

Kamehameha Highway Pedestrian Safety Project, Vicinity of Laniakea Beach

Presented to North Shore
Neighborhood

Board #27

September 28, 2021



PRESENTATION OBJECTIVES

- Discuss Project Intent or Purpose
- Present Alternatives Evaluated by the Draft EA
- Hear from you

PROJECT PURPOSE: PEDESTRIAN SAFETY

- 50 to 70 vehicles park mauka of the Highway during peak hours (11 am to 4pm).
- 200 to 300 pedestrian crossings each hour to access Laniakea Beach
- Pedestrian was hit by vehicle in August 2019.
- Existing facility has no pedestrian facilities.
- Narrow shoulders.



PROJECT PURPOSE: RELIEVE CONGESTION

- Traffic Delay times are about 25 minutes for Weekend peak hours.
- Back-up extends beyond Haleiwa Bypass (Haleiwa side) and beyond the intersection with Pupukea Road (Waimea Bay side).
- Delays are caused by vehicles stopping for pedestrians at Laniakea Beach.



PROJECT PURPOSE: IMPROVE RELIABILITY

Studies that Identify Kamehameha Highway for Shoreline Protection Improvements:

- 2003 Statewide Highway Shoreline Protection Study
- 2007 OMPO Transportation Enhancement Program Kamehameha Highway Relocation Review and Summary, Laniakea Beach, Kawaiiloa, Wailua District Oahu



PROJECT PURPOSE: IMPROVE RELIABILITY

Sea Level Rise : State of Hawai'i Sea Level Rise Viewer

An Interactive Mapping Tool in Support of the State of Hawai'i Sea Level Rise Vulnerability and Adaptation Report

[view full-screen map](#)

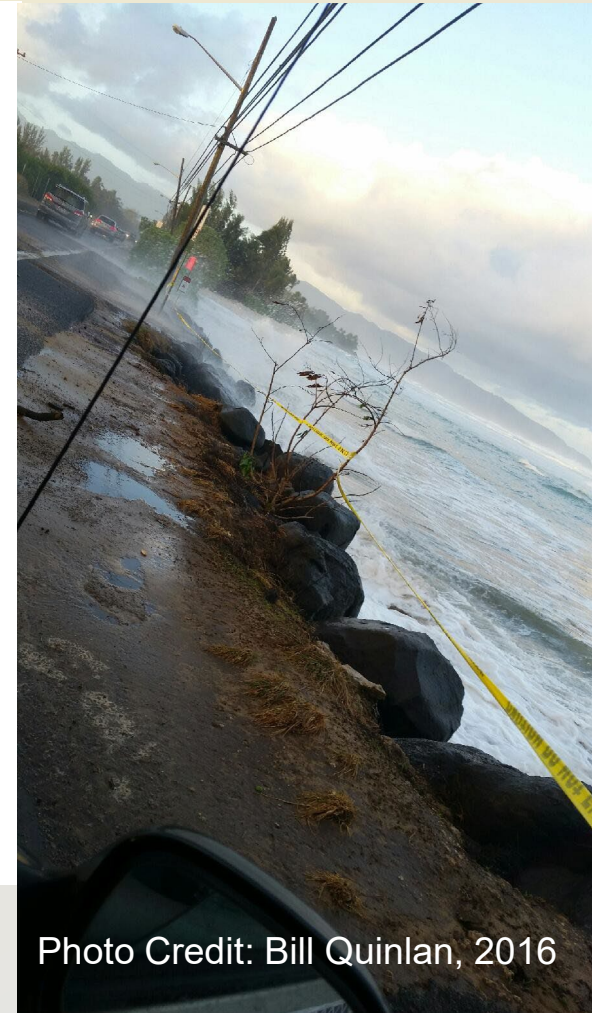
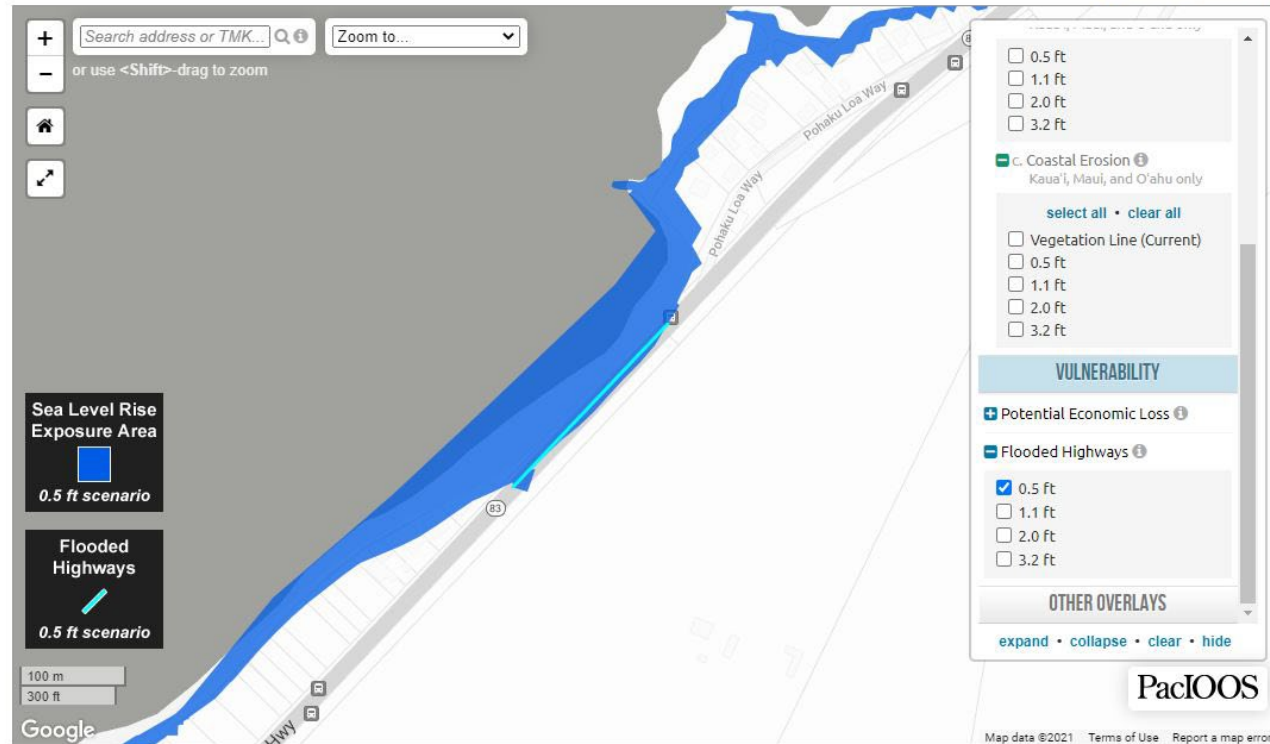
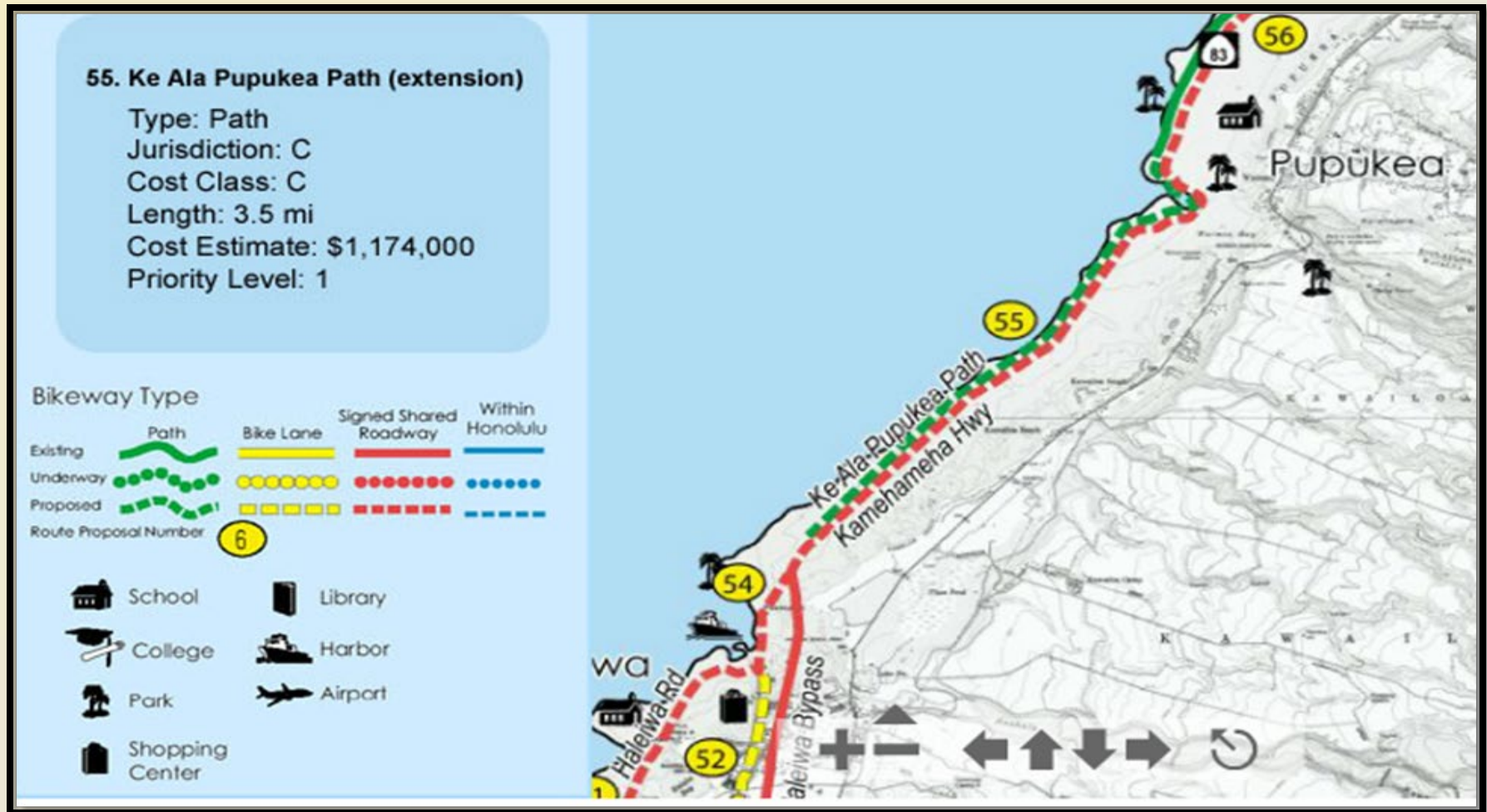


Photo Credit: Bill Quinlan, 2016



STATE OF HAWAII
Department of Transportation

PROJECT PURPOSE: PROVIDE PEDESTRIAN AND BIKE FACILITIES

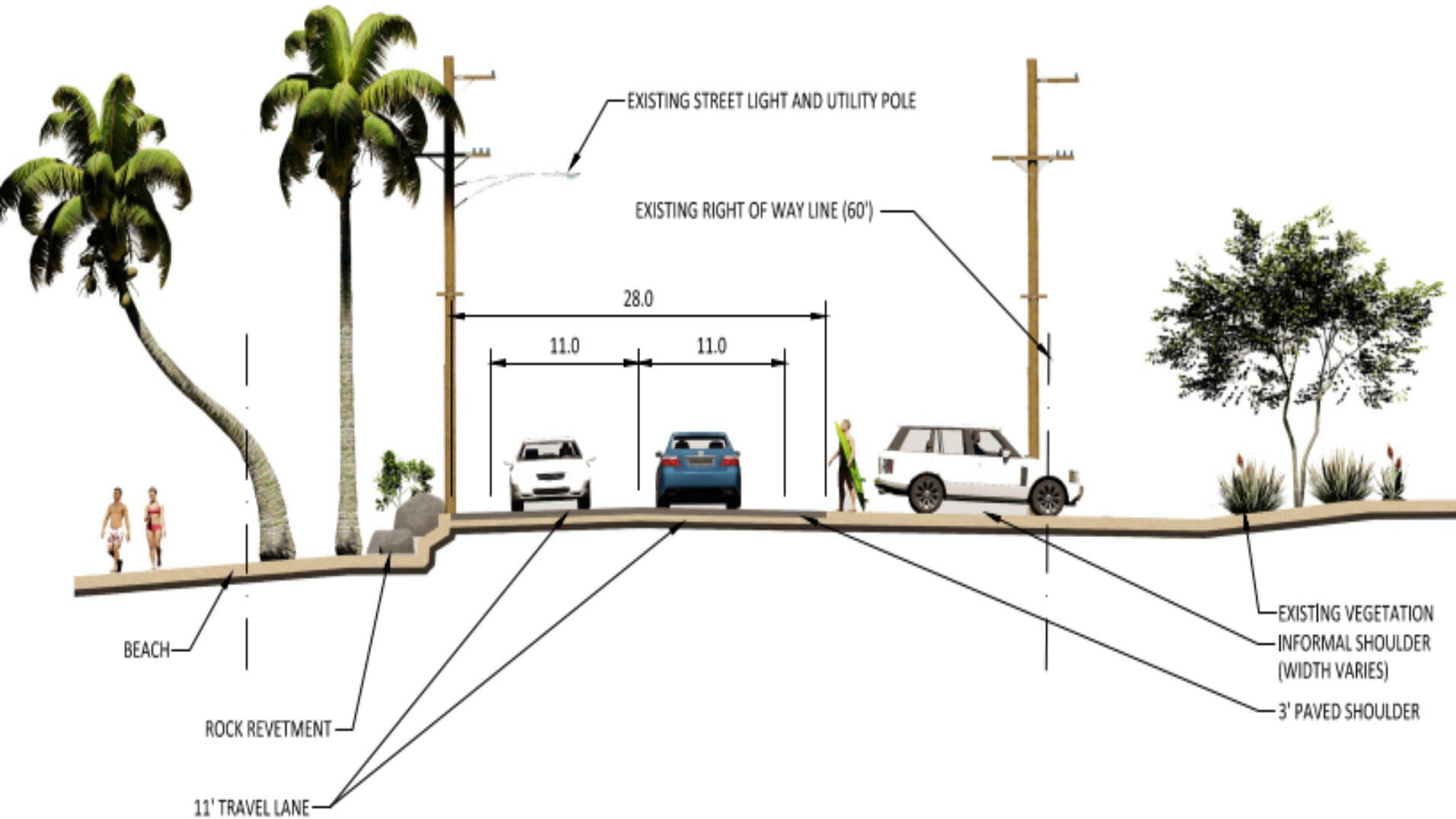


ALTERNATIVES STUDIED

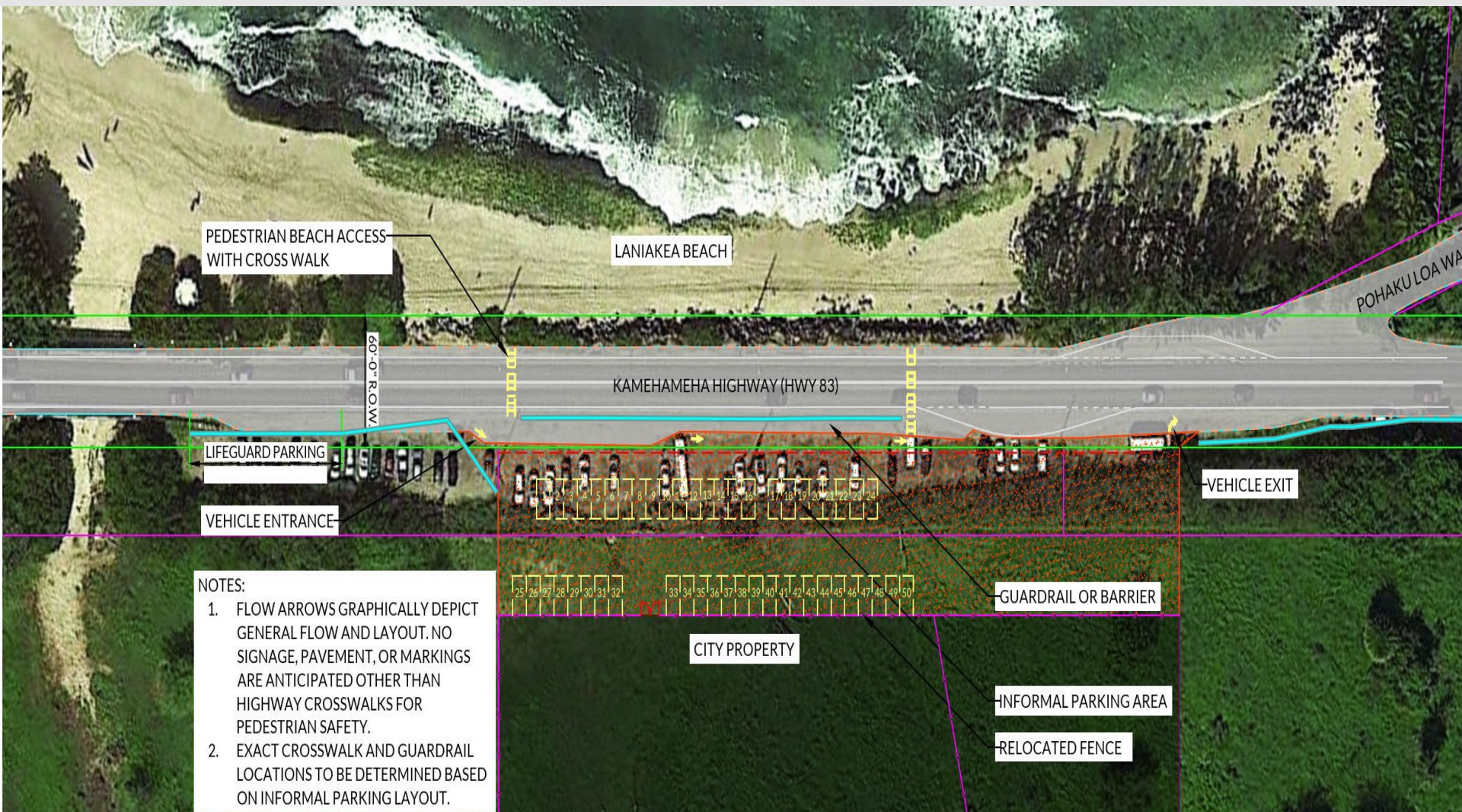
- No Build
- No Build Settlement Alternative
- Transportation System Management (TSM) Alternative
- Pedestrian Shift Alternative



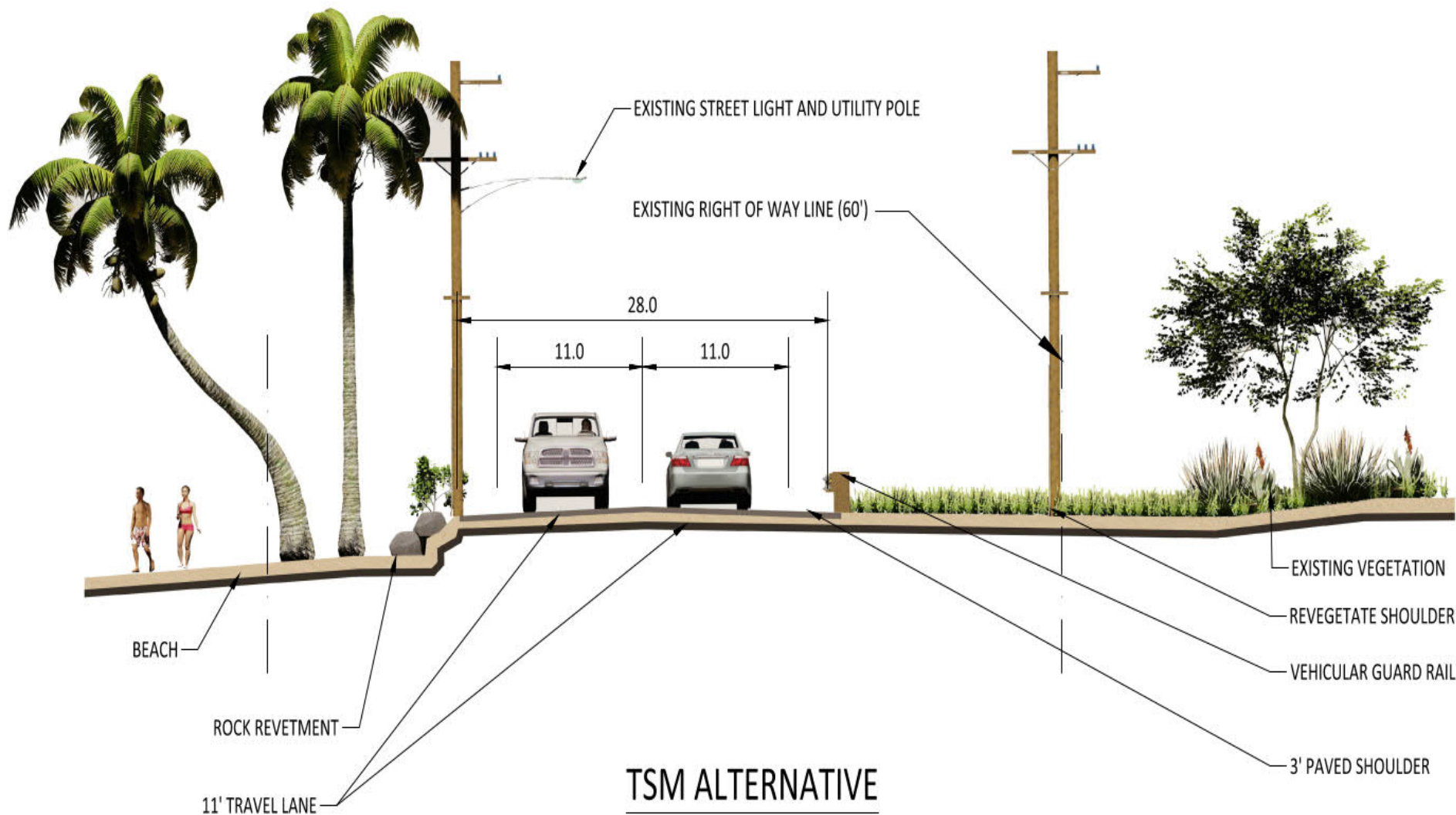
No Build Alternative



No Build Settlement Alternative



TSM Alternative



Pedestrian Shift Alternative

Proposed Improvements:

- Shifts Highway up to 80 feet Inland.
- Two 12-foot lanes and a 10-foot wide refuge lane.
- Buried cut-off wall to protect Highway.
- Vehicular guardrails to prevent parking mauka of the Highway.
- Cross-streets and Driveway Modifications.
- Street lights and Drainage Improvements.
- New Bridge at Lauhulu Stream (mauka of the existing).
- Re-purpose Existing Highway by converting the Mauka Lane to a 16-foot wide shared use path for bicyclists and pedestrians.



MAHALO

[//www.LaniakeaRealignment.com](http://www.LaniakeaRealignment.com)

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