

# Ala Wai Boulevard Complete Streets



Final Community Meeting  
October 26, 2022  
6:00 – 8:00 pm

# Aloha!

Thank you for joining the City and County of Honolulu Complete Streets team to discuss safety improvements for Ala Wai Boulevard.

We will review the proposed changes with you and share how we arrived at the preferred design.

We seek your feedback and comments on the proposed solutions.

We will go through some orientation to the virtual meeting before getting into the meeting materials.

Mahalo for your involvement!

# Introduction

## Project Team

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



*Honolulu* COMPLETESTREETS



*Honolulu* COMPLETESTREETS



# Introduction

## Meeting Agenda

- Complete Streets Overview
- Project Overview
- What We've Heard
- Proposed Improvements
- Breakout Room Discussions
- Next Steps



# Introduction

## Key Meeting Goals

- Share how community input and roadway data informed the proposed concepts
- Describe the safety improvements proposed for Ala Wai Boulevard
- Hear your input on the proposed plan

# ZOOM Housekeeping

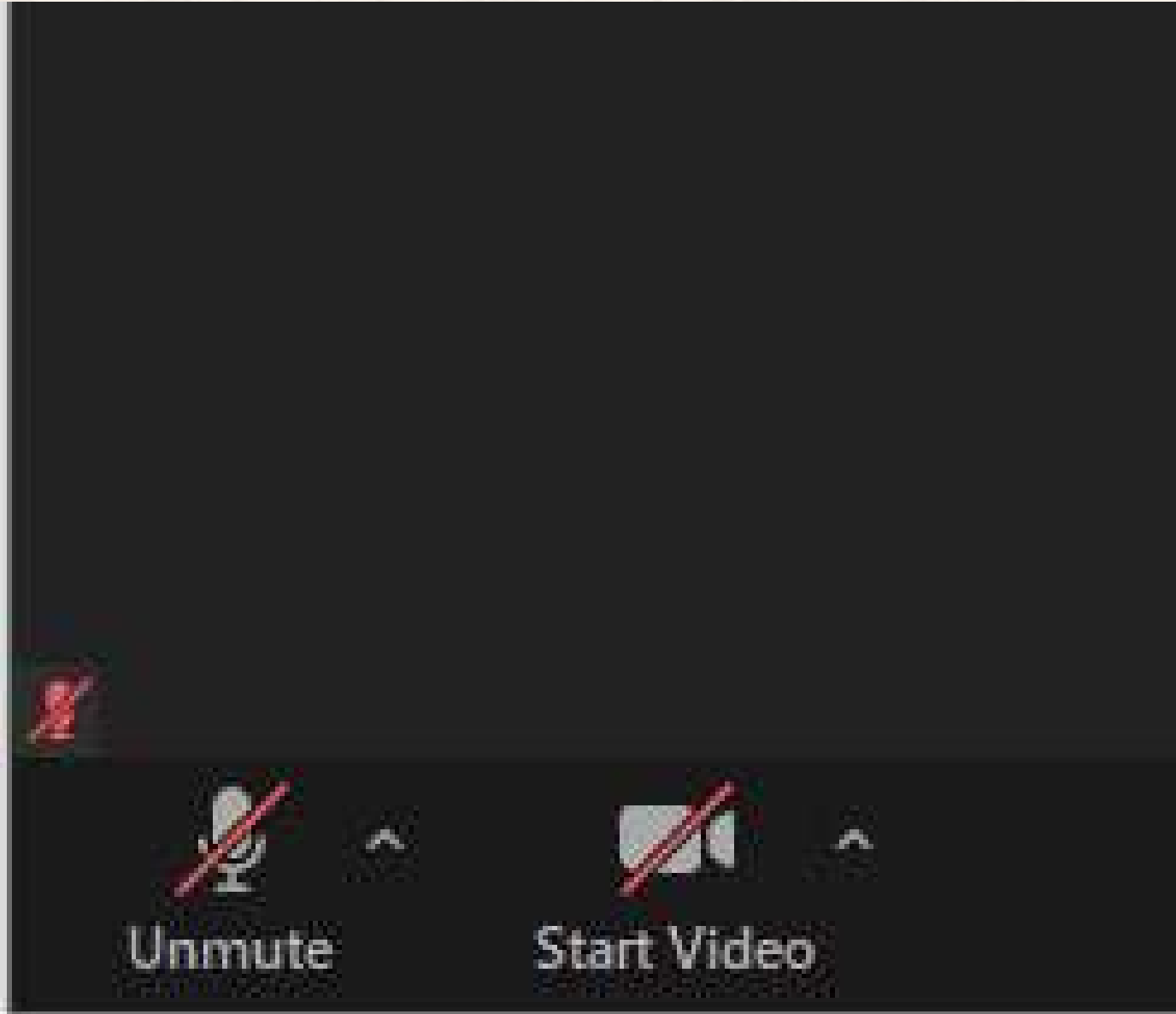
## "Netiquette"

- 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 Chat or the "Raise Hand" function to be recognized.**
- Impersonating or mocking people or institutions is not allowed. Neither are blatantly false statements or foul language. Participants who engage in this behavior will be removed.



# ZOOM Housekeeping

## How to Mute and Unmute

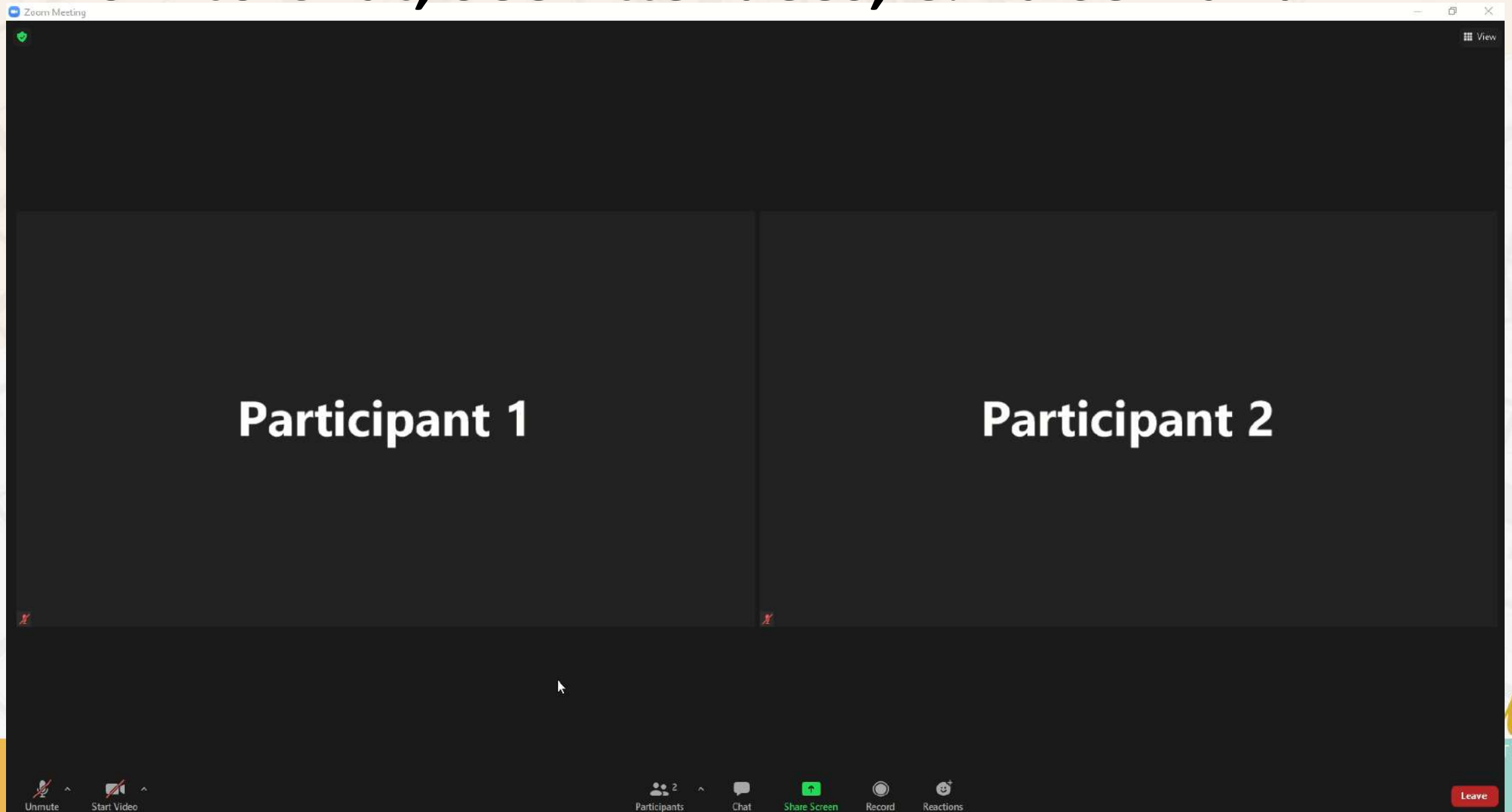


**Note:** if your internet is running slow or you have glitchy audio, it may help to turn your camera off.



# ZOOM Housekeeping

## How to Chat, See Attendees, & Raise Hand

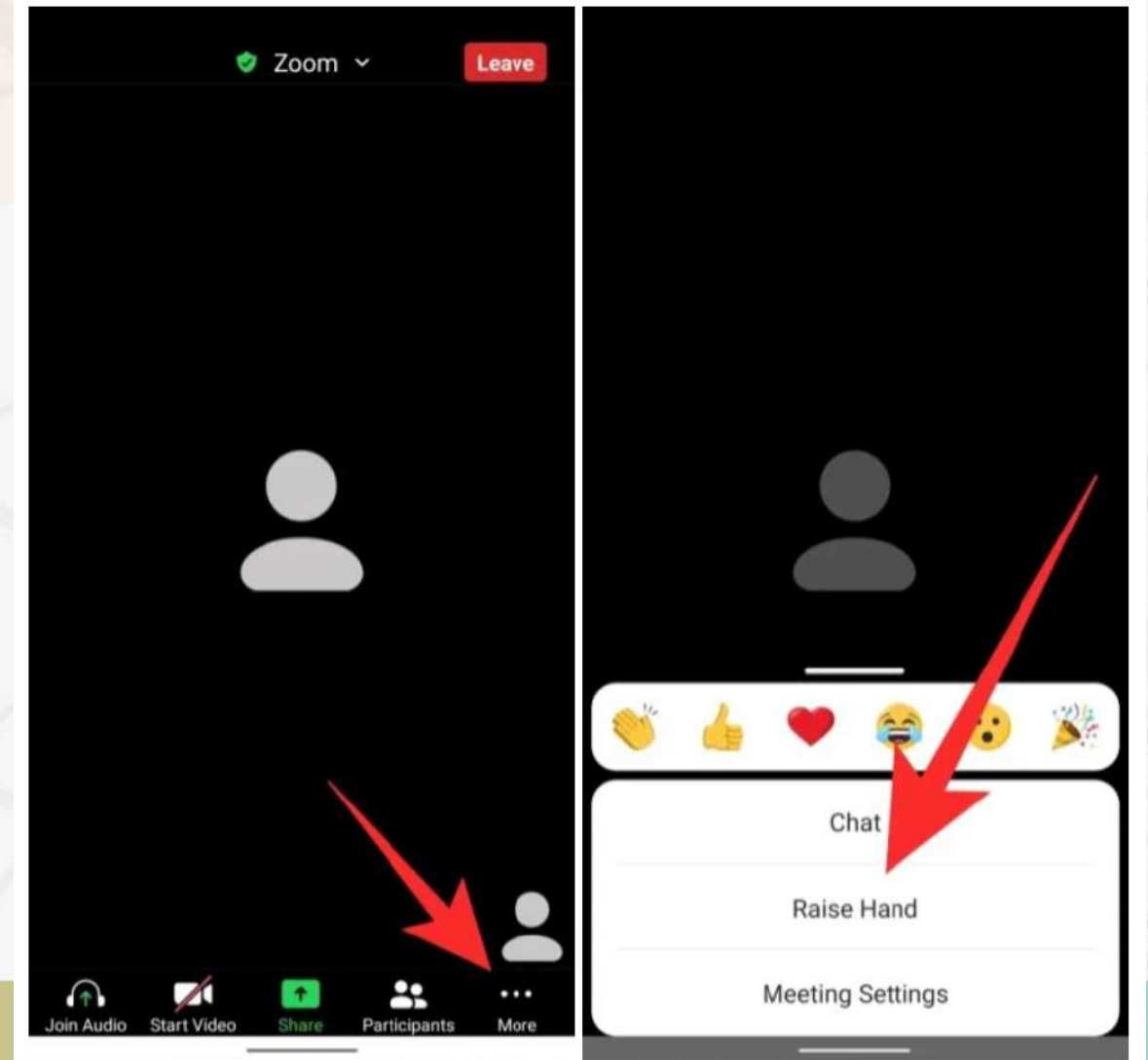




# ZOOM Housekeeping

## How to Raise Hand – Phone App

1. If toolbar not visible:  
tap screen to toggle on
2. Choose ...More
3. Click “raise hand”



# ZOOM Housekeeping

## Changing and Enlarging the View

Zoom Meeting | You are viewing PBR HAWAII's screen | View Options

Participant 1 | PBR HAWAII

Waikiki Complete Streets | honolulu.gov/completestreets/waikiki

COVID-19: City Information and Latest Updates | COVID-19 Vaccine Information  
Mayor Blangiardi's Declaration of Emergency—Torrential rains and flooding

City and County of HONOLULU  
ENHANCED BY Google | Search | Social Media | Translate

Government | Departments and Agencies | Communities Residents & Business | City Services Online | Visitors and Activities

HOME | GUIDANCE | CURRENT PROJECTS | PROJECT ARCHIVE | COMMUNITY RESOURCES

### Honolulu COMPLETESTREETS WAIKIKI

STAY IN THE LOOP

Subscribe to our mailing list  
\* indicates required  
Email Address \*

Name

Address

Which Complete Streets Projects Are You Interested In:

- Ala Pono
- Downtown/Chinatown
- Haleiwa
- Honolulu Urban Core
- Kalia
- Kalihi

Community Outreach Notice

GO TO TOP

Unmute | Start Video | Participants | Chat | Share Screen | Record | Reactions | Leave

# 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.

**1** Choose your response

**2** Click submit

The screenshot shows a Zoom poll window titled "Polls" with a green header "How to Use Zoom Polling". The poll question is "1. Do you know how to use Zoom Polling?". There are three radio button options: "Yes", "No", and "Unsure". At the bottom right of the poll area is a "Submit" button. The Zoom interface at the bottom shows "Unmute", "Start Video", "Participants", "Polls", "Chat", "Share Screen", "Record", and "Leave".

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

# Practice/Warm Up Poll

# Practice/Warm Up Poll (Poll #1)

Did you attend the Ala Wai Boulevard Complete Streets project kick-off community meeting on April 14, 2021?

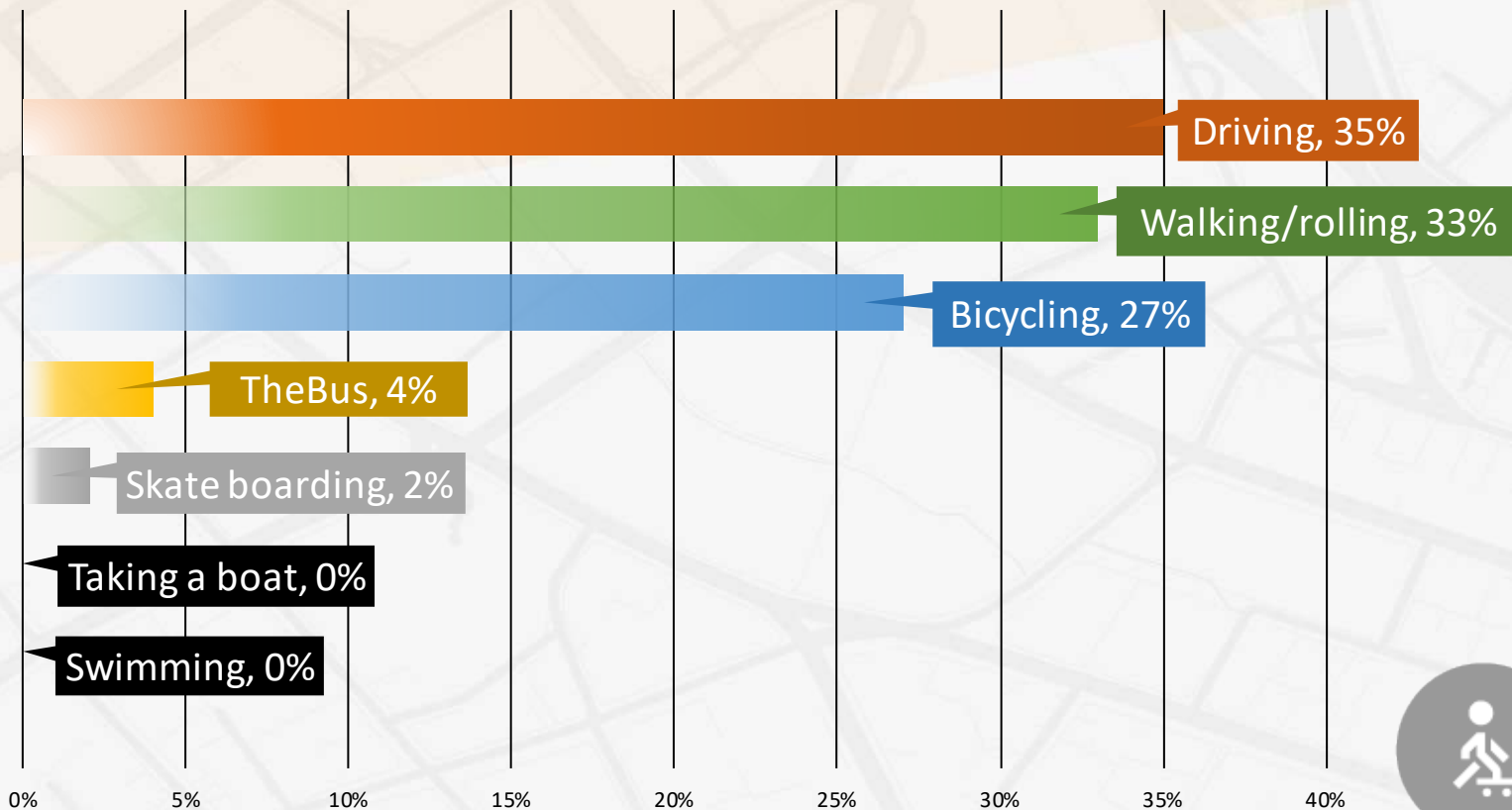
- a. Yes
- b. No
- c. I do not remember

# Practice/Warm Up Poll (Poll #2)

What is your favorite way of getting around Oahu?

- a. Walking/Rolling
- b. Bicycling
- c. Skateboarding
- d. TheBus
- e. Driving
- f. Taking a boat
- g. Swimming

# Compared to the kick off meeting (2021) ...



# 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 on Foot and Universal Access

 People on Cycles

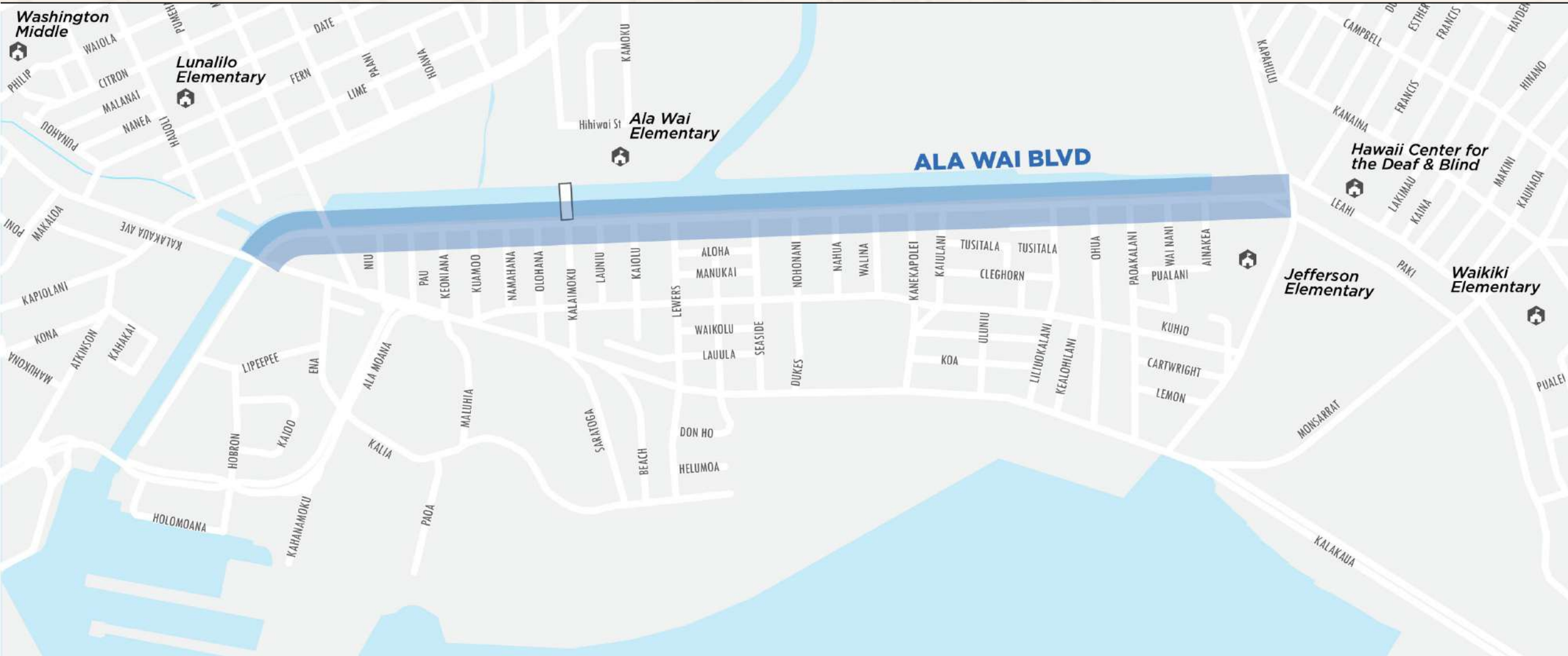
 People Using Collective Transport

 People in Personal Motorized Vehicles

 People Moving Goods and City Services

 People Doing Business

# The Opportunity...



# Ala Wai Boulevard Complete Streets Project Process

We are here!

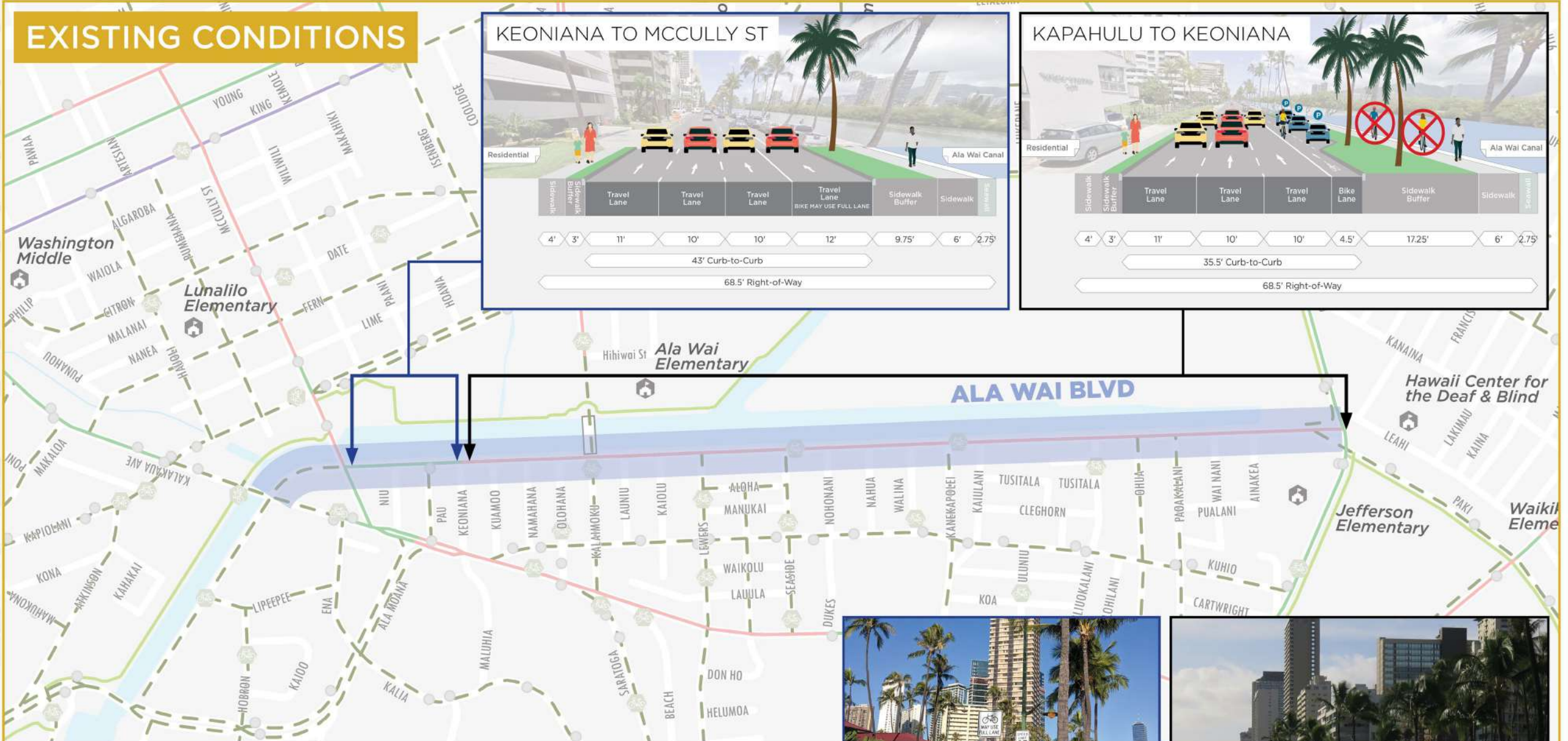
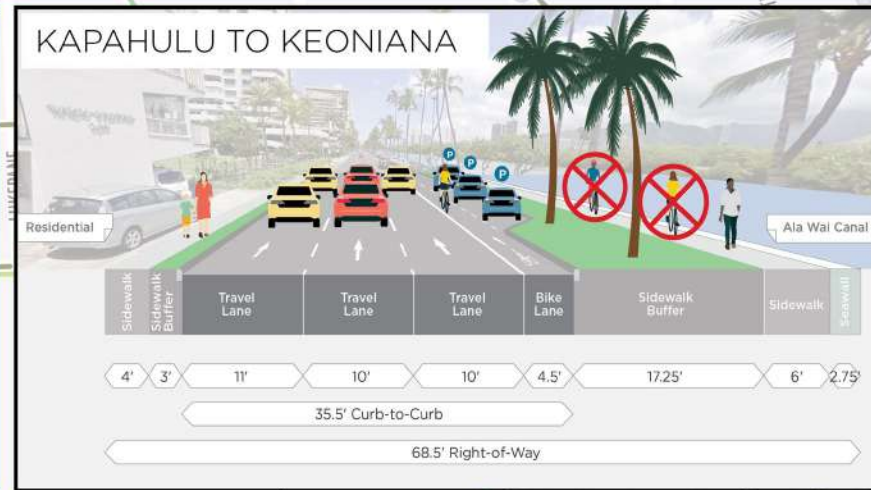


# EXISTING CONDITIONS

## KEONIANA TO MCCULLY ST



## KAPAHULU TO KEONIANA



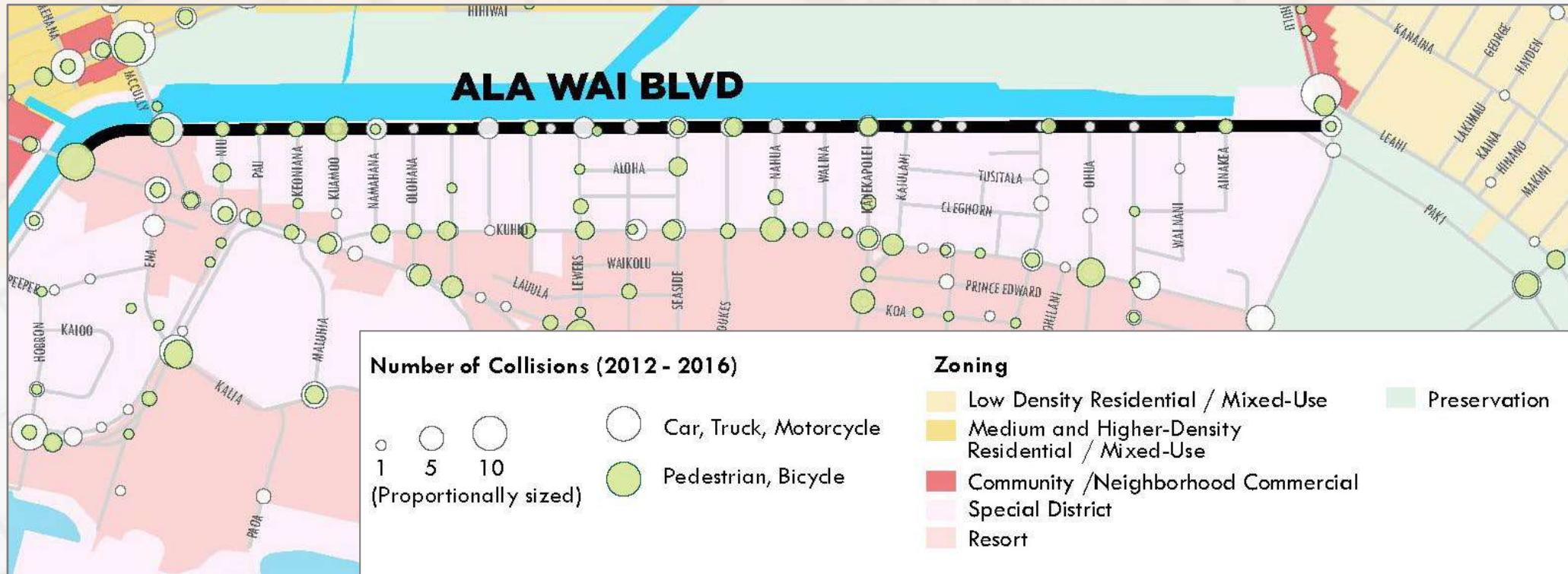
- Proposed Bike Facilities
- Existing Bike Lane
- Future Ala Wai Bridge Connection
- Existing Bike Path
- Existing Bike Route
- Existing Separated Bike Lane
- Bus Stops
- Biki Stations
- Public Schools

## Ala Wai Corridor

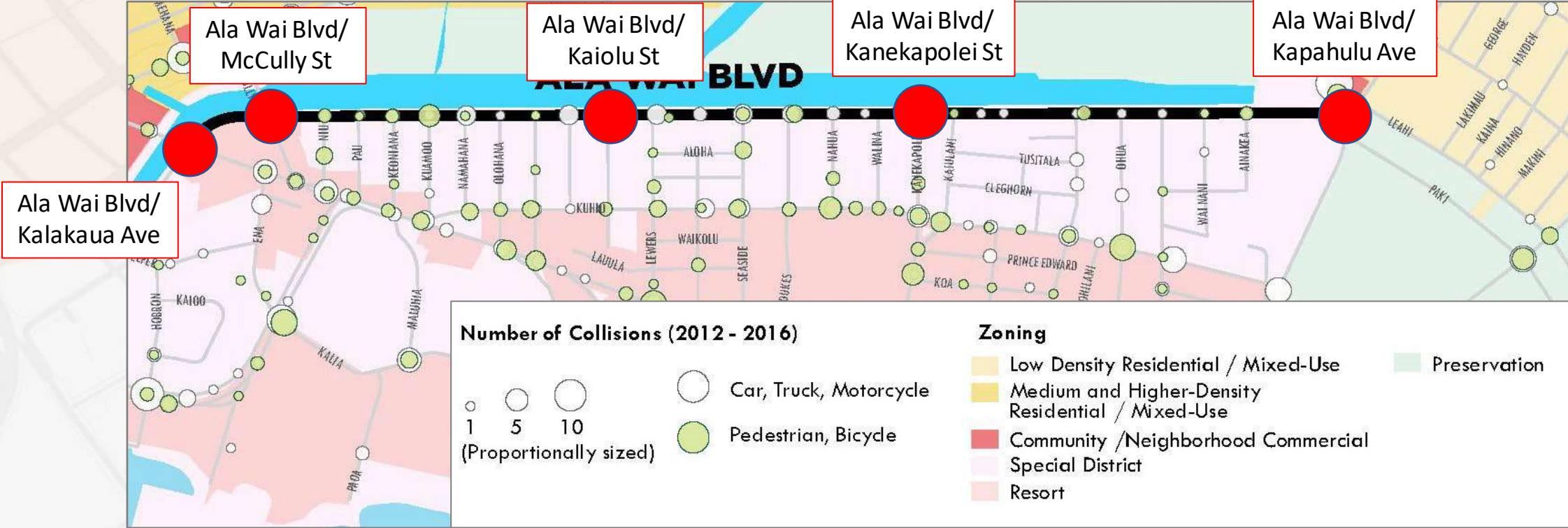


Sources: City of Honolulu, State of Hawaii

# Existing Safety Issues



# High Pedestrian Injury Intersections



# TRAFFIC SPEED

SPEED  
LIMIT  
**35**

**Ewa**  
**85th**  
**40**  
mph

**Middle**  
**85th**  
**32**  
mph

**DH**  
**85th**  
**38**  
mph



# Speed and Safety

## Ala Wai Blvd



**5%** chance of pedestrian fatality



**45%** chance of pedestrian fatality



**85%** chance of pedestrian fatality





# Bicycling Safety Issues

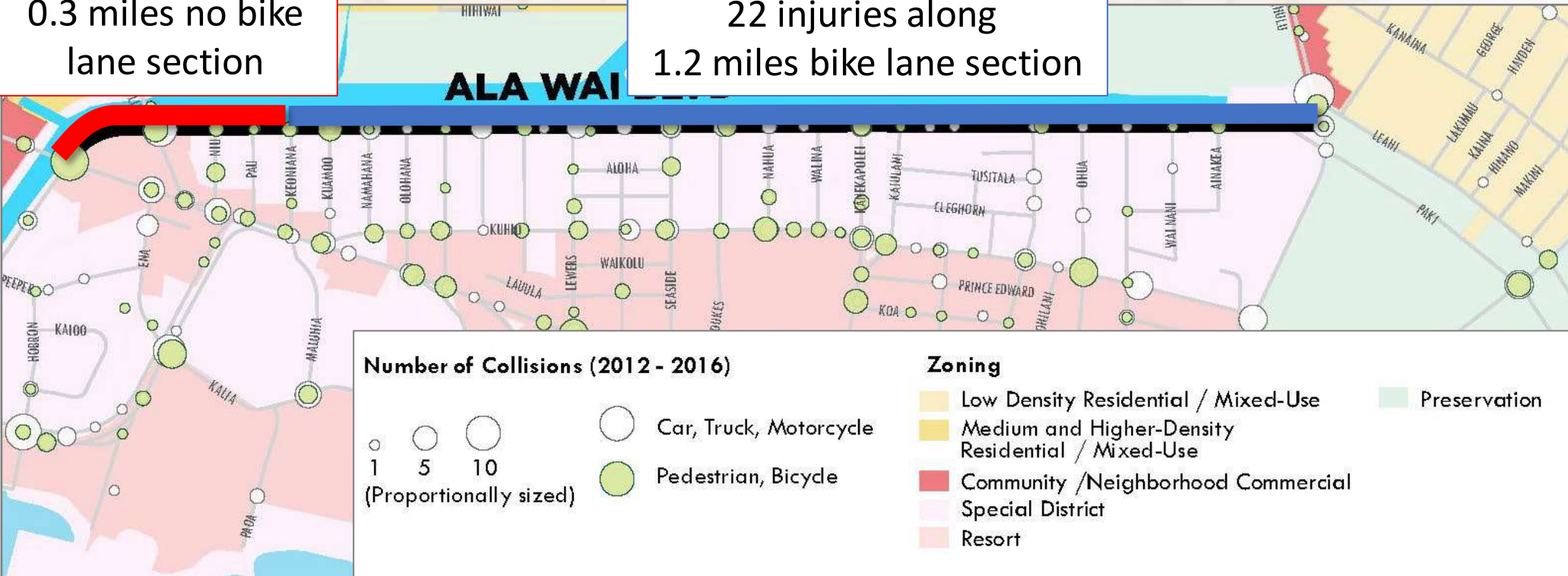


# Bicycling Safety Issues

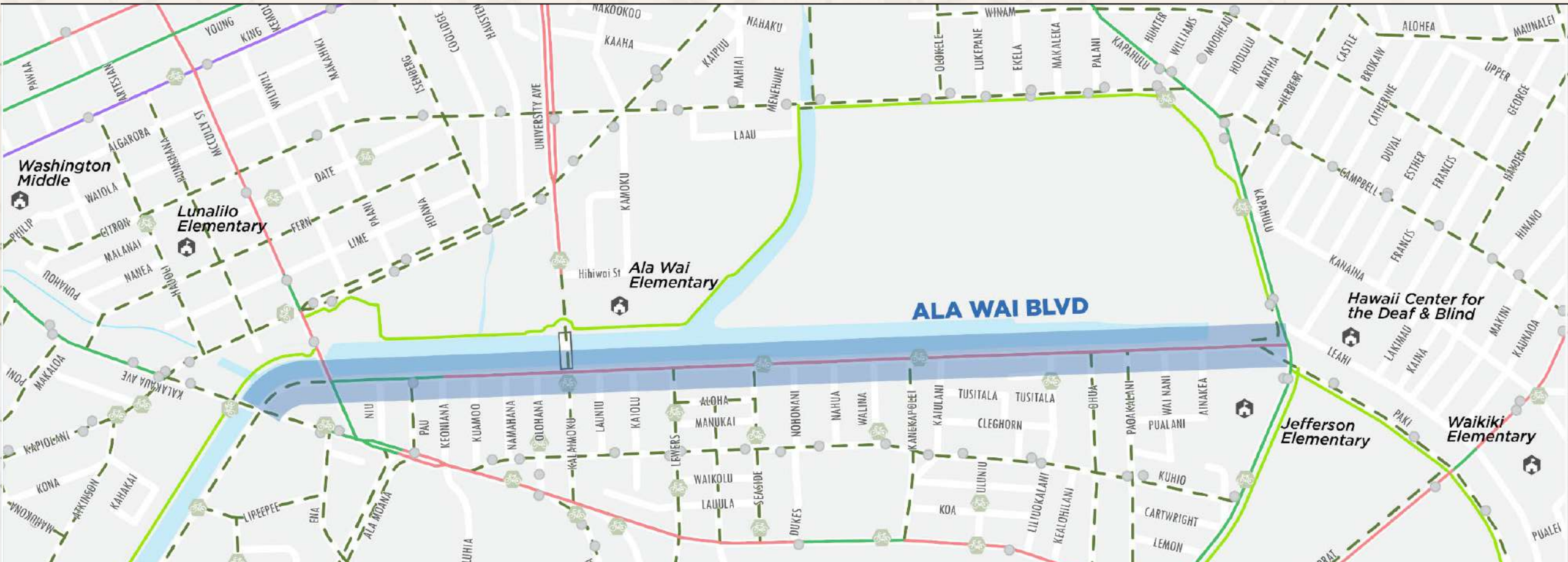
*Bicycle injury rates are 5x higher in the section with no bike lane*

24 injuries along 0.3 miles no bike lane section

22 injuries along 1.2 miles bike lane section



# Existing and Planned Bicycle Facilities

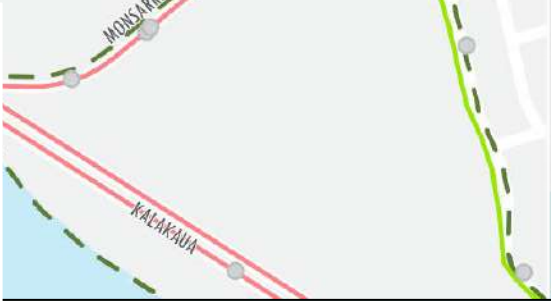


- Ala Wai Blvd
- Proposed Bike Facilities
- Future Ala Wai Bridge Connection
- Bus Stops
- Existing Bike Lane
- Existing Bike Path
- Existing Bike Route
- Existing Separated Bike Lane
- Public Schools
- 🚲 Biki Stations

## Ala Wai Corridor

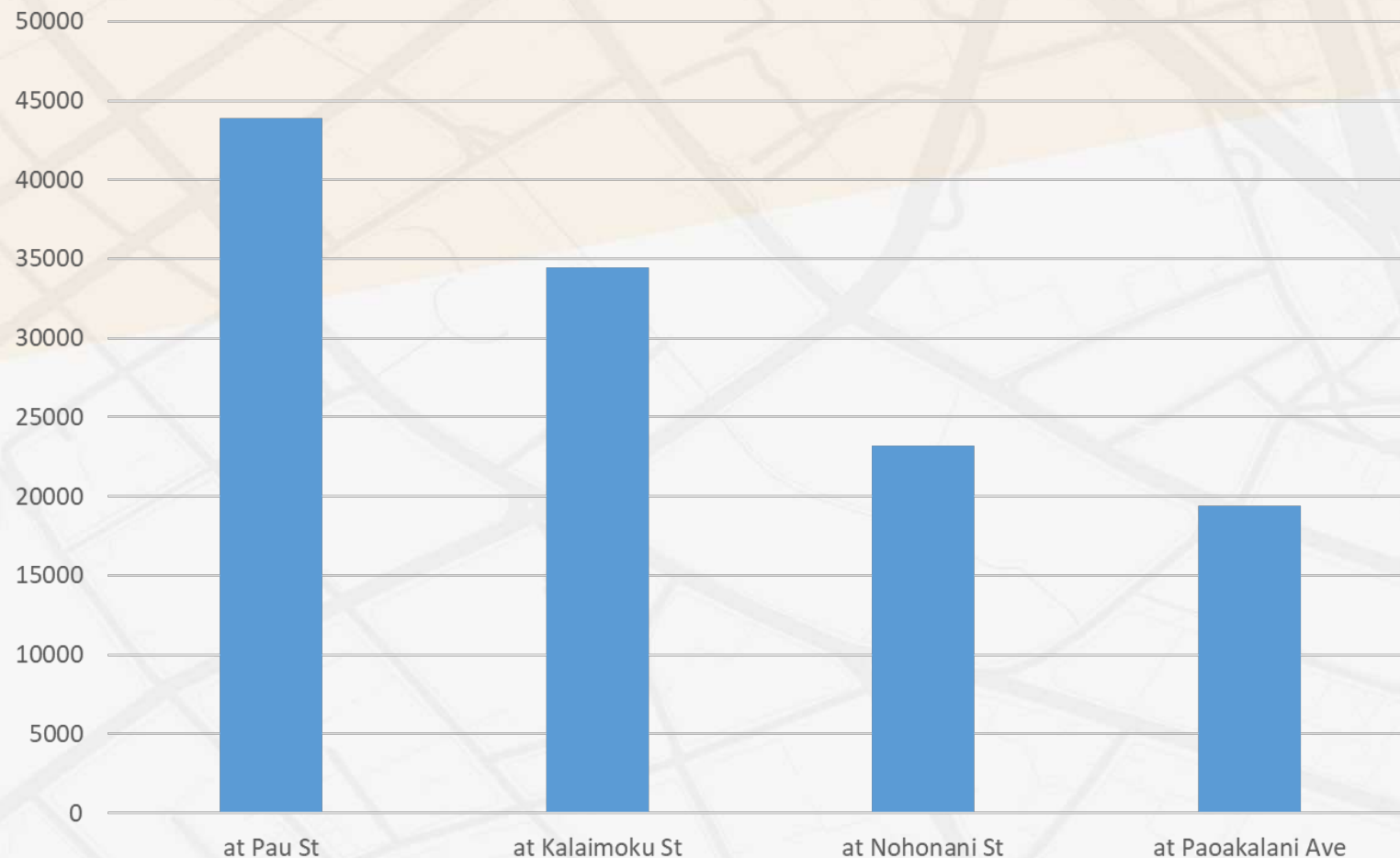


Sources: City of Honolulu, State of Hawaii



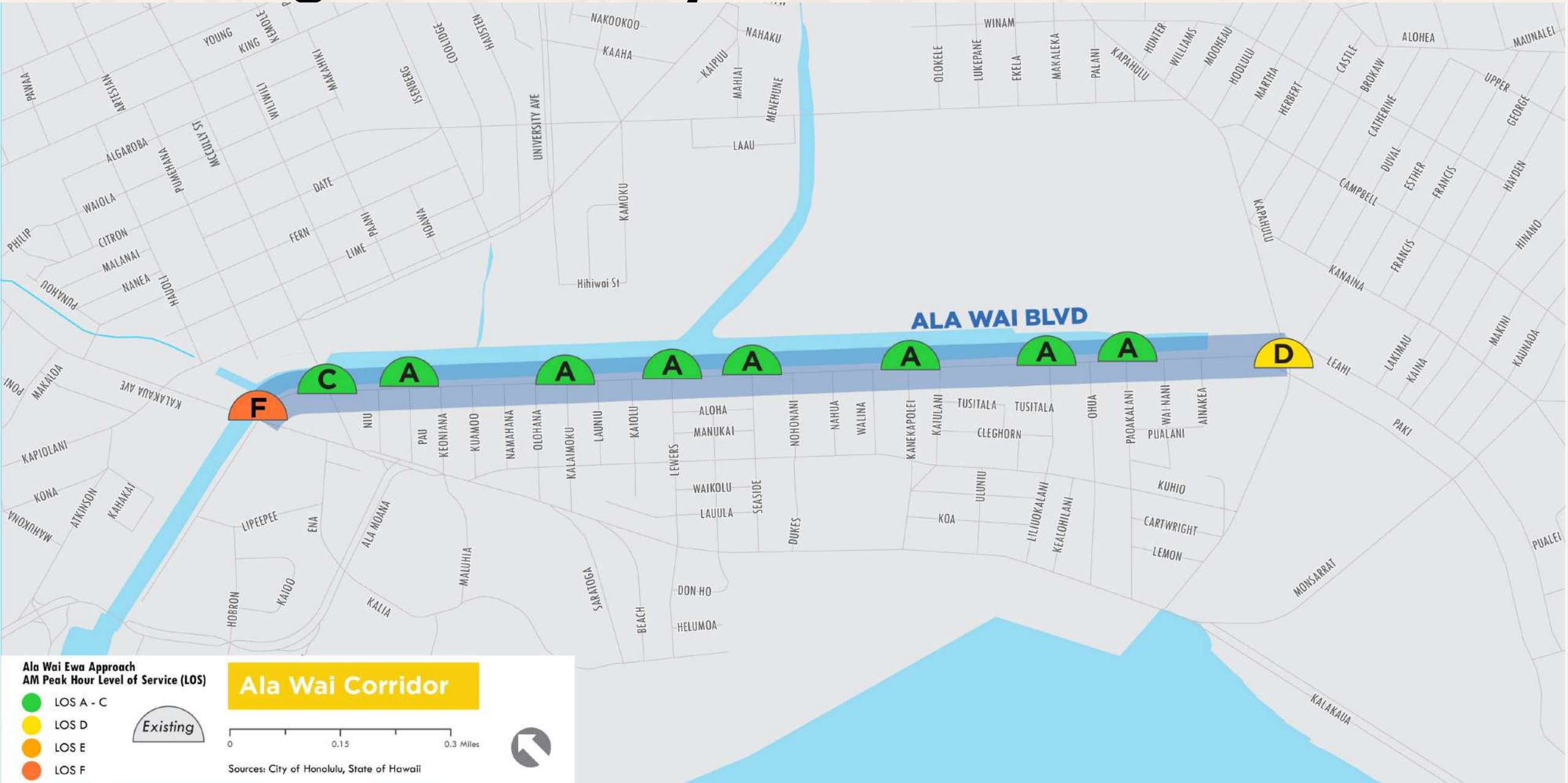
# Existing Traffic Analysis

Ala Wai Boulevard Daily Traffic Volumes



***There is less than half the traffic on Ala Wai Boulevard at Paoakalani Avenue vs at Pau Street***

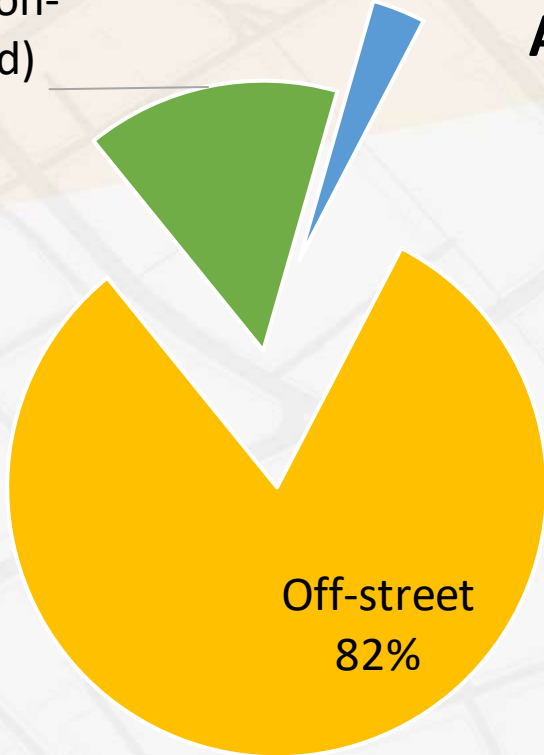
# Existing Traffic Analysis



# Parking Inventory

Waikiki Public Parking (on- and off-street)  
= 6,320 spaces

On-street (non-  
Ala Wai Blvd)  
15%



Ala Wai  
Blvd  
3%



**198**

Parking spaces on  
the Ala Wai Blvd  
project corridor

## Ala Wai Parking Use

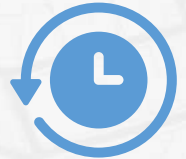
HIGH OCCUPANCY



**95%+**

Parking  
Occupancy

LOW TURNOVER



**482**

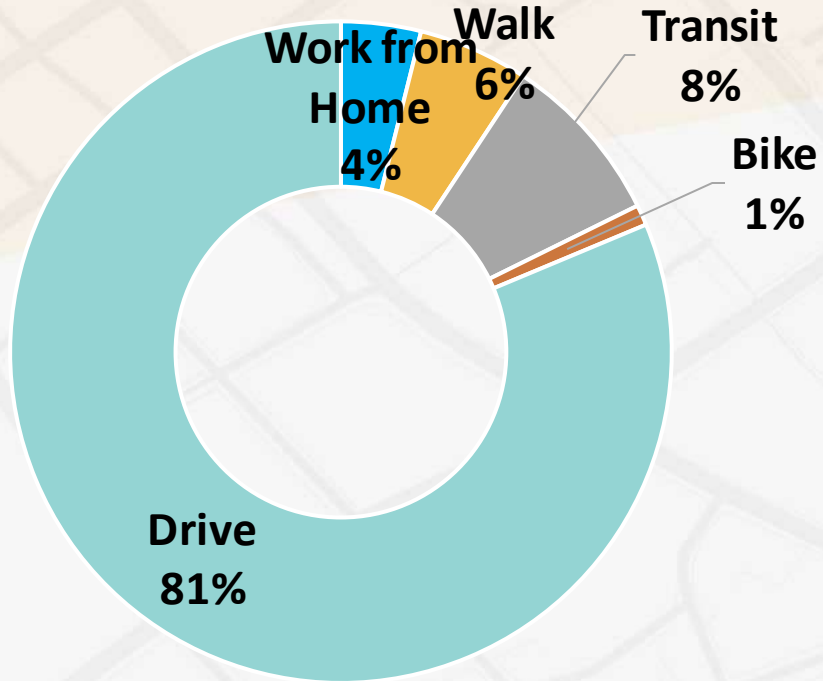
Vehicles use  
198 Ala Wai Blvd  
spaces in 42 hours



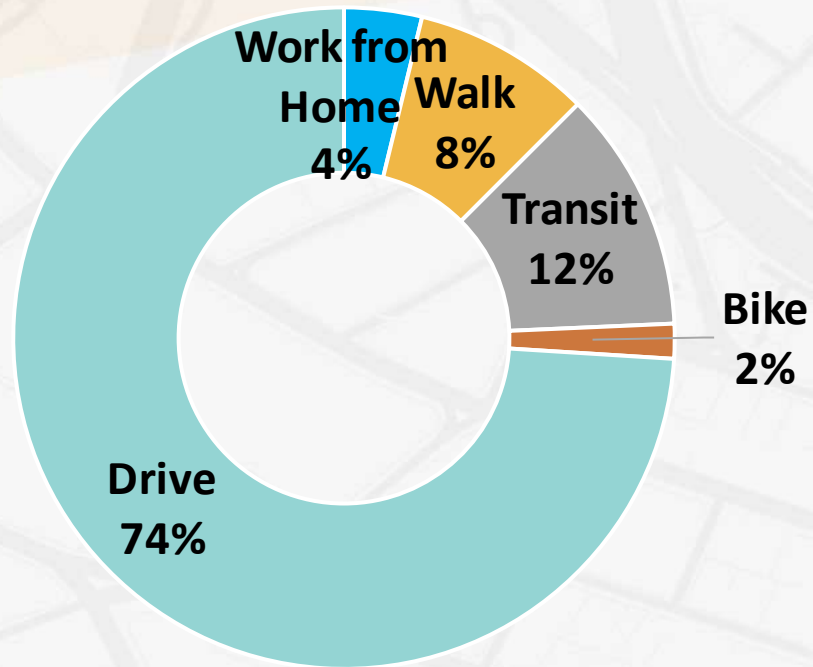
# Getting Around Commuting

*30% of Waikiki residents  
commute by walking or  
biking*

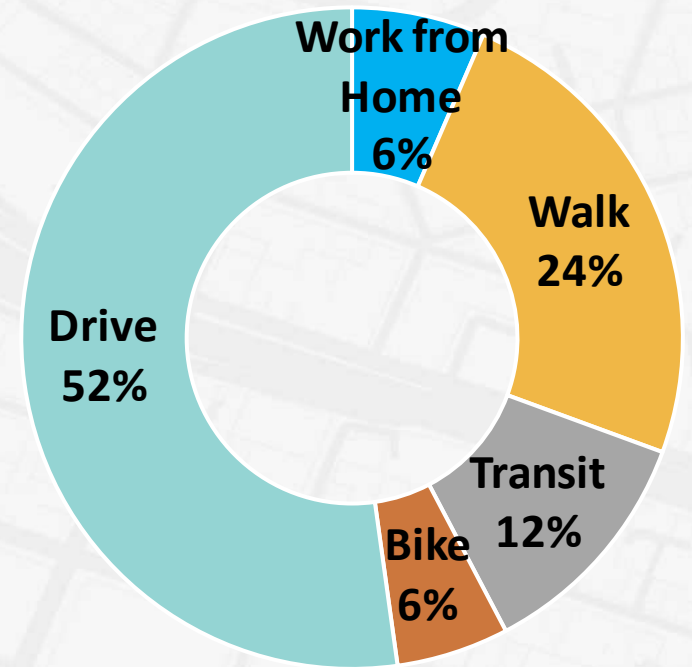
## Island-Wide



## Urban Honolulu



## Waikiki



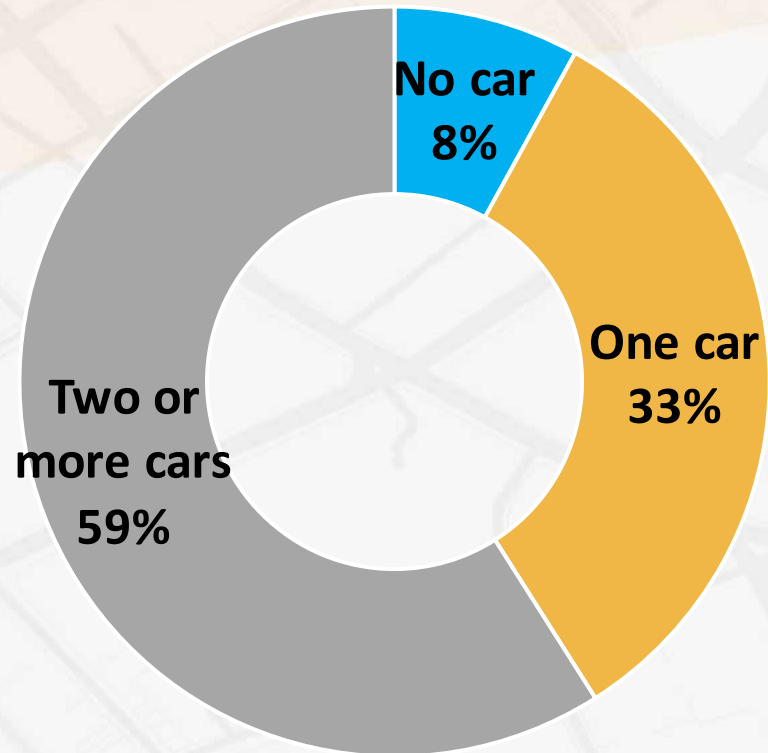
Source: 2014-2018 ACS 5-year estimates



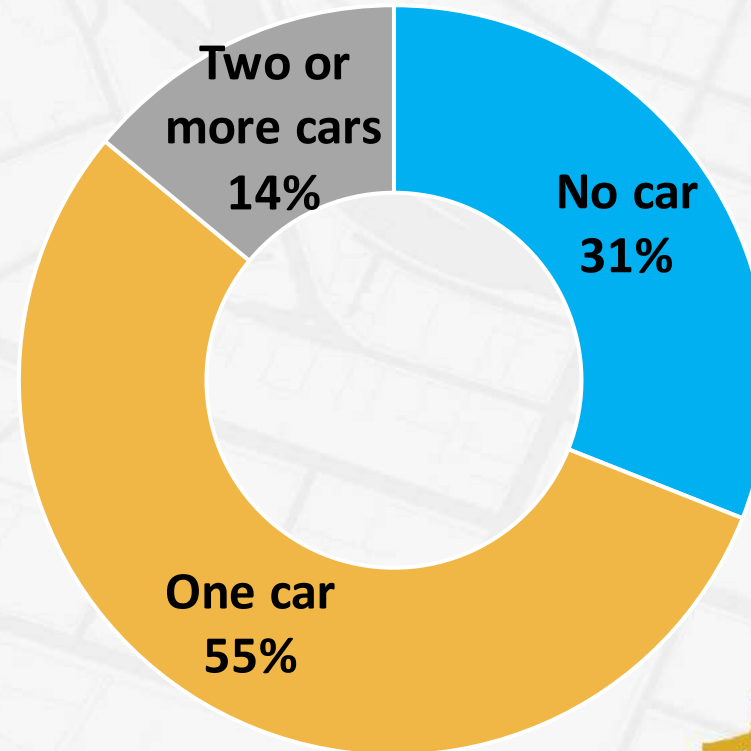
# Getting Around Car Ownership

*86% of Waikiki  
residents are low or  
no car households*

## Oahu



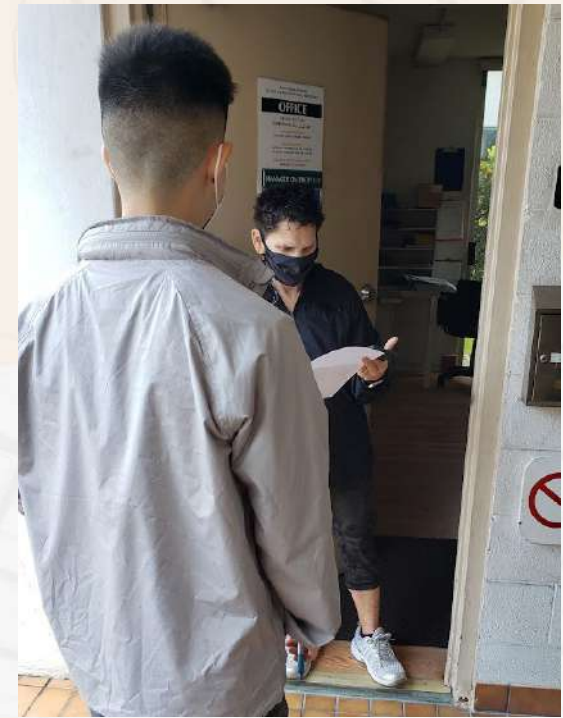
## Waikiki





# Community Engagement

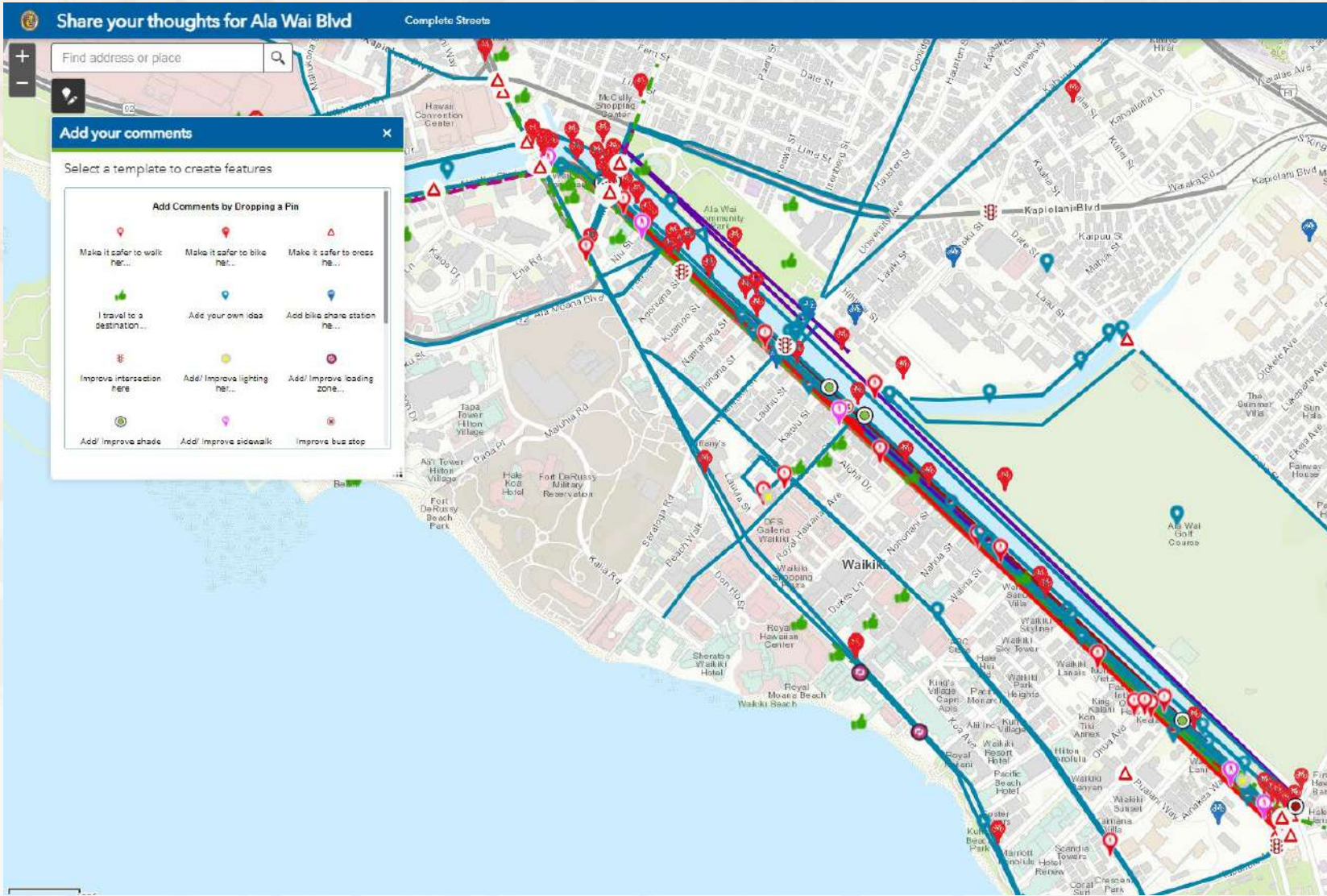
- Community Workshop #1 (2021)
- Neighborhood Board presentations
- Stakeholder meetings
- Door-to-door and on-the-street outreach to residents and businesses
- Web mapping and online comments
- Email and phone comments



# What we've heard – key takeaways

- Desire for better bike facilities and concern about existing biking conditions
- Desire for street to better serve pedestrians with safer crossing and lower vehicle speeds
- Desire to balance the streets multimodal needs, including emergency response and large vehicles
- Desire to maintain and enhance the beauty of the street with trees, landscaping, and scenic views



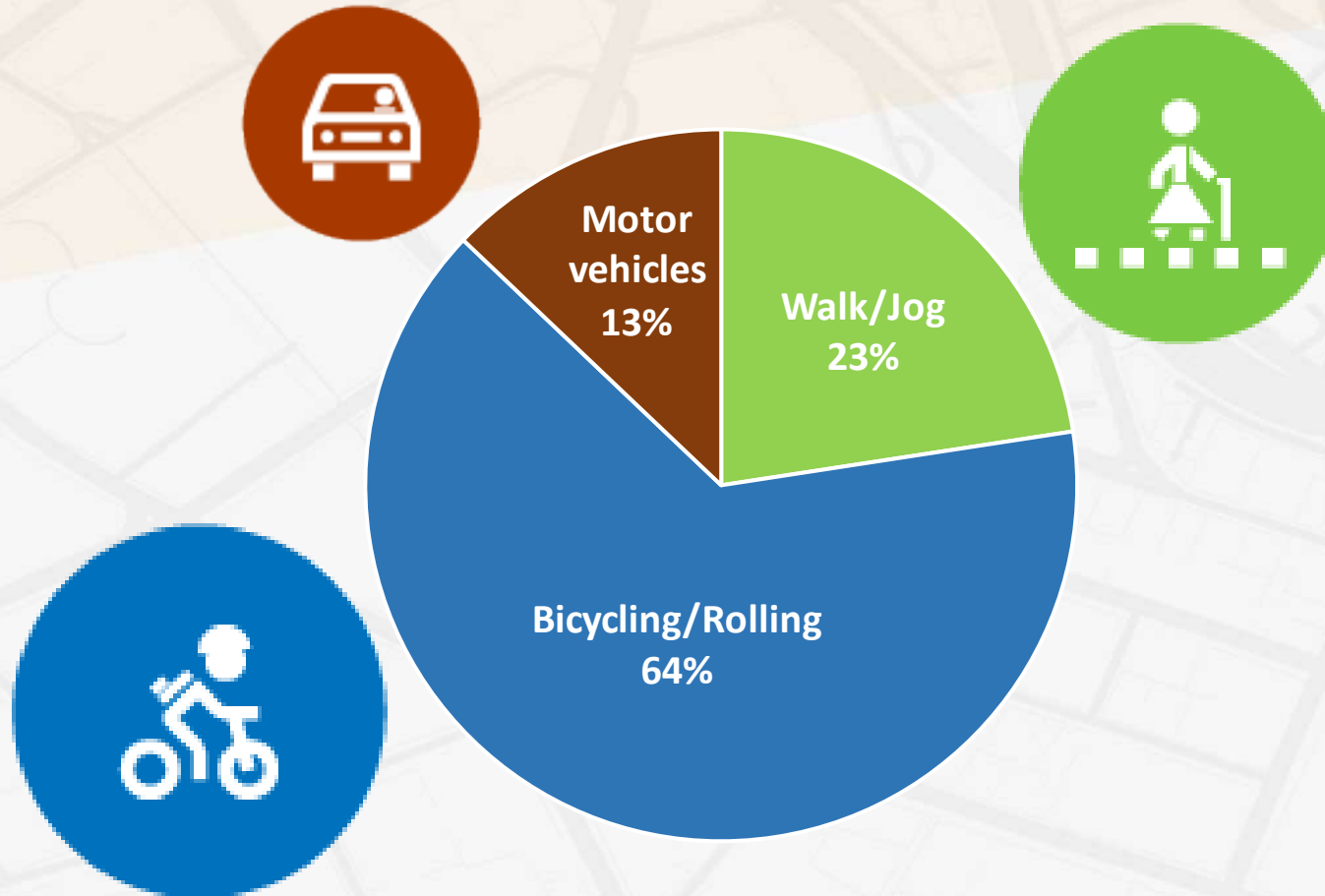


- 319 comments received
- 122 (38%) bicycle safety
- 92 (29%) pedestrian safety



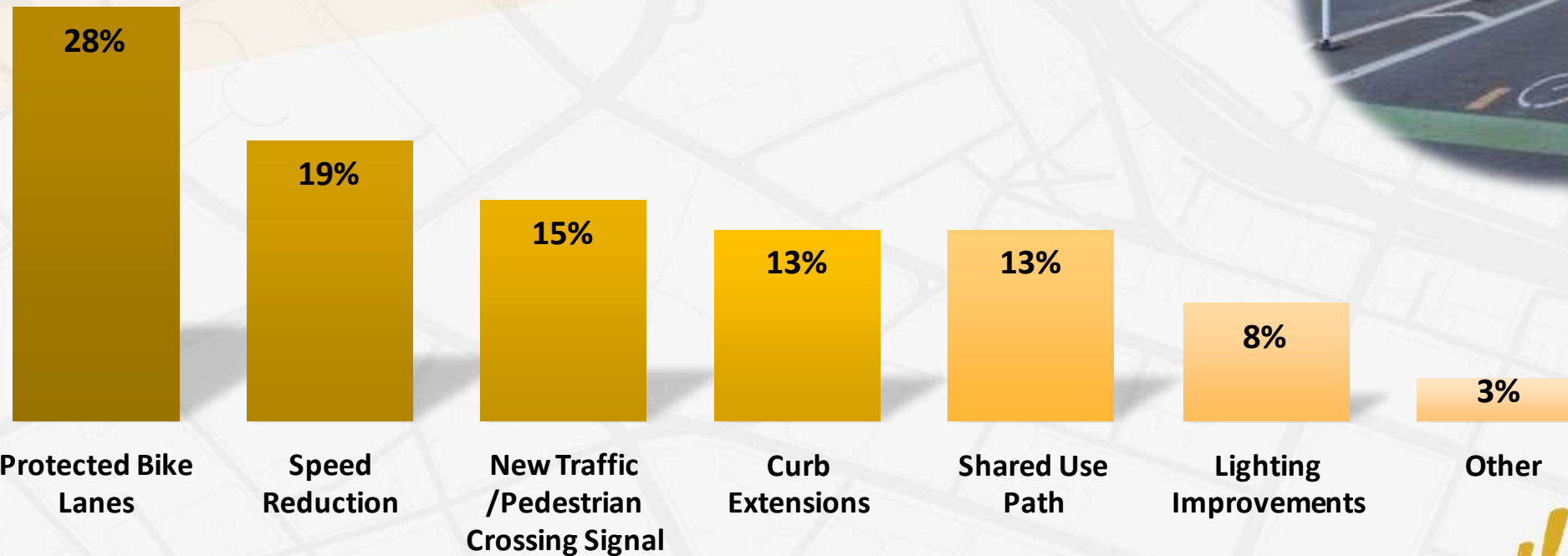
# What we heard at the kick-off meeting...

What mode needs the most improvement with this project?



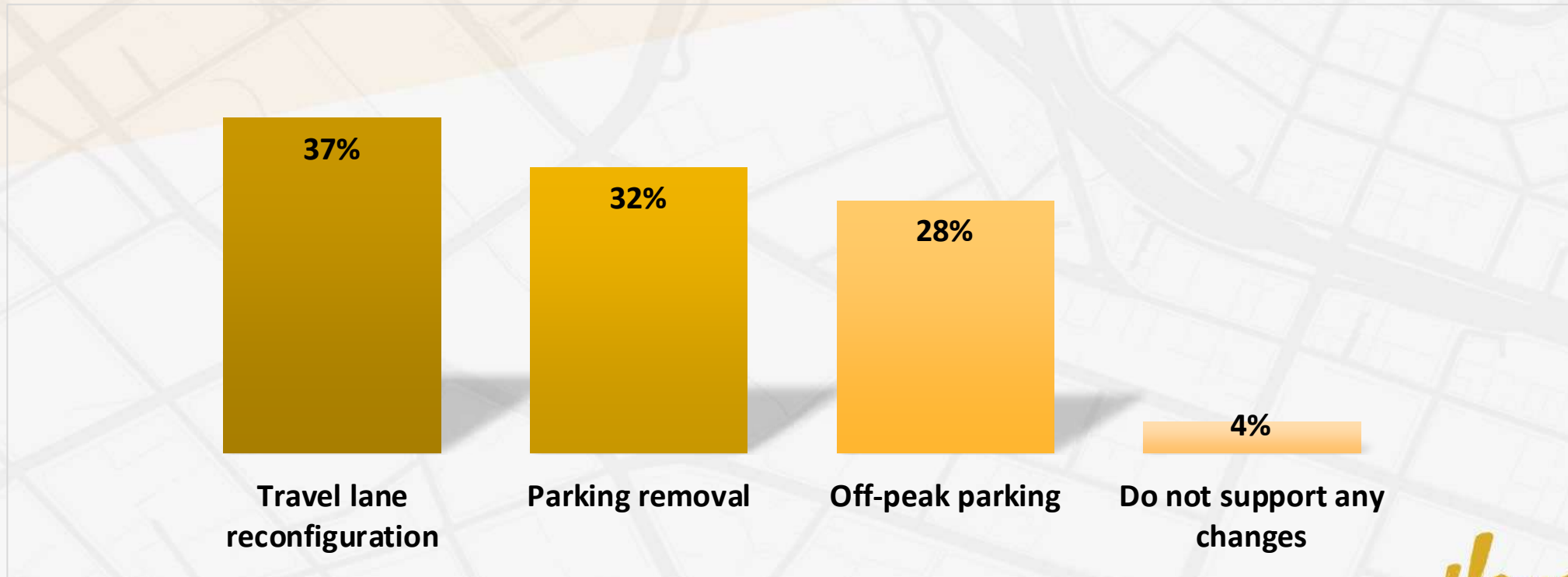
# What we heard at the kick-off meeting...

## Which improvements are you most interested in?



# What we heard at the kick-off meeting...

Which trade-offs would you be willing to accept to accommodate a shared use path or protected bike lanes?



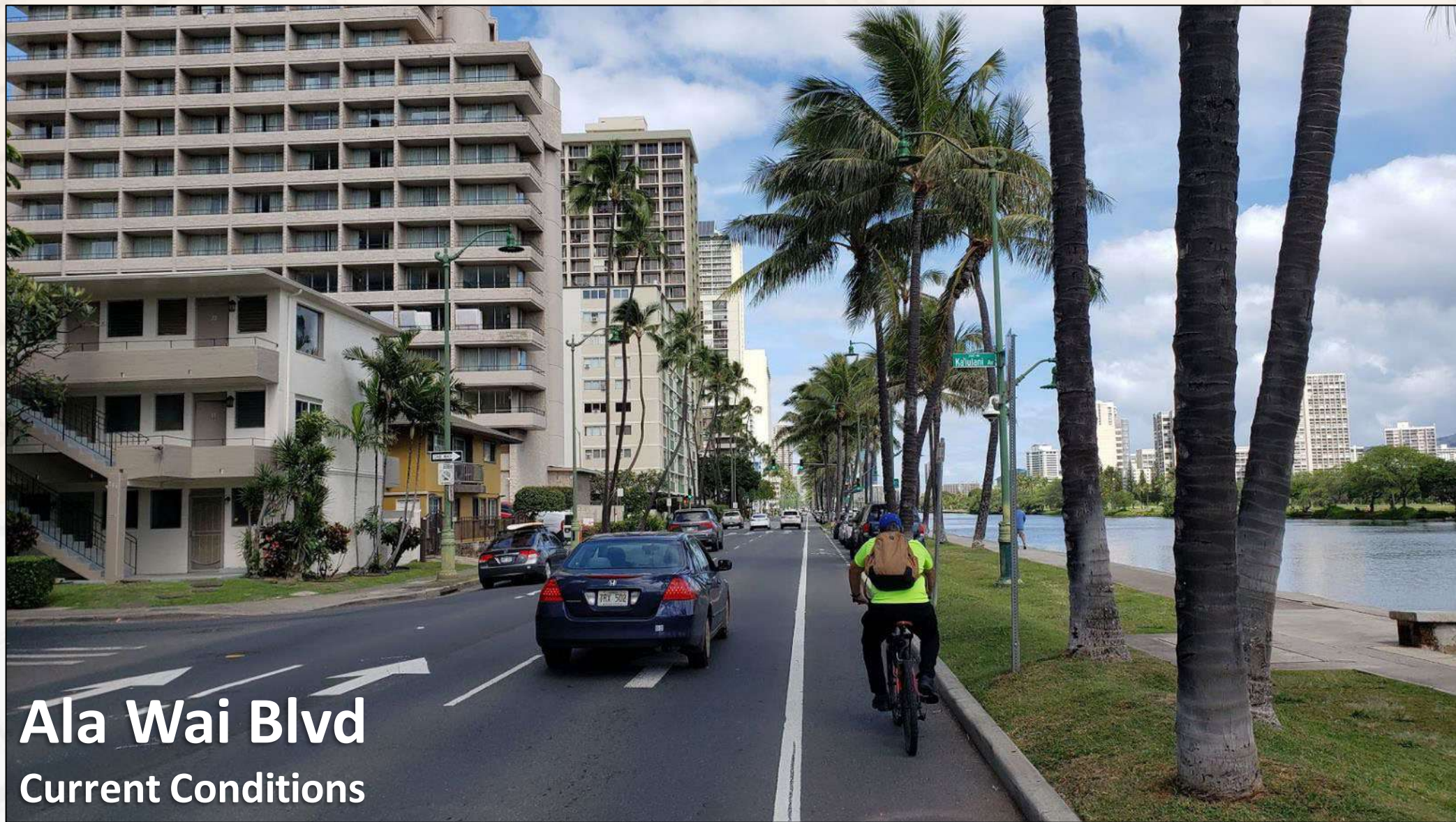
# **ALA WAI BOULEVARD Proposed Improvements**

# Ala Wai Boulevard Proposed Improvements

- Two-Way Protected Bikeway
- Curb Extensions
- Additional Pedestrian Crossings including Pedestrian Crossing Beacons
- Speed Limit Reduction
- Lighting Improvements



# Two-Way Protected Bikeway



**Ala Wai Blvd**  
**Current Conditions**



**Ala Wai Blvd**  
Current Conditions

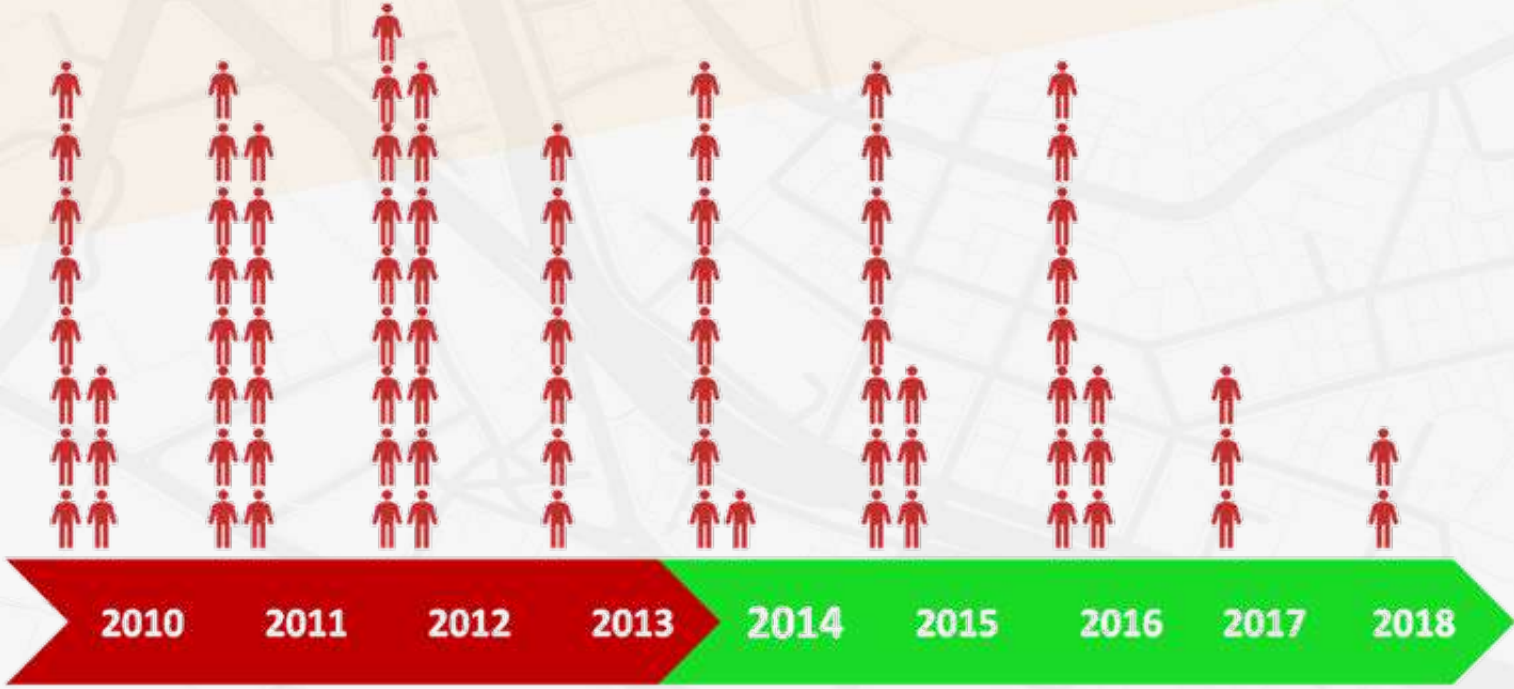


**South St**  
Two-way Bikeway



**S King St**  
Two-way Bikeway  
(parking/peak hour lane)

# Bike Facilities also Benefit People Walking

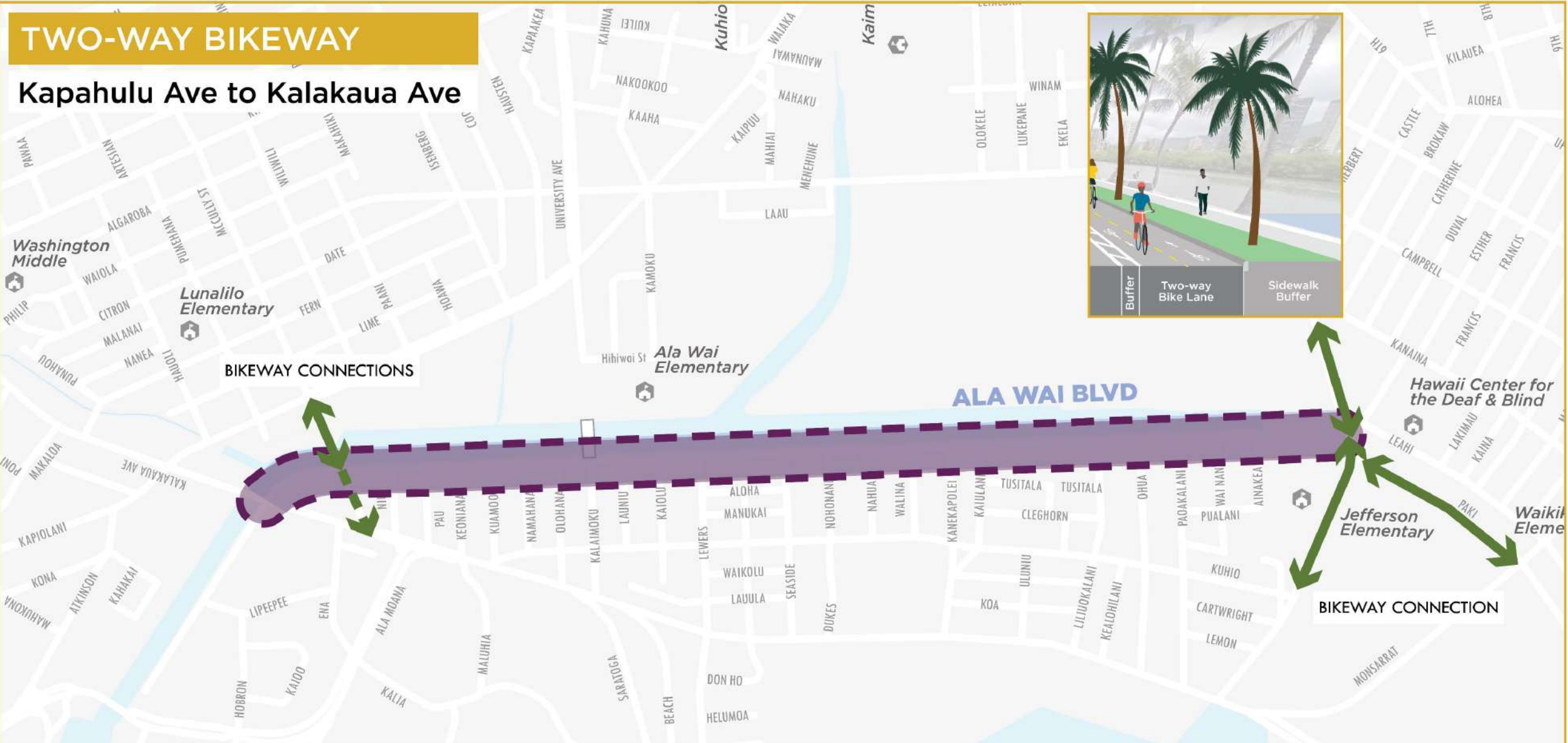
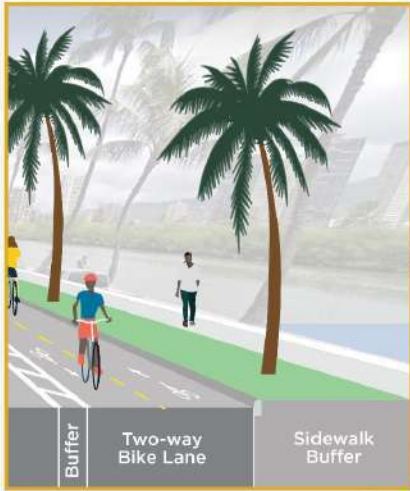


Pedestrian-Motor Vehicle Crashes on King Street - EMS attended Before and After Protected Bike Lane (2014)



# TWO-WAY BIKEWAY

## Kapahulu Ave to Kalakaua Ave



- Proposed Bike Facilities
- Existing Bike Lane
- Existing Bike Path
- Existing Bike Route
- Future Ala Wai Bridge Connection
- Existing Separated Bike Lane
- Public Schools
- Biki Stations
- Bus Stops

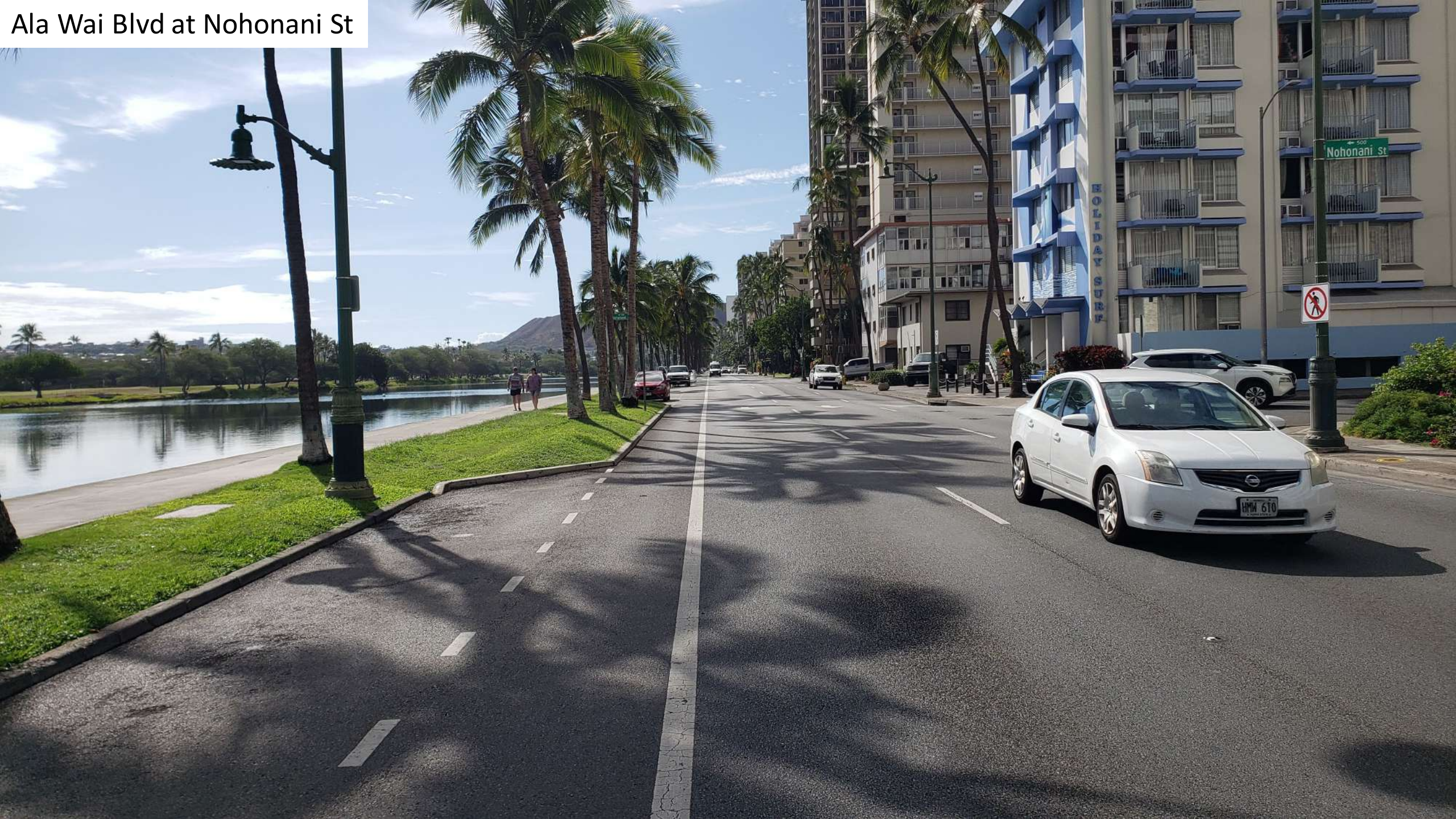
### Ala Wai Corridor



Sources: City of Honolulu, State of Hawaii



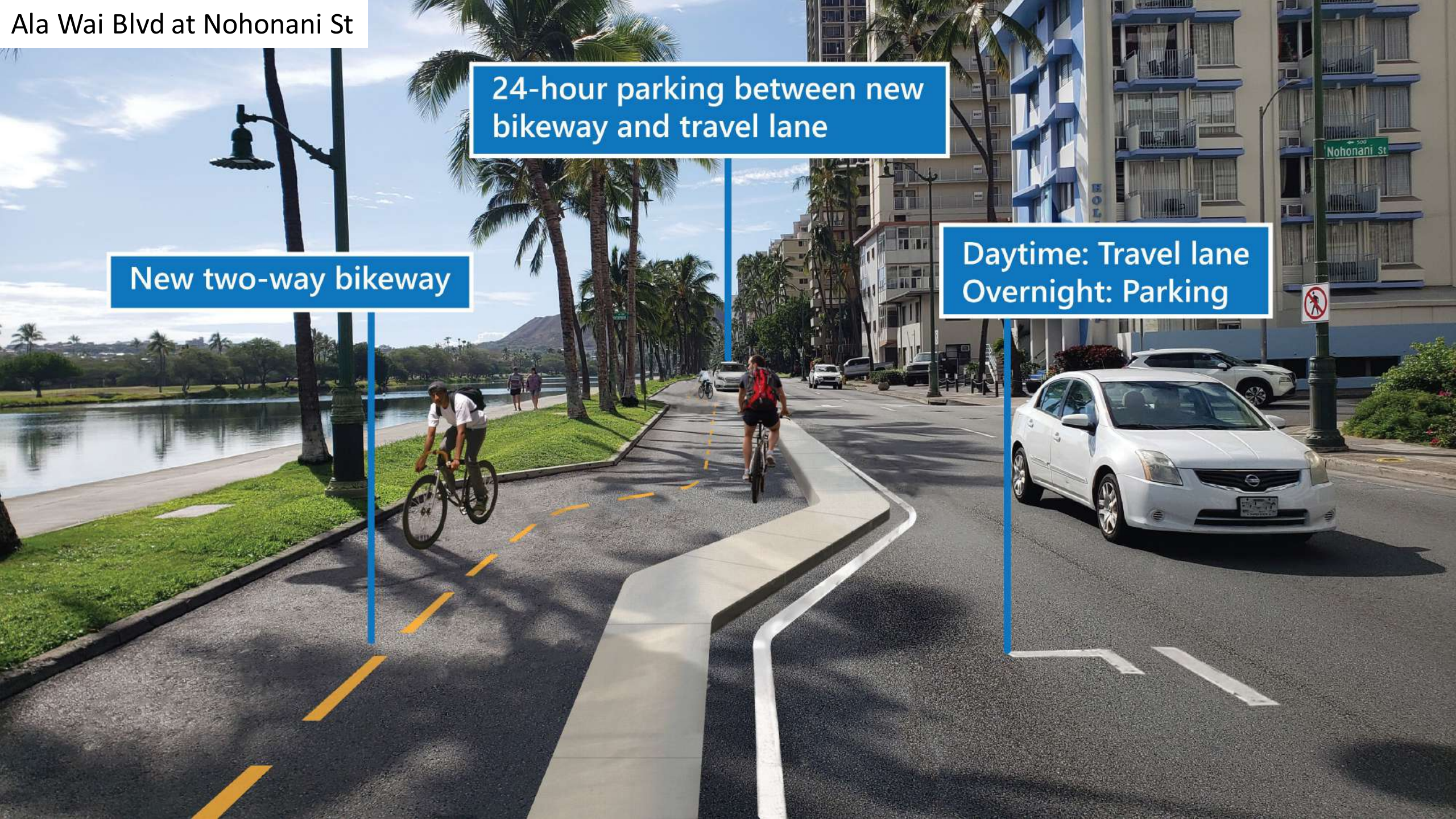
Ala Wai Blvd at Nohonani St



24-hour parking between new bikeway and travel lane

New two-way bikeway

Daytime: Travel lane  
Overnight: Parking





# Bikeway Protection: Materials



Concrete (Modular)



Planters



Tuffcurb and Post

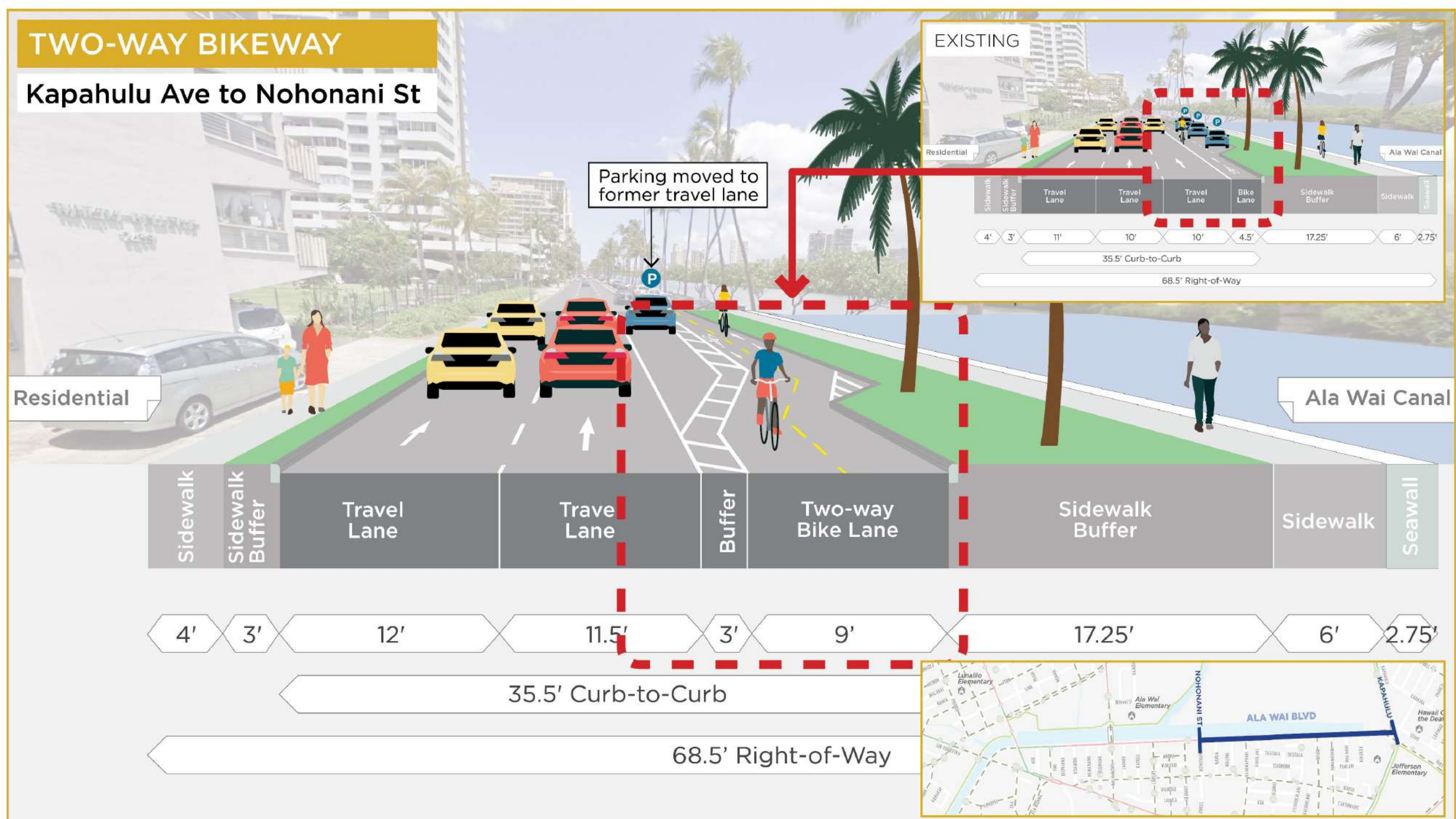


Concrete (Cast in Place)



# TWO-WAY BIKEWAY

## Kapahulu Ave to Nohonani St



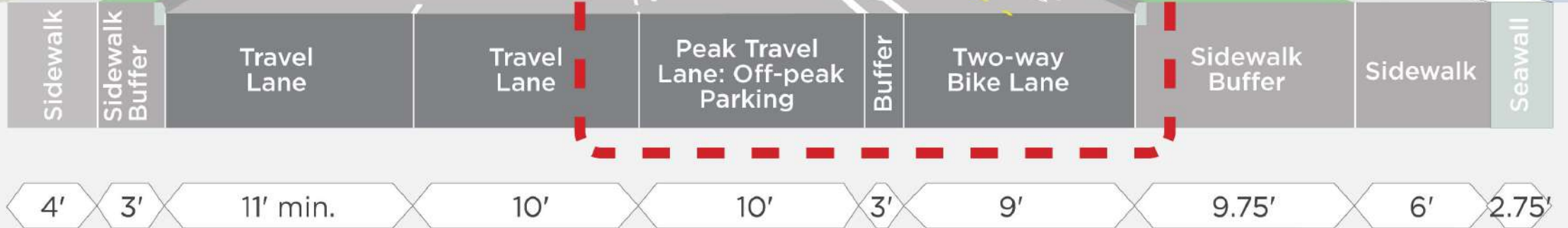
# TWO-WAY BIKEWAY

## Nohonani St to Keoniana St

Peak Hours: Parking lane becomes additional travel lane to match existing conditions

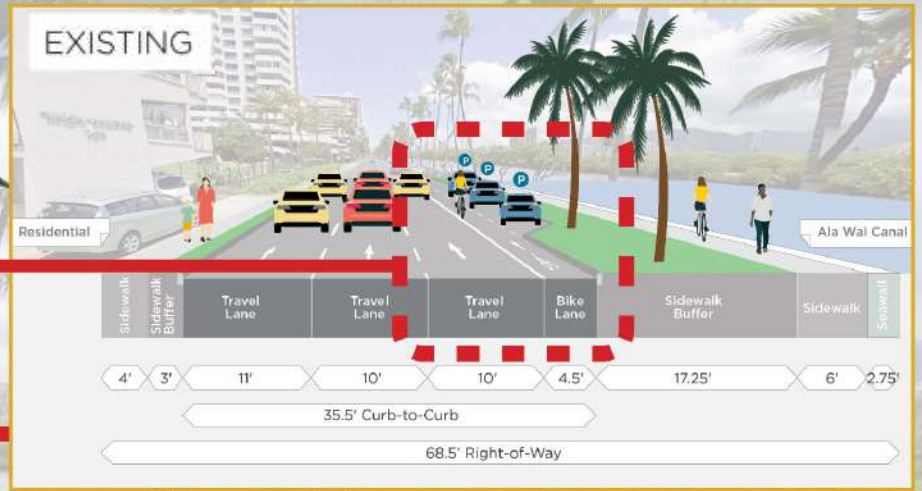
Residential

Ala Wai Canal



43' Curb-to-Curb

68.5' Right-of-Way

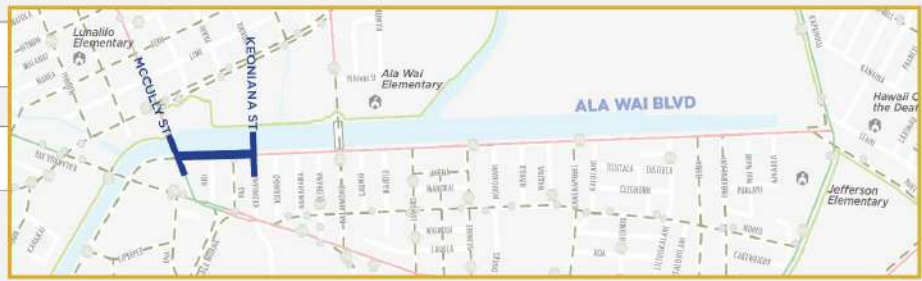
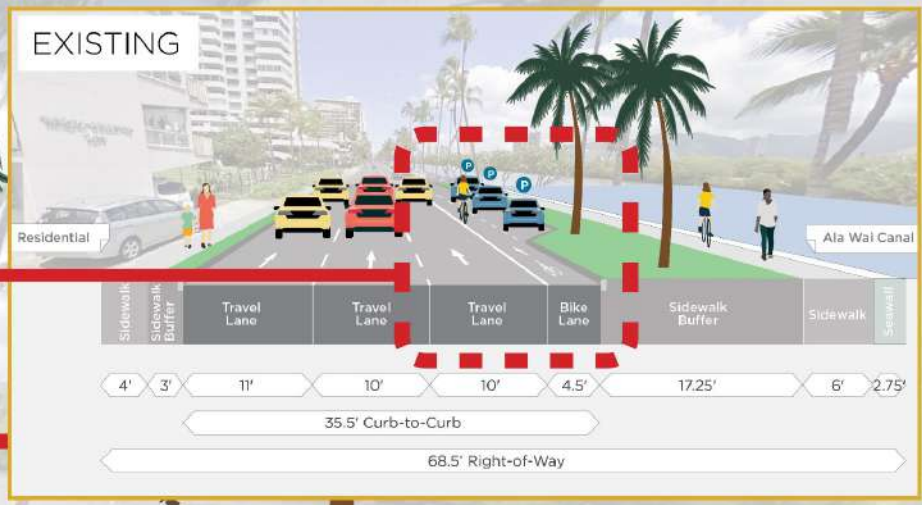
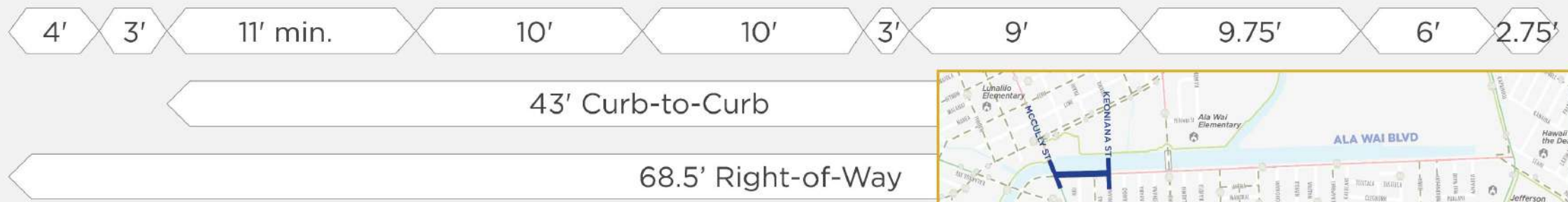


# TWO-WAY BIKEWAY

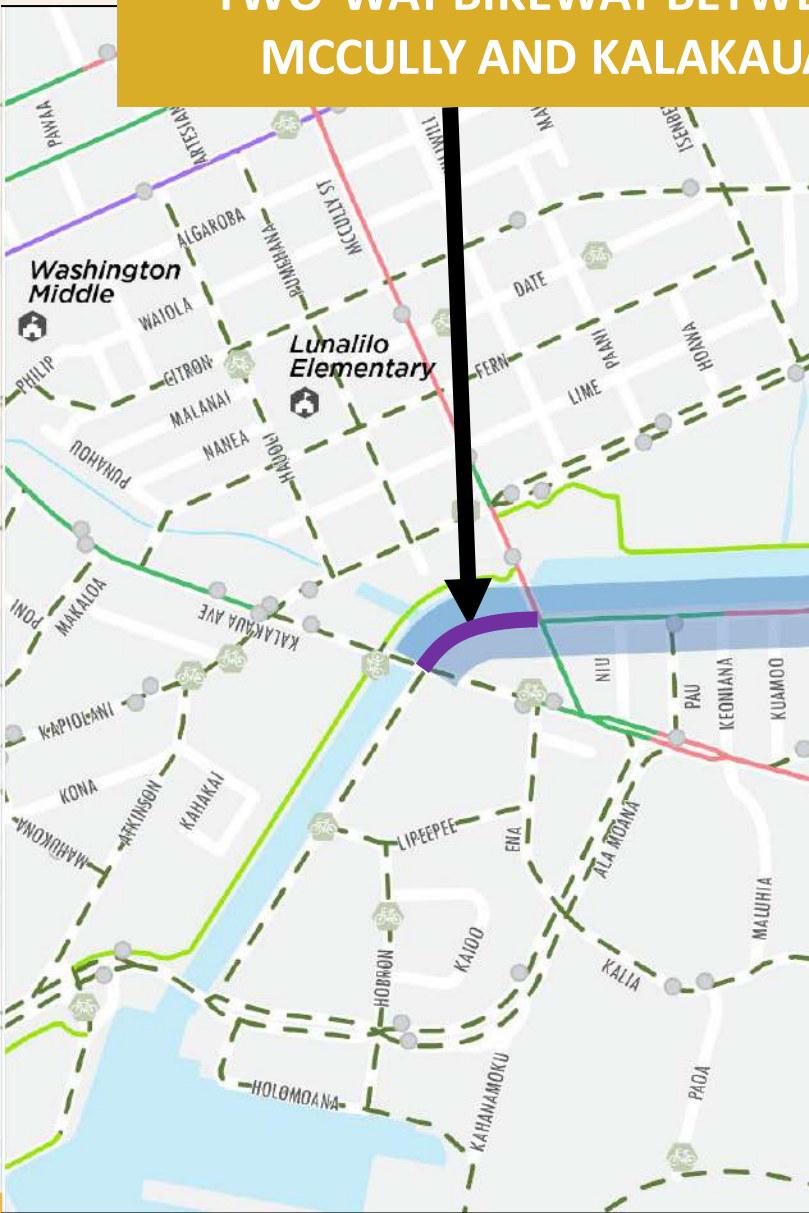
## Keoniana St to McCully St

Residential

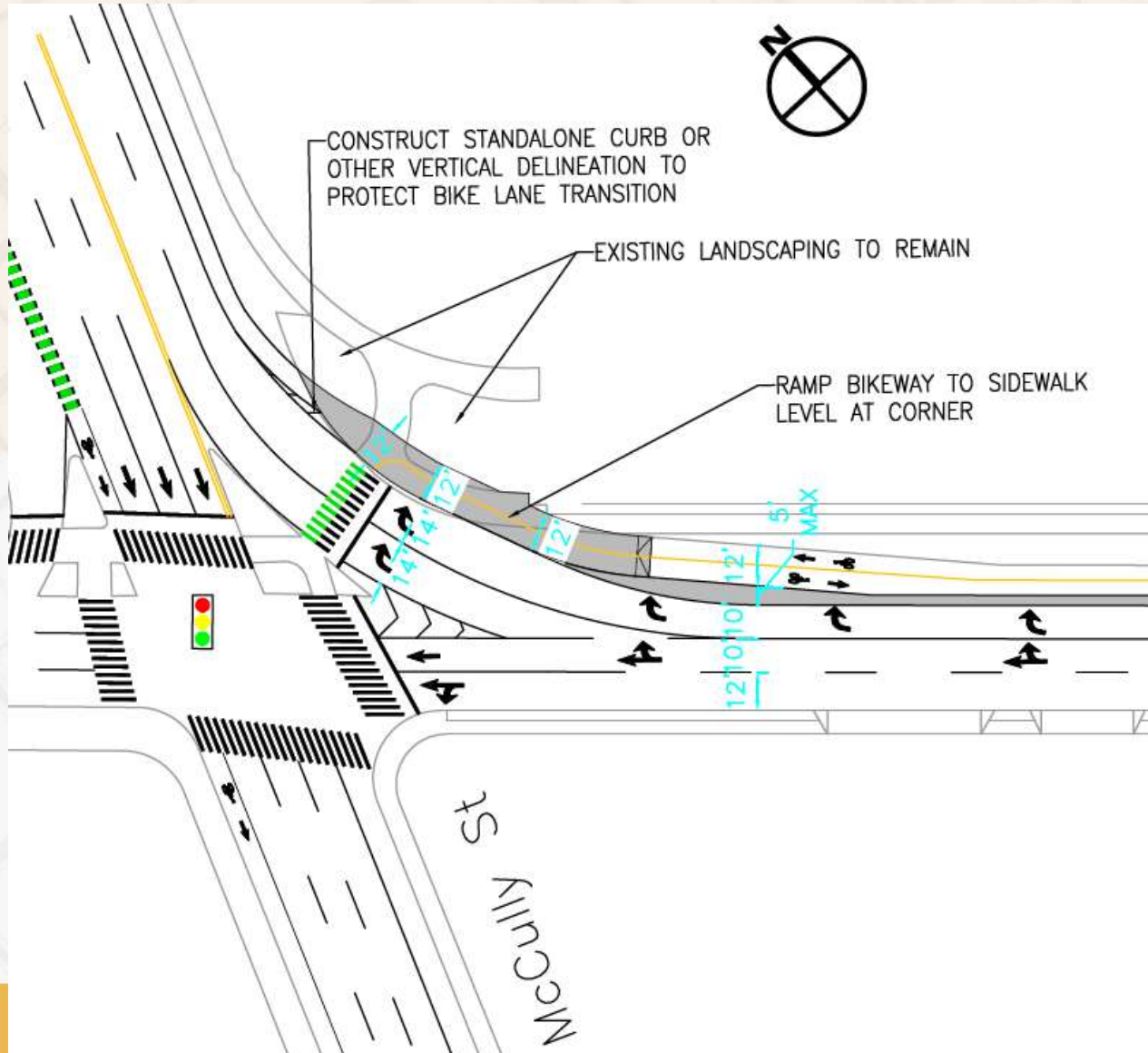
Ala Wai Canal



# TWO-WAY BIKEWAY BETWEEN MCCULLY AND KALAKAUA



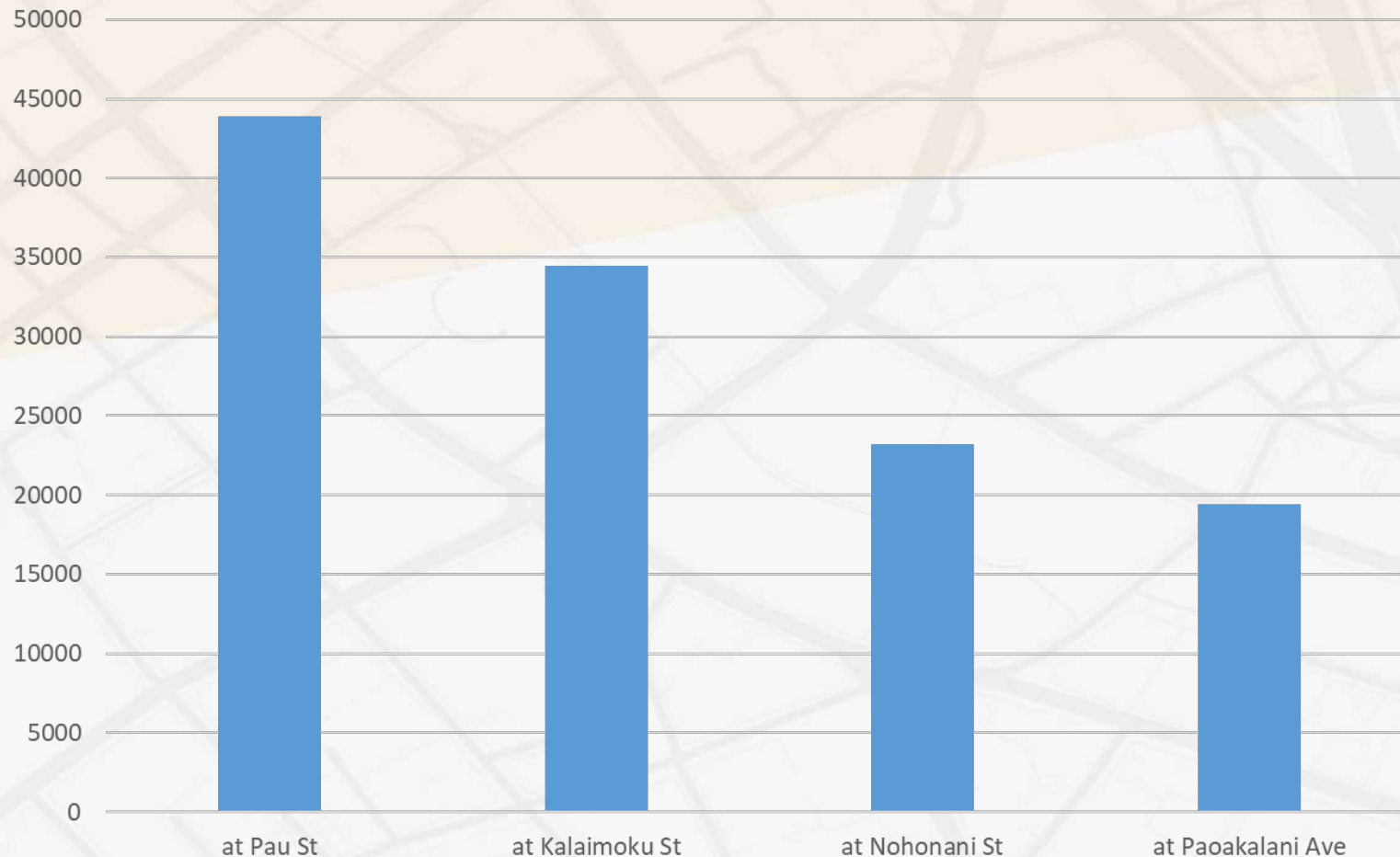
# Balancing Multimodal Needs – Vehicular Traffic



- **Short section of shared use path**
- **2 right turn lanes onto McCully Street**

# Balancing Multimodal Needs – Vehicular Traffic

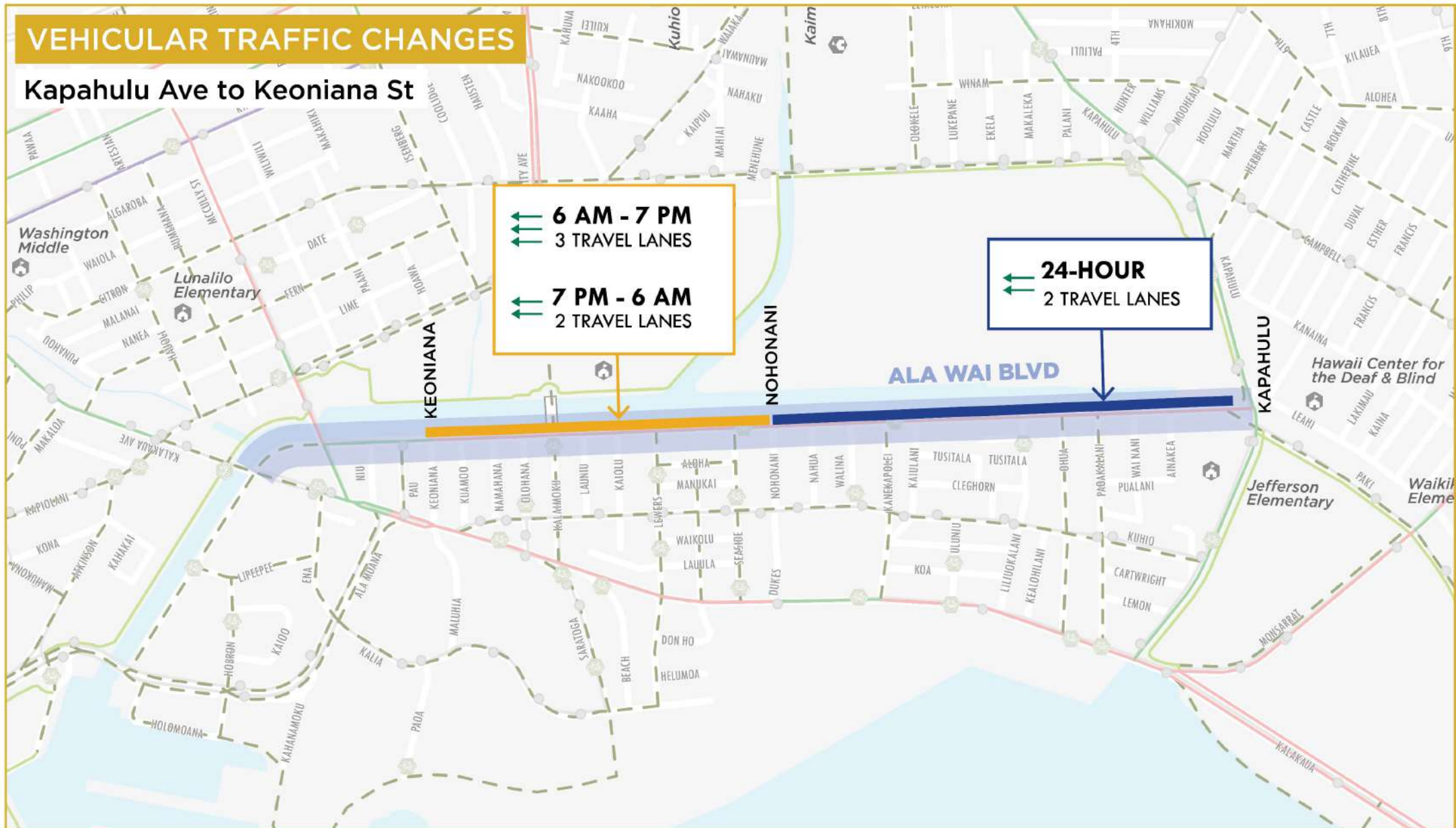
Ala Wai Boulevard Daily Traffic Volumes



***There is less than half the traffic on Ala Wai Boulevard at Paoakalani Avenue vs at Pau Street***

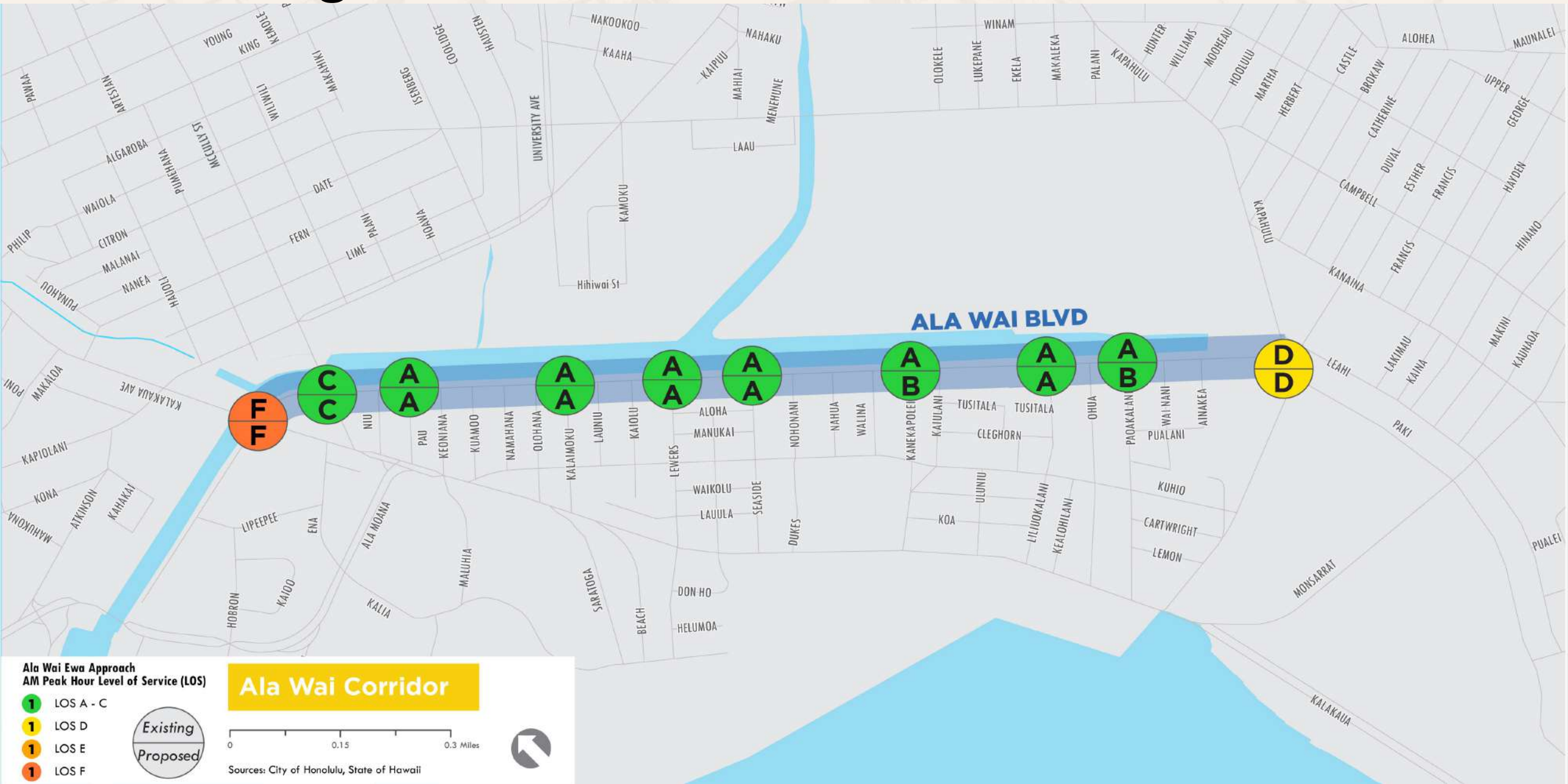


# Balancing Multimodal Needs – Vehicular Traffic

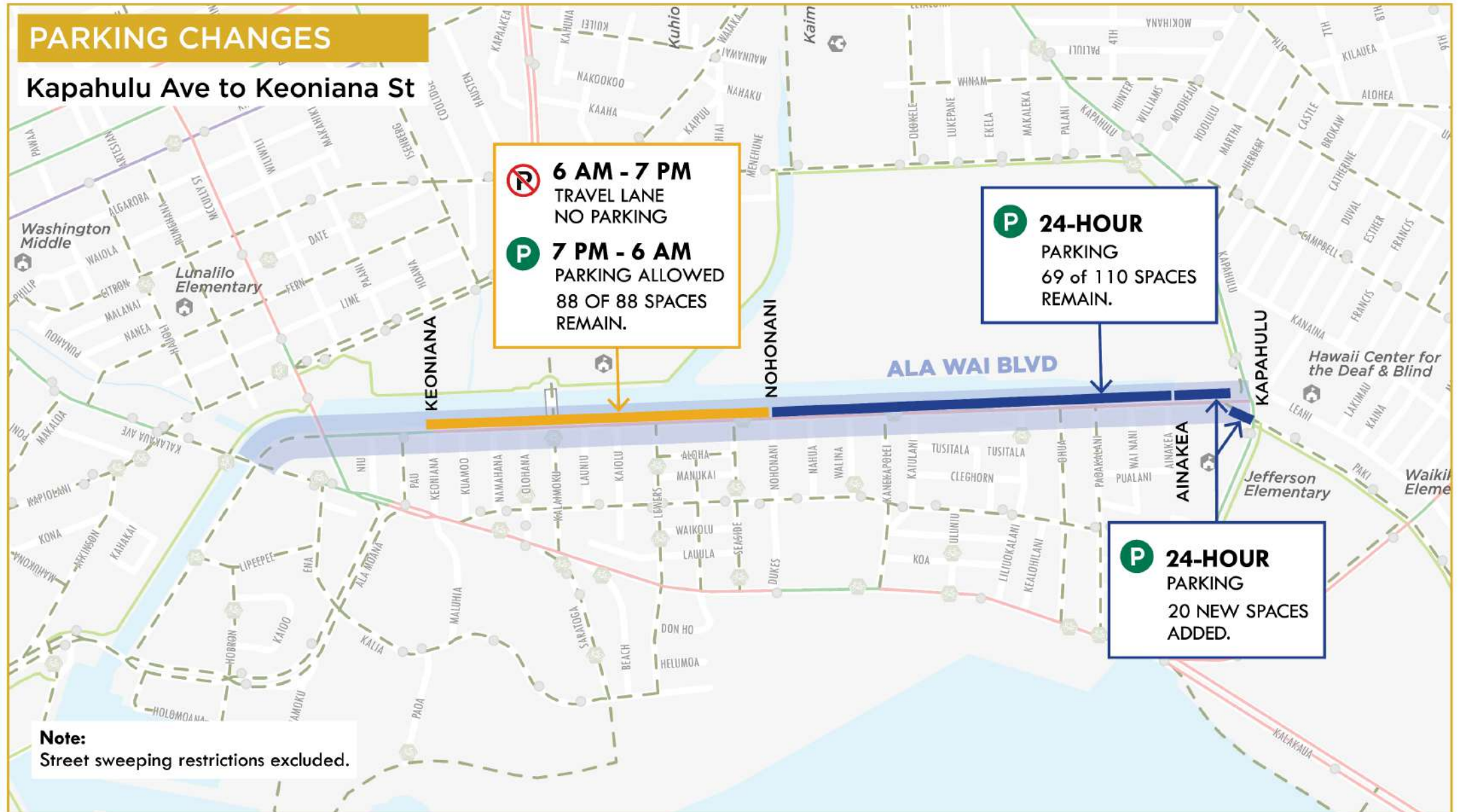




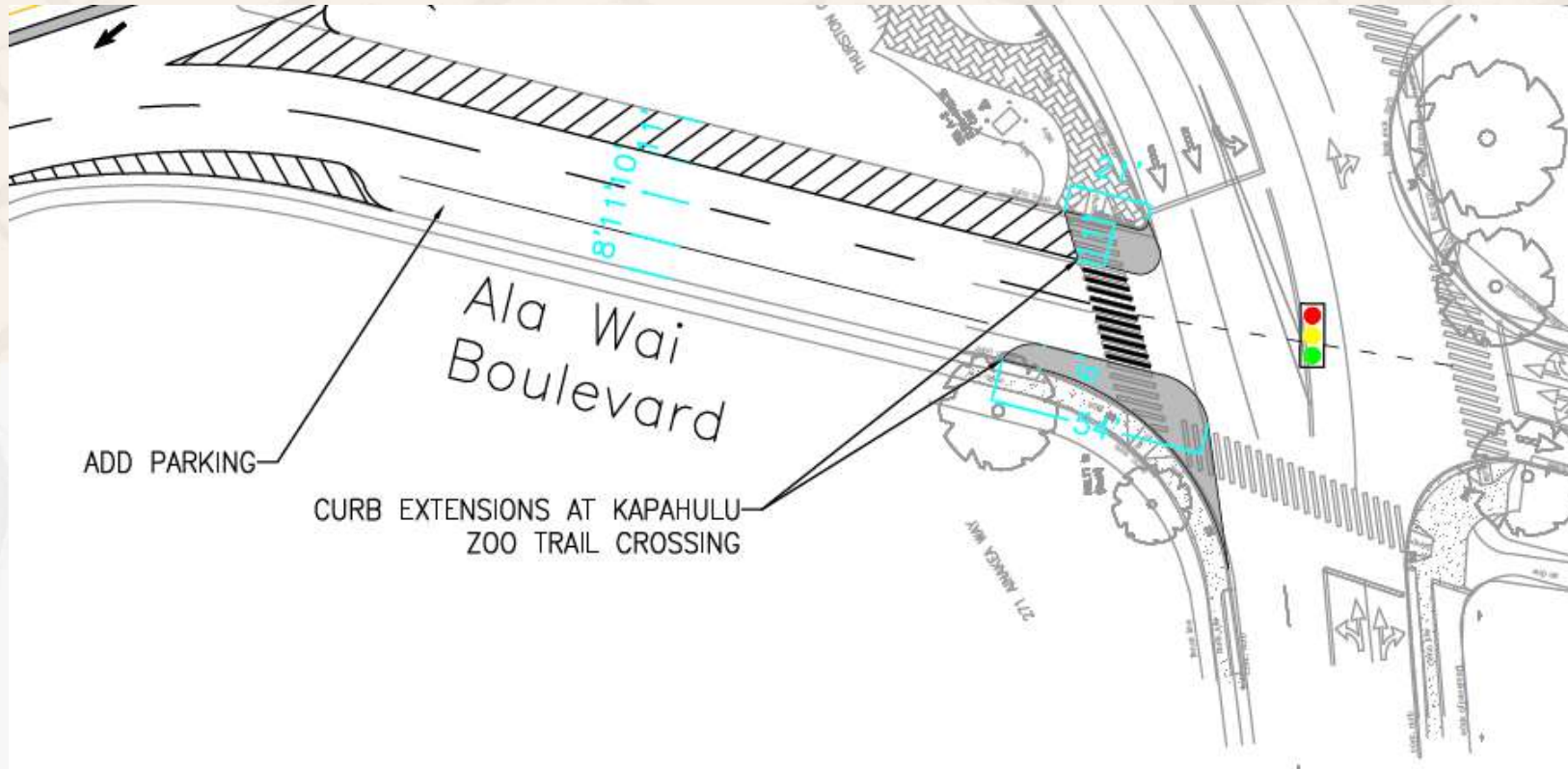
# Balancing Multimodal Needs – Vehicular Traffic



# Balancing Multimodal Needs – Parking



# Balancing Multimodal Needs – Parking



- **New full-time parking added between Ainakea Way and Kapahulu Ave**
- **177 parking spaces (21 net removed)**

# Balancing Multimodal Needs – Trees



- **316 total trees on mauka side**
- **9 bulbouts removed**
- **56 trees impacted**
- **All trees impacted will be moved or replaced**

# Polling Question #1

Do you support the two-way protected bike lane along Ala Wai Boulevard?

- a. Like it
- b. Mostly like, but needs some adjustments
- c. Neutral
- d. Don't like it
- e. Not sure

# Additional Pedestrian Crossings





**4 areas with long gaps  
between pedestrian crossings**





**High crossing activity aligns with long gaps between crossings**





# NEW PEDESTRIAN CROSSINGS



RECTANGULAR RAPID FLASHING BEACON

ENHANCED SIGNAGE

ENHANCED SIGNAGE

## Ala Wai Corridor

-  Existing signal with crosswalk
-  New uncontrolled crosswalk

0 0.15 0.3 Miles

Sources: City of Honolulu, State of Hawaii



# Rectangular Rapid Flashing Beacons (RRFB)



Kamakee Street (Kakaako)

- 3 lane crossing at Namahana St need enhanced treatment
- RRFBs are proven safety measures at such crossings



Ala Wai Blvd

ONE WAY

STOP

Nahua St at Ala Wai Blvd



New pedestrian crossing

Parking

Curb extension

Two lanes

Nahua St at Ala Wai Blvd

# Polling Question #2

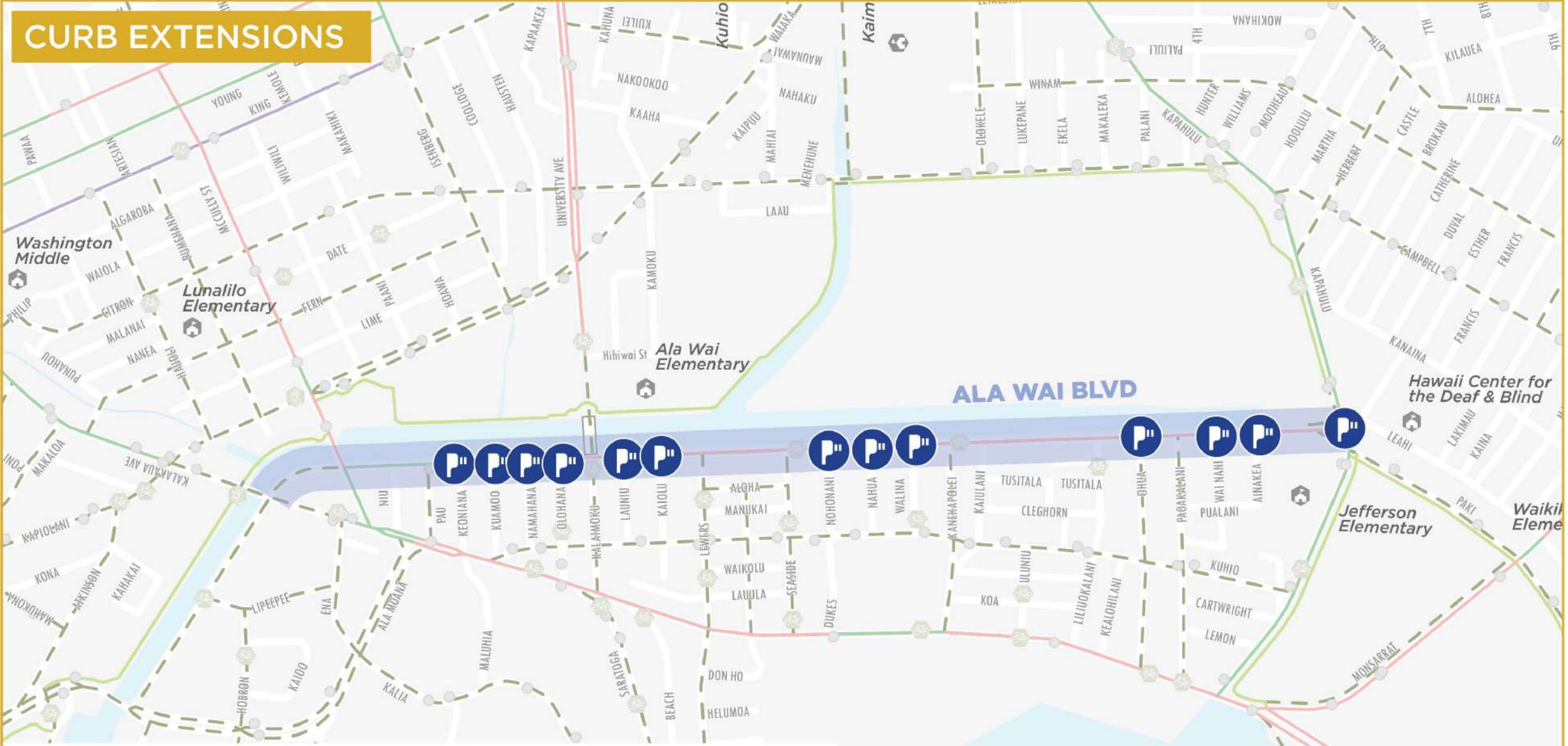
Do you support additional crossings of Ala Wai Boulevard?

- a. Like it
- b. Mostly like, but needs some adjustments
- c. Neutral
- d. Don't like it
- e. Not sure

# Side Street Curb Extensions



# CURB EXTENSIONS



- Proposed Bike Facilities
- Two-way Protected Bike Facilities
- Public Schools
- Bus Stops
- Biki Stations
- Existing Bike Path
- Existing Bike Lane
- Existing Separated Bike Lane
- Proposed Curb Extension
- New Signal

**Ala Wai Corridor**

0      0.15      0.3 Miles

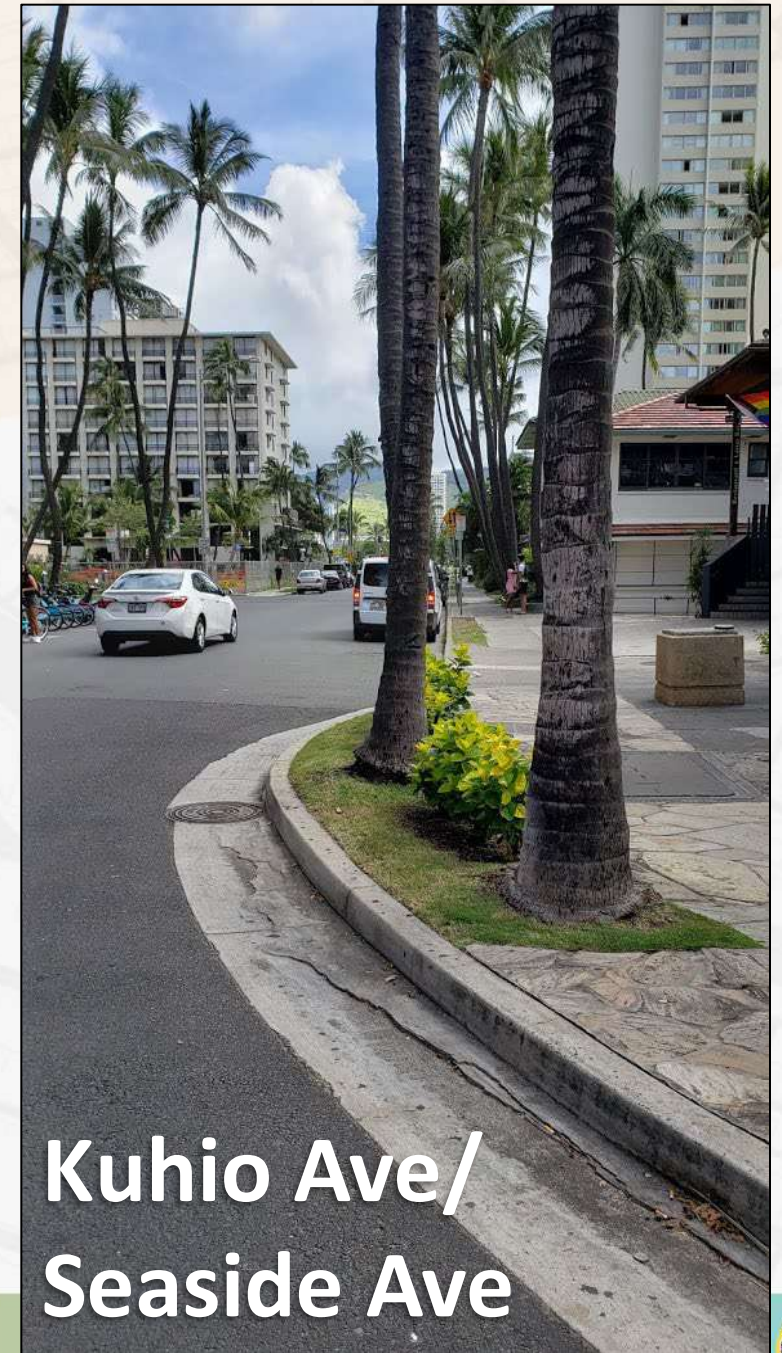
Sources: City of Honolulu, State of Hawaii



# Curb Extensions Examples



Kuhio Ave/Nahua St



Kuhio Ave/  
Seaside Ave



# Curb Extensions Examples



**Pauahi St/Smith St**

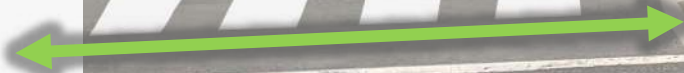


**N King St/Haka Dr**





25'



# Polling Question #3

Do you support the curb extensions at cross streets?


- a. Like it
- b. Mostly like, but needs some adjustments
- c. Neutral
- d. Don't like it
- e. Not sure



# Speed Limit Reduction

# Speed and Safety

**Ala Wai Blvd**



A white rectangular sign with a black border containing the text "SPEED LIMIT 35".



**5%** chance of pedestrian fatality



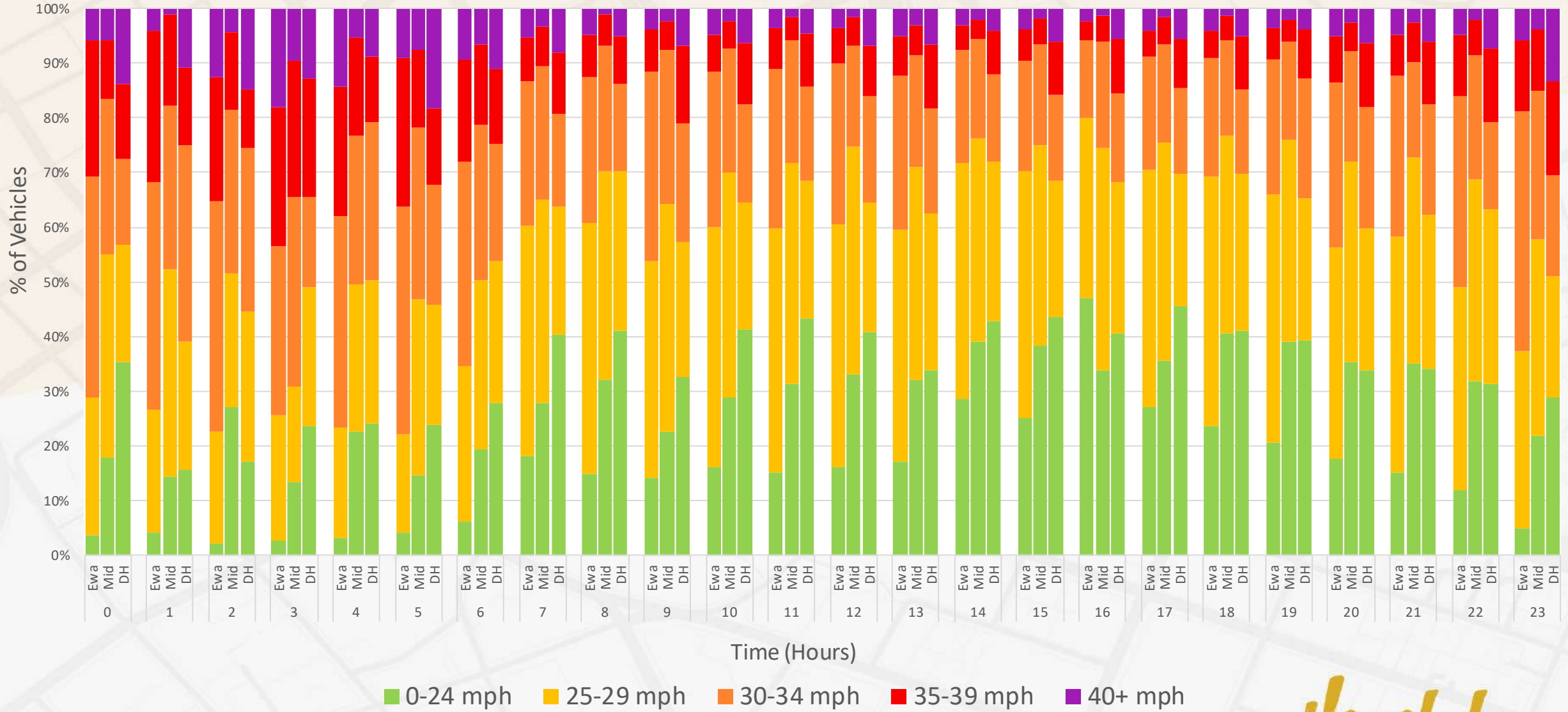
**45%** chance of pedestrian fatality



**85%** chance of pedestrian fatality



# Speed Thresholds by Segment



# Speed Limit Reduction – 25 mph

- Improve safety for all roadway users
  - Nearly 1/3 of traffic fatalities on Oahu involve excessive speed
- Support multimodal activity
- Bringing Ala Wai Blvd in line with the 25 mph Waikiki district-wide speed limit
  - Ala Moana Blvd was recently changed to 25 mph





# Polling Question #4

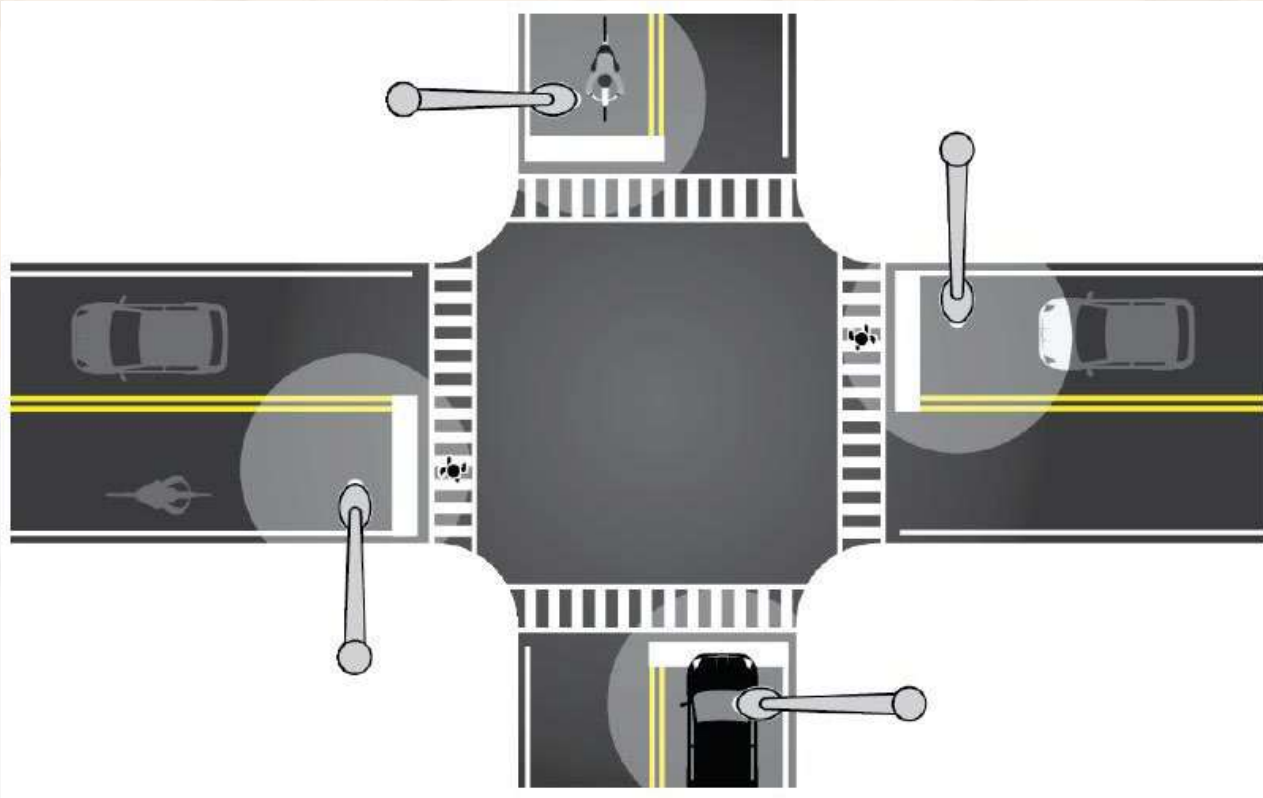
Do you support a 25 mph speed limit on Ala Wai Boulevard?

- a. Like it
- b. Think it should be higher than 25 mph
- c. Think it should be lower than 25 mph
- d. Neutral

# Lighting Improvements



# Lighting



- **Lighting improves safety for all modes**
- **Lighting is particularly important for pedestrian and bike safety**

# Lighting



- **Lighting study will identify, if needed:**
  - **New lights**
  - **Light level adjustments**

# Your Input

# Polling Question #5

Which improvements are you most interested in? (Select all that apply.)

- a. Two-way Protected Bikeway
- b. Curb Extensions
- c. Additional Pedestrian Crossings
- d. Speed Limit Reduction to 25 mph
- e. Lighting Improvements

# **BREAKOUT GROUPS**

**Choose a breakout room and engage with technical experts to provide feedback on concepts**

# Protocols

1. 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

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 Group Discussions

We want to hear from you!

- What are your thoughts on the design concepts presented?

# Next Steps & Stay Involved!

- Proposed plans to be posted by 10/28/22 on the project website at <https://www.honolulu.gov/completestreets/waikiki>
- Visit the website and provide your input online
- If you'd like to follow up, please contact Daniel Alexander at (808) 768-6652 or [completestreets@honolulu.gov](mailto:completestreets@honolulu.gov)

# Mahalo for your time today!

ASK | LEARN | SHARE | CONNECT

Visit the following for more information and to stay connected:

<https://www.honolulu.gov/completestreets/waikiki>



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