



# Honolulu / KANE'OE

## COMPLETE STREETS

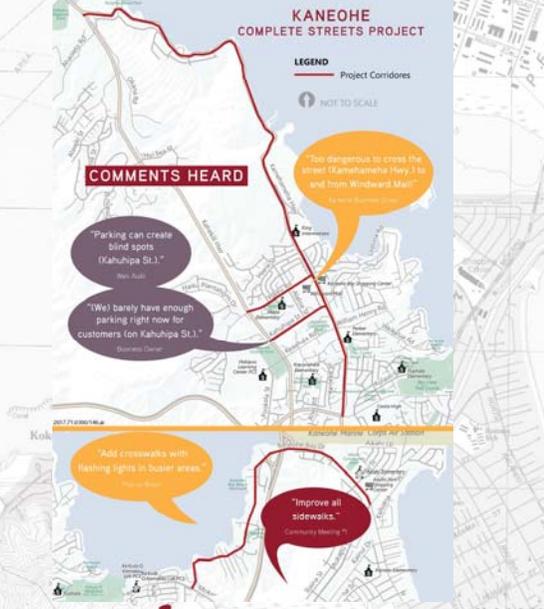
### Second Community Meeting



August 27, 2019 | 6:30pm | Rev. Benjamin Parker Elementary School

## TONIGHT'S AGENDA

- Introductions
- Presentation
  - Complete Streets Overview
  - Proposed Improvements
  - Analysis of Proposed Improvements
- Open House



**KANE'OE COMPLETE STREETS PROJECT**

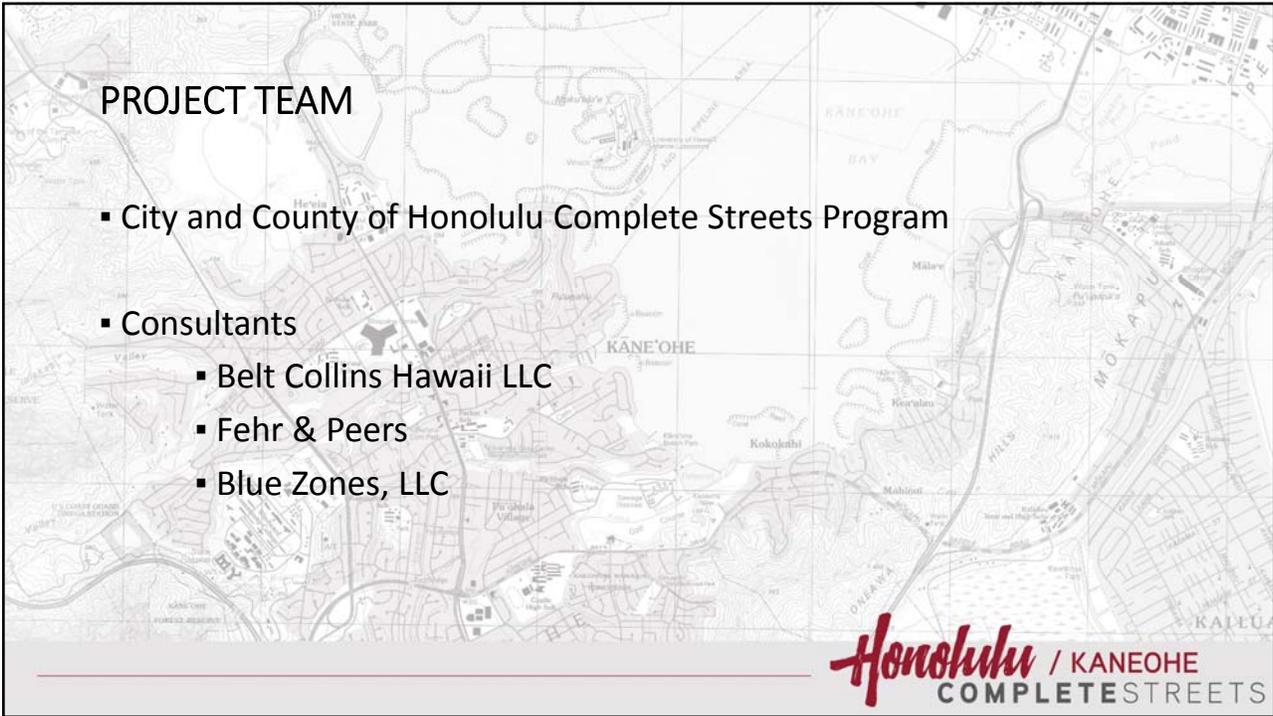
LEGEND  
Project Corridors

NOT TO SCALE

**COMMENTS HEARD**

- "Too dangerous to cross the street (Kamohamaha Hwy 1 to and from Windward Mall)"  
- Mrs. Susan
- "Parking can create blind spots (Kahuhipa St.)"  
- Mrs. Susan
- "We barely have enough parking right now for customers (on Kahuhipa St.)"  
- Business Owner
- "Add crosswalks with flashing lights in busier areas."  
- Mrs. Susan
- "Improve all sidewalks."  
- Community Meeting 1

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**PROJECT TEAM**

- City and County of Honolulu Complete Streets Program
- Consultants
  - Belt Collins Hawaii LLC
  - Fehr & Peers
  - Blue Zones, LLC

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**01**

Honolulu Complete Streets Program Overview

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## What are Complete Streets?

- It's an initiative based on law.
  - Ordinance 12-15 identifies objectives for all transportation projects to ensure:
    - The streets are a safe and convenient 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 and transportation equity.



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## What we've been doing

- Pop-up at Windward Mall (April 2018)
- Walk Audit (April 2018)
- 1<sup>st</sup> Community Meeting (April 2018)
- Business Surveys (June 2018)
- Kahuhipa Parking Study (July 2018)
- Cross Section Surveys (August 2018)
- School Observations (September 2018)
- Pop-up at Windward Mall (August 2019)

## Stakeholder Meetings

- Elected Officials
- Kaneohe Neighborhood Board Meeting (Feb 2018)
- Kahaluu Neighborhood Board Meeting (March 2018)
- Kaneohe Business Group (March 2018)
- Kahaluu Elementary (April 2018)
- Ben Parker Elementary (April 2018)
- Kaneohe Neighborhood Board Meeting (August 2019)
- AARP
- Blue Zones Project
- Community Policing
- Department of Health
- Department of Transportation
- EMS
- Hawaii Bicycling League
- HFD
- Kamehameha Schools
- MCBH
- Outdoor Circle



## What did we hear?

- Poor sidewalk conditions on Kamehameha Highway
- Improve bus stop areas
- Unsafe crosswalks
- No safe place to bike
- Maintain vehicular capacity
- Speeding is a common concern





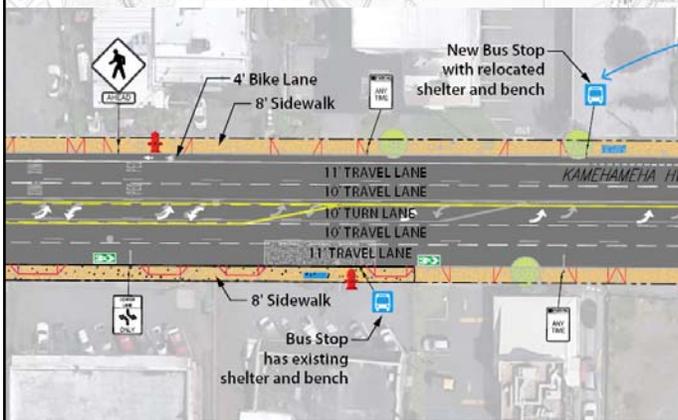
# 02

## Proposed Improvements

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### Proposed Improvements: Sidewalk Installation



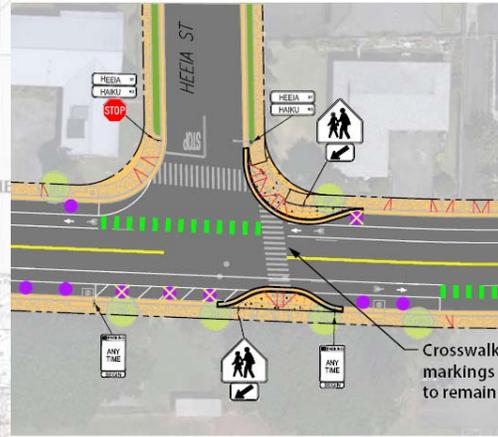
Kamehameha Highway near Keaahala Road/William Henry Road

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Proposed Improvements:  
Improved Pedestrian Crossings



Haiku Road at Heeia Street



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Proposed Improvements:  
Improved Pedestrian Crossings

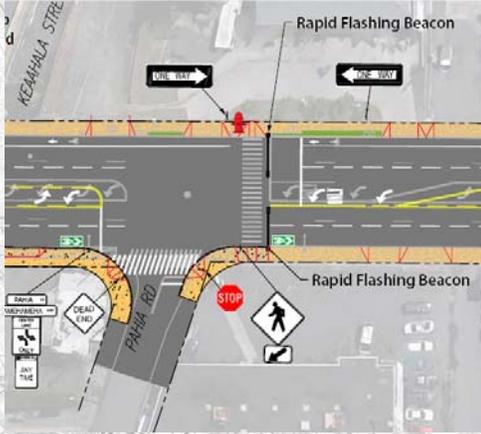


Kahuhipa Street at Alaloa Street

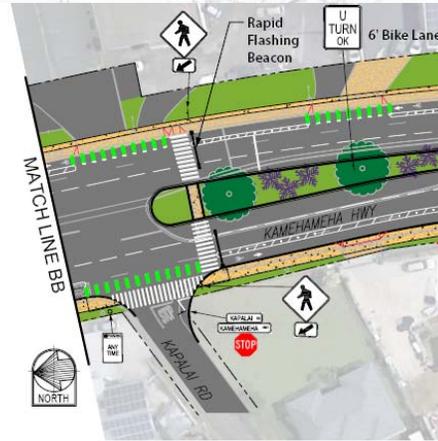
- Revise the radius to decrease the crossing distance.
- Adjust the curb ramps to the optimal location

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# Proposed Improvements: Rectangular Rapid Flashing Beacons (RRFB)



Kamehameha Highway at Pahia Road



Kamehameha Highway at Kapalai Road

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## Uncontrolled Crosswalk Analysis

### Crosswalks to be removed/consolidated:

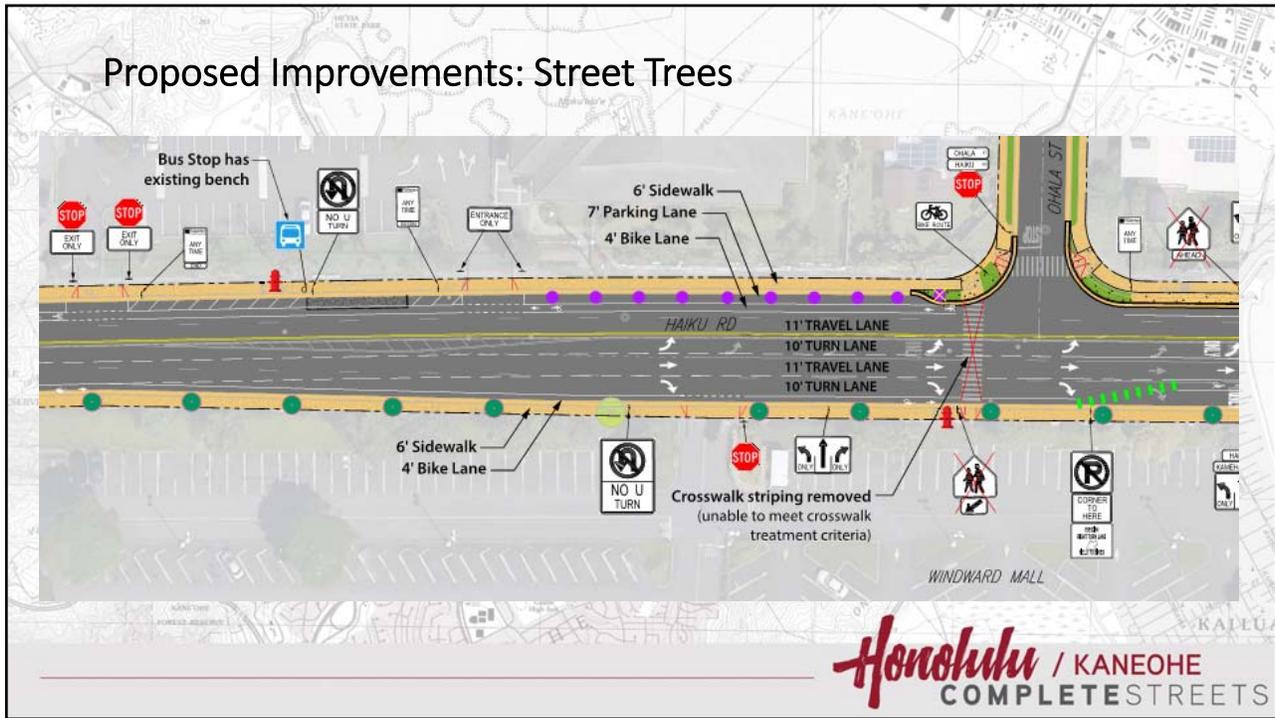
- Kamehameha Highway/Hoene Place
- Haiku Road/Ohala Street

### Crosswalks to remain:

- Kamehameha Highway/Pahia Road (RRFB)
- Kamehameha Highway/Kapalai Road (RRFB)
- Haiku Road/He'eia Street
- Kahuhipa Street/400' east of Kahekili Highway
- Kahuhipa Street/Kawa St



### Proposed Improvements: Street Trees



### Proposed Improvements: Bus Stop Improvements

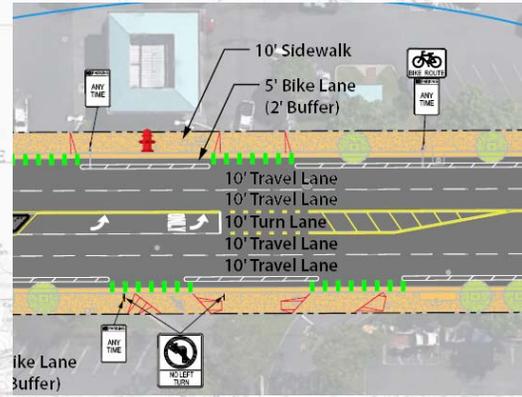


### Proposed Improvements: Buffered Bike Lanes



Salt Lake, HI

Kamehameha Highway near Mehana Street

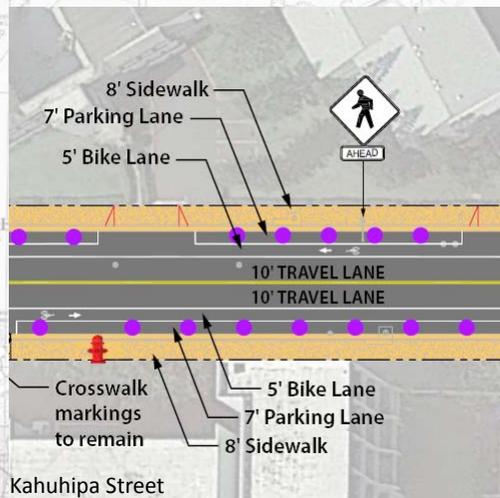


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### Proposed Improvements: Bike Lanes



Monsarrat Avenue



Kahuhipa Street

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### Proposed Improvements: Vehicles



- No reduction in lanes
- Minimum 10-foot travel lanes
- Adjustment of left-turn lanes
- Signal optimization



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# 03

## Analysis of Proposed Improvements

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# What is a Multimodal Transportation Assessment?



**LTS 4**

**LTS 3**

**LTS 2**

**LTS 1**

Level of Traffic Stress (LTS 1 to 4)

- Pedestrians
- Bicyclists

Transit Ridership Data and Amenities  
Vehicle Level of Service (LOS A to F)

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## Level of Traffic Stress (LTS): Pedestrians

**LTS 1: Low stress**

**LTS 2: Low-moderate stress**

**LTS 3: High-moderate stress**

**LTS 4: High stress**



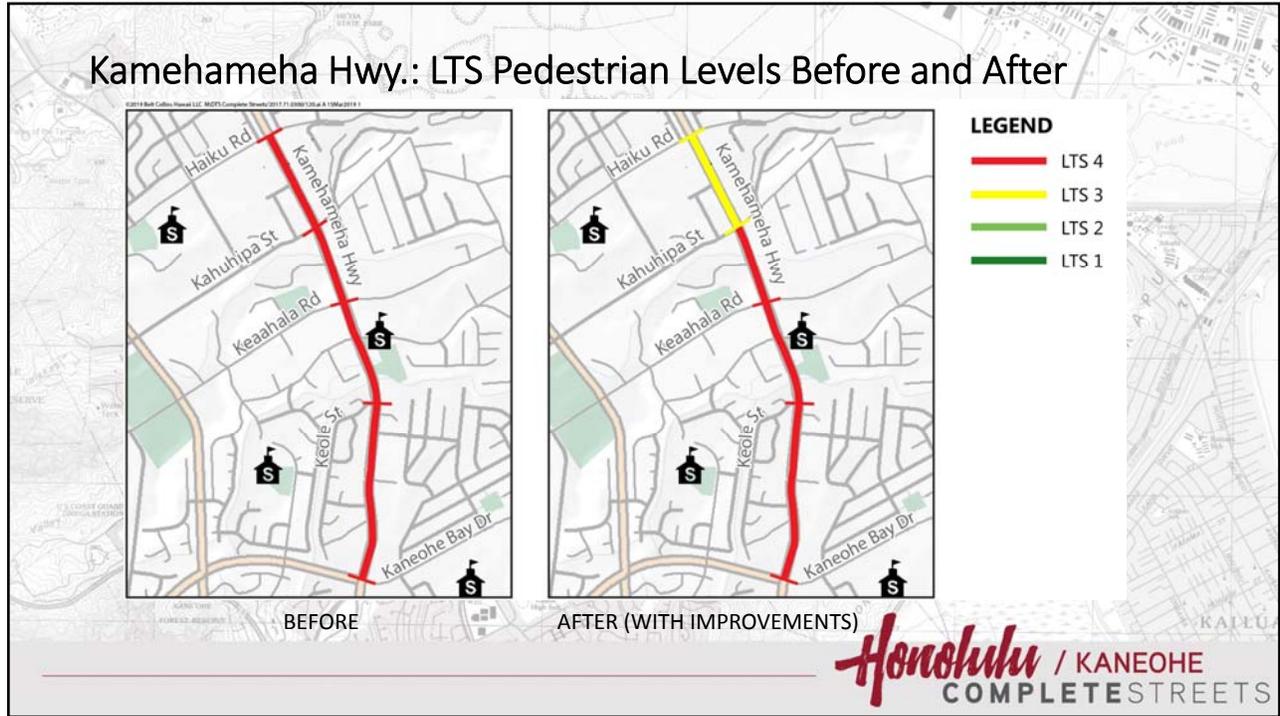
Iwilei Road



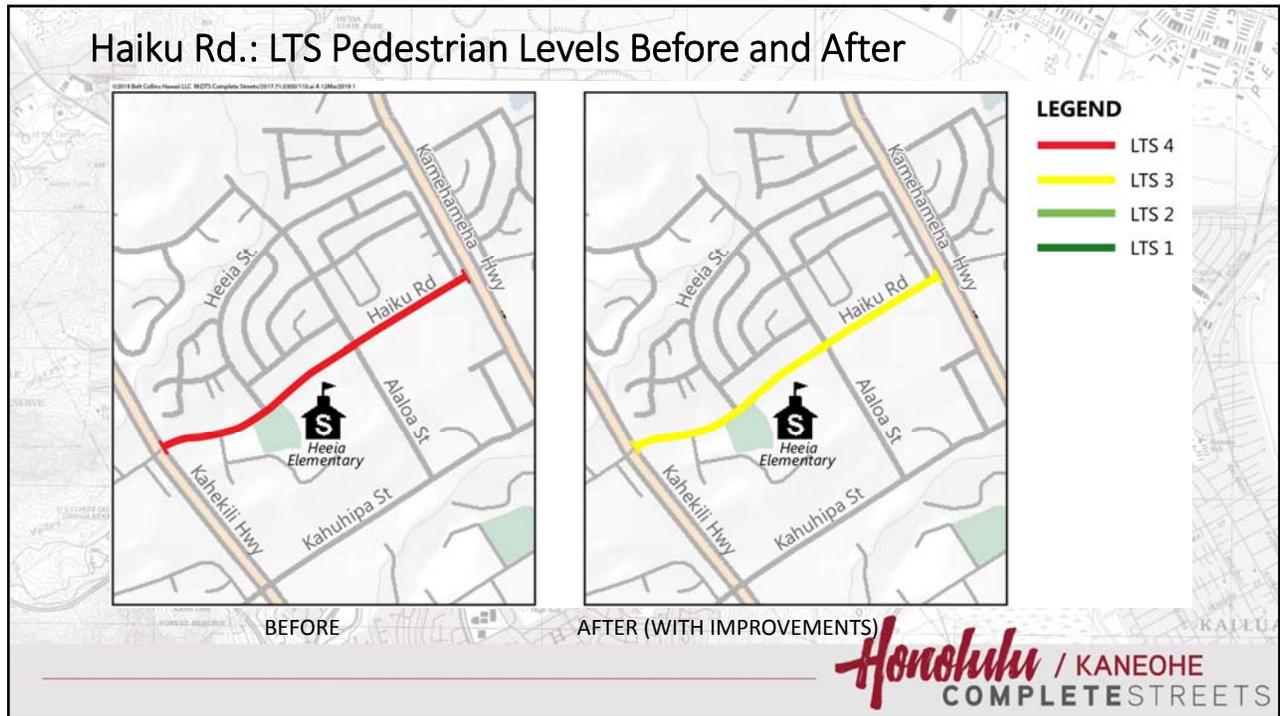
Kamehameha Highway near Kaneohe Bakery

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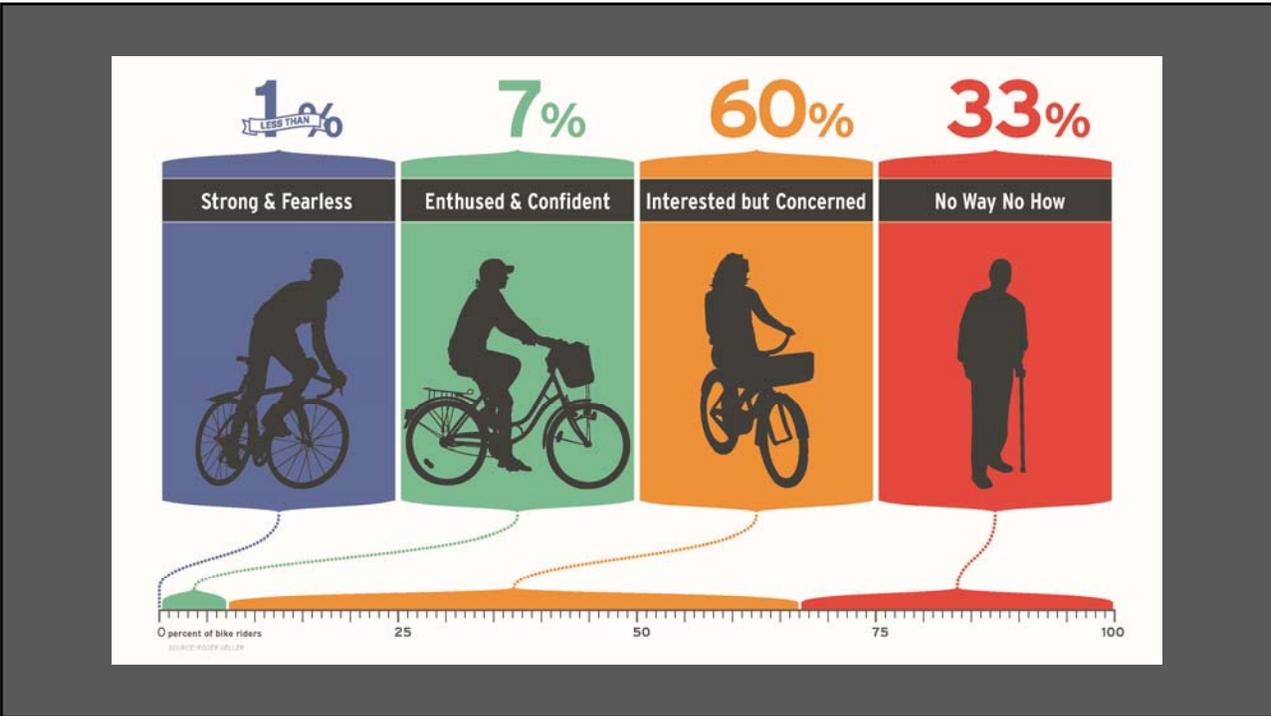
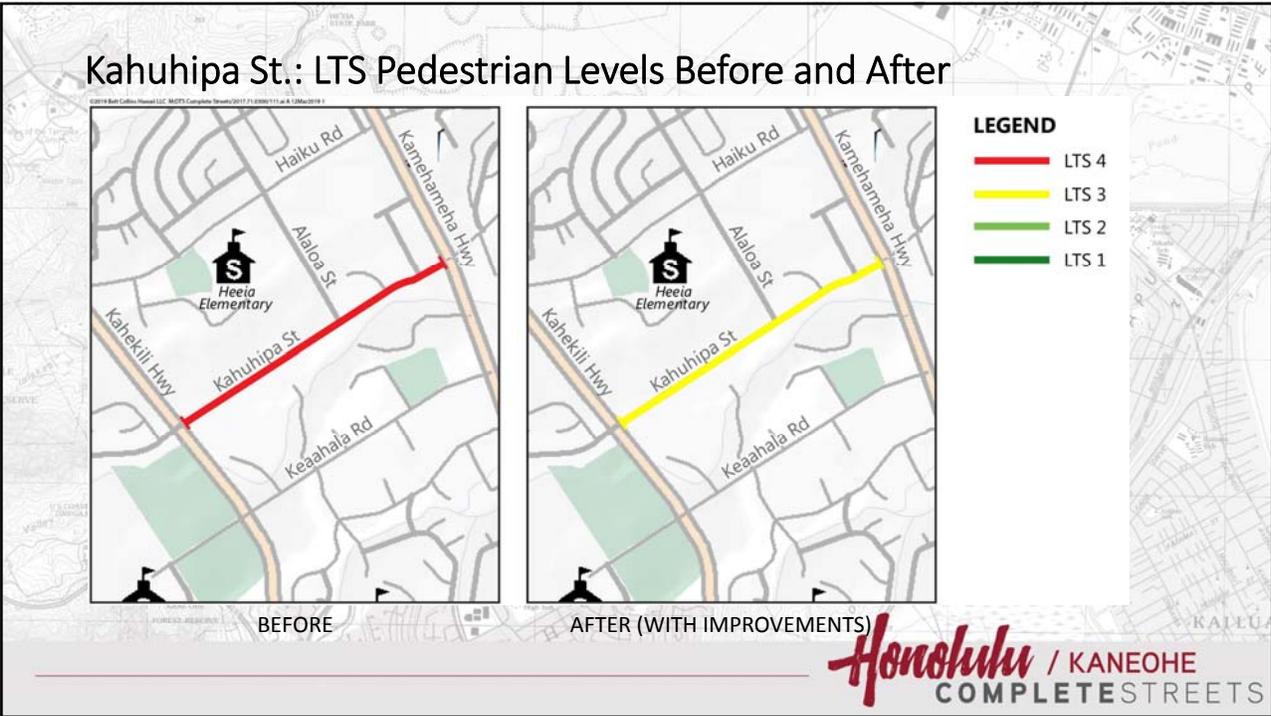
### Kamehameha Hwy.: LTS Pedestrian Levels Before and After

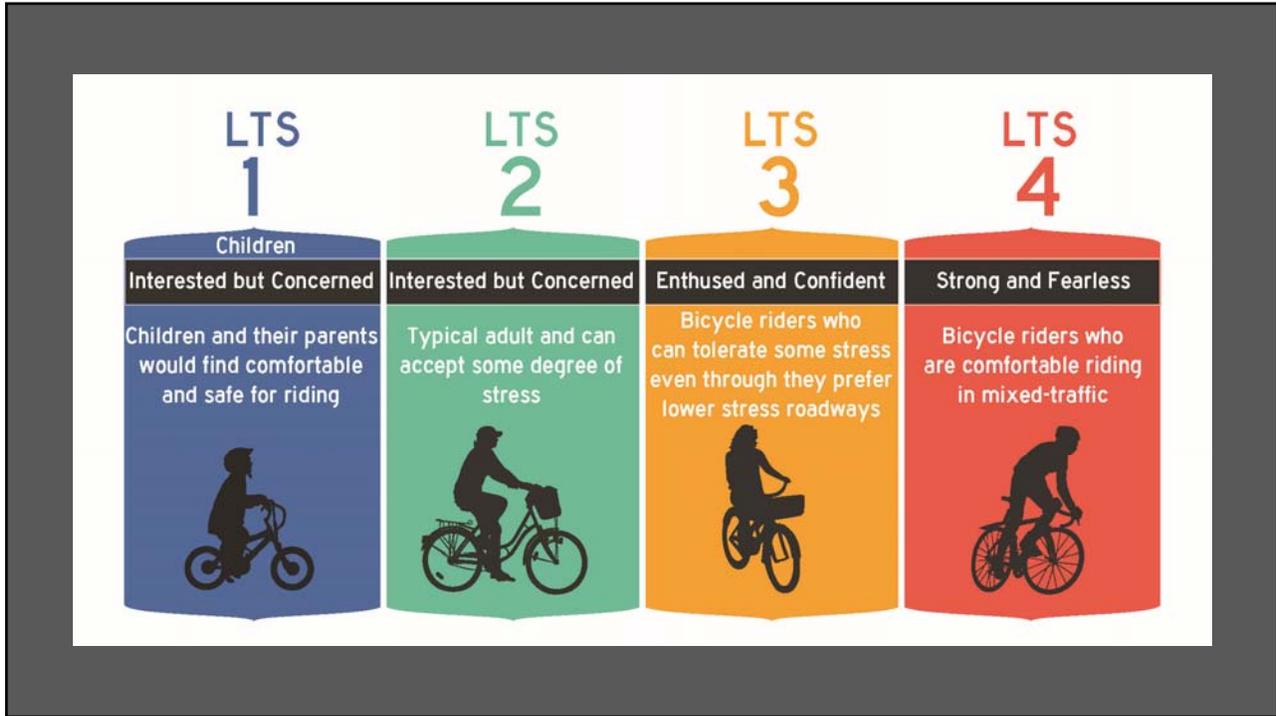


### Haiku Rd.: LTS Pedestrian Levels Before and After



### Kahuhipa St.: LTS Pedestrian Levels Before and After





**Level of Traffic Stress (LTS) For Bicyclists**

- LTS 1: Lowest stress
- LTS 2: Low-moderate stress
- LTS 3: High-moderate stress
- LTS 4: Highest stress

**LTS 1: Separated bike path (lowest stress)**

**LTS 2: Buffered bike lane**

**LTS 3: Bike Lane**

**LTS 4: Shared Use Lane or Sharrow (highest stress)**

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