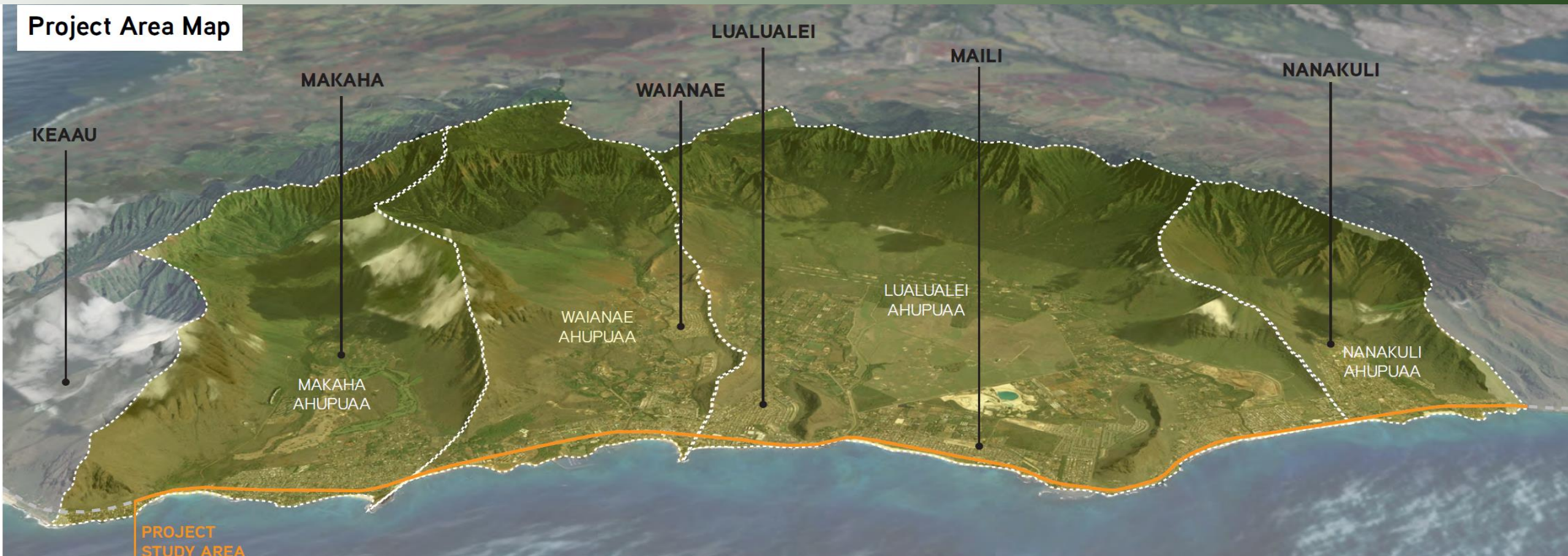


Farrington Highway Corridor Study

Project Area Map



‘Aina Meetings Round 1:
Wai‘anae 2/20/20, Nānākuli 2/24/20, 6-8 pm



Introduction & Meeting Goals

TEAM

Hawai'i Department of Transportation

- Ed Sniffen (Deputy Director)
- Marshall Ando (Administrator)
- Ken Tatsuguchi (Head Planning Engineer)
- Patrick Tom (Planning Engineer)
- Jill Tanabe (Planning Engineer)
- Pua Aiu (Planning Specialist)
- Shelly Kunishige (Public Affairs)

Consultant Team (SSFM)

- Sue LeBrun (Traffic Engineer)
- Melissa May (Planner)
- Jared Chang (Planner)
- Carlos Kelton (Planner)
- Matt Fernandez (Planner)
- Puanani Burgess (Community Engagement Specialist)
- Lelemia Irvine, Pat Uchigakiuchi, Pua Ena Burgess (KMAPP)

AGENDA

- **Welcome & Team Introductions**
- **Discussion Kuleana & Meeting Goals**
- **Presentation**
 - Project Overview, Goals, Planning Process and Timeline
 - Community Engagement and Opportunities for Input
 - Issues and Opportunities Identified to Date for Safety, Congestion, Resilience
- **Breakout sessions:**
 - Wai‘anae Coast yesterday, today, tomorrow
 - How you get around Farrington Highway
 - Issues and opportunities for Farrington Highway
- **De-Brief**
- **Closing**

DISCUSSION KULEANA

You are personally responsible for working toward future solutions/aspirations by:

- > actively listening and keeping an open mind**
- > making sure everyone has an opportunity to express their ideas**
- > being creative and prepared to hear and try new things**

It's okay to disagree as long as we are respectful of each other

MEETING GOALS

- Start a process of collaborating with the community to develop solutions for Farrington Highway. Encouraging people to participate in all 3 rounds of meetings.
- Bring everyone here up to speed on the project and what's been done to date.
- Learn about how you see and use Farrington Highway in the past, present, and future.
- Hear about issues and opportunities you encounter while traveling around the area.

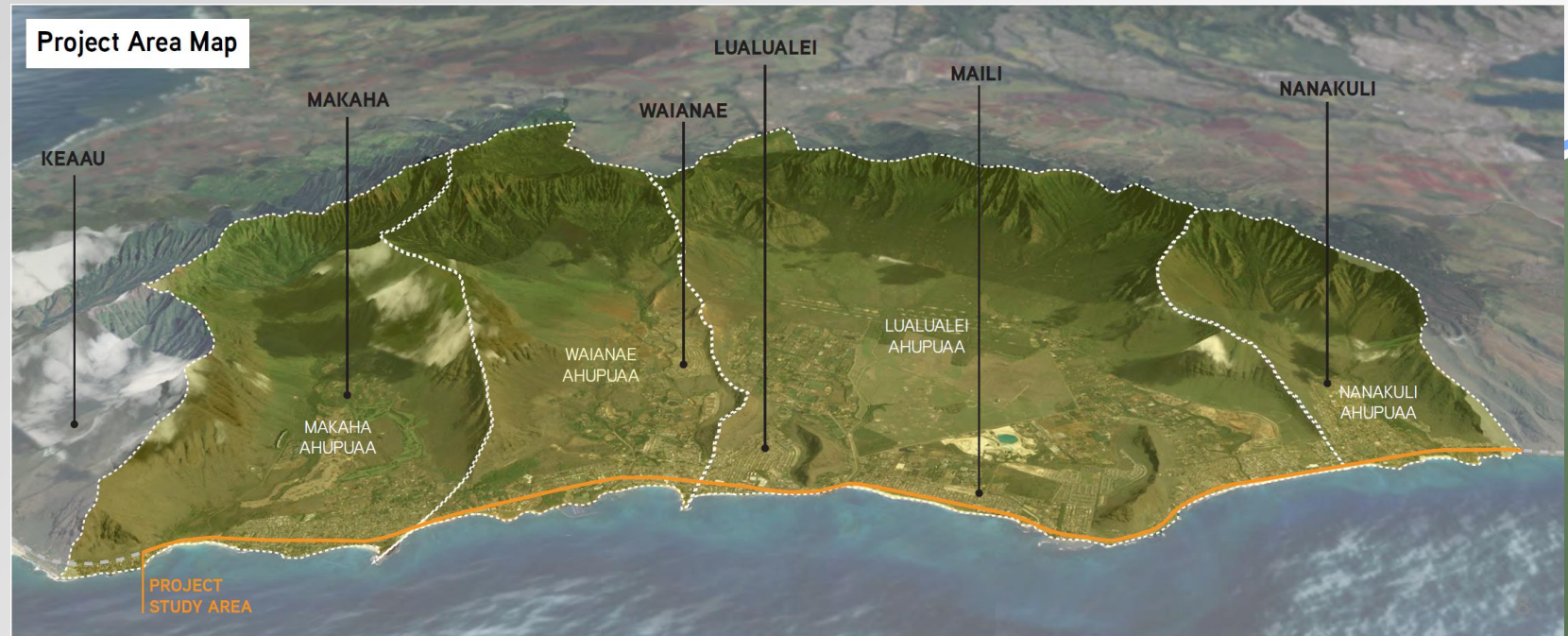


Project Overview

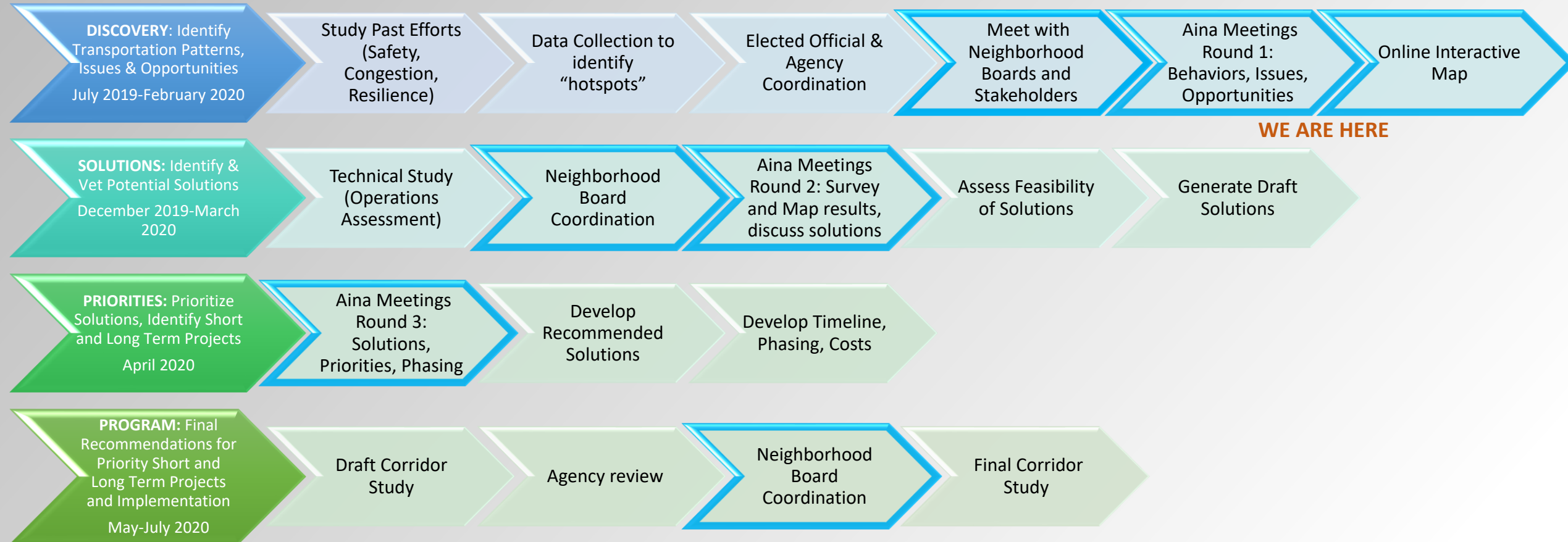
Melissa May, SSFM

PROJECT OVERVIEW

- The Hawai'i Department of Transportation (HDOT) Highways Division is conducting a study to determine the long term vision and management for Farrington Highway Corridor (Route 93).
- The study will analyze and identify short (6 months - 2 years) and long (2 - 20 or more years) term multimodal solutions that address:
 - Safety
 - Congestion
 - Resilience



PLANNING PROCESS



Opportunities for Community Input*

* Input may also be provided anytime during the process by e-mail or phone – see website for details!

COMMUNITY ENGAGEMENT

- Agency & Elected Official Outreach
- Neighborhood Board Presentations & Transportation Committees
- Stakeholder Meetings
- Drive/Walk Audit (2/8)
- KMAPP School Coordination & Development
- Survey and Interactive Map Development



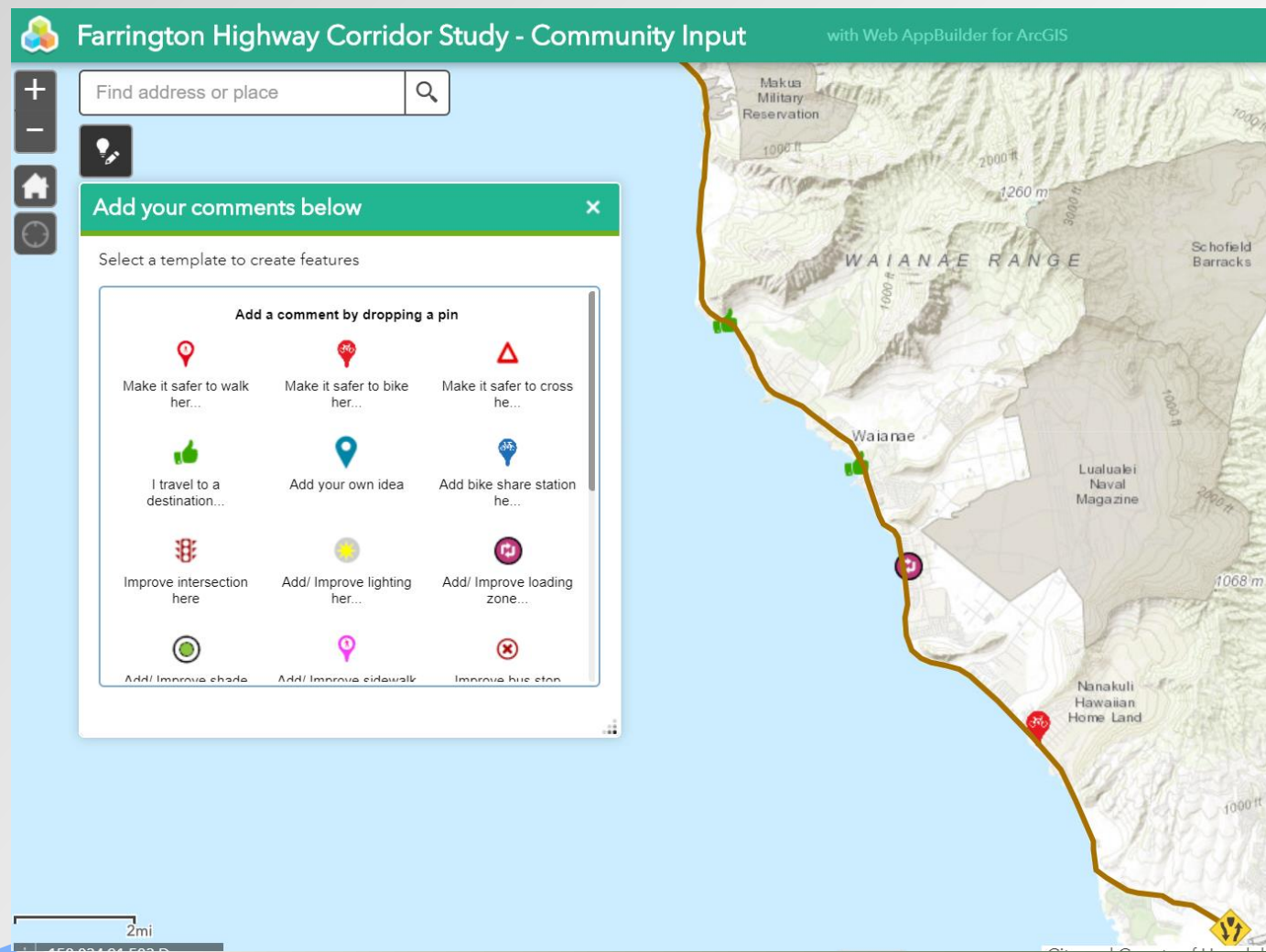
KAHU MALAMA ĀLALOA PATHWAYS PROGRAM (KMAPP)

- A youth education program is being piloted in partnership with UH West O'ahu, led by a team including Dr. Lelemia Irvine, Puanani Burgess, and Pua Ena Burgess.
- The program is designed to teach high school students from the Nānākuli and Wai'anae Coast how to become a Kahu Mālama Kealaloa, or Steward of Pathways.



OPPORTUNITIES FOR INPUT


- Project Website: Information, Mailing List, Contact Info
 - <http://hidot.hawaii.gov/highways/farringtoncorridorstudy/>
- Online Interactive Map (posted on the project website)
 - Send us your input on where improvements are needed!



UPCOMING ACTIVITIES

- **‘Āina Meetings:**
 - **Round 1: Meet the team, identify transportation issues and opportunities; learn how people see and use Farrington Highway**
 - February 20th, Wai‘anae
 - February 24th, Nānākuli
 - **Round 2: Report results from survey and technical studies; identify preliminary solutions**
 - March 30th, Nānākuli
 - March 31st, Wai‘anae
 - **Round 3: Present draft recommendations, discuss priorities and phasing.**
 - April 22nd, Wai‘anae
 - April 28th, Nānākuli

ALL MEETINGS ARE 6-8 PM, S&L Building in Wai‘anae, Library in Nānākuli



‘ĀINA MEETINGS
Farrington Highway Corridor Study

ABOUT THE PROJECT: The Hawai‘i Department of Transportation (HDOT) Highways Division is conducting a study to determine the long term vision and management for Farrington Highway Corridor. The study will analyze and identify short term (6 months - 2 years) and long term (2 - 20 or more years) solutions to address safety, traffic congestion, and resilience for Westside communities.

WHERE YOU COME IN: Your input is critical to develop recommendations for Farrington Highway that meet the needs of Westside communities into the future.

What are your ideas for Farrington Highway?
How do you get around?
How does the highway relate to the community?

JOIN US FOR COMMUNITY ‘ĀINA MEETINGS
TO LEARN MORE ABOUT THE PROJECT & SHARE YOUR MANA‘O

MEETING SCHEDULE

ROUND 1
Meeting to gather input on transportation issues and how people get around
Wai‘anae - February 20th
Nānākuli - February 24th

ROUND 2
Meeting to report survey results and identify preliminary solutions
Nānākuli - March 30th
Wai‘anae - March 31st

ROUND 3
Meeting to present draft recommendations & discuss priorities and phasing
Wai‘anae - April 22nd
Nānākuli - April 28th

TIME:
6-8pm (all meetings)

LOCATION:
Wai‘anae Meetings
S&L Building (85-888 Farrington Hwy)
Nānākuli Meetings
Nānākuli Public Library (89-070 Farrington Hwy)

If you require special accommodations, please contact Melissa May at mmay@ssfm.com or (808) 628-5861 at least five days prior to the meeting.

Visit the project website and join the mailing list at: <http://hidot.hawaii.gov/highways/farringtoncorridorstudy/>



Data, Issues & Opportunities:
Safety, Congestion and Resilience
Sue LeBrun,¹⁴ SSFM

TECHNICAL STUDIES TO DATE

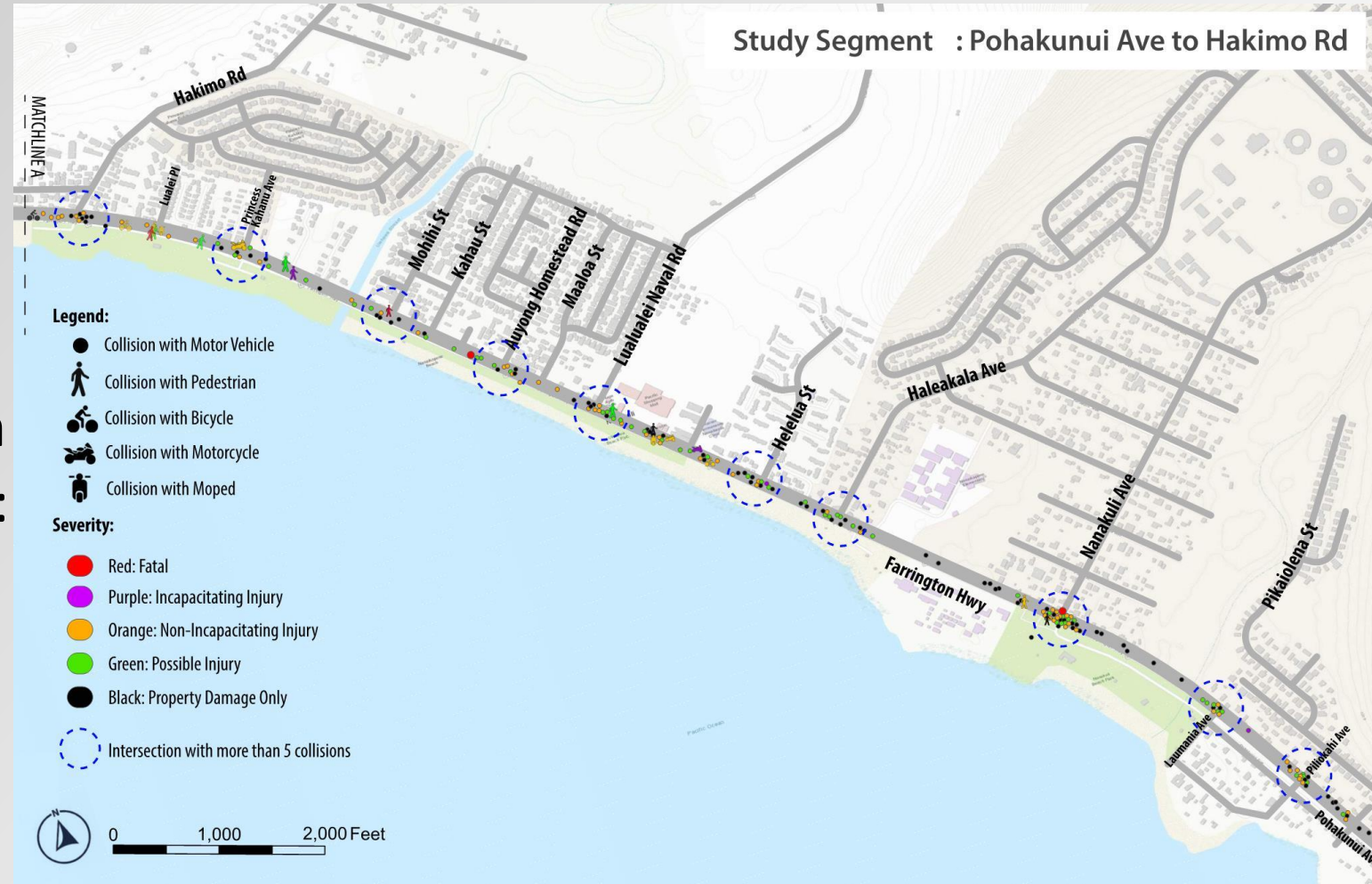
- Draft Operations Assessment:
 - Traffic forecasting
 - Traffic Counts
 - Crash Analysis for intersections and segments
 - Traffic modeling and analysis
 - Signal warrant analysis
 - Bike, pedestrian and transit assessment
 - Freight assessment
 - Access point inventory and recommendations
 - Contraflow evaluation
 - Transportation Demand Management (TDM)/trip reduction recommendations
- Second Access Report:
 - Review of Prior & Ongoing Efforts



ISSUES AND OPPORTUNITIES: SAFETY

RESEARCH & TECHNICAL STUDIES

- Crash Study with data from HDOT 2013-2016. 694 total crashes
- Notable crashes: 55% are rear end (35%), broadside, cross median, angle-opposite direction
- Overall % Severity, least to worst: no-injury/C/B/A/K
35/36/24/3/2%
- 64 ped crashes, 5 no-injury, 48 Injury, 11 fatal (9 of those at night)



ISSUES AND OPPORTUNITIES: SAFETY

WHAT WE'VE HEARD FROM THE COMMUNITY:

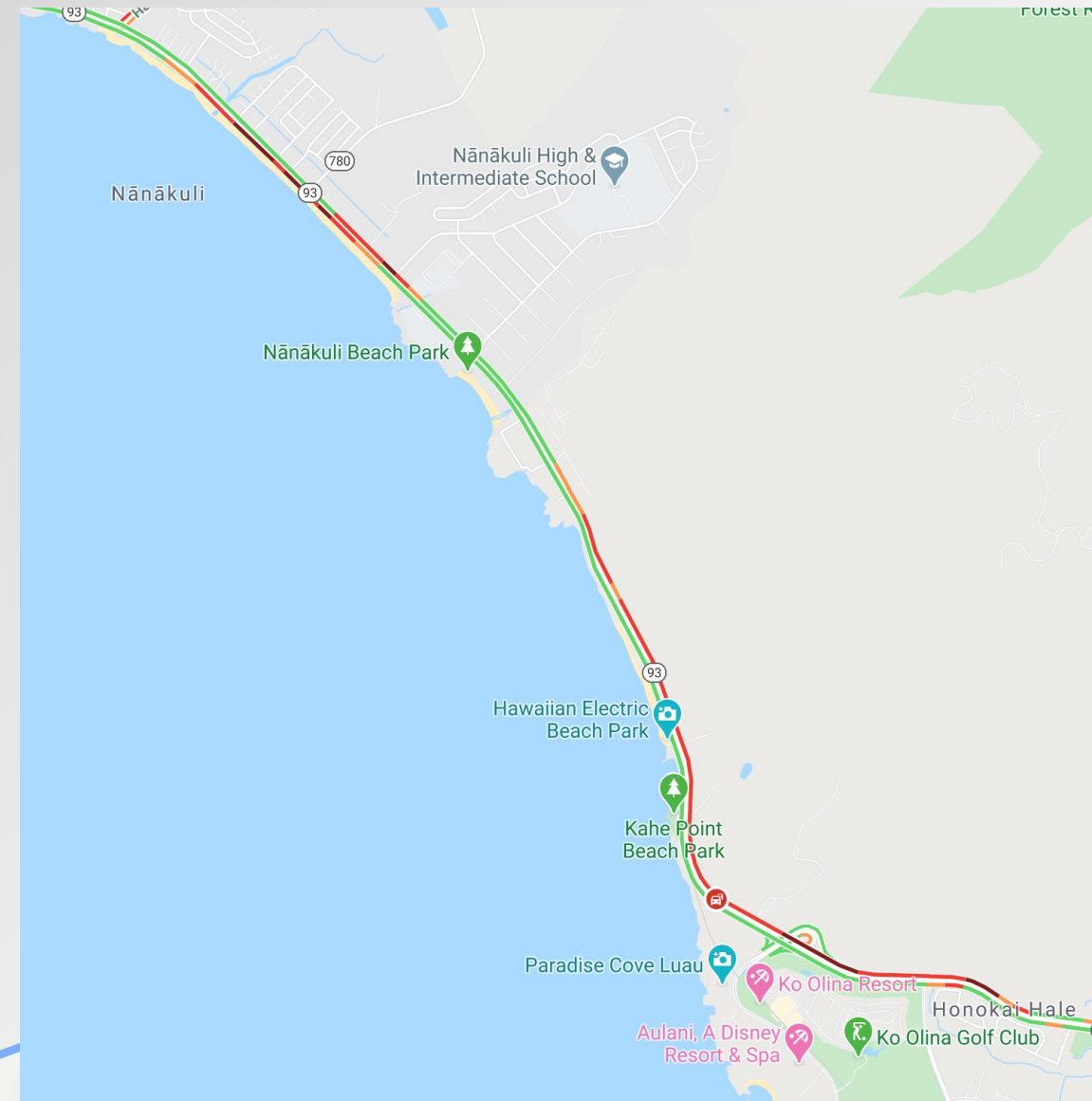
- Speeding is a big safety concern:
 - Add speed monitors in some areas to slow people down
 - Make lanes narrower
 - Islands/medians/bump-outs to calm traffic
 - More enforcement needed
- Support for more raised crosswalks (especially in Maili); need more signage/lights to warn drivers about them
- Need better lighting in some stretches and at crosswalks
- Add/improve sidewalks, especially around schools and bus stops
- Add/improve bike lanes – lots of people bike



ISSUES AND OPPORTUNITIES: CONGESTION

RESEARCH & TECHNICAL STUDIES

- Collected 6-12 hour turn movement counts at 37 intersections and 24-hour tube counts at 3 locations
- Modeling/analysis of existing and future conditions. Intersections expected to have the most delays in 2040 without improvements: Haleakala Avenue and Lualualei Naval Road
- Possible improvements: extension of 5th lane/contraflow, addition of turn lanes, computerized ITS traffic signal system



ISSUES AND OPPORTUNITIES: CONGESTION

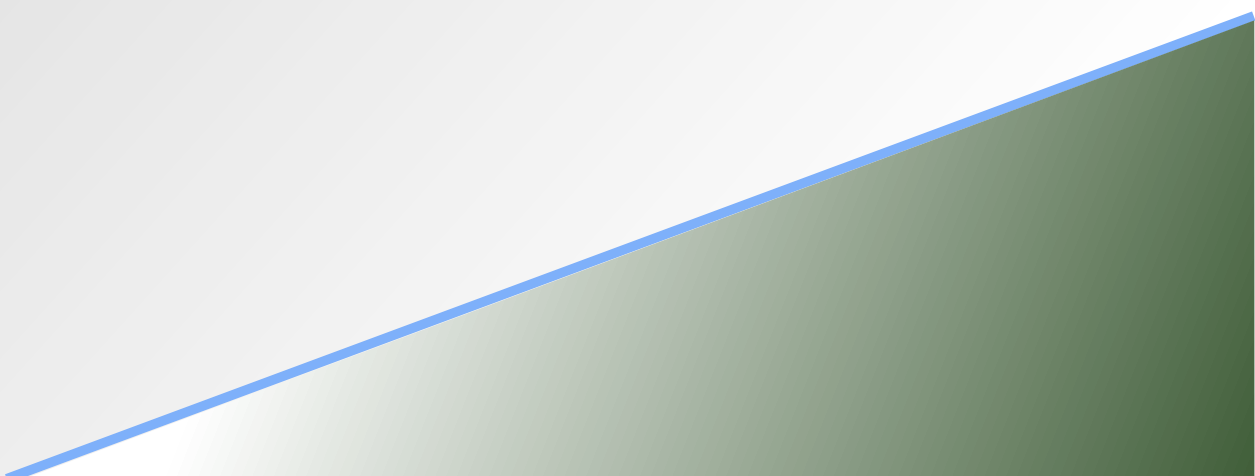
WHAT WE'VE HEARD FROM THE COMMUNITY

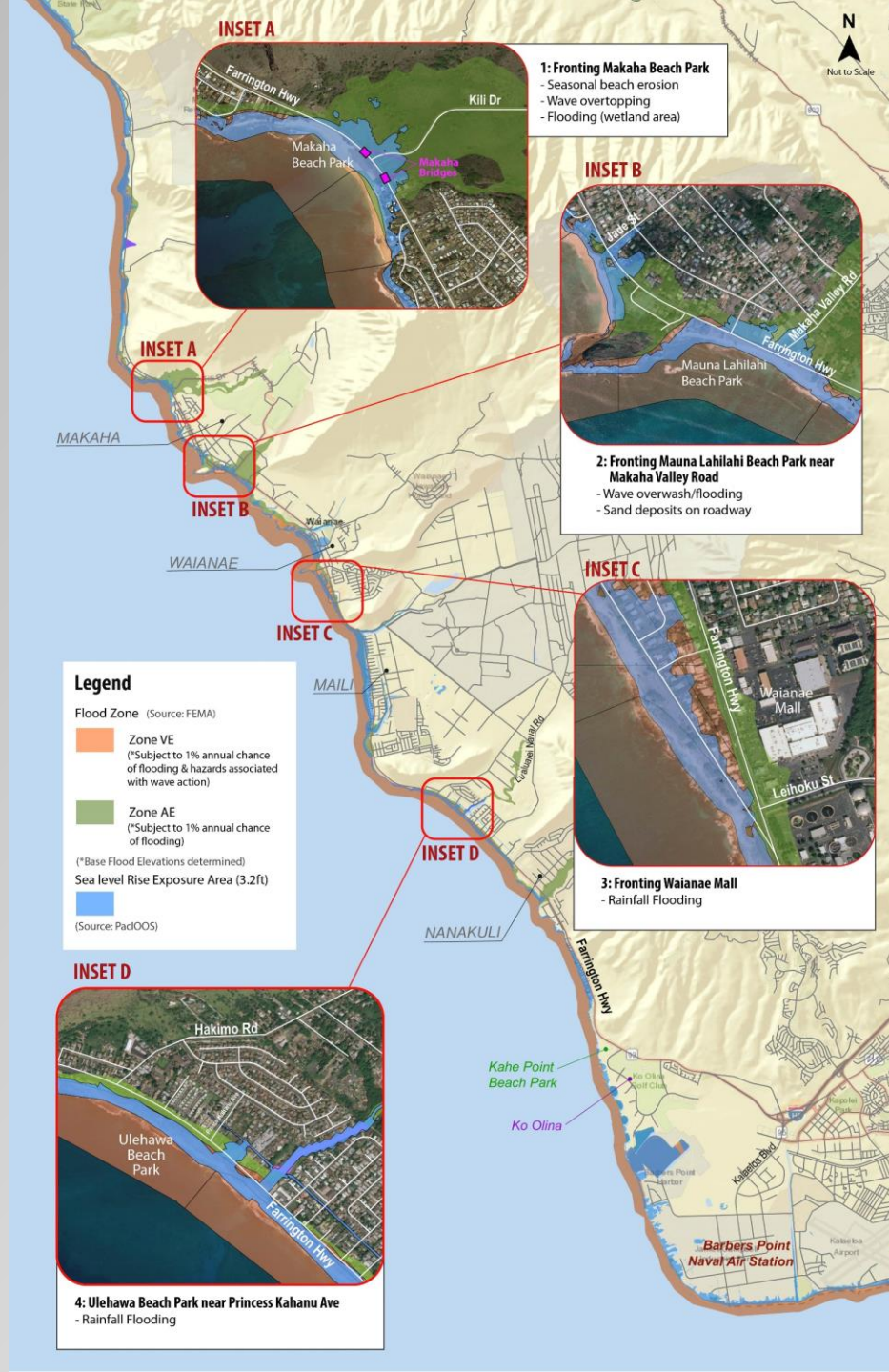
- Congestion is extremely heavy in AM and PM - especially PM
- People are always late, have to plan travel far ahead
- Nānākuli is biggest problem area
- Signal timing needs to be coordinated to help with congestion and letting cars turn off side streets
- Support for expanded contraflow/5th lane
- Add or expand center turn lanes where possible
- Bus pullouts help so they don't have to stop in the lane
- Need bypass to separate commuters from local traffic
- Difficulties turning onto Farrington from side streets (signal timing, pedestrians crossing, etc.)
- New development needs to consider and provide solutions for congestion.



ISSUES AND OPPORTUNITIES: RESILIENCE

RESEARCH & TECHNICAL STUDIES

- Review of planning studies for sea level rise and emergency evacuations
 - Review of second access studies done in the last ~60 years. None have been implemented due to factors including cost, opposition, land ownership, archaeology/historic concerns, environmental concerns
- 



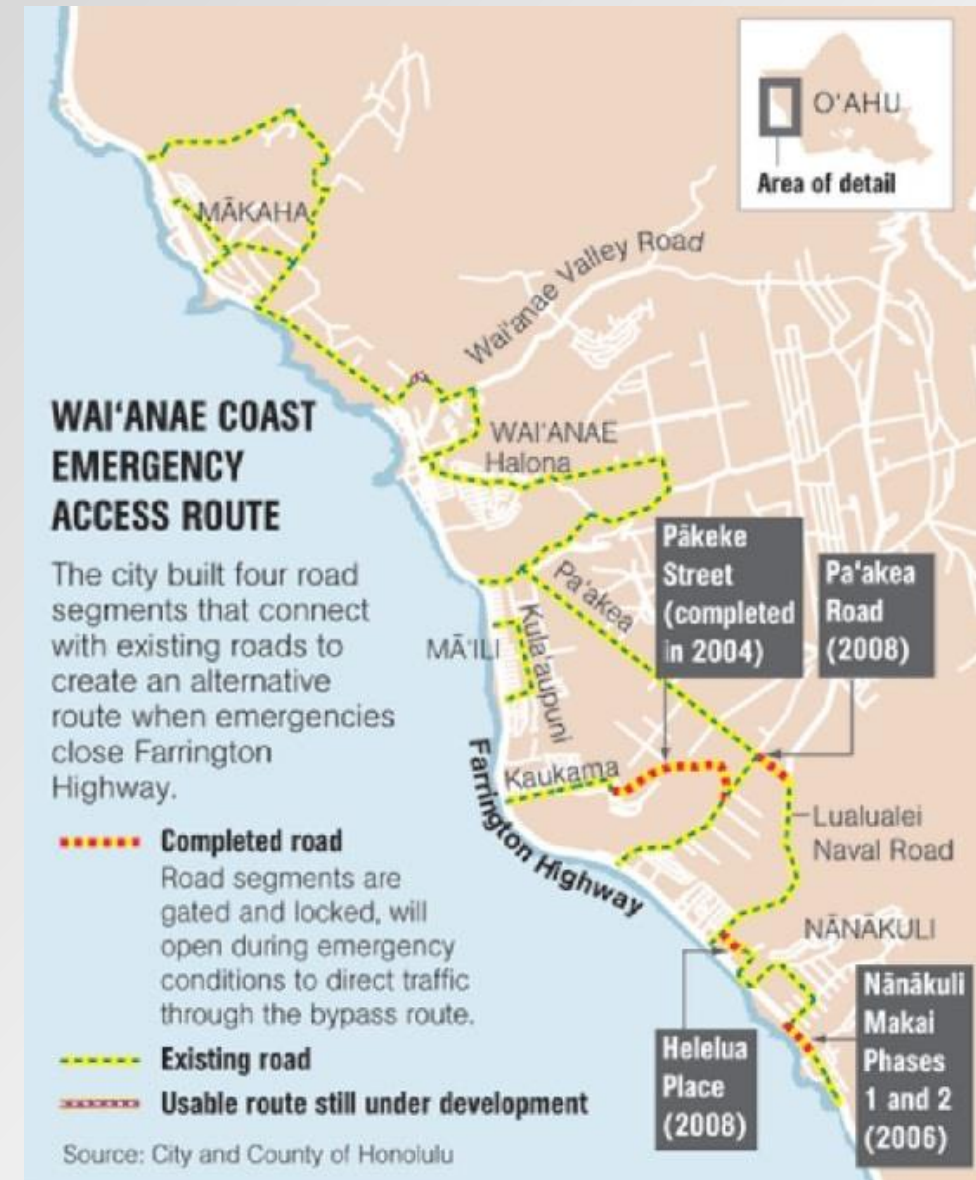
AREAS VULNERABLE TO:

- Seasonal beach erosion
- Wave overtopping
- Flooding (wetland)
- Sand deposits on Farrington Highway
- Rainfall flooding

ISSUES AND OPPORTUNITIES: RESILIENCE

WHAT WE'VE HEARD FROM THE COMMUNITY

- Strong opinions around second access:
 - Pro: Provide emergency access, alleviate traffic congestion.
 - Con: Concern about impact of bypassed traffic on neighborhoods/school zones, encouraging more development.
- WCEAR has segments that don't connect, 24-hr access needed.
- Concern about sand/waves washing up on the highway.
- Flooding/drainage problems impede access and create safety issues.
- Need to understand what development is planned, and update the Wai'anāe Sustainable Communities Plan.





Breakout Discussions

WAI'ANAE COAST YESTERDAY, TODAY, TOMORROW

What are your memories of your community and the highway?

Farrington Highway Yesterday, Today, and Tomorrow

Late 1800's-1900's

Farrington Highway was narrow and unpaved. During the plantation era, a railroad track ran along the Waianae Coast around Kaena Point, to Mokuleia and Waiialua.



Train in Nanakuli

1970's

Farrington Highway was paved, increasing access and shortening commute times to Honolulu.

1982

A portion of the highway was closed due to a landslide caused by Hurricane Iwa, highlighting the need for emergency access.

2009

The Waianae Coast Emergency Access Road was completed. This road connects existing roads mauka of the highway to provide an alternate way in and out of Waianae.

Today

How has the highway and community changed over time?

What role does the highway play in your daily life?

The highway is the Westside's primary connection to Honolulu, and beyond. Kapolei has become a regional destination for the Westside, shortening many trips. Safety concerns for motorists, pedestrians and bicyclists exist on the highway due to high-speed car and truck traffic through



Future

Rail will provide a new connection from the Westside into Honolulu and places between. Little new development is expected west of Kapolei, however traffic congestion will remain a concern. Providing convenient and reliable access to transit, walking, and biking will improve congestion and safety. Sea level rise and natural disasters will increase with climate change.



- What is the Wai'anae Coast to you?
 - Think about your memories, how you experience it today, and how you see it into the future.

HOW DO YOU USE FARRINGTON HIGHWAY?

- Where do you go and how?

WHAT ISSUES AND OPPORTUNITIES DO YOU SEE?

- What issues and/or opportunities do you encounter as you move around the area?

DE-BRIEF

- Reporting Back
- Did we meet our meeting goals?

MAHALO

Contact us with questions or comments:

SSFM International

Contact: Melissa May

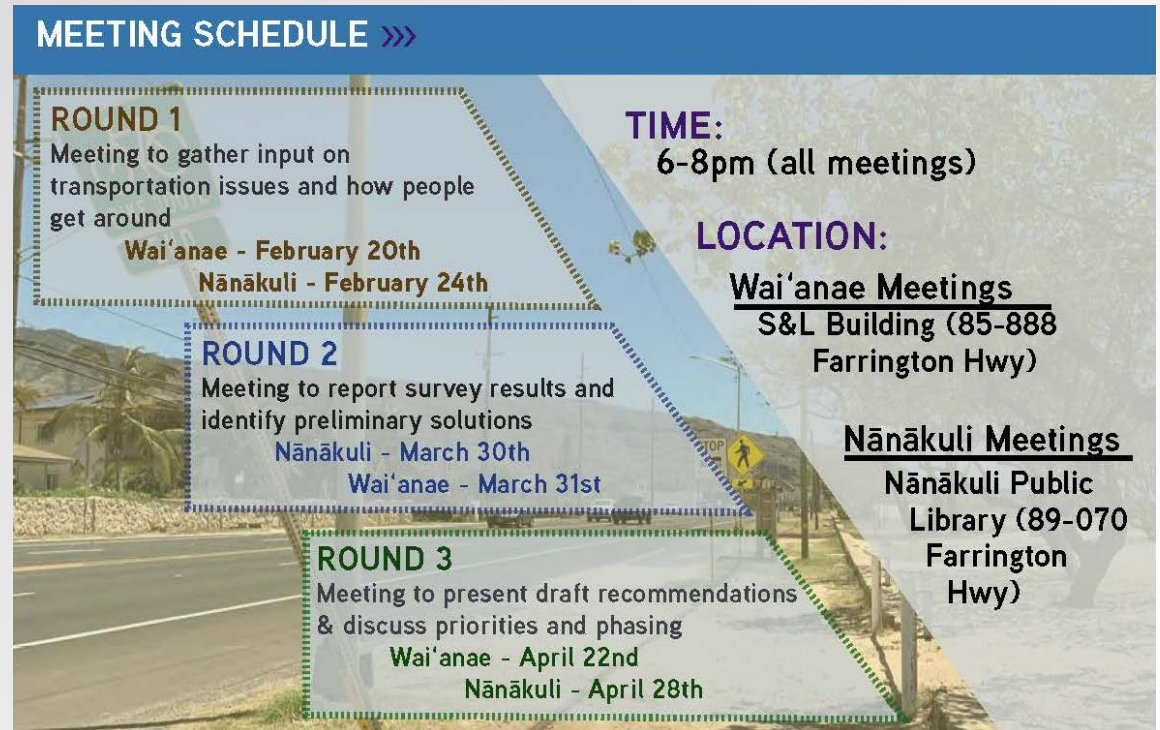
Phone: 808-628-5861

Email: mmay@ssfm.com

Project Website :

<http://hidot.hawaii.gov/highways/farringtoncorridorstudy/>

See you at the Next Meetings!



MEETING SCHEDULE >>>

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