an exercise in



12. We don't need bike lanes, we don't want parking eliminated, we do need left turn lanes, we do need re-paving, no roundabout on Nuuanu Ave, we do need better marked crosswalks that have better-timed pedestrian crossing
13. Why hasn't the city fixed these issues already? Why are they depending on CS program to make changes?
14. A: Bike lanes might be better placed on Liliha instead of Nuuanu Ave.  
B: The cars driving on Nuuanu to/from Pali are going very fast  
C: There are also fewer lanes on Nuuanu, less parking with higher density condos and a steeper hill.  
D: A sidewalk along the short stretch along Oahu Cemetery (Diamond Head side) and Nuuanu Memorial Park on Nuuanu Ave is needed.  
E: Brighter street lights (at night) on Nuuanu Ave are also needed. Many cars were break-ins at night, the overall visibility at night is poor  
F: Remove utility poles on both streets
15. A: Add a dedicated right turn lane on northbound Nuuanu Ave at Pauoa Rd. This would allow cars going south on Nuuanu and turning left on Pauoa to turn without having to guess if cars are turning right or going straight up Nuuanu.  
B: Add a left turn light at Nuuanu and Pauoa  
C: Remove street parking on Nuuanu from School St to Kuakini St  
D: Keep the large trees
16. Ladies and Gentlemen, My name is Gerhard Hamm and this is my wife, Roberta. Let me first say what we really need: is a repaving of Nuuanu Ave., It is very bad patchwork. Really unacceptable. Bike Lane: we live on Nuuanu Ave and face the traffic directly all the way from Judd St up to the top. The regular traffic flows perfectly 24 hours a day in both directions. There is no bike traffic. None. If you want to count the number you can count'm on the 10 fingers of your hands for the whole day. Nuuanu Ave. is the back-and-forth street to Downtown. That's the high-rent district. No bikes there, just cars.  
  
A bike lane would not affect us. We have 2 parking stalls, but it would affect our neighbor. I understand our next door Craigsides Old Age home has no parking for their nurses. So where do they park? On Nuuanu Avenue. They still face being evicted in the morning from 6.30 to 8.30, no parking on one lane. And the same from 4.30 to 6.30 in the afternoon. There are no other parking streets in the neighborhood. So why do I show up here tonight? I like to help my neighbors perform my social responsibility. I have served on my former Neighborhood Board (Waialae, Aina Haina" Niu) not only on I elected terms but

on 2. No axe to grind, just to help my neighbors. In conclusion please do not take any parking away from Judd Street all the way up to the Pali.

17. I'm the resident manager for a condominium that will be greatly impacted by this Complete Street project. I'm speaking for many residents who are unable to express their deep concerns and opposition. I have personally counted a total number of 29 stalls in which vehicles can legally street park, and this parking is extremely essential to the operation of the surrounding condominiums. They depend heavily upon this parking to accommodate the influx of contracted plumbers, electricians, painters, etc. as well as residents and guests who utilize this parking daily. To take away the street parking that serves a vital service to the neighborhood in order to install a short section of bicycle lanes just doesn't make sense. It's a decision that cannot be reconciled. Roundabouts and the removal of 2 traffic lanes will also hinder the movement and response time for emergency vehicles such as Fire Trucks and Ambulances that frequently use this section as a main artery for access points. It will also cause a traffic choke point and possible pedestrian and vehicular accidents. Why not allocate the monies to conduct much needed road repairs on Nuuanu Avenue from School Street up to Wylie Street, install a left turn signal at the Nuuanu Ave. and Pahoa Road intersection, repair the sidewalks, restripe the crosswalks, and install pedestrian activated flashing lights for the dangerous crosswalk at Bates Street. This makes much more sense I would like to reiterate and clearly stress that the majority consensus of the neighborhood residents are opposed to these unwanted alterations. While we really appreciate the work that all of you do, we truly hope that you...our city officials who are supposed to represent and serve the people...will do so accordingly. Please don't let those who are lobbying for this change take precedence over both common sense and the wishes of hundreds of residents.

### **COMMENTS ON PRELIMINARY CONCEPT DESIGNS:**

Participants had the opportunity to study and provide comments on large maps of the preliminary concept designs for Liliha Street and Nuuanu Avenue. Facilitators at each station assisted with recording comments on post-it notes placed on the maps. Comments provided were tabulated according to street, topic, and whether they were general or location-specific. The tables on the following pages include the comments received.

## Liliha Street

General/ not location specific	Intersection/Location	Parking	Pedestrian	Crosswalks and crossings	Bike Lanes	Traffic & Signals	Roundabout	Sidewalks	Character/ Aesthetics	Speed	Safety	Bus Stops	Comments
General		X											Taking away too many parking stalls in an old neighborhood
General		X											Not enough existing parking
General		X											Need to mark parking stalls
General					X								How about bike lane towards town on one lane and towards valley on other
General						X							Turn bays are too complicated for many left turn drivers into businesses and driveways
General							X						Love "Roundabout" (different writer) HATE roundabout
General							X						Roundabout might work people don't know how to take turns
General							X						Like roundabout option, 2nd this
General								X					Wider sidewalks may mean more space for residents to pile old sofas, mattresses, etc. Until you police these folks, pedestrians must walk in the streets & it is very unsightly
General									X				Preserve "old time" "neighborhood" unique character of Liliha
General									X				Need to be mindful city maintenance of trees
General												X	Bus bays (need to be) installed especially when there is only one lane.
General												X	Ewa side of Liliha needs Bus pullout
General												X	Need bus pull outs all along the Ewa side
General													You said you want to slow traffic down by "road diet" yet you also said you want to increase traffic flow
General													Nothing changes until self driving cars becomes a reality
General													Would rather actually have the project happen
	Ehako PI				X	X							Concerned about congestion busses, bicycles and cars in one lane (Bikes need their own lane)
	Ekekela PI	X							X				This parking blocks view of cars exiting from Ekekela PI
	Ekekela PI			X									There are 7 non intersection cross walks
	Ekekela PI					X							Needs to slow down traffic

General/ not location specific	Intersection/Location	Parking	Pedestrian	Crosswalks and crossings	Bike Lanes	Traffic & Signals	Roundabout	Sidewalks	Character/ Aesthetics	Speed	Safety	Bus Stops	Comments
	Ekekela Pl							X					Don't think bulbout is needed - makes turn difficult traffic is not heavy
	Halapia Pl											X	This is a very busy bus stop. Recommend installing an area where the bus can pull over and not stop traffic flow Bulb out would make it just one lane & cause more traffic.
	Holokahana Ln			X		X							Crosswalk is hard to see at night. Poor Lighting. Improve street lighting or remove crosswalk
	Holokahana Ln							X					Extension may be dangerous for people who are not aware Gotta improve lighting - crosswalk is invisible to driveways.
	Holokahana Ln			X									Even think about taking it out
	Holokahana Ln & North Kuakini St			X									Need Blinking light
	Holokahana Ln & North Kuakini St			X									Need lighting/ warning signs for crossings not at intersection
	Ihe st, Panui st, Mapu In Judd	X											I agree for removing the parking stalls between Ihe st & Mapu Ln. Removed parking between Panui st & Ihe st People rush through the light
	Judd					X							Intersection of Judd & Liliha St: Signalized left turn @ lights
	Judd & Kunawai	X											Need tow away from Judd to Kunawai
	Kuakini & School St					X							Very good to have 2 way left turns between Kuakini & School St
	Liliha Ct In			X									Need rapid flashing beacon for crosswalk
	Liliha Ct In & North Kuakini Street												Is this not a fire hydrant?
	Liliha Ct In & North Kuakini Street												We like these stores & buildings. Please don't make derogatory comments.
	Mapu Ln	X											Dangerous parking bad line of sight
	North Kuakini							X					Potentially not needed to extend
	North Kuakini					X							Very heavy intersection, gets congested
	North Kuakini					X							Need signalized left turns

General/ not location specific	Intersection/Location	Parking	Pedestrian	Crosswalks and crossings	Bike Lanes	Traffic & Signals	Roundabout	Sidewalks	Character/ Aesthetics	Speed	Safety	Bus Stops	Comments
	North Kuakini & Kunawai Ln												Like shared left
	North Kuakini Street					X							Dedicated left turn lanes are good
	Panui			X									No, no median island for pedestrians (why single out that location anyway?) The street is not exceptionally wide there. As little construction as possible please
	Panui St											X	Bad design, Ewa side need bus pull out
	Panui St & Kunawai Ln	X											Agree parking should be removed, is very residential
	St Fransis Healthcare driveway					X						X	Need bus bulb outs for hospital
	St Fransis Healthcare driveway			X							X		Better lighting: Crosswalk almost invisible very dangerous to cross
	St Fransis Healthcare driveway											X	Very important bus stop - bus will back up 1 lane of traffic
	Wyllie St												Go pass Wyllie into Puunui
	Wyllie St							X					Sidewalk extension potentially not needed, already large
	Wyllie St						X						Don't think roundabout is needed; only traffic is when school letting out
	Wyllie St					X							Think roundabouts would be good

## Nuuanu Avenue (Alternative 1)

General/ not location specific	Intersection/Location	Parking	Pedestrian	Crosswalks and crossings	Bike Lanes	Traffic & Signals	Roundabout	Sidewalks	Character/ Aesthetics	Speed	Safety	Bus Stops	Comments
General		X			X		X						No roundabout, no bike lanes, keep parking spaces
General		X			X		X						No roundabouts, No bike lanes, keep parking spaces
General		X							X				More street lighting, where will the displaced cars park? Farther away with farther walk at night...safety?
General		X											Recommendations for all roads with street parking; mark parking stalls, Allow sufficient space (min 10'-12') from all driveways for safety reasons.
General		X											Eliminate parking spots adjacent to all driveways. Very dangerous
General		X											Buildings do provide guest and loading spots. Residents want space for 2nd spot.
General		X											Keep all parking on Nuuanu, get rid of bike lanes
General		X											Condo's have parking. Don't need street parking. Senior condo Craigside has parking up to church.
General		X											Not parking on bridge
General		X											Not accurate count of parking, need 29 parking stalls for possible handicap, delivery parking
General			X		X								Bikes Liliha side, Ped focus Nuuanu
General			X								X		Channelized turns aren't bike & pedestrian friendly
General			X										Also need lights to control pedestrian traffic. If they can cross anytime, further congests roundabout area
General				X							X		Customers are tempted to jay walk
General				X									Flashing signal at crosswalks
General					X		X						No bike lanes and no roundabouts in my neighborhood
General					X		X						Keep lights. No roundabouts, No bike lanes
General					X		X						I'm a cyclist and bike roundabouts?
General													Yes to bike lanes. Lots of us ride up Nuuanu daily, rain or shine.
General					X								No bike lanes on Nuuanu. Too steep and too wet.
General					X								No bike lanes on Nuuanu. Extremely low usage only satisfies a very small minority.
General						X							Can other traffic controls be used to reduce the number of cars, only using Nuuanu as a Highway bypass?
General						X							Leave the lane patterns as they are. Only need left turn arrows at Kuakini and Pauoa

General/ not location specific	Intersection/Location	Parking	Pedestrian	Crosswalks and crossings	Bike Lanes	Traffic & Signals	Roundabout	Sidewalks	Character/ Aesthetics	Speed	Safety	Bus Stops	Comments
General							X				X		Roundabout at a school without traffic control is a safety hazard
General							X						No roundabouts on Nuuanu
General							X						Absolutely no roundabouts on Nuuanu.
General							X						What happens if the roundabout doesn't work out? Can you get rid of it? Put the stop light back?
General							X						Love the 3 roundabouts on Nuuanu
General							X						Need traffic lights synchronized to control flow from Pali Hwy. Do not want roundabouts which are only good for streets with less traffic.
General							X						I would be willing to try roundabouts. Traffic lights are not working.
General							X						No roundabouts w/o traffic study (peak hrs)
General							X						Yes roundabout
General							X						Roundabouts are best practices use them
General							X						No roundabouts
General							X						No roundabouts
General								X					Smoother sidewalks wider
General								X					Smooth sidewalks - roots roads fixed
General													Do not overpave where there's no concrete sidewalk - leave the grassy stretches - for example (you showed) makai of cemetery
General								X	X				Adding trees creates safety hazard and obstruction
General									X				Adding trees to sidewalks becomes obstruction and safety hazard
General									X				Call out trees being kept & eliminated
General									X				Practically everyday emergency vehicles are going up & down Nuuanu. Putting trees would be an impediment especially during peak hours
General									X				Monkeypod trees (and other trees) growing in sidewalks are fine. Utility poles as currently in sidewalks are fine. People can walk around them
General											X		Safety concerns: Swerving to avoid the potholes. Fix the sewer, sidewalks & road pavement first
General												X	Add pull outs on bus stops Liliha & Nuuanu
General													Make Nuuanu and Liliha safe with best practices
	Bates St			X									Very dangerous crosswalk. Speeding in both directions. Parking stalls obstruct views.

General/ not location specific	Intersection/Location	Parking	Pedestrian	Crosswalks and crossings	Bike Lanes	Traffic & Signals	Roundabout	Sidewalks	Character/ Aesthetics	Speed	Safety	Bus Stops	Comments
	Hialoa St, Kauila st			X									Put X-walks on Hialoa & keep Kauila
	Judd					X							Signal would prevent blockage
	Judd						X						Eliminate Judd St roundabout. Bad Idea!!! Will slow traffic back to Pali highway & above; need controlled flow with lights
	Judd					X							Left turn can't onto Judd from Nuuanu town bound
	Judd	X			X		X						More parking, No roundabouts at Judd, no bikelanes
	Judd							X					Need sidewalk on Judd street
	Judd St						X						Prefer light signals to roundabout on Judd/Nuuanu
	Judd st						X						David Niau, a valuable human being would be alive if Judd had roundabout in 2015
	Kuakini St, Pauoa					X							Keep Nuuanu lanes as they are, just put in left arrows/ lights at Kuakini and Pauoa Rd
	Pauoa						X						No roundabout
	Pauoa						X						Roundabout here would be appreciated, esp with through lane coming makai
	Pauoa & Judd	X			X								Cannot lose any of parking between Pauoa Rd & Judd St. Need to keep every spot. We don't need bike lanes.
	Pauoa & Wyllie		X		X								Do not make bike path on Nuuanu between Pauoa & Wyllie. The cement block curbs separate bike lanes from car lanes on Nuuanu will be for pedesrian & will interfere with bus passengers entering & leaving bus
	Pauoa Rd					X							Signal towards Pauoa valley backs up traffic on Pauoa Rd in AM, (PM is ok) (dedicated left)
	Pauoa Rd					X							Put left turn signal
	Pauoa Rd						X						Pauoa at Nuuanu: roundabout without traffic control at a school is a major safety concern
	Robinson St			X									Crosswalk here has faded needs repainting ASAP.
	School St			X									This(ped islands) treatment is very unfriendly for cyclists. It encourages higher speedturns by motorists
	Wyllie						X						Nuuanu/ Wyllie roundabout might not work. Heavy/fast moving traffic coming off Pali hwy

## Nuuanu Avenue (Alternative 2)

General/ not location specific	Intersection/Location	Parking	Pedestrian	Crosswalks and crossings	Bike Lanes	Traffic & Signals	Roundabout	Sidewalks	Character/ Aesthetics	Speed	Safety	Bus Stops	Comments
General		X			X								No bike lane. Keep all parking on Nuuanu
General		X			X								No bike lanes; please keep parking stalls on Nuuanu
General		X			X								Retain parking both sides, give up bike lanes
General		X											Think about having parking-angled
General		X											Keep the parking spaces
General		X											How many parking stalls will be lost?
General		X											Please keep some parking (busy businesses)
General		X											Need to keep every parking space
General		X											Need the parking spaces
General		X											Keep parking stalls on Nuuanu
General				X									Unprotected crosswalks are dangerous, need flashing beacon here or other protection
General				X									Education needed for drivers, bicyclists, pedestrians around crosswalk
General				X									Worn away crosswalks need to be repainted ASAP (ex-Robinson lane)
General					X		X						Bike lanes and roundabouts best practices
General					X		X						Too many "no" comments. There needs to be change. Yes to bike lanes and roundabouts
General					X								Sharrow better than the bike lanes
General					X								Yes to bike lanes. Everyone deserves to be safe
General					X								Nuuanu doesn't need any bike lanes. Plus, if bike lanes are on Liliha, no need for another set 2 blocks away
General					X								No bike lanes
General					X								Protected bikeways
General					X								No bike lanes on Nuuanu
General					X								No bikeway
General					X								No bike lanes usage is too low to justify. Where does this take you to/from?
General					X								2006 charter ammendment, walk-bike friendly
General						X					X		Consider phasing - safety/ traffic management
General						X					X		Consider high traffic of ambulances up & down Nuuanu

General/ not location specific	Intersection/Location	Parking	Pedestrian	Crosswalks and crossings	Bike Lanes	Traffic & Signals	Roundabout	Sidewalks	Character/ Aesthetics	Speed	Safety	Bus Stops	Comments
General						X							Buses stop to hold up traffic
General						X							Only local traffic
General						X							Bottleneck from Pali to Pauoa in the morning
General						X							Removal of lanes will worsen the congestion
General							X						No roundabouts - good! Slows down traffic
General							X						No roundabout
General							X						Roundabout may be good. Much education needed about roundabouts
General									X		X		Concerned about adding trees/ maintenance obstructing lights between Kuakini & Judd. Trees on sidewalks invisibility, only need to maintain green spaces
General									X				Preference for native trees & plants
General									X				Save more trees, sidewalk go around it
General									X				No need for more trees, hides vision
General									X				Need more street light on Nuuanu
General													Why eliminate all walking & biking - driving only! I'm kidding
General													What will be the impact on property taxes and resale value of property
General													Residents are the major stakeholders. Do not want outsiders changing over neighborhood for some design experiments
General													City should fix problems NOW, as they appear, rather than accumulate them into a project like this, making the public wait
	Bates & Judd	X											Need all parking stalls here
	Craigside Pl								X		X		Visibility difficult by Craigside Place
	Craigside Pl	X											Keep parking stalls here
	Craigside Pl & Bates	X											50 cars park between Craigside and Bates esp during events
	Hialoa St												Hialoa Street only room for 1 car at a time but lots of traffic
	Judd					X					X		Cars don't stop turning off Judd onto Nuuanu, on signal

General/ not location specific	Intersection/Location	Parking	Pedestrian	Crosswalks and crossings	Bike Lanes	Traffic & Signals	Roundabout	Sidewalks	Character/ Aesthetics	Speed	Safety	Bus Stops	Comments
	Judd								X				Put a roof on bus benches
	Judd St			X									Needs a curb at corner
	Judd St			X									No need for islands on Judd
	Judd St									X	X		People speed around corner at judd
	Kauila St							X					Will there still be bulk trash pick up? More sidewalk space more rubbish
	Kuakini St	X											This is a busy right turn! Reconsider street parking
	Pauoa					X							Need dedicated left turn signal in AM Pauoa & Nuuanu
	Pauoa			X									Agreed, this is a challenging crosswalk already
	Pauoa					X							Need to extend green light on Pauoa & Booth? Traffic heading east on Pauoa in AM gets backed up past Funchal Street.
	Pauoa					X							Make left turn from Nuuanu to Pauoa a left turn okay on green as well as a dedicated left turn light
	Pauoa					X	X						Adjust traffic signals (after roundabout) - Pauoa Rd
	Pauoa & Judd				X								No bikelane from Pauoa to Judd
	Pauoa, Judd, Kuakini					X							Left turn green arrow at Pauoa, Judd and Kuakini
	School St					X							Don't make left on arrow only from Nuuanu turning left onto School
	School St			X									No refuge island necessary at school, short street
	School St, kuakini St				X								Kuakini, School street is pretty flat; need bike lanes in both directions
	Wyllie St					X			X				Speed bumps from Wyllie to Kuakini
	Wyllie St					X			X				Put speed bumps from Wyllie to Kuakini
	Wyllie St					X							Modify traffic lights to fix Wyllie st back up, people turning left from Pali onto Nuuanu

**MEETING PHOTOS:**





# Nuuanu Ave Proposed Improvements (Altern 1)

Prefer right of way to be removed on Judd/Naunau  
 Yes to bike lanes. Lots of us ride up Nuuanu daily, rain or shine.  
 bike lanes in Nuuanu. too steep and too wet!



Number of Parking spots

School St to Kuakini St	Before	After
WB (toward Makai)	5	20
EB (toward Mauka)	15	0

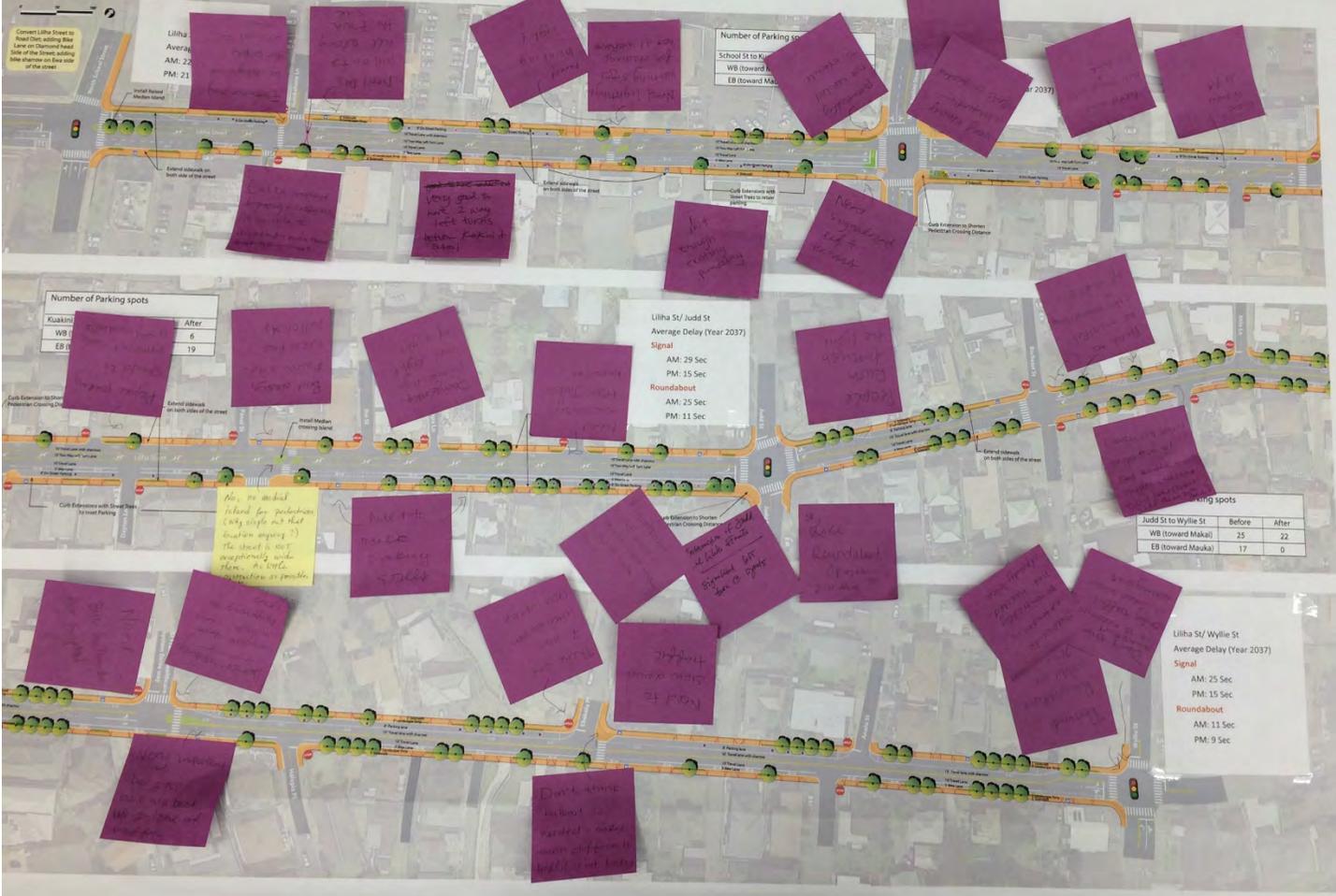
Number of Parking spots

Kuakini St to Judd St	Before	After
WB (toward Makai)	11	7
EB (toward Mauka)	15	12

Number of Parking spots

Judd St to Wylie St	Before	After
WB (toward Makai)	22	23
EB (toward Mauka)	12	11

# Liliha St Proposed Improvements



## Legend:

- Stop Sign
- Existing Bus Stop
- Signalized Intersection
- Roadway (Gray)
- Roadway (Gray) with Crosswalk and Stop Lines (Bold White)
- Sidewalk (Orange) with Driveway (Redlines)
- Bike Lane and Conflict Area (green)
- Tree & Planting Area
- Existing Curb Line
- Retain existing parking spot
- Removed existing parking spot
- New parking spot

Number of Parking spots

Direction	Before	After
Kaunani	6	6
WB	19	19
EB	19	19

Liliha St/ Judd St  
Average Delay (Year 2037)

Signal	AM	PM
Signal	29 Sec	15 Sec
Roundabout	25 Sec	11 Sec

Number of Parking spots

Direction	Before	After
WB (toward Maku)	25	22
EB (toward Mauka)	17	0

Liliha St/ Wylie St  
Average Delay (Year 2037)

Signal	AM	PM
Signal	25 Sec	15 Sec
Roundabout	11 Sec	9 Sec

# APPENDIX

## Complete Streets Liliha Nuuanu Community Meeting Presentation

December 12, 2017, 6:00pm-8:00pm



# Honolulu / LILIHA & NUUANU COMPLETE STREETS

## Community Meeting

December 12, 2017

Mae Mae Elementary School Cafeteria, 6:00-8:00 pm



### Today's Agenda

- 1) Welcome & Introductions
- 2) Complete Streets & Project Overview
- 3) Preliminary Findings & Concepts
  - Q&A
- 4) Map Exercise: Issues, Ideas, and Solutions
- 5) Debrief & Wrap-up



Honolulu / LILIHA & NUUANU  
COMPLETE STREETS



*Honolulu* LILIHA & NUUANU  
COMPLETE STREETS

# 01 Complete Streets Program Overview

Melissa White, SSFM International

## What Are Complete Streets?

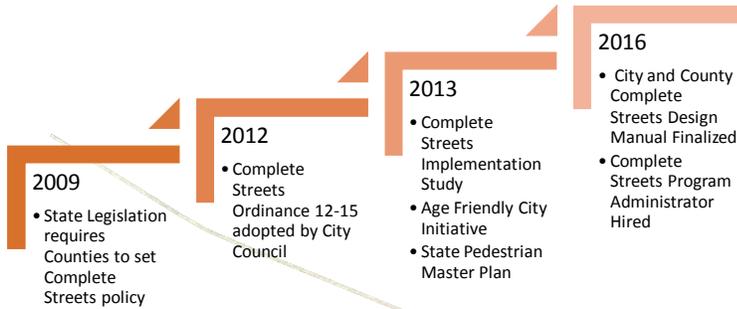
- Safe and accessible for people of all ages and abilities
- Accommodating to all modes, including foot, bicycle, transit, and automobile
- Integrated with the community's vision and sense of place
- Supportive of:
  - Community health
  - Equity
  - Sustainability
  - Economic Development



*Honolulu* LILIHA & NUUANU  
COMPLETE STREETS

# Honolulu's Complete Streets Commitment

## Policy, Planning, and Initiatives: 2009-2016



**2017 Planning**

- Oahu Bike Plan Update
- Oahu Pedestrian Plan

**Initiatives**

- Bike Network 2020
- Bike Share



**Implementation**

- South Street Protected Bike Lane
- McCully Street Bike Lanes
- Kamehameha IV Road Diet
- Downtown/Chinatown Complete Streets

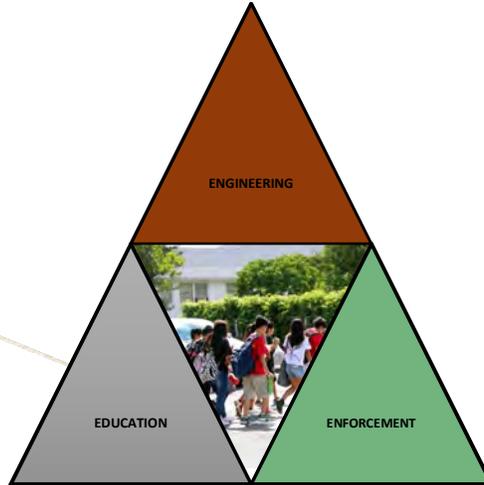


## The Opportunity: Urban Honolulu is Transforming

- ✓ Rail
- ✓ Transit Oriented Development
- ✓ Housing Crisis
- ✓ Increased Density
- ✓ Infrastructure Improvements
- ✓ Bike Share



# The Solutions: The Three E's of Complete Streets



*Honolulu* / LILIHA & NUUANU  
**COMPLETE STREETS**

Current Projects

[www.honolulu.gov/completestreets](http://www.honolulu.gov/completestreets)

*Honolulu* / URBAN CORE  
**COMPLETE STREETS**



## 02 Nuuanu/Liliha Complete Streets

Melissa White, SSFM International

### Project Overview

- Project Area:
  - Nuuanu Ave. between School St. and Pali Hwy.
  - Liliha St. between School St. and Wyllie St.
- Project streets will be looked at both individually and as a network
- Prior efforts will be acknowledged and built upon



*Henehiku* / LILIHA & NUUANU  
COMPLETE STREETS

## Project Purpose

To leverage planned roadway rehabilitation projects to identify and implement solutions that make the area more safe, inviting, and accommodating to all users.

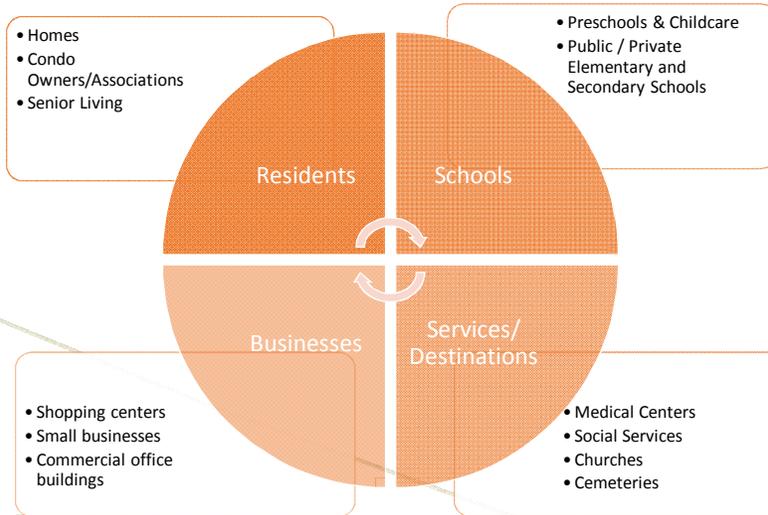
- Community input is critical to identifying design solutions and priorities
- Data enhances the understanding of needs and development of solutions
- Solutions focus on those that can be implemented in a reasonable timeframe



## Project Tasks



## Getting the Word out: Stakeholders



*Honolulu* / LILIHA & NUUANU  
**COMPLETE STREETS**

## Project Advisory Group



- Schools**
  - Hawaii Baptist Academy
  - Kawanakoa Middle School
- Social Services**
  - Hoopono Service for the Blind
  - Lanakila Pacific
  - We are Oceania
- Community Representatives**
  - Nuuanu Neighborhood Security Watch
  - Senior Population
  - Craigside residents
  - Nuuanu and Liliha Residents
- Neighborhood Boards**
  - Nuuanu Neighborhood Board
  - Liliha Neighborhood Board
- Businesses & Medical Centers**
  - Kuakini Medical Center
  - St. Francis
  - Finance Factors
  - Rehabilitation Hospital of the Pacific

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**COMPLETE STREETS**

# Walking Audits: September 6, 2017

Participants: Representatives of 16 Community Organizations



5. Comments - At Liliha segment mauka of School:

Negative features*	Positive features*
<ul style="list-style-type: none"> <li>- Crazy left turn</li> <li>- Bad access into corner shopping</li> <li>- Abandoned stores, feels like it's dying, not active</li> <li>- Abandoned stores, need parking</li> <li>- No parking</li> <li>- A lot of traffic turning from Kuakini to Nuuanu</li> <li>- A lot of driveways</li> <li>- Parked cars encroach on sidewalk</li> <li>- No curb</li> </ul>	<ul style="list-style-type: none"> <li>+ Awnings</li> <li>+ Variety of businesses/ destinations</li> </ul>

## Honolulu / LILIHA & NUUANU COMPLETE STREETS

# Stakeholder Outreach

### Meetings & Correspondence with Elected Officials

- Councilmembers Fukunaga, Manahan
- Representative Ohno
- Representative Luke
- Senator Rhoads
- Former Senator Chun Oakland



### Neighborhood Board Presentations

- Nuuanu/Punchbowl No. 12 (May & November)
- Liliha No. 14 (May & November)



### Meetings with Community Organizations

- Kawanakoa Middle School (11/3)
- Hoopono Services for the Blind (11/21)
- Lanakila Senior Center (11/1)
- Lunch and Learn with Churches/Preschools (12/5)
- Nu'uano Condo Associations & Owners Meeting (12/5)



## Honolulu / LILIHA & NUUANU COMPLETE STREETS

## Business Outreach

### Liliha Street

Business or Building
McDonald's Liliha
Vapors Paradise
Jay's Café
New Mui Kwai Restaurant
Chinese Lutheran Church of HNL
Liliha Bakery
Longs Pharmacy
Kongko Mission Church
Honolulu MED Spa
Foodland
Jalea
Always Flowers
Naka Travel
State Farm
Kuakini Medical and Dental FCU
Cyber Life PC
Creations By You
Finance Factors

### Nuuanu Avenue

Business or Building
Nuuanu Shopping Plaza / Starbucks
Walgreens
Nuuanu Laundry
7/11 Nuuanu – both locations
Bangkok Chef
Aloha Sushi Nuuanu
Tohoku Travel Service
Yagura Restaurant
L&L Hawaiian BBQ



## Getting the Word out: Community Meetings

This is the first community meeting for the project, to share preliminary concepts.

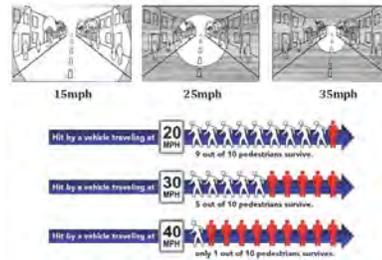
A second community meeting will be held in the spring of 2018 to share the revised designs and describe how input informed the revisions



### Complete Streets Solutions: Design/Target Speed

A goal of complete streets is to establish a target speed that creates a safe environment for motorists, people on foot, and people on bicycles. Streets should be designed for the target speed, which aims for the desired speed at which we want motorists to operate.

Target speed should be based on the street context and typology. Most City streets should be designed to a target speed that does not exceed 25 mph.



Nuuanu Avenue



Liliha Street

*Honolulu* / LILIHA & NUUANU  
**COMPLETE** STREETS

### Complete Streets Solutions: Roadway Design



Before



After

*Honolulu* / LILIHA & NUUANU  
**COMPLETE** STREETS

## Complete Streets Solutions: Road Diets

### WHY Road Diet?

- **Improved Safety**

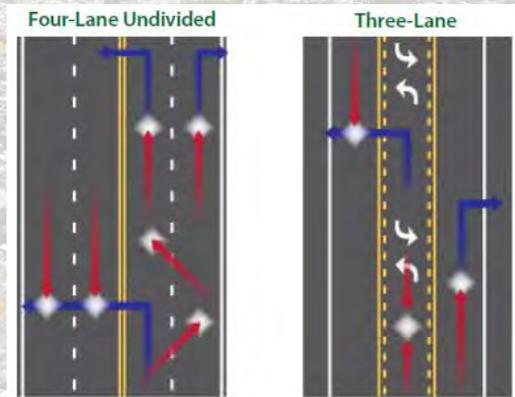
Road Diets reduce vehicle-to-vehicle conflicts that contribute to rear-end, left-turn, and sideswipe crashes

- **Operational Benefits**

1. **Separating Left Turns.** Separating left-turning traffic has been shown to reduce delays at signalized intersections.
2. **Side-street Traffic Crossing.** Side-street traffic can more comfortably enter the mainline roadway because there are fewer lanes to cross. This can reduce side-street delay.
3. **Speed Differential Reductions.** The reduction of speed differential due to a Road Diet provides more consistent traffic flow and less "accordion-style" slow-and-go operations along the corridor

- **Pedestrian and Bicyclist Benefits**

The space released by removing one lane can be converted to other uses such as bike lanes, sidewalk extensions and/or wider vehicle lanes

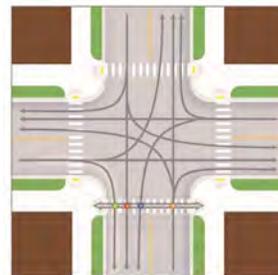


Mid-Block Conflict Points for Four-Lane Undivided Roadway and Three-Lane Cross Section

## Complete Streets Solutions: Roundabouts

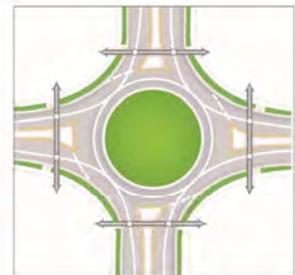


Single Lane Roundabout



- Right turn on green conflict
- Right left turning conflict
- Left turn on green conflict
- Right left running or right turn on red conflict

Conventional Intersection  
16 Conflict Points



- Vehicle/Pedestrian Conflicts

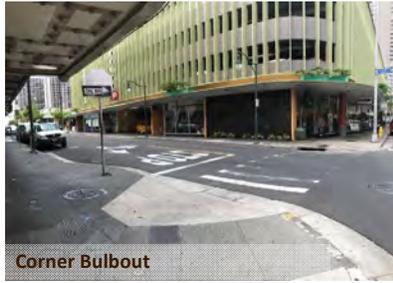
Roundabout  
8 Conflict Points



### Complete Streets Solutions: Pedestrian Safety



Rapid Flashing Beacons



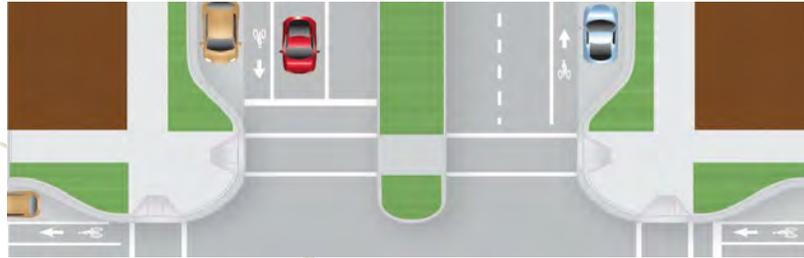
Corner Bulbout



All-Way Pedestrian Crossing



Raised Crossing with Landscaped Median



# Honolulu / LILIHA & NUUANU COMPLETE STREETS

### Complete Streets Solutions: Bikeways



Two-Way Protected Bike Lane



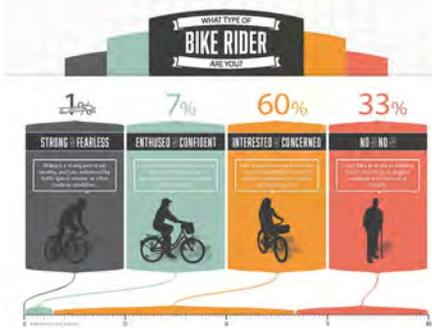
Bike Lane and Box



Bike Lane



Bike Boulevard



# Honolulu / LILIHA & NUUANU COMPLETE STREETS

### Complete Streets Solutions: Streetscape



Planters and Rain Garden



Bus Stop Amenities



Street Trees



Parklet

# Honolulu / LILIHA & NUUANU COMPLETE STREETS

## Honolulu / LILIHA & NUUANU COMPLETE STREETS

# 03 Preliminary Findings & Draft Concepts

Sue LeBrun, SSFM International

## Previous Efforts

- I Love Liliha Survey (2013)
- Walk Audit with Dan Burden (2013)
- Liliha Pedestrian/Traffic Safety Concerns “Complete Streets” Survey (2013)
- Liliha and Nuuanu Neighborhood Board Joint Solutions Meeting (2015)



09/16/2014 Liliha –Nuuanu Walk Audit with Dan Burden

## Previous Studies

- Honolulu Complete Streets Implementation Study (2015)  
 Location Report: **Nuuanu Avenue from Kuakini Street to Craigside Place**  
**Liliha Street from School Street to Kuakini Street**

Liliha Pedestrian/Traffic Safety Concerns  
 “Complete Streets” Survey • 8/25/13 to 10/15/13 Responses

	Strongly Agree	Agree	Disagree	Strongly Disagree
1. The streets and sidewalks in my neighborhood are safe for pedestrians.	11	71	64	23
2. The bus stops in my neighborhood are convenient and in a safe location.	28	116	18	6
3. Speeding is a problem in my neighborhood.	57	79	26	6
4. On-street parking in my neighborhood poses hazards to crossing the street.	51	68	47	7
5. Traffic congestion is a problem in my neighborhood.	44	75	41	5
6. Do the locations of schools, hospitals and parks in our neighborhood contribute to hazardous traffic conditions and increased traffic? If so, which are the most hazardous locations associated with individual facilities and why?  <i>Respondents believe that schools and hospitals contribute to hazardous traffic conditions to the extent that the mix of drivers and pedestrians occurs at dangerous locations. Respondents also note that pedestrian jaywalking and on-street parking on Nuuanu Avenue contribute to hazardous conditions.</i>				
7. What times of day, or days of the week are the most hazardous? For example, is morning rush-hour traffic more hazardous for pedestrians than afternoon rush-hour traffic? What are the most dangerous intersections?  <i>Respondents reported that morning rush-hour traffic is the most hazardous time for pedestrians, particularly in the Nuuanu-Kuakini, Liliha-Kuakini, Liliha-Judd and Liliha-School Streets intersections.</i>				
8. Which streets/intersections have the greatest amount of non-district traffic from freeways or other major thoroughfares?  <i>Respondents identified the Kuakini/Liliha Streets intersection and Kuakini Street/Nuuanu Avenue intersection as carrying the most non-district traffic, followed by the Nuuanu Avenue/School Street intersection and Vineyard Boulevard.</i>				

MAY 2015

HONOLULU COMPLETE STREETS IMPLEMENTATION STUDY LOCATION REPORT

Nuuanu Avenue from Kuakini Street to Craigside Place (FINAL)

City & County of Honolulu  
Department of Transportation Services

Prepared by  
**SSFM**  
SUSTAINABLE STREET FUTURE MOVEMENTS

With  
Mia Ojima  
Rajesh Singhania  
Gregg Tellez-Andrade

MAY 2015

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## What We've Heard: Community Input

	Ped Safety	Traffic Mgmt	Parking	Bicycle Safety	Transit	Character
<b>EVERYONE</b> <ul style="list-style-type: none"> <li>• Sentimental attachment to the traditional old feel of the neighborhood.</li> <li>• Concern about "cut through" traffic from other areas.</li> </ul>		X				X
<b>Schools</b> <ul style="list-style-type: none"> <li>• Safety for students walking.</li> <li>• Traffic flow during drop-off and pick-up hours.</li> <li>• Parking during school events.</li> </ul>	X	X	X			
<b>Social Services</b> <ul style="list-style-type: none"> <li>• Pedestrian safety for elderly and visually impaired users, on sidewalks and at crossings.</li> <li>• Transit access.</li> </ul>	X				X	
<b>Businesses</b> <ul style="list-style-type: none"> <li>• Availability of street parking for customers.</li> <li>• Revitalization and beautification of Liliha Street.</li> <li>• Need for employee parking.</li> </ul>			X			X
<b>Medical Centers</b> <ul style="list-style-type: none"> <li>• Pedestrian safety for patients, some of whom are mobility challenged.</li> <li>• Need for traffic calming.</li> </ul>	X	X				

**Honolulu** / LILIHA & NUUANU  
**COMPLETE** STREETS

## What We've Heard: Community Input

	Ped Safety	Traffic Mgmt	Parking	Bicycle Safety	Transit	Character
<b>Neighborhood Boards</b> <ul style="list-style-type: none"> <li>• Support for multimodal improvements and bike lanes on Liliha Street.</li> <li>• Concern about removing street parking on Nuuanu.</li> <li>• Prioritize pedestrian and traffic flow improvements on Nuuanu.</li> <li>• Retain the large tree on the Nuuanu Stream bridge, route the sidewalk around it.</li> <li>• Coordinate planned road work to minimize traffic impacts.</li> </ul>	X	X	X	X		X
<b>Senior Population</b> <ul style="list-style-type: none"> <li>• Safer crossings with beacons or signals.</li> <li>• Crossings and bus stops conveniently located.</li> <li>• Improve sidewalk quality, remove obstructions.</li> <li>• Homeless population under bridge on Nuuanu. Area is dark and unsafe at night.</li> </ul>	X				X	X
<b>Condominium Associations</b> <ul style="list-style-type: none"> <li>• Retain street parking.</li> <li>• Some buildings do not provide visitor parking or loading areas on site.</li> <li>• Retain access by emergency vehicles.</li> <li>• Address morning peak-hour traffic congestion.</li> </ul>		X	X			
<b>Other Residents</b> <ul style="list-style-type: none"> <li>• Address speeding during off-peak hours.</li> <li>• Lanes too narrow for buses in some places.</li> <li>• Need wide and consistent sidewalks with more buffer from cars.</li> <li>• Improve visibility of intersections and slow turning cars.</li> <li>• Provide more shade, especially on Liliha.</li> <li>• Biking is dangerous, would be improved by a lane or route.</li> <li>• Bring bike share to business zones and around condos.</li> <li>• Address visibility hazards created by on-street parking.</li> </ul>	X	X	X	X	X	X

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# Liliha Street Preliminary Findings & Draft Concepts

## Issues & Concerns



Degraded sidewalks with uneven pavement



Narrow Sidewalks

Encroachment by walls and fences



Utility and sign poles take up already limited sidewalk space

Changing materials and varied textures

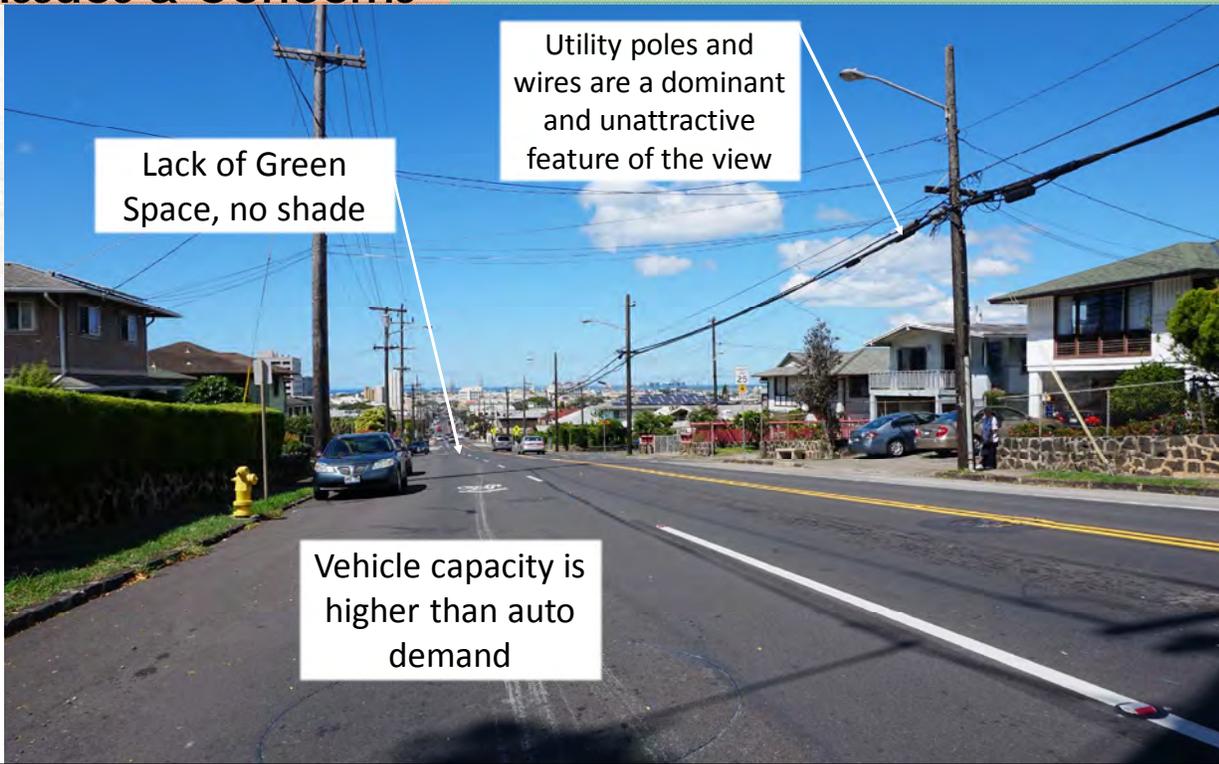
## Issues & Concerns



## Issues & Concerns



## Issues & Concerns



## Issues & Concerns



## Issues & Concerns



## Issues & Concerns

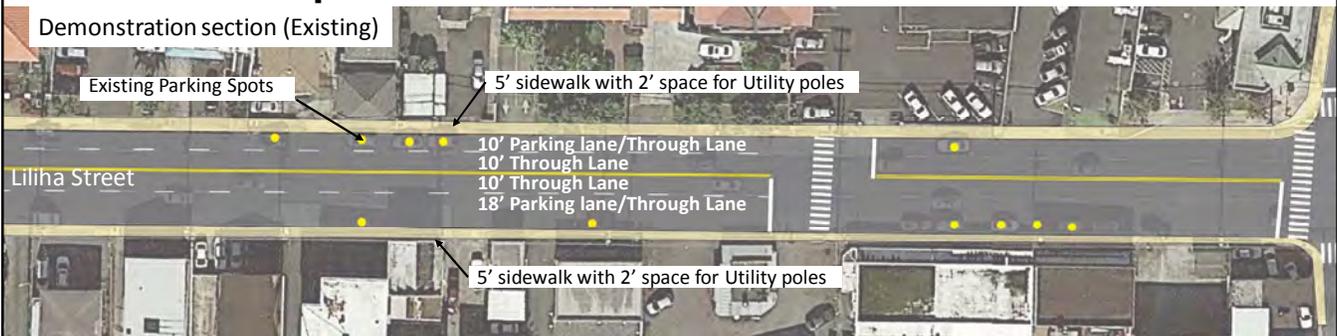


## Issues & Concerns



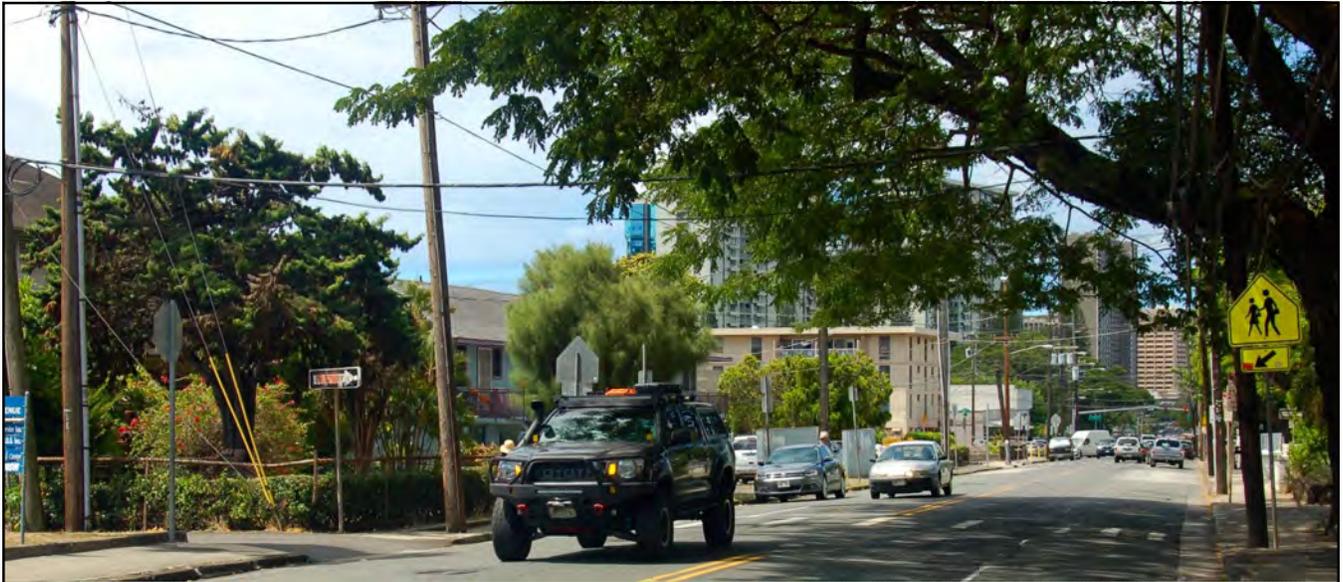
## Draft Concepts

### Demonstration section (Existing)



### Demonstration section (Proposed)





# Nuuanu Avenue Preliminary Findings & Draft Concepts

## Issues & Concerns



Sidewalks are blocked by trees and other obstructions



## Issues & Concerns



Multi-lane mid-block street crossings need safety enhancements

## Issues & Concerns



On street parking impedes sightlines for vehicles exiting Craigside Place

On street parking is in demand

## Issues & Concerns



## Issues & Concerns

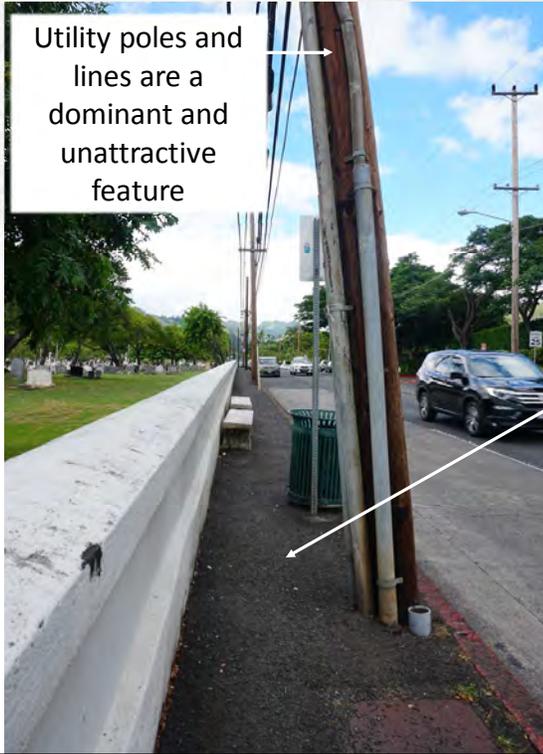


Bicyclists  
sometime use the  
sidewalk.

Lack of bike  
facilities, two  
crashes occurred  
2014-2016, one  
fatal and one  
serious injury

## Issues & Concerns

Utility poles and lines are a dominant and unattractive feature



Sidewalks, especially at the Mauka end, are narrow, missing in long segments

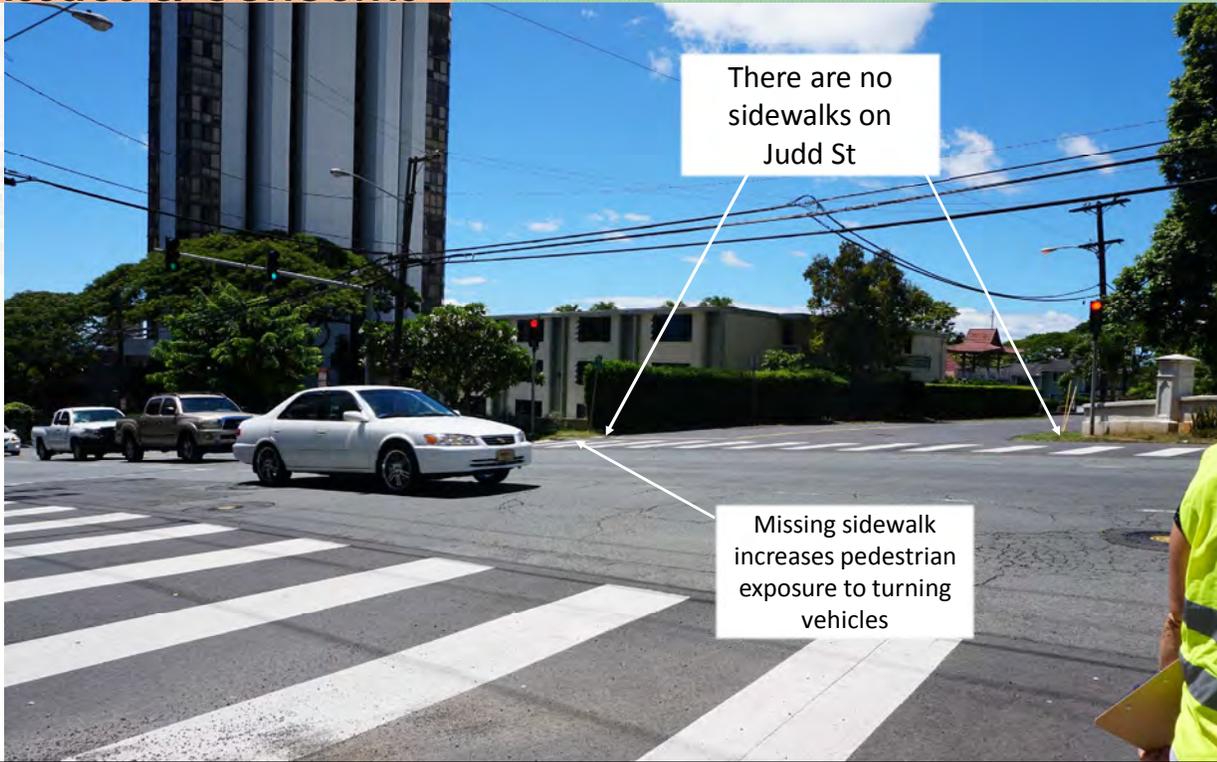


## Issues & Concerns

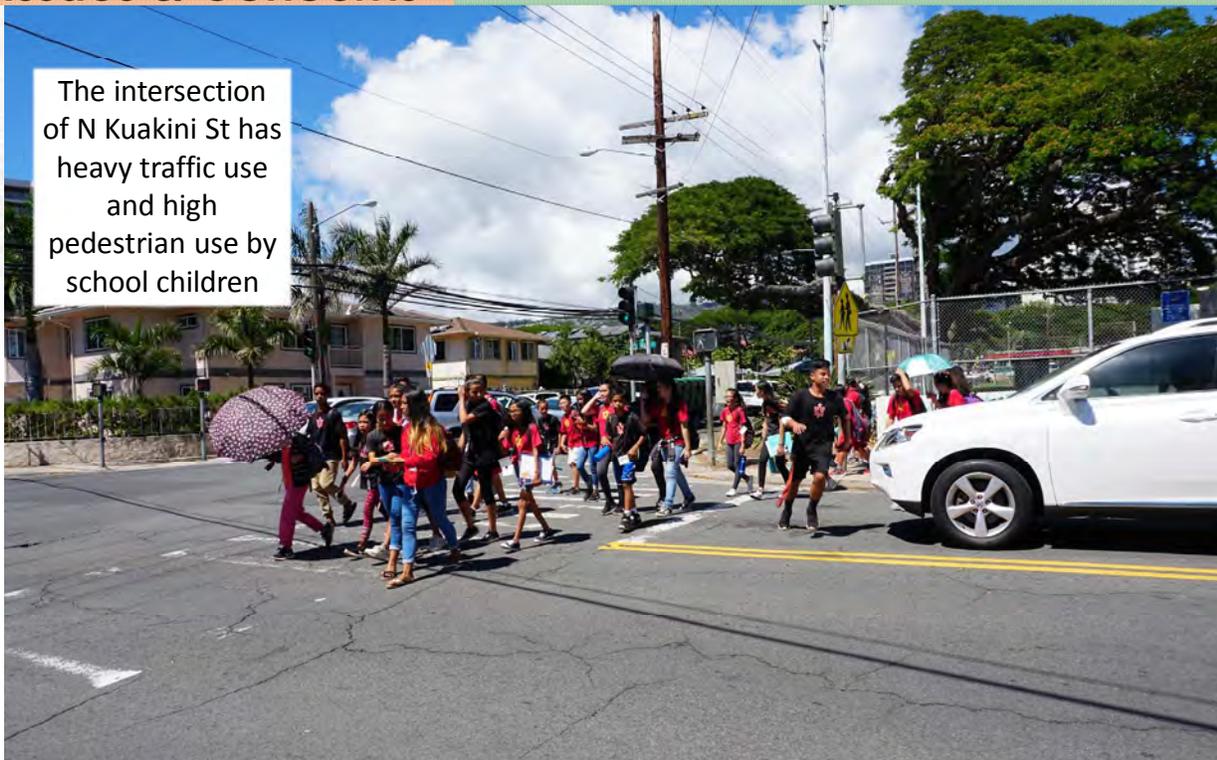
Judd Road is misaligned



## Issues & Concerns



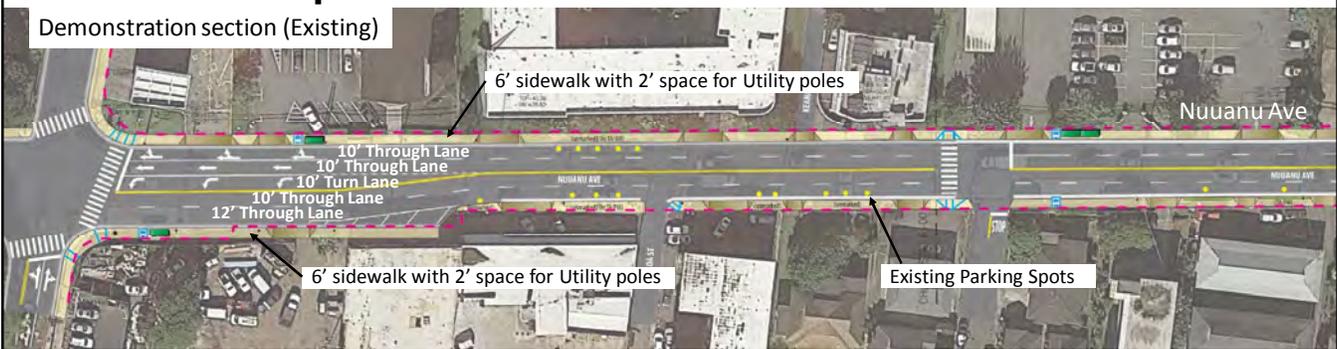
## Issues & Concerns



# Draft Concepts

## School St to Kuakini St

### Demonstration section (Existing)



### Demonstration section (Proposed)



# Draft Concepts

## Intersection alternatives

### Alternative 1 (Roundabouts)



### Alternative 2 (Signalized intersections)



# Questions?

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## 04 Map Exercise: Issues, Ideas, & Solutions

## IDEAS/ISSUES/SOLUTIONS EXERCISE: How it Works

- Your input on **Issues** & **Ideas** about getting around the project streets will be recorded using dots placed on the aerial map
- Your input on **Solutions** being considered for the project streets will be recorded using post-it notes placed on the Concept drawings.



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**05** De-Brief and Wrap-up

## Next Steps

Tasks and Timeline		TASK 1	TASK 2	TASK 3
		Data Collection & Multimodal Assessment	Community Engagement	Environmental Review and 30% Design Plans
2017	MAY		• Neighborhood Boards Announcement	
	JUNE/JULY	• Data collection		
	AUGUST		• Advisory Group Formation	
	SEPTEMBER		• Stakeholder Outreach and Walking Audits	
	OCTOBER	• Draft Multimodal Assessment		• Draft Design Concepts
2018	NOVEMBER		• Neighborhood Boards Presentations	
	DECEMBER		• Community Meeting 1	
	JANUARY	• Final Multimodal Assessment		• Revised Conceptual Designs
	FEBRUARY		• Community Meeting 2	
	MARCH			
	APRIL			• Environmental Approvals and 30% Design Plans

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## Stay Involved

### HELP SPREAD THE WORD

- Share the project fact sheet with your network
- Encourage people to visit the website & join the mailing list at [www.honolulu.gov/completestreets/Liliha-nuuanu](http://www.honolulu.gov/completestreets/Liliha-nuuanu)

### SEND US YOUR COMMENTS

[completestreets@honolulu.gov](mailto:completestreets@honolulu.gov)

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# MAHALO

## CONTACT INFORMATION

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