



FARRINGTON HIGHWAY CORRIDOR STUDY

Summary of Input from Online Interactive Map and Survey

An online interactive map and online survey were distributed as part of the community outreach program for the Hawaii Department of Transportation’s (HDOT) Farrington Highway Corridor Study. This summary highlights the input received during the data collection periods for each platform.

Online Interactive Map Summary

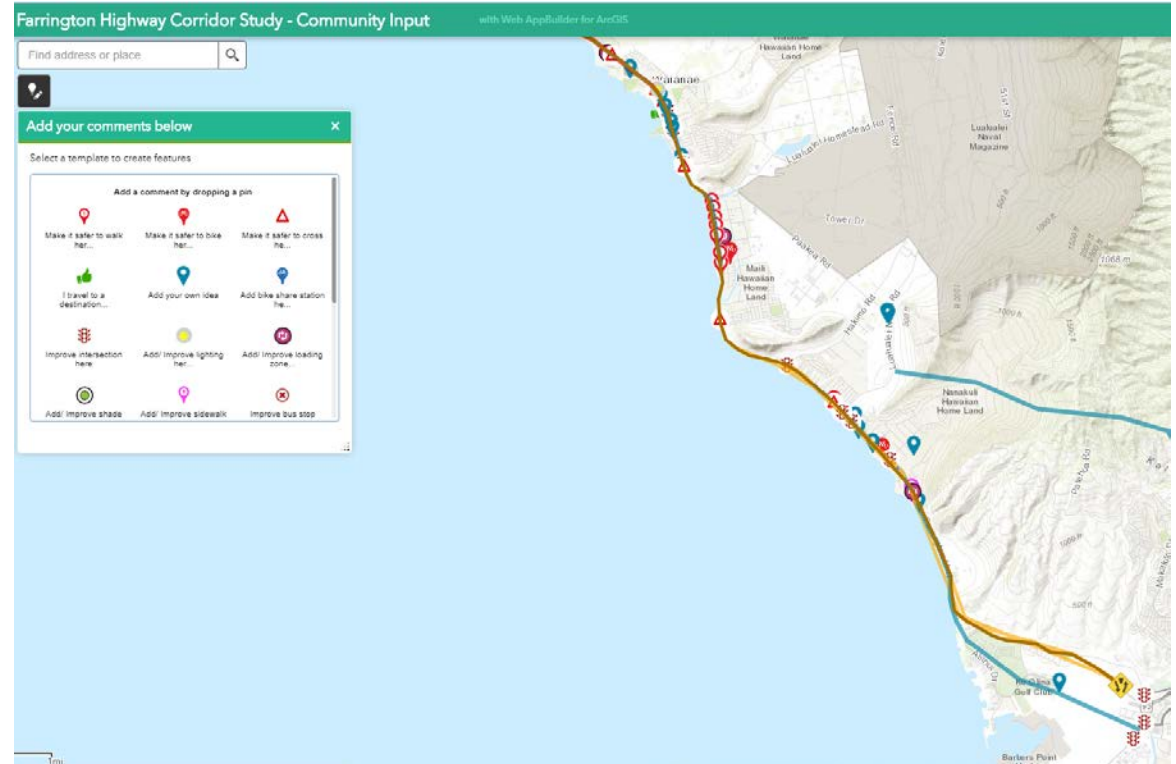
The online interactive map was developed to provide location specific ideas and input for Farrington Highway. Participants could choose from a menu of options, including pin comments for noting issues or ideas at a specific location, and line comments for noting issues and ideas along a particular roadway segment. The map was launched in February 2020, and input was collected through April 24, 2020.

103 total comments were received, as shown in the breakdown below:

- Pin Comments : 76
- Line Comments: 27

Line Comments Summary

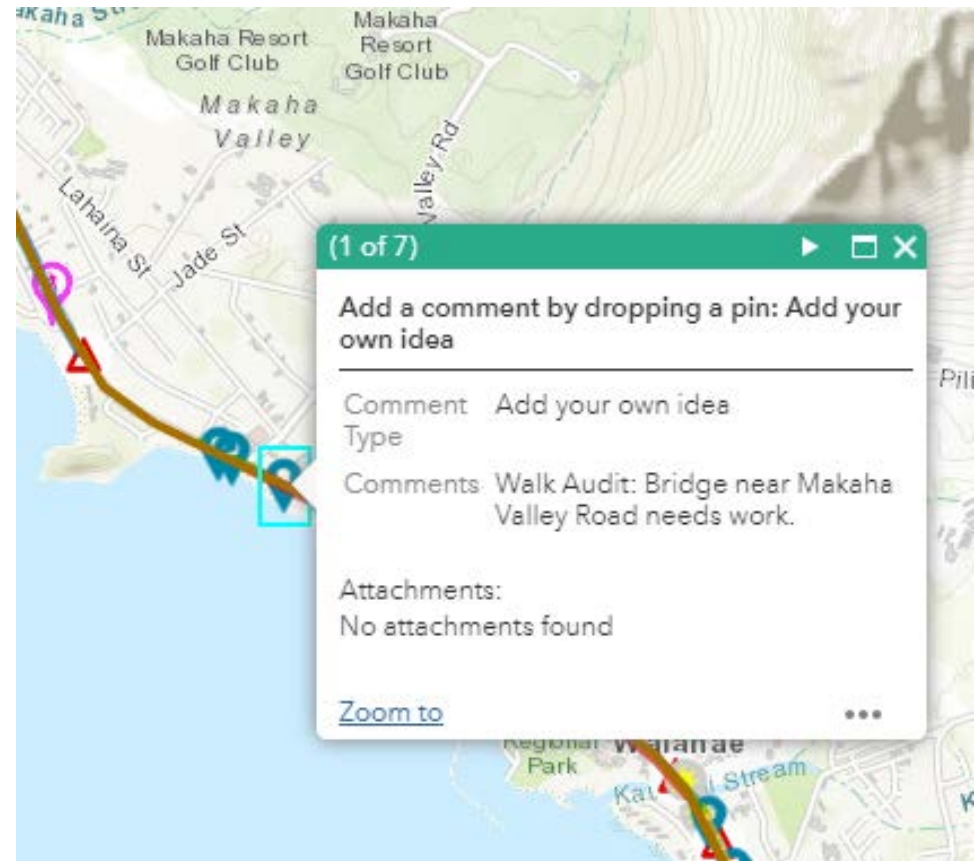
Top Values	Count
Add your own idea	9
Traffic congestion area	7
Unpleasant walking environment	5
Unpleasant biking environment	4
High vehicle speeds	1





Pinned Comments Summary

Top Values	Count
Add your own idea	20
Improve intersection here	17
Make it safer to cross here	12
Make it safer to walk here	10
Add/ Improve lighting here	3
Add/ Improve loading zone here	3
Add/ Improve sidewalk here	3
I travel to a destination here	3
Make it safer to bike here	3
Improve bus stop design here	1





Farrington Highway Corridor Study Online Interactive Map Highlights

Input received through the online interactive map is summarized below for each community along the project corridor.

Nānākuli

- Lualualei Naval Road: Unsafe Intersection. Extend the 5th 'turn lane' to here and beyond. This is a major source of traffic with left turners heading townbound.
 - Walk Audit: Traffic calming measures is needed. Too many buses stopping in the lane, need pullouts. Need to make it easier for drivers to make left turns. Driveways onto Farrington make problem worse.
- Build a new 4 lane road to get in/out of Nanakuli, with tunnels through the mountains meeting up with Kualakai Parkway and Lualualei Naval road. Possibly extend Nanakuli Ave up to meet the new road.
- Improve Intersections at Kapolei Parkway and Kalaeloa.
- Walk Audit: Bottlenecks due to traffic lights not green long enough on Farrington. There is a median here vs the rest of Hwy; good place for speed light monitor. Accidents at Black Rock/Electric Beach.
- Walk Audit: East exit driveway onto Farrington not needed. It is safer to use light to turn into Piliokahi Avenue (at Pohakunui avenue).
- Walk Audit: Kamehameha Schools drops kids off here at bus stop (westbound), dangerous for kids. (Piliokahi at Farrington)
- Walk Audit: Need sidewalks towards Hookele Street, lots of crashes, crosswalks are busy because of the beach park.
- Walk Audit: Tight turning radius at Hakimo Road; big trucks can't make tight turn and access thru Princess Kahanu Ave to go Hakimo Road cutting through residential community.
- No sidewalks, unsafe to cross over the bridge
- Stoplights along this stretch of Farrington Highway should be controlled by Remote Traffic Control Center. The stoplights timing is what is causing all of the traffic.

Mā'ili

- All driveways entering/exiting Farrington Hwy cause congestion and accidents. It is difficult to get in/out of driveways; people voluntarily exit/enter through back streets of businesses.
- Need bike lanes; people biking on the shoulder/gutter lane. Lots of cars speed here, which is dangerous
- Leihoku Street needs crosswalk for students and speed bumps similar to the ones near Makaha High/Intermediate School.
- Buses can't pull over to the side of the road causing congestion along Farrington. We need bus pullouts!

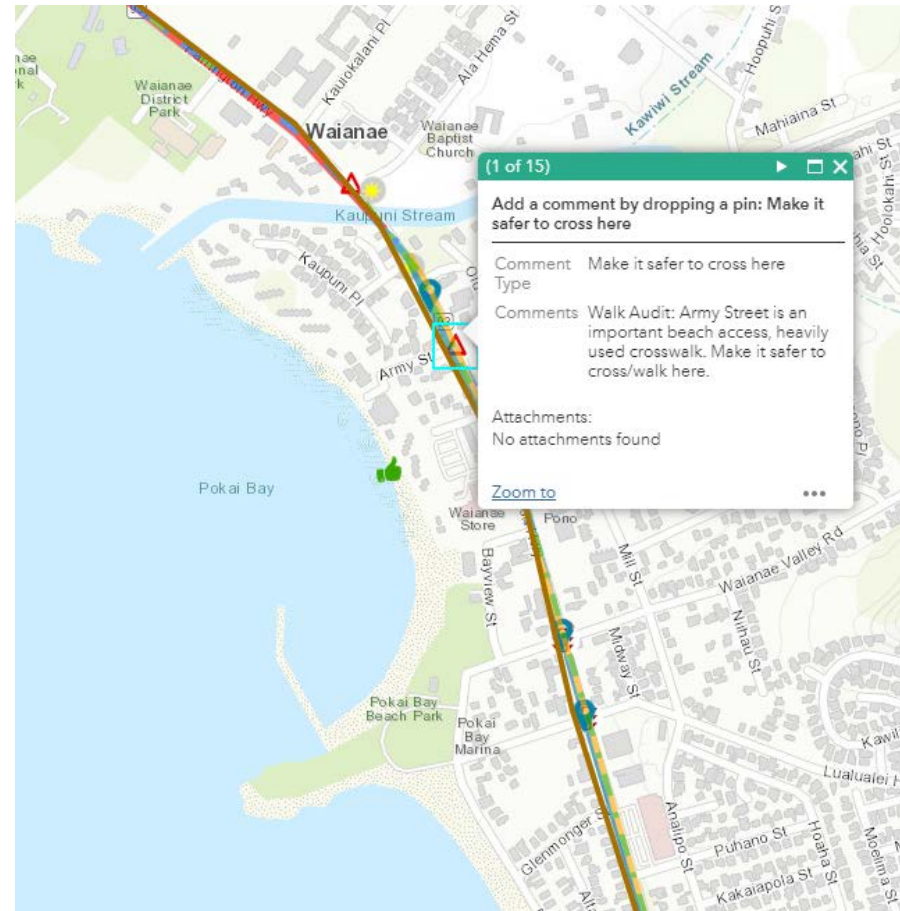


Wai'anae

- Recommend flashing beacon lights for the crosswalk here. This is also the location of Pu'uohonua Camp. Raised crosswalks are effective, but visibility of it is a concern.
- All driveways entering/exiting Farrington Hwy cause congestion and accidents. It is difficult to get in/out of driveways; people voluntarily exit/enter through back streets of businesses.
- Buses can't pull over to the side of the road causing congestion along Farrington. need bus pullouts!
- Install crossing signage at the busiest intersections.
- Intersection concern because of the signal lights and pedestrians walking - causing backup along whole Farrington Highway.
- Need bike lanes; people biking on the shoulder/gutter lane. Lots of cars speed here, which is dangerous.

Mākaha

- Between Jade Street and Kili Drive, possible for highway widening. This stretch of Jade Street to Kili Drive is more residential. More speed bumps, sidewalks, turning lanes, crosswalks, bus pullouts, bike lanes, sidewalks, and noise control needed.
- Bike lanes are narrow or nonexistent.
- Lanes are wide - encourages speeding near Waianae High School. Narrower lanes needed. Traffic calming measures needed and need to be synced along the whole corridor!
- Buses can't pull over to the side of the road causing congestion along Farrington. We need bus pullouts! Bridge near Makaha Valley Road needs work. Waves overtopping roads occurs nearly daily. "One big" event threatens the highway from being closed/damaged. City crews clean it up often.





Farrington Highway Corridor Study Survey Highlights

The purpose of the survey was to find out about personal travel habits and experiences within the Project Area in order to recognize the issues, priorities, and address the needs of Leeward communities. The survey was launched on April 7, 2020 and closed on April 24, 2020. Highlights of the survey results are below.

Participation

- **Total Respondents** : 143
- Respondents are relatively evenly distributed between Makaha, Wai‘anae, Maili, and Nānākuli (>20% each community)

Socioeconomics and Demographics

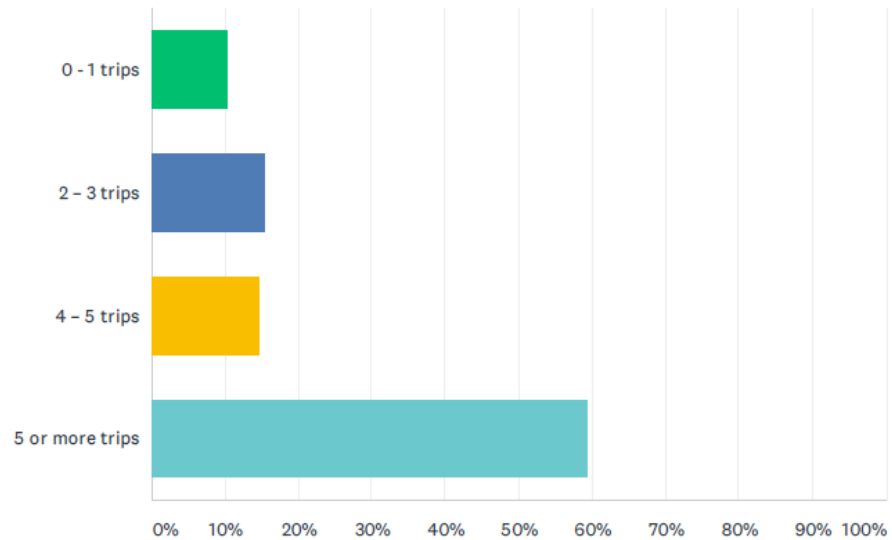
- 63% have lived on leeward coast >20 years
- Age:
 - 35-44: 25%
 - 55-64: 20%
 - 25-34: 19%
- 73% work full time
- Female: 56%; Male: 41%
- 2019 Household Income:
 - 13% between 35-30K
 - 25% between 50-75K
 - 19% between 75-100K
 - 34% between 100-150K
 - 12% 150K or more

Where People Go

- Most people leave the west side for work (71%) or school (77%). Other reasons people leave are for medical/health services (39%) and cultural/religious purposes (41%).
- Wai‘anae is the most popular destination for work, school, shopping, community parks and sports, ocean sports, health services, and cultural/religious activities. Nānākuli is second in all categories except for ocean sports (Mākaha is a close second to Wai‘anae in that category).

Q6 Within one given week, how many of your trips were outside of the Project Area to points east such as towards Downtown Honolulu?

Answered: 143 Skipped: 0

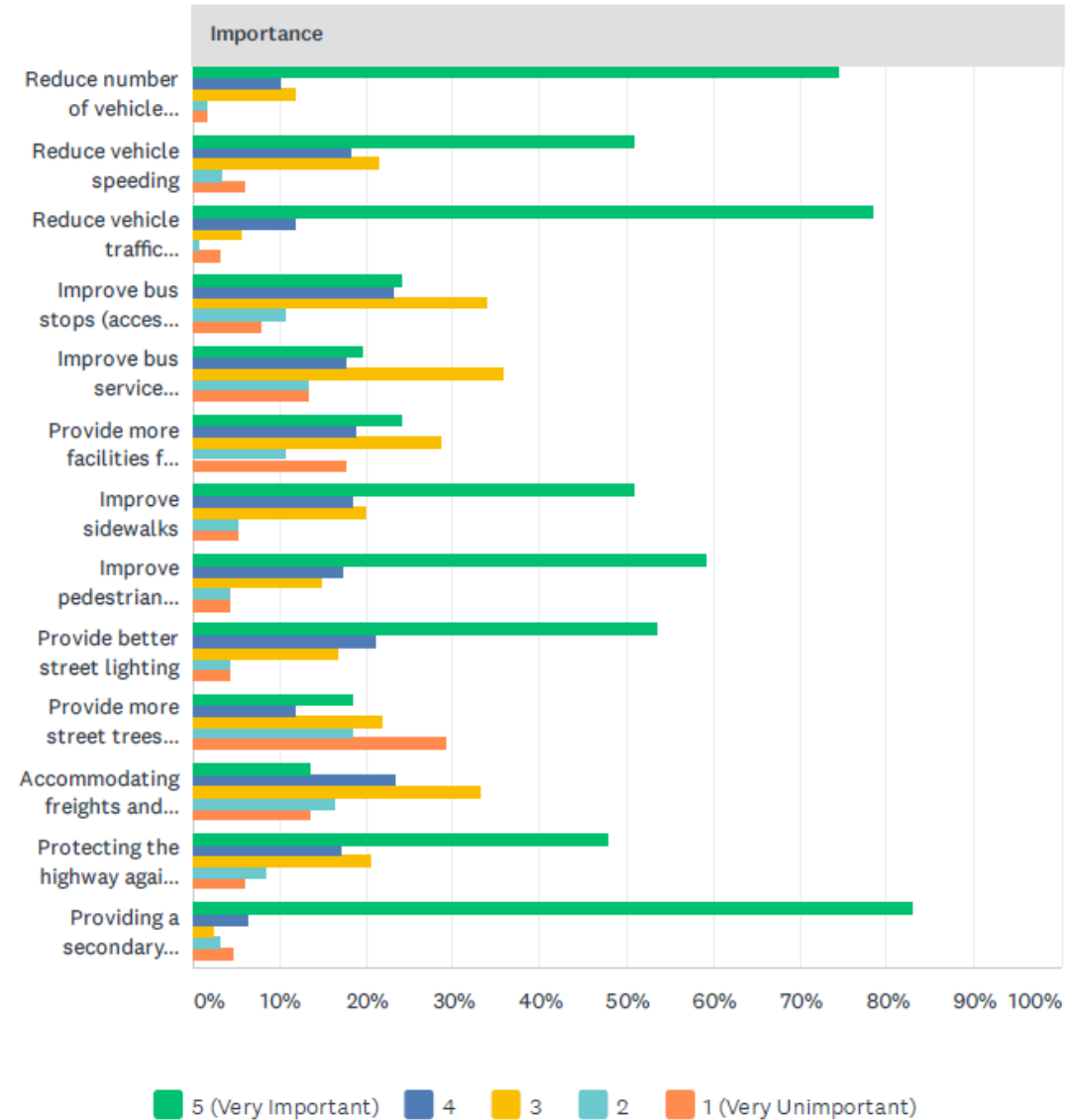




Short- and Long-Term Transportation Priorities

- Top Short-Term Priorities:
 - Reduce Traffic congestion (84%)
 - Provide secondary access to project area communities (82%)
 - Reduce pedestrian and bicyclist crashes (74%)

- Top Long-Term Priorities:
 - Provide secondary access to project area communities (83%)
 - Reduce Traffic congestion (78%)
 - Reduce pedestrian and bicyclist crashes (75%)





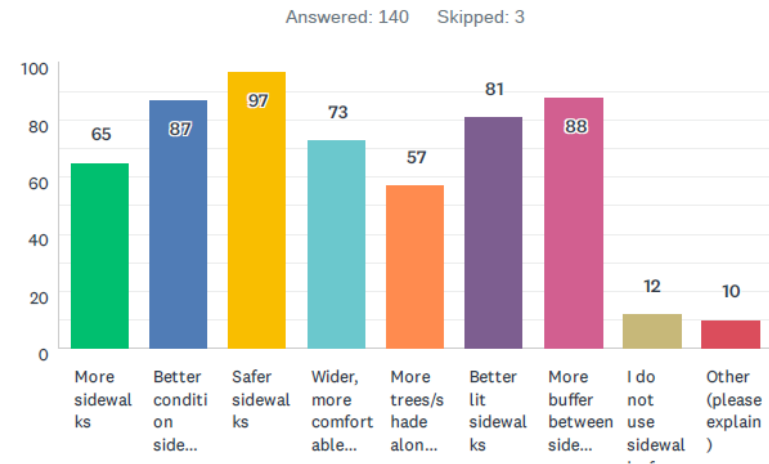
Desired Improvements

- **Sidewalks**
 - Safer Sidewalks (69%)
 - More buffer between sidewalks and streets (63%)
 - Better condition sidewalks (62%)
- **Crosswalks**
 - Safer (77%)
 - Better Lit (77%)
 - Flashing Lights (80%)
- **Bike Facilities**
 - Separated Bike Paths (48%)
 - Protected Bike Lanes (17%)
 - Marked Bike lanes (11%)
 - Would like to see more bike facilities (44%)

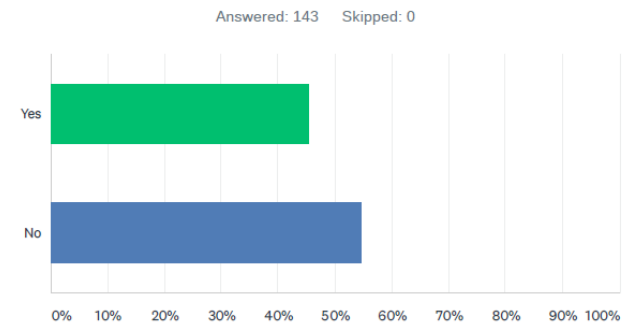
How People Get Around the Area

- Vast Majority (85 -87 %) use own car to get around for work and school
- Second most common response is a household members car
- Walking or taking the bus are the most common secondary modes of travel outside of motor vehicles.
- Walking and biking is considered a secondary option for some people to get around for activities other than work and school (17% walk, 7% bike).
-

Q11 What improvements are needed to sidewalks on Farrington Hwy? Check all that apply.



Q13 Do you or anyone else in your household ride a bicycle?





Perceptions on the Future Rail (HART)

- 47% anticipate never using it
- 16% anticipate using it as much as possible
- 64% of respondents who will use rail anticipate getting to rail stations by car

Perceptions of Safety, Congestion, Ease of Travel

- Users Perceived as Most Vulnerable:
 - Cyclists at night (76%)
 - Senior pedestrians at night (75%)
 - Youth pedestrians at night (69%)
- Adjustment of Trip Timing to Avoid Congestion:
 - >70% adjust their timing for trips to and from work, stores, and dining
 - > 60% adjust their timing for trips to and from sports/recreation, visiting family and friends, and medical/health services
 - >50% adjust their timing for heading to and from school, the park, and the beach
- Ease of Travel along Farrington Highway:
 - Walking: Poor (56%), Excellent (3%)
 - Bicycle: Poor (41%), Excellent (2%)
 - Buses:
 - Feel Safe (16%)
 - Well-lit and comfortable (6%)
 - In good condition (16%)

Q17 Which of the factors in the photos above would encourage you to take more trips by bike along Farrington Highway? (CHECK ONLY ONE BOX PER ROW)

Answered: 140 Skipped: 3

