

Aloha!

Thank you for taking the time to meet with the City and County of Honolulu Complete Streets team to share your thoughts on the roadway safety concepts for N. King Street, Waiakamilo Road/Houghtailing Street, and School and Middle Streets.

We will review the proposed design changes with you, sharing the design tradeoffs we faced and our team's recommended solutions.

We seek your feedback and comments on the proposed solutions.

Mahalo for your participation!



Introductions – The Team

- City and County of Honolulu, Department of Transportation Services
 - Renee Espiau
 - Daniel Alexander
- Nelson\Nygaard
 - Drusilla van Hengel
 - Michael Riebe
- PBR HAWAII
 - Catie Cullison
 - Theresa Dean
- Austin Tsutsumi & Associates













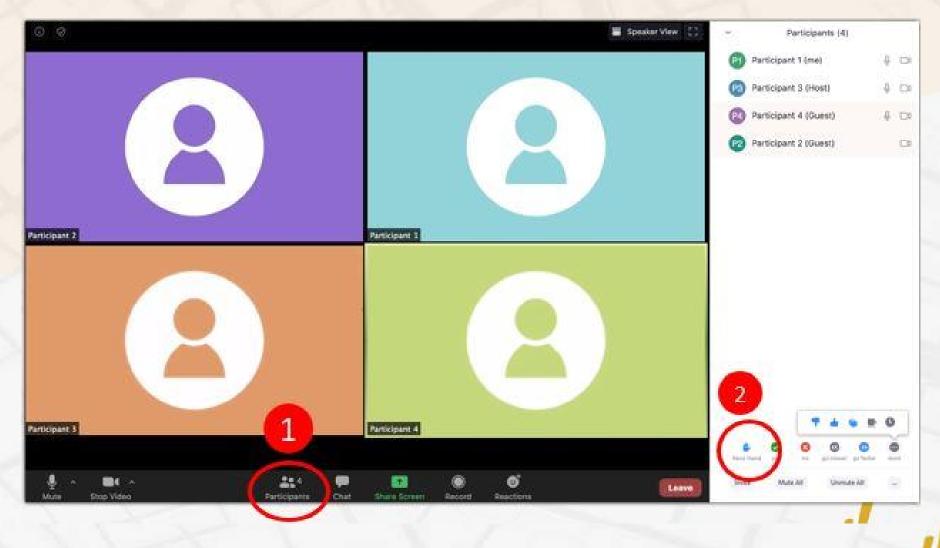


"Netiquette"

- This meeting will be recorded
- You will be muted upon entry to today's meeting for sound quality.
 Please do not unmute yourself until the presenter has called on you to speak.
- Your questions are welcome! Please feel free to use the "Raise Hand" function to be recognized.
- Impersonating or mocking people or institutions are not allowed.
 Neither are blatantly false statements or foul language.
 Participants who engage in this behavior will be removed.



HOW TO "RAISE HAND" - COMPUTER



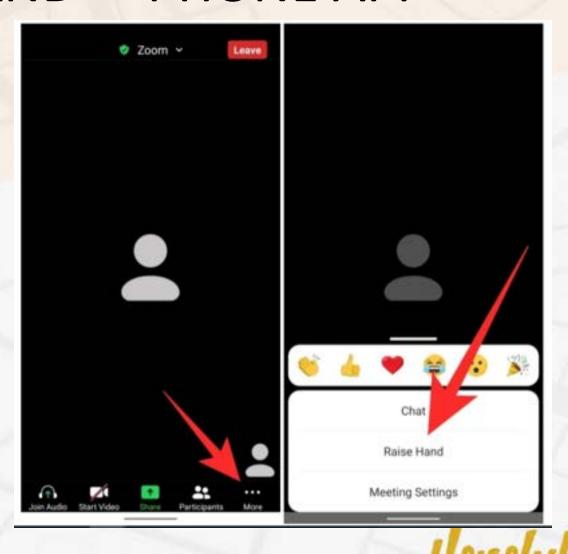


HOW TO "RAISE HAND" - PHONE APP

If toolbar not visible: tap screen to toggle on

2.Choose ...More

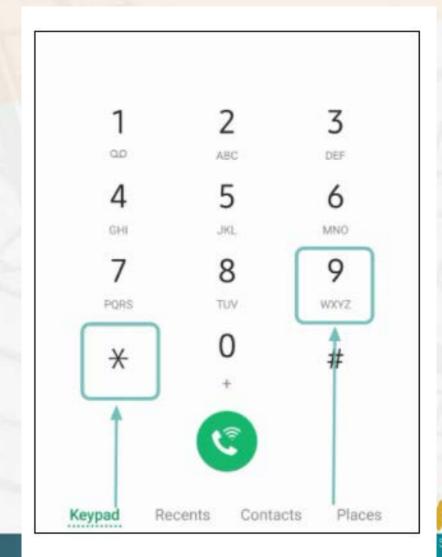
3.Click "raise hand"





HOW TO "RAISE HAND" - CALL

- 1.Open phone dial pad
- 2. Dial *9 to "raise hand"
- 3. Dial *9 again to "lower"





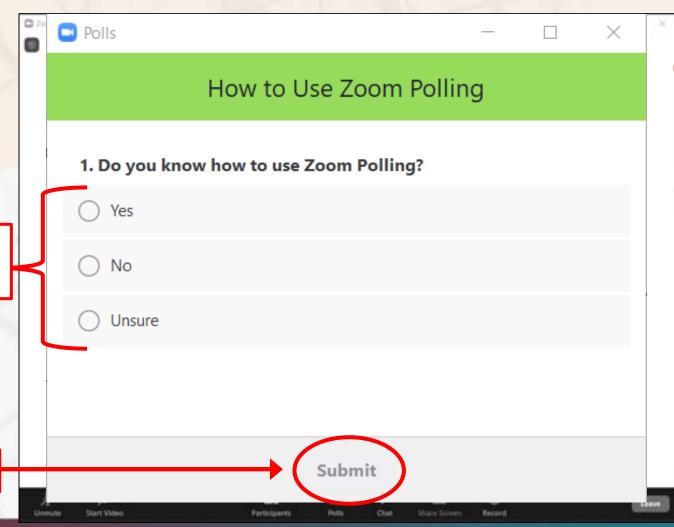
ZOOM Housekeeping Polling

When we open the Zoom Poll, a pop-up box will appear on your screen. Then please follow steps 1 through 3.

When the poll closes, we will share the responses with the group.

Choose your response

2 Click submit



If you choose
'Other' or if you
wish to clarify
your answer,
please submit
your thoughts in
the chat





Practice/Warm Up Poll (poll #1)

Question: How would you like to get around Kalihi?

- a. Walk
- b. Bike
- c. TheBus or TheHandi-Van
- d. Roll in a scooter, wheelchair, or other means
- e. Drive (or ride as a passenger) in a car
- f. Skateboard, one-wheel, or Segway
- g. Some other way



Meeting Agenda

- Complete Streets Overview
- Introduction to Roadway Safety Design Tools
- Proposed Designs for Major Corridors:
 - North King Street
 - Waiakamilo Road / Houghtailing Street
 - School Street / Middle Street
- Breakout Room Discussion #1 (20 minutes)
- Breakout Room Discussion #2 (20 minutes)
- Next Steps



Meeting Objectives

- Share how community input and roadway data informed the safety proposals
- Describe what is proposed along the Kalihi corridors
- Hear your input on the proposed plans



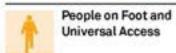
Introduction What are "Complete Streets"?

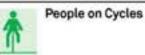
Complete Streets (ROH 14-33) is a transportation approach that provides safe facilities for people of all ages and abilities whether they are walking, using a wheelchair, on a bike, riding transit, or in a car.

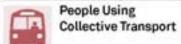


Introduction What are "Complete Streets"?

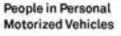














People Moving Goods and City Services











Kalihi Complete Streets Project Schedule







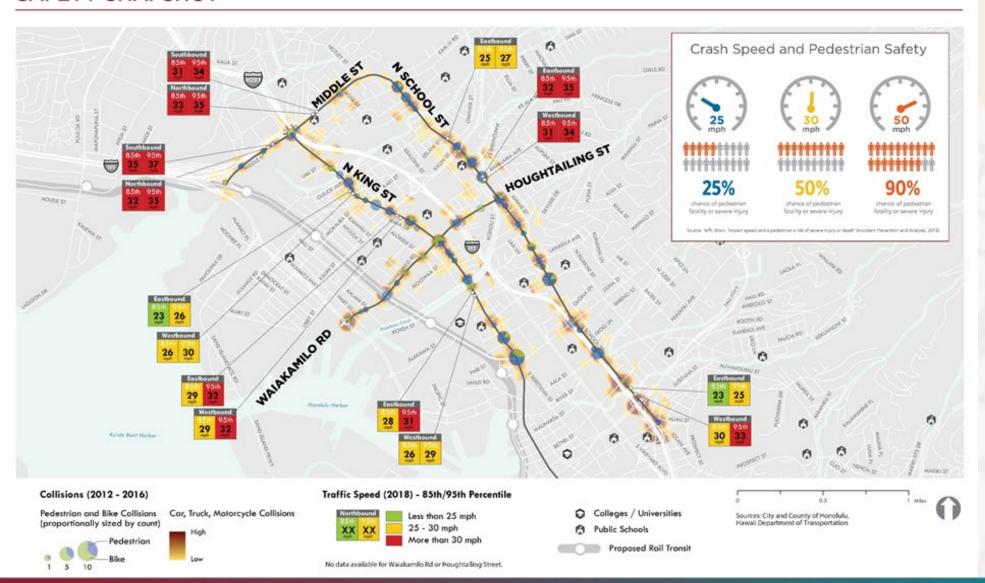
Existing
Pedestrian
Safety
Problems



Honolulu COMPLETESTREETS



SAFETY SNAPSHOT









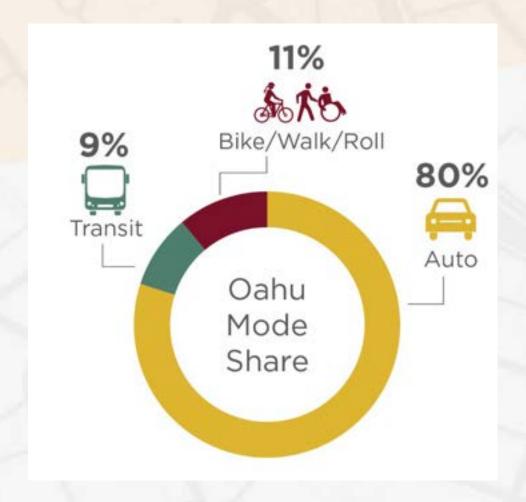
Upcoming
Improvement Richard Lane/
North King Street







Getting Around Kalihi Area

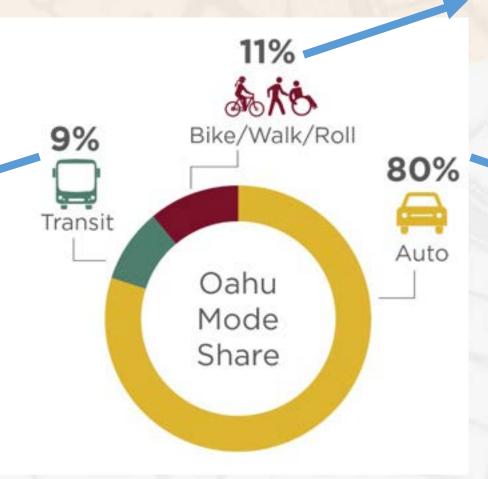




Getting Around Kalihi Area

Kalihi:

6% - 41%



Kalihi:

6% - 24%

Kalihi:

48% - 87%

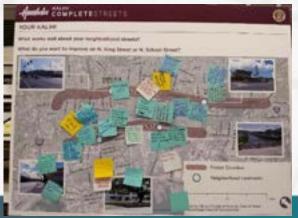




Community Engagement

- Community events
- Community Workshop #1 (2019)
- Web-mapping and online comments
- Stakeholder meetings
- Three Community Advisory Committee Meetings









Outreach Summary – This is what we have heard

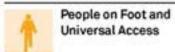
- Concern for pedestrian safety, specifically related to elderly and youth
- Need for better bike facilities
- Support for added street trees for shade and comfort
- Need safe networks that connect Kalihi to Downtown and nearby neighborhoods
- Consider rail access and mauka-makai corridors
- Improvements should accommodate emergency access
- Small businesses are a critical component of Kalihi's community fabric



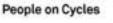


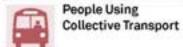
Complete Streets Tools













People in Personal Motorized Vehicles



People Moving Goods and City Services



PEDESTRIAN IMPROVEMENTS

- Crosswalk enhancements
- Curb extensions
- Sidewalks
- Lighting
- Trees and vegetation
- Transit stop improvements





Design Elements Enhanced Crossings – Pedestrian Refuge Islands



North King Street at Morris Lane







Design Elements Enhanced Crossings – Rectangular Rapid Flashing Beacons







Design Elements Enhanced Crossings – Raised Crosswalk

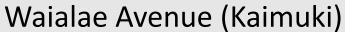






Design Elements Enhanced Crossings – Curb Extensions









Design Elements Enhanced Crossings – Curb Extensions





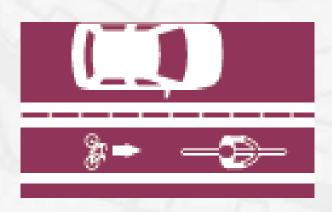






Design Elements Bikeways - Protected Bike Lane

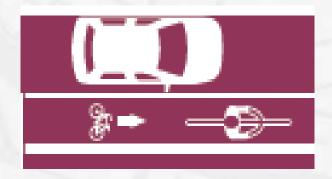






Design Elements Bikeways - Bike Lane







Design Elements Roadway Reconfiguration - Road Diets



Improving Bike Facilities



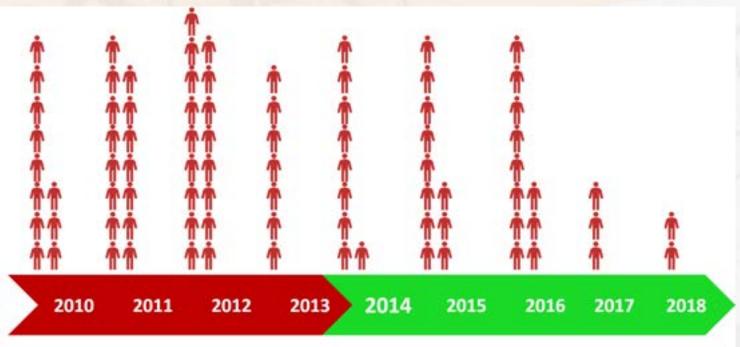






Bike Facility Benefits Beyond Bicyclists





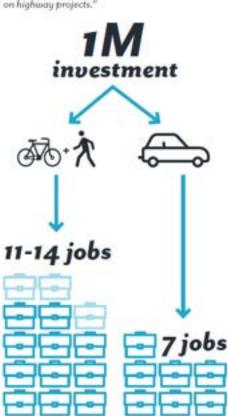
Pedestrian-Motor Vehicle Crashes on King Street - EMS attended Before and After Protected Bike Lane (2014)



Bike Facilities Benefits Beyond Bicyclists

Bike projects create more jobs.

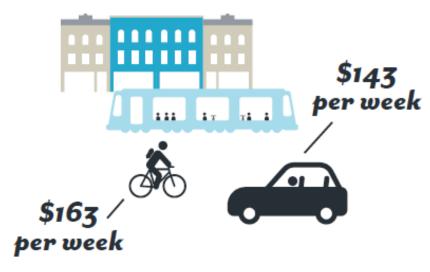
Bicycling and walking projects create tt-14 jobs pers \$1M spent, versus only 7 jobs per \$1M spent on highway projects."





Cyclists spend more on local retail.

People on bicycles spend more on local retail per week than other modes: \$163 per week compared to \$143 per week.¹⁴







How do complete street improvements support small business?



- Lower cost transportation options retain employees.
- Supports local access for people dependent on walking, biking and transit.



Adding Complete Streets Elements

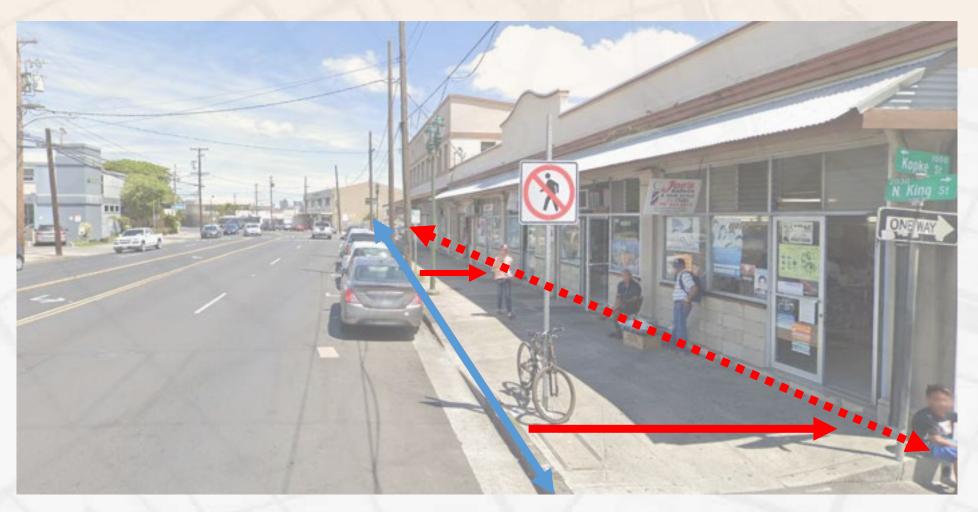
1. Widen road

2. Remove or repurpose car/bus travel lanes

- 3. Narrow vehicle travel lanes or use available excess space
- 4. Reconsider on-street parking



1. Widen Road





2. Remove full corridor car/bus travel lanes

Kamehameha IV Road Before



Kamehameha IV Road After



North King Street



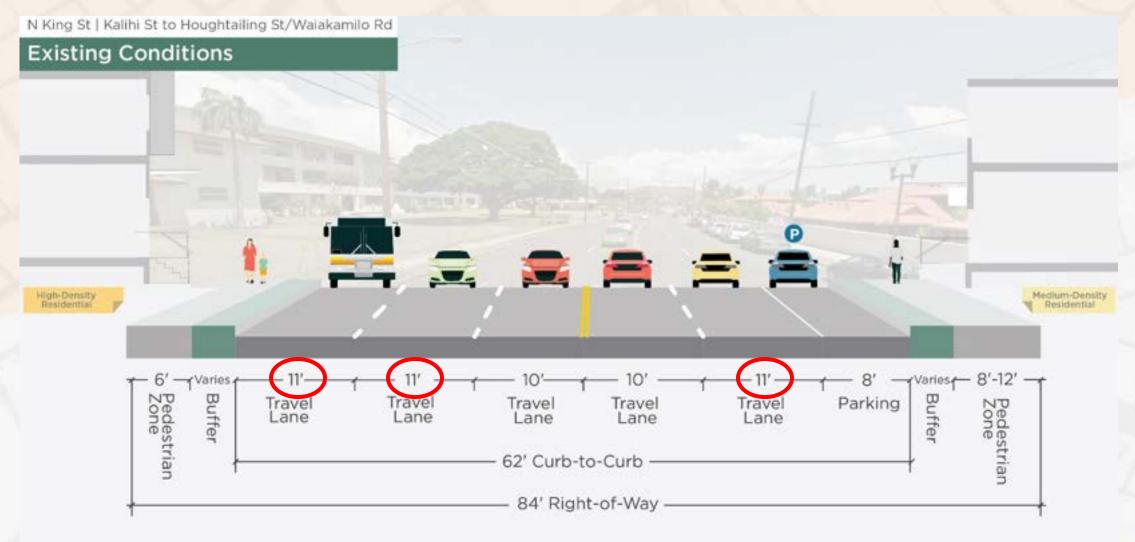
North School Street







3. Reduce vehicle travel lane widths



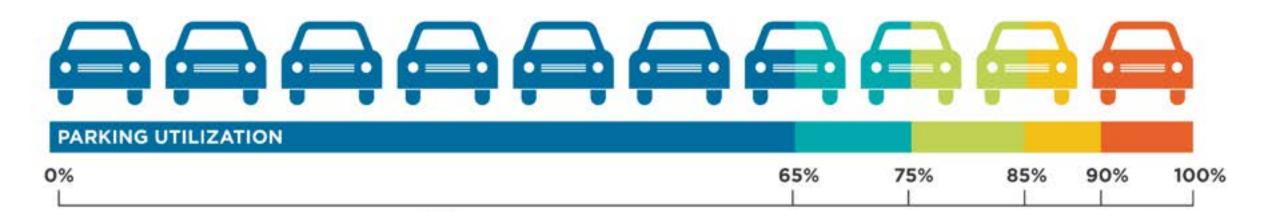




4. Reconsider on-street parking

- Included evaluation of occupancy and turnover
- While occupancy is high overnight, turnover is low during the day
- Focusing on parking supporting businesses

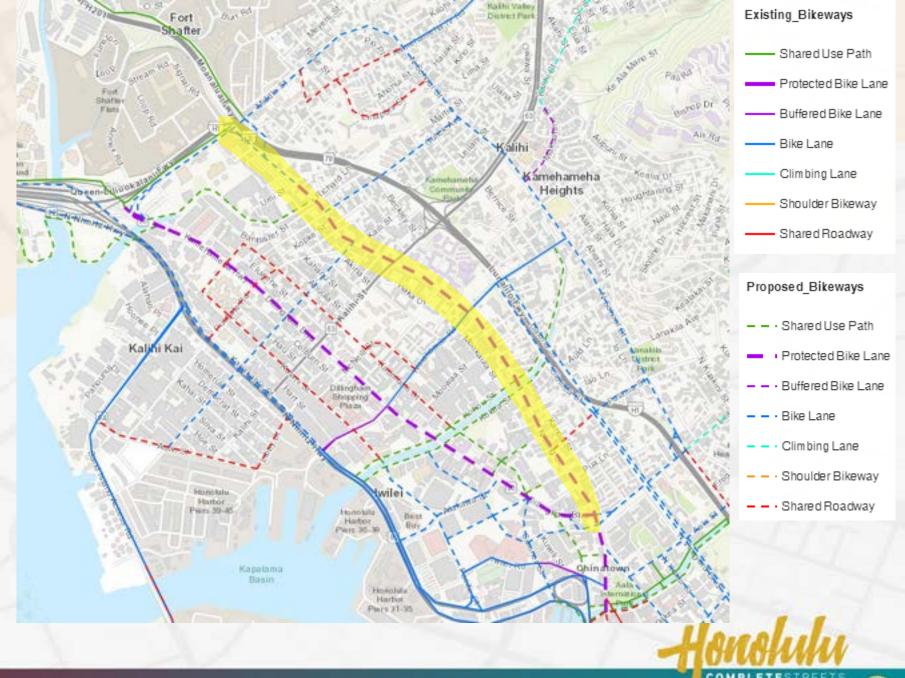






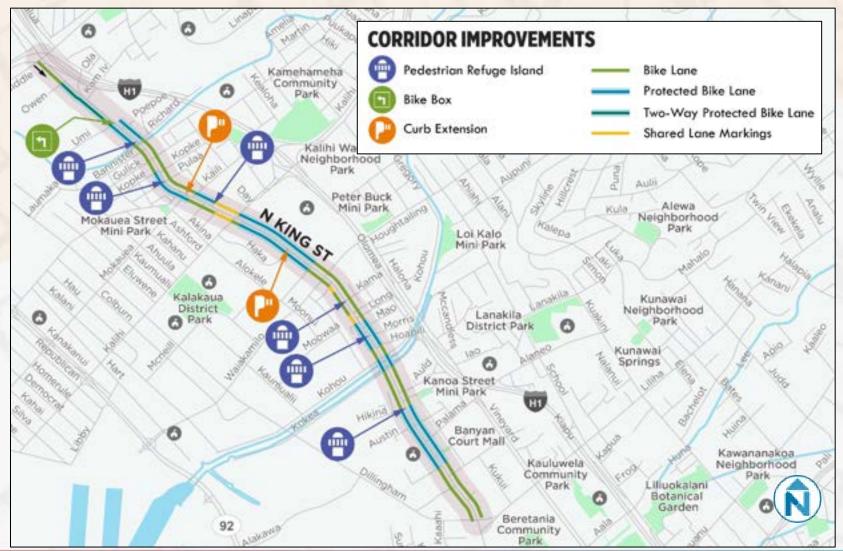
North King Street

• Bike Connections





North King Street – Corridor Improvements







Proposed Improvements: Bike Lanes at King + Gulick

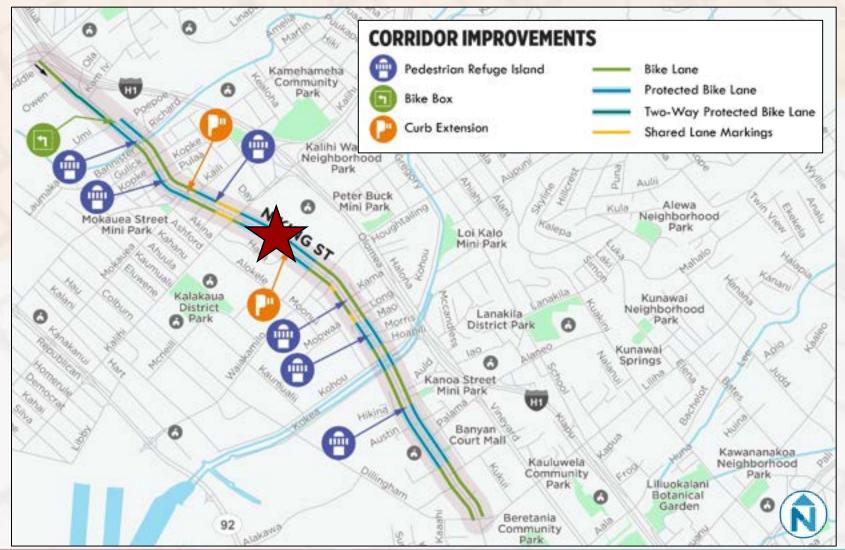






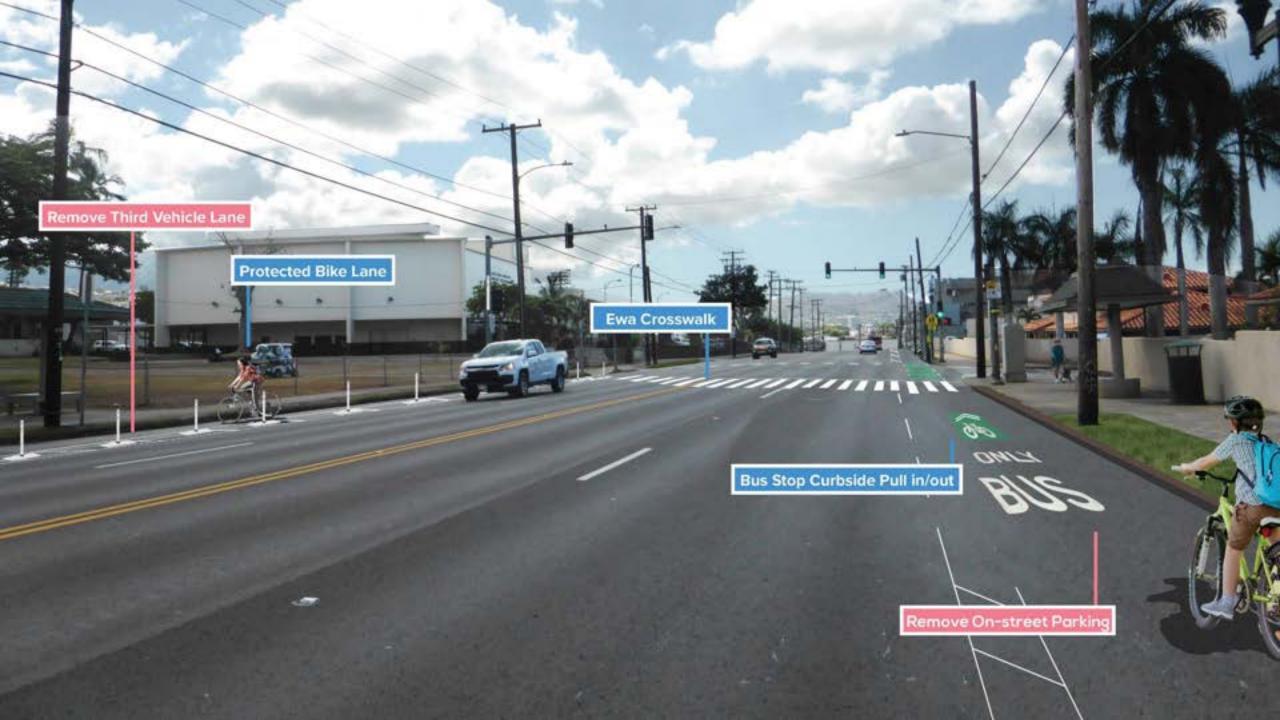


Proposed Improvements: Protected Bike Lanes on North King Street by Farrington High School

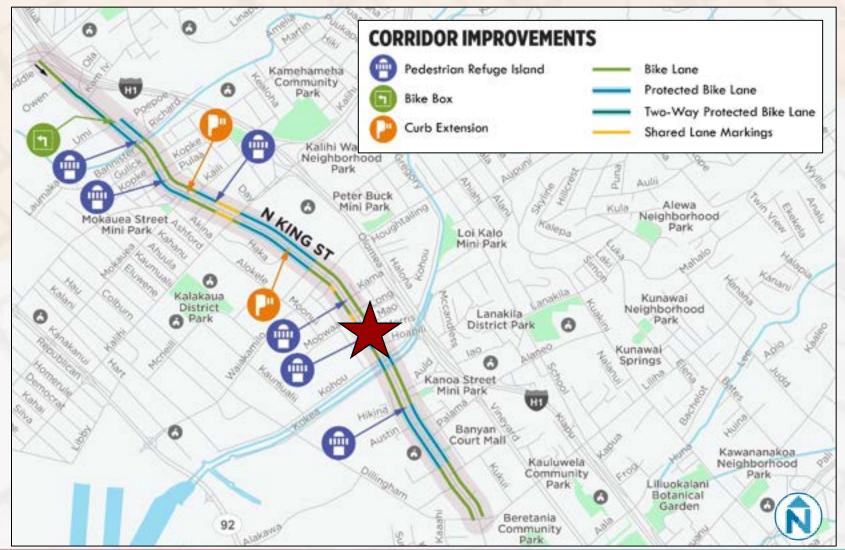








Proposed Improvements: N King + Morris Lane









Reconsider On-Street Parking

N King Street Parking Use



LOW TURNOVER



higher overnight

Lower occupancy More tha during the day, vehicles ov



More than half of vehicles overstaying time limits

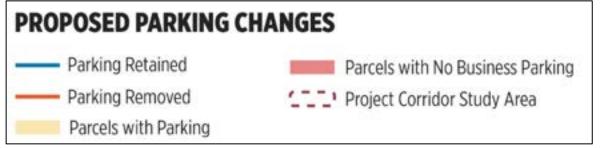


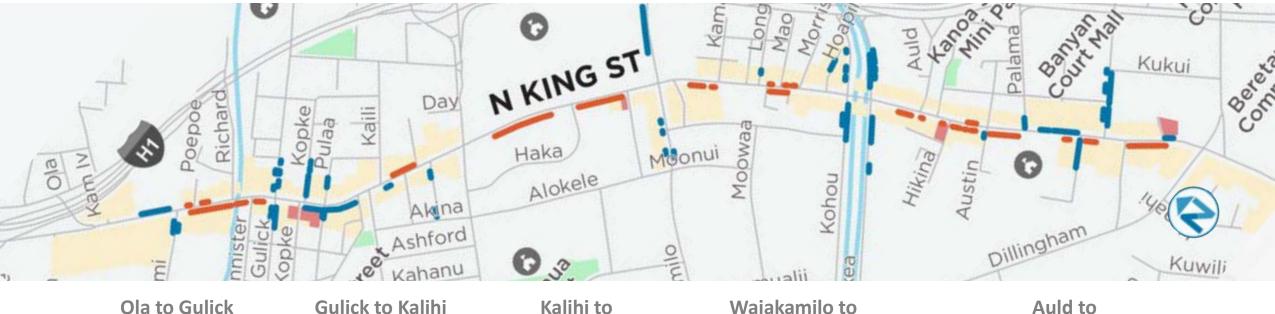
Parking spaces on the North King Street project corridor (302 spaces including side street blocks)

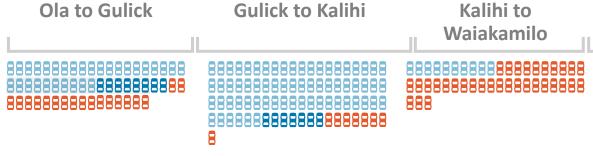




Reconsider On-Street Parking







■ Parking Removed (N King St)

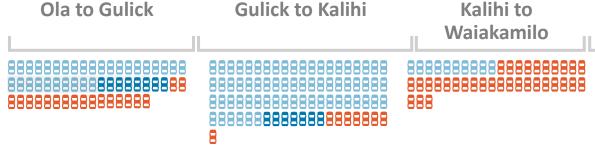
B Parking Retained (N King St)

■ Parking Retained (Side Street)

Reconsider On-Street Parking

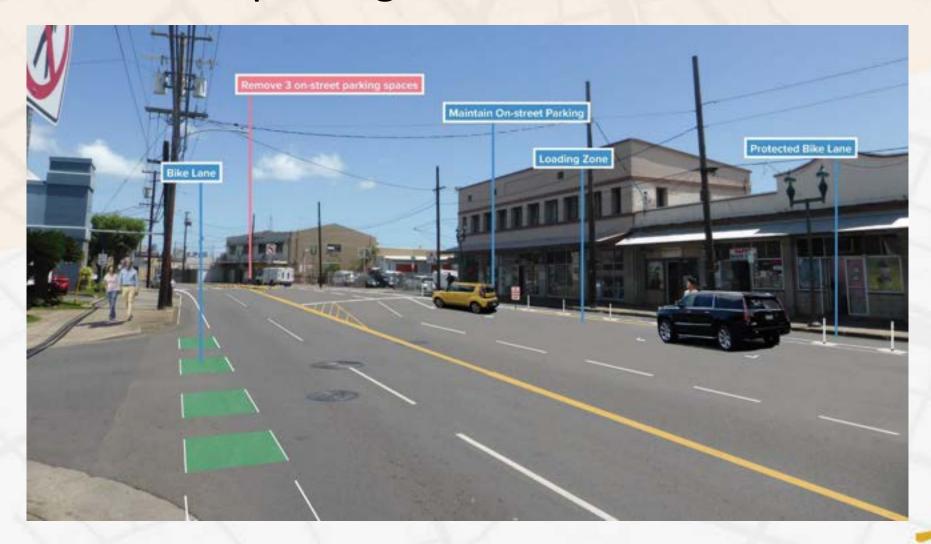






■ Parking Retained (Side Street)

Reconsider Parking – Sensitive to businesses that do not have off-street parking





Polling Question #2

Question: What are your thoughts on the proposed North King Street improvements?

- a. love it
- b. like it
- c. like it with some modifications
- d. not sure
- e. don't like it



Polling Question #3

Question: Which elements of the proposed designs along North King Street do you think are most important?

(You may choose more than one answer.)

- a. Pedestrian Refuge Islands
- b. Rectangular Rapid Flashing Beacons
- c. Protected Bike Lanes
- d. Curb Extensions on side streets
- e. None no improvements
- f. I'm not sure





Waiakamilo Road / Houghtailing Street - Corridor Improvements



CORRIDOR IMPROVEMENTS



Pedestrian Refuge Island



Curb Extension



Sidewalk Tree / Landscaping Opportunity



Protected Bike Lane (Converted from existing bike lane)

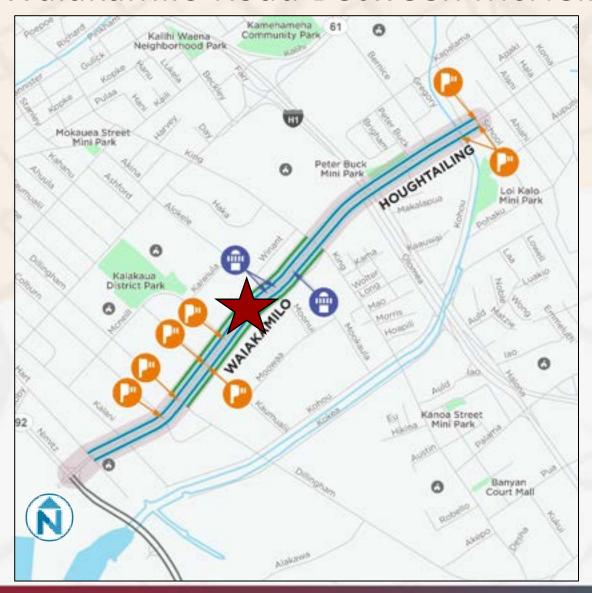


Existing Bike Lane





Waiakamilo Road Between McNeill Street and Alokele Street



CORRIDOR IMPROVEMENTS



Pedestrian Refuge Island



Curb Extension





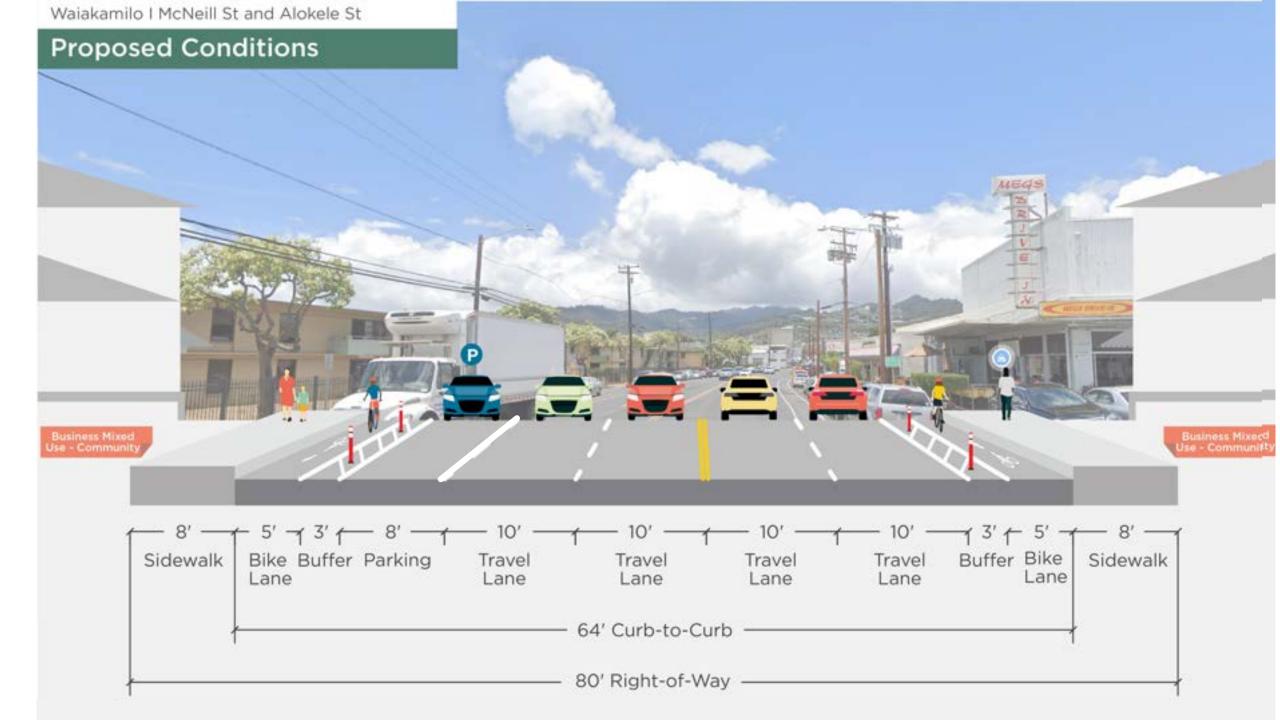
Protected Bike Lane (Converted from existing bike lane)



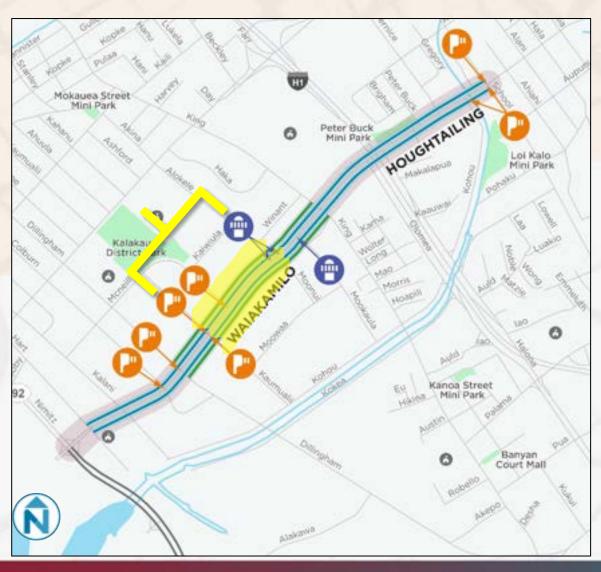
Existing Bike Lane





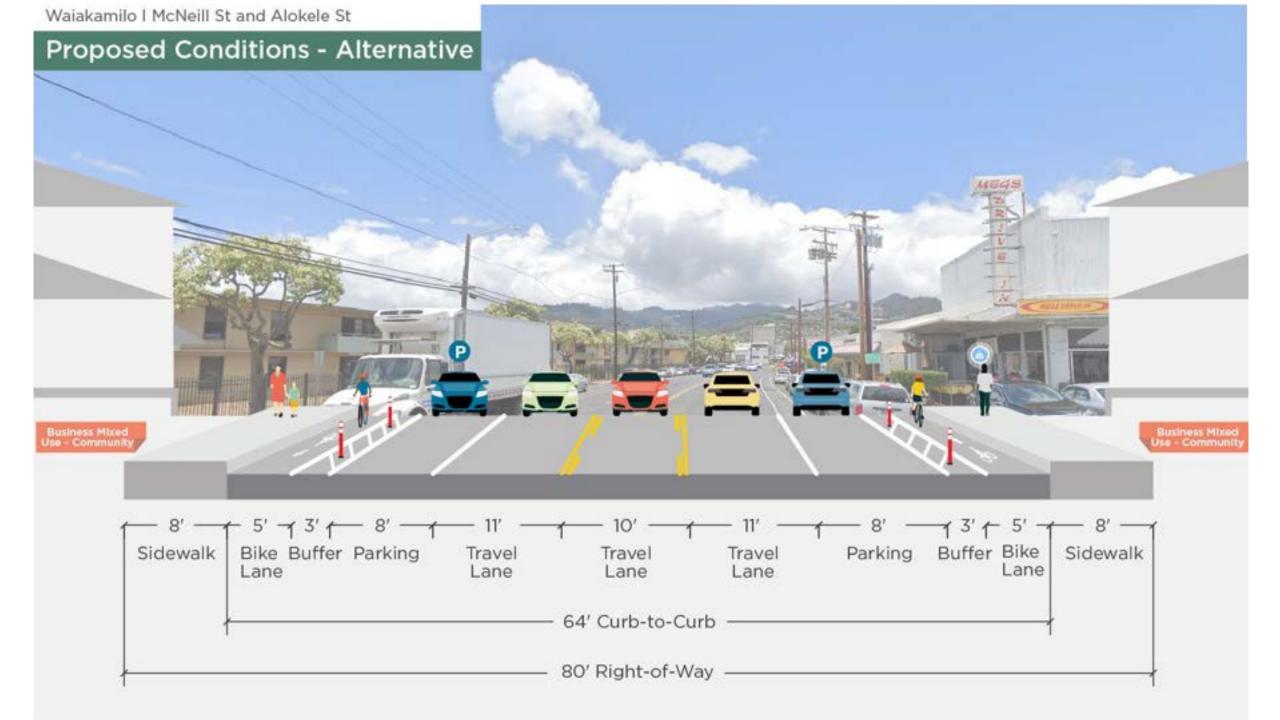


Waiakamilo Road – "Road Diet" Alternative Between Kaumualii Street and Alokele Street

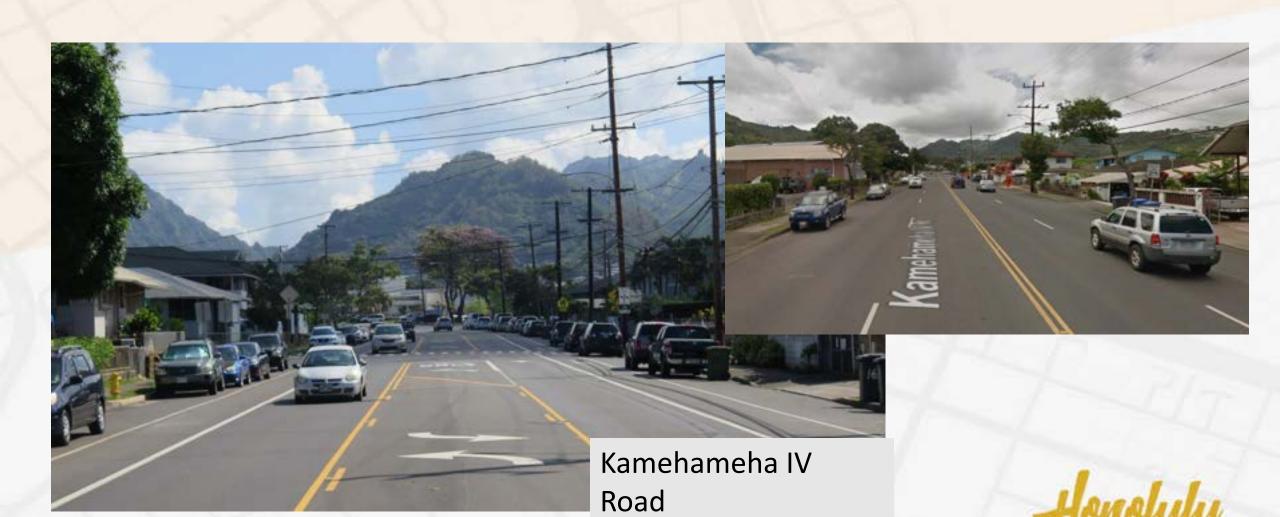


- Reduce to 3 lanes with a center turn lane
- Improves safety
- Fewer lanes for pedestrians to cross
- Reduces speeding
- Maintains more parking





Road Diet Example



Polling Question #4

Question: Which alternative do you prefer for Waiakamilo Road between Kaumualii Street and Alokele Street?

- a. 4 Lanes 2 lanes in each direction with no left turn lane, protected bike lanes, and parking on the Ewa side only
- b. "Road Diet" 1 lane in each direction and left turn lanes, protected bike lanes, and parking on both sides
- c. Neither, prefer no change
- d. I'm not sure





Houghtailing Street Between N King and H-1



CORRIDOR IMPROVEMENTS



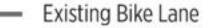
Pedestrian Refuge Island



Curb Extension

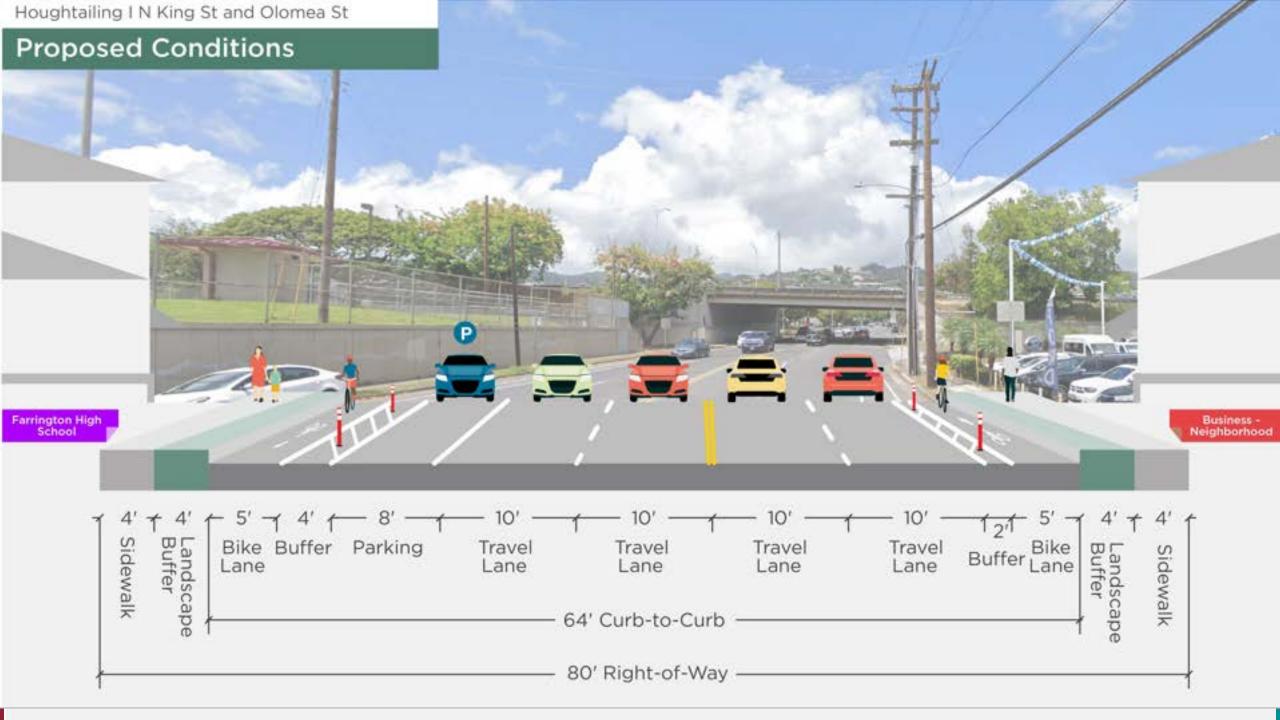




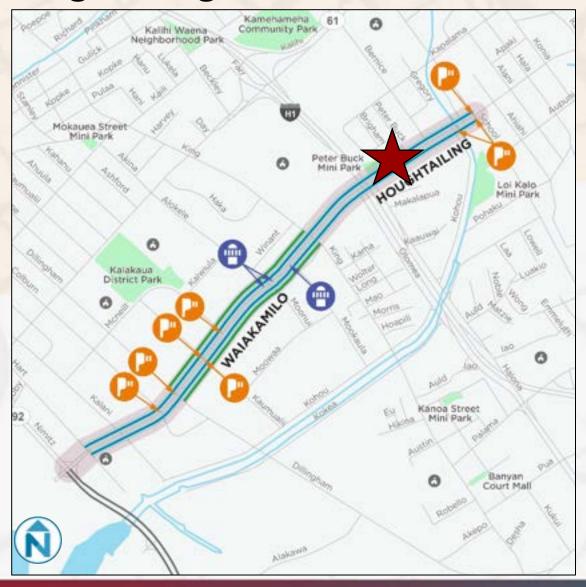








Houghtailing Street Between Halona Street (H1) and Peter Buck Sreet



CORRIDOR IMPROVEMENTS



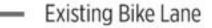
Pedestrian Refuge Island



Curb Extension

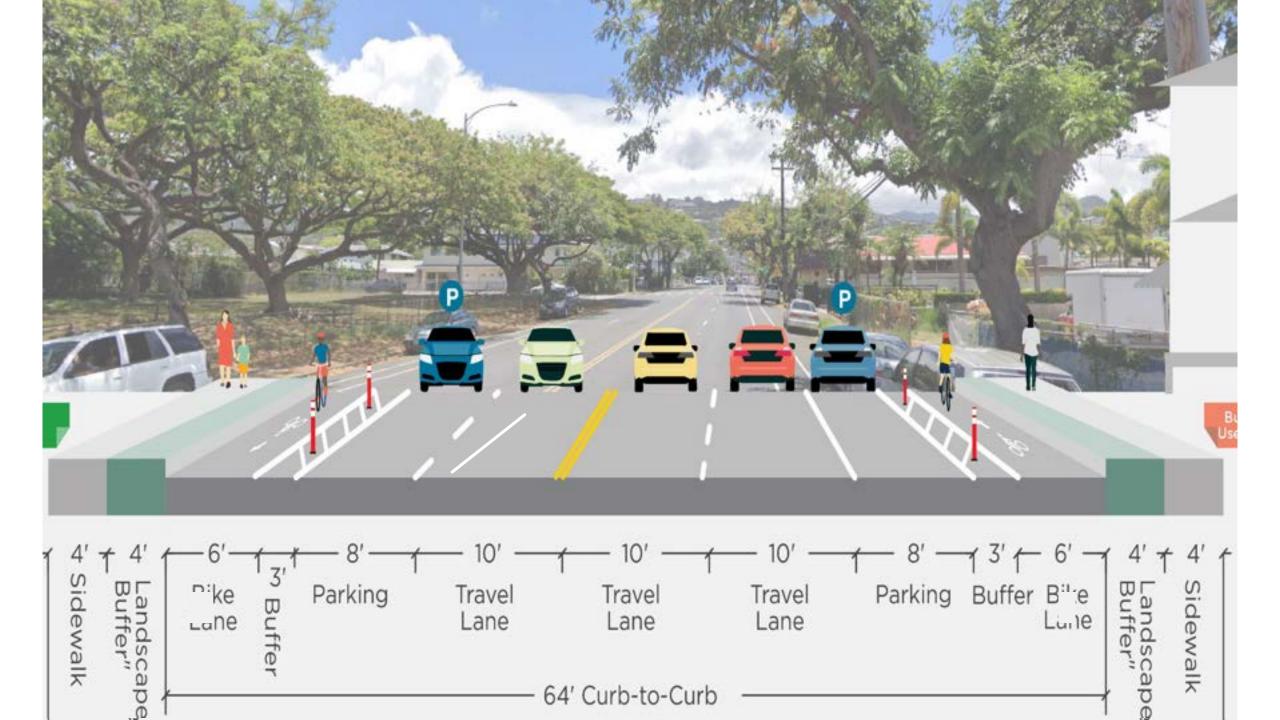












Polling Question #5

Question: Which elements of the proposed designs along Waiakamilo Road/ Houghtailing Street do you think are most important? (You may choose more than one answer.)

- a. Pedestrian Refuge Islands
- b. Curb Extensions
- c. New Sidewalk Trees / Landscaping
- d. Protected Bike Lanes
- e. None no improvements
- f. I'm not sure



Polling Question #6

Question: Do you feel that the plans shown will create a safer environment for people walking and biking to jobs, school, homes, TheBus, and the future rail station near HCC?

- a. Yes
- b. No
- c. Somewhat
- d. Not sure/don't know





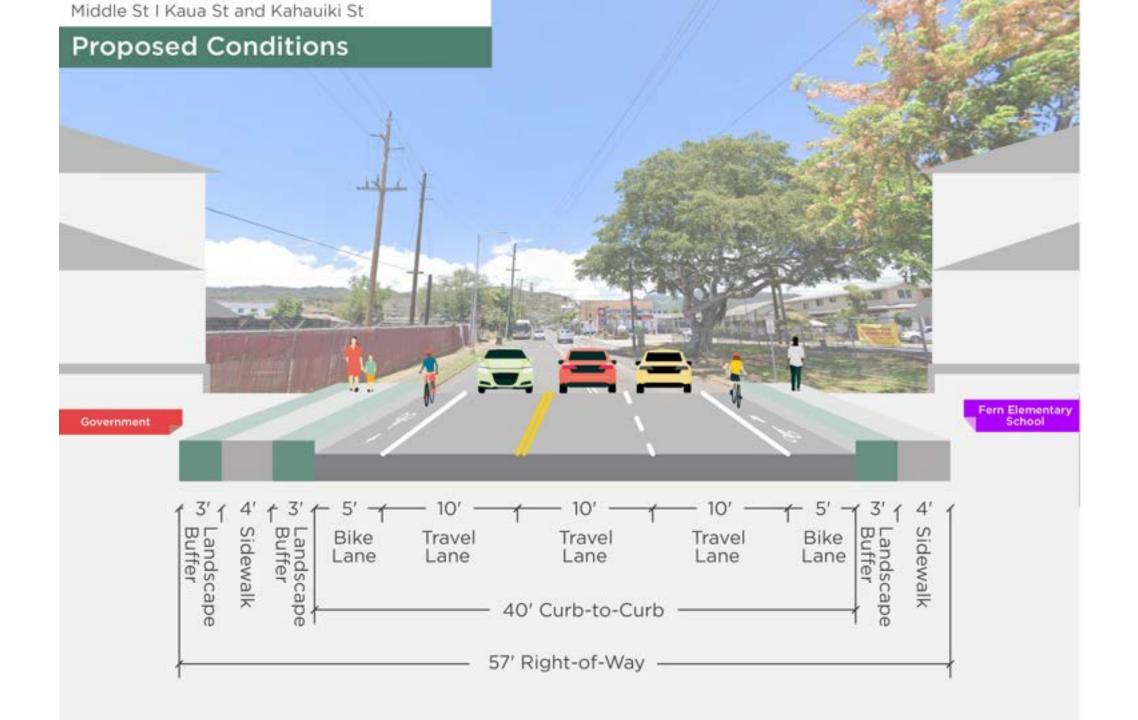
Middle Street & School Street





Middle Street at Fern Elementary





School Street at Kamehameha IV Road





Proposed Improvements: North School Street at Kamehameha IV Road

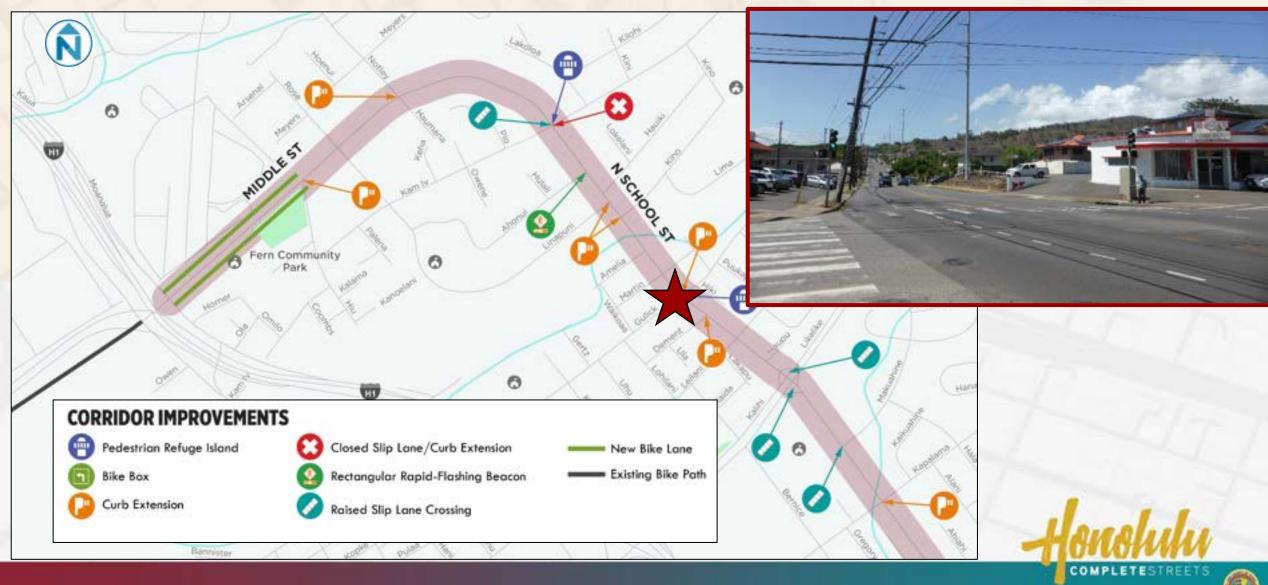






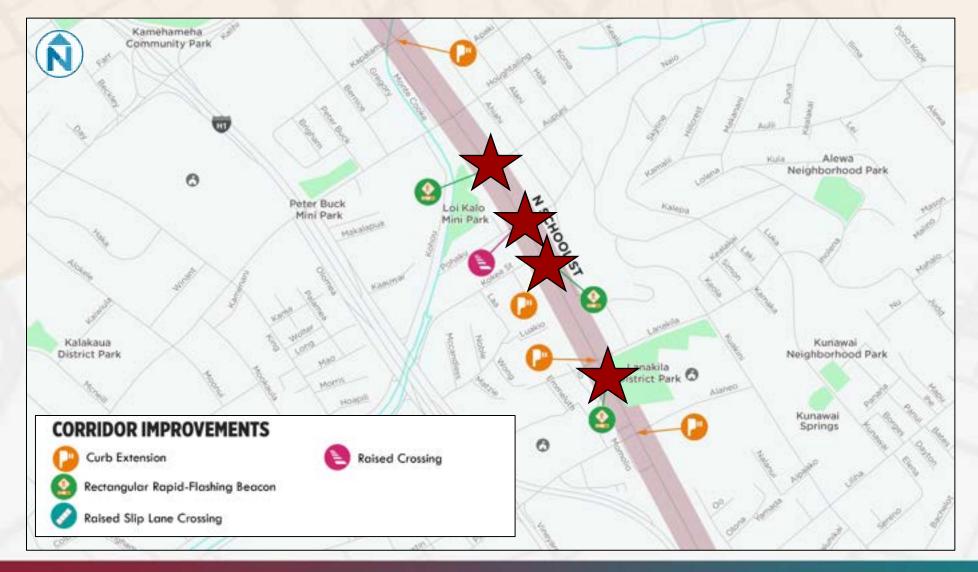


School Street at Gulick Avenue





School Street Uncontrolled Crosswalks





Preserving Uncontrolled Crosswalks



Kamakee Street (Kakaako)



Sarasota, Florida





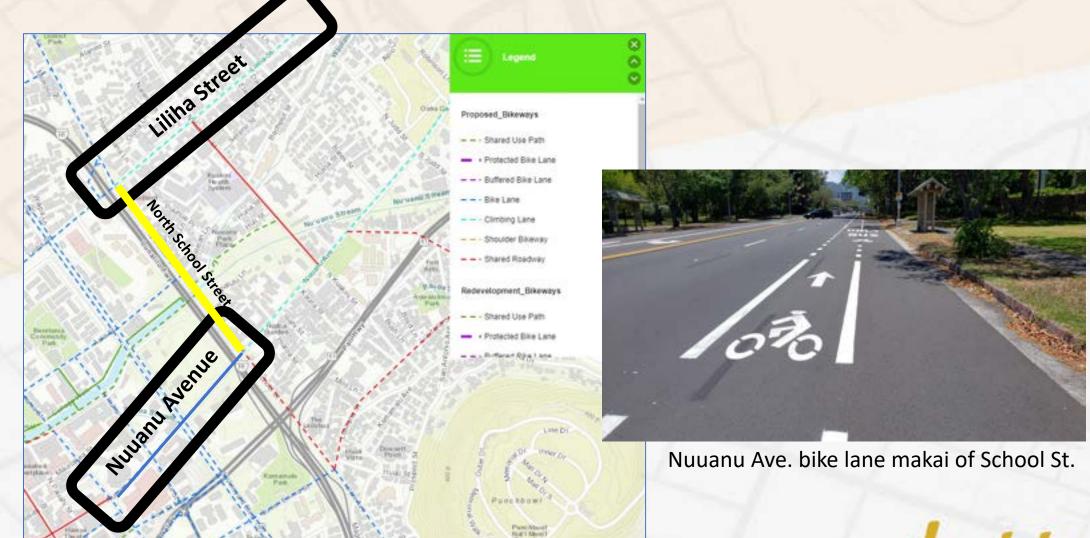
School Street - Between Liliha and Nuuanu



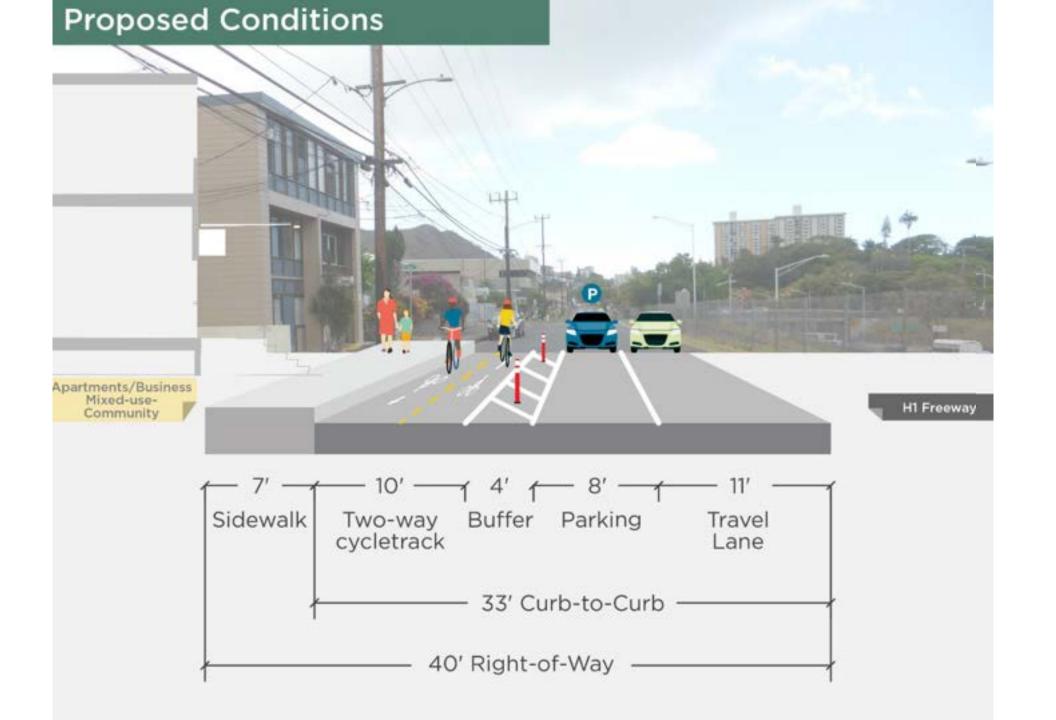




School Street bike connection - Liliha-Nuuanu







Polling Question #7

Question: Which elements of the proposed designs along Middle Street and School Street do you feel are most important? (You may choose more than one answer.)

- a. Rectangular Rapid-Flashing Beacons
- b. Raised Crosswalks
- c. Curb Extension
- d. Closed Slip Lane
- e. Middle Street bike connection (between North King Street and Kahauiki Street)
- f. School Street bike connection (between Liliha Street and Nuuanu Avenue)
- g. None No Improvements.
- h. I'm not sure



BREAKOUT SESSION #1

Time: 20 minutes

Choose a corridor and engage with technical experts to provide feedback on designs



Protocols

- Your questions and comments are welcome!
 Please type your name in the chat and a facilitator will call on you.
- 2. To preserve sound quality, please keep yourself muted until you are called on or asked to unmute.
- 3. We recognize time may be limited, please extend kindness by also allowing others to ask questions and provide their comments.



Breakout Session #1

Select a Room Using the Breakout Room Feature at the bottom of your screen. Ways to participate:

- Enter your questions directly into the chat function.
- "Raise your hand" to discuss comments or questions with facilitators.



Breakout Session #1

- Room 1: Middle & School Streets
- Room 2: North King Street
- Room 3: North King Street
- Room 4: Waiakamilo Road & Houghtailing Street



BREAKOUT SESSION #2

Time: 20 minutes
Choose a corridor and engage with technical experts to provide feedback on designs



Breakout Session #2

- Room 1: Middle & School Streets
- Room 2: North King Street
- Room 3: North King Street
- Room 4: Waiakamilo Road & Houghtailing Street



Next Steps

- Design contract for North King Street Bikeway
- Roadway repaying is upcoming along Middle Street, North School Street, Houghtailing Street, and Waiakamilo Road



Mahalo for your time today!

ASK | LEARN | SHARE | CONNECT

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