

'23MAY22 PM 2:56 CITY CLERK

Kawailoa Ranch

# Kamehameha Highway improvements fronting Laniakea Beach

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Special Management Area Use Permit and Shoreline Setback Variance  
Permit Requests

MISC. COM. 265  
ZON

Submitted by State of Hawaii, Department of Transportation, Highway Division  
for Resolution 23-90 | Committee on Zoning | May 24, 2023

# Project Description

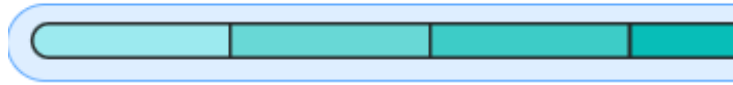
- HDOT is proposing to realign approximately 1,000 feet of Kamehameha Highway in the vicinity of Laniakea Beach
- The realignment would move the highway 90 feet inland to address pedestrian safety, shoreline erosion, congestion, and roadway reliability





^ Exposure Area

Sea Level Rise Scenario

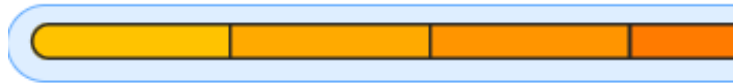


0.5 FT

**Note:** Use the color ramp to model different scenarios

^ Annual High Wave Flooding

Sea Level Rise Scenario



0.5 FT

**Note:** Use the color ramp to model different scenarios





## Coastal Zone Management/ Special Management Area

- The project is designed to maintain beach access, open spaces, and recreational resources by returning the makai lane of Kamehameha Highway in the proposed project area to its natural state and adding a shared use path on the existing mauka lane. This will improve recreational access and provide future connections to planned multimodal facilities.
- The beach will remain open and accessible throughout construction.



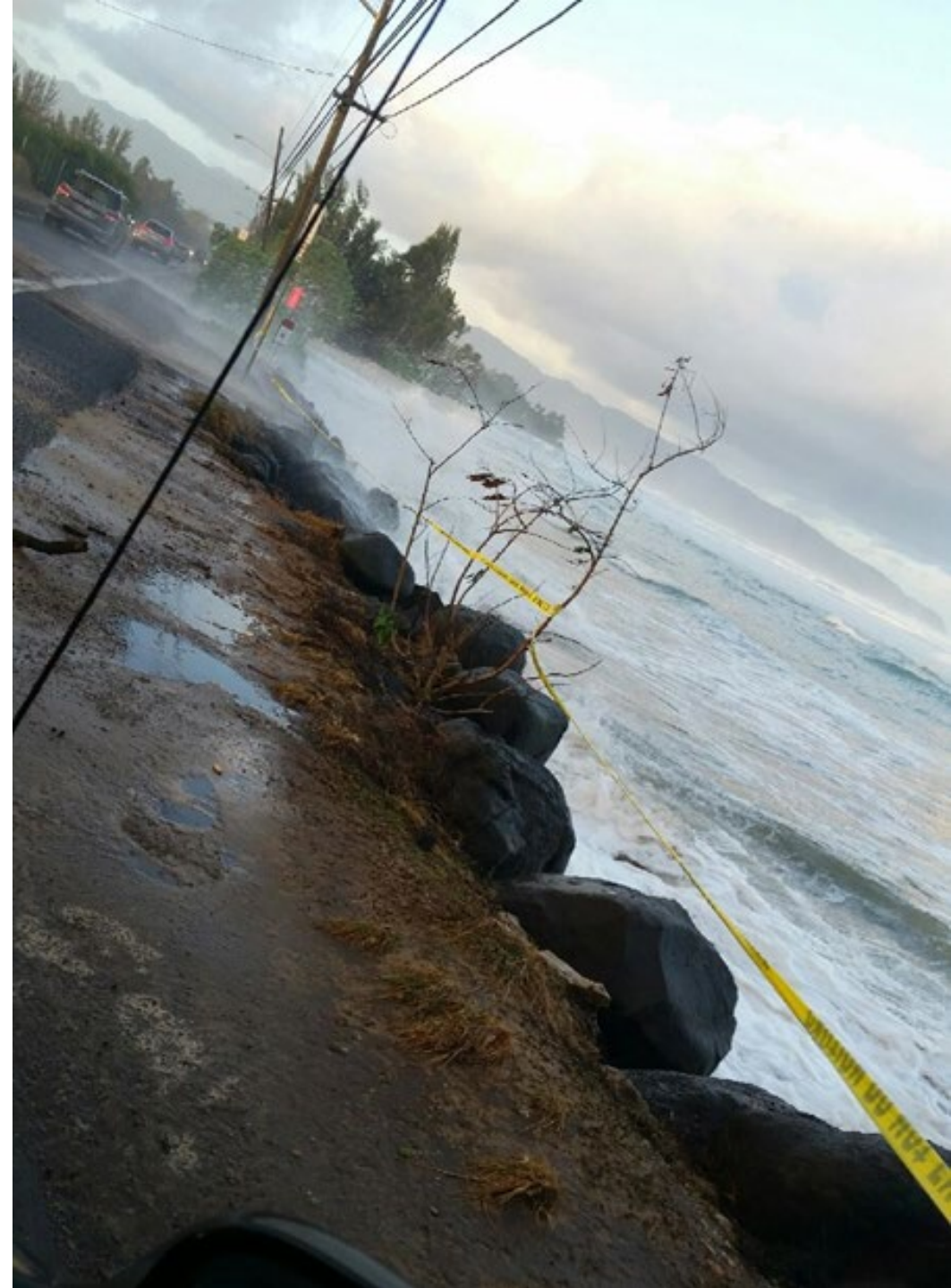
# Shoreline Variance

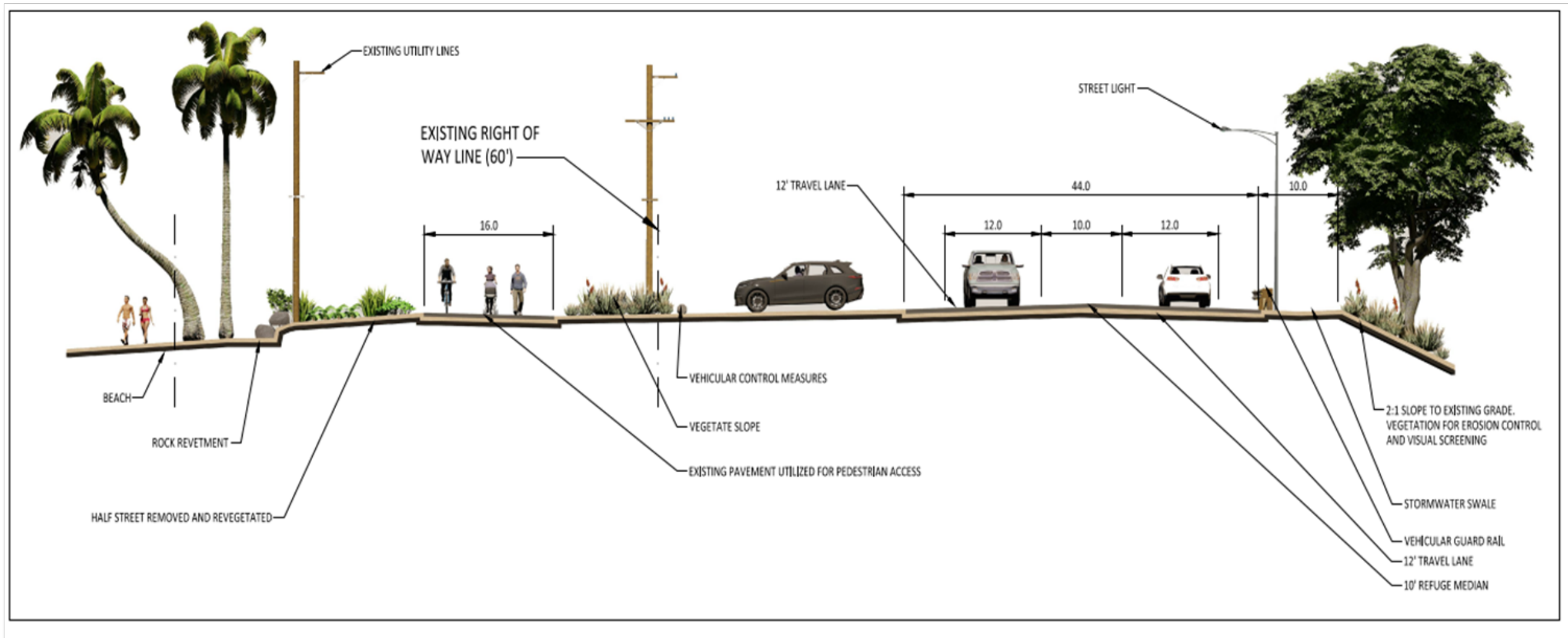
## Public benefits

- Pedestrian safety
- Coastal highway protection

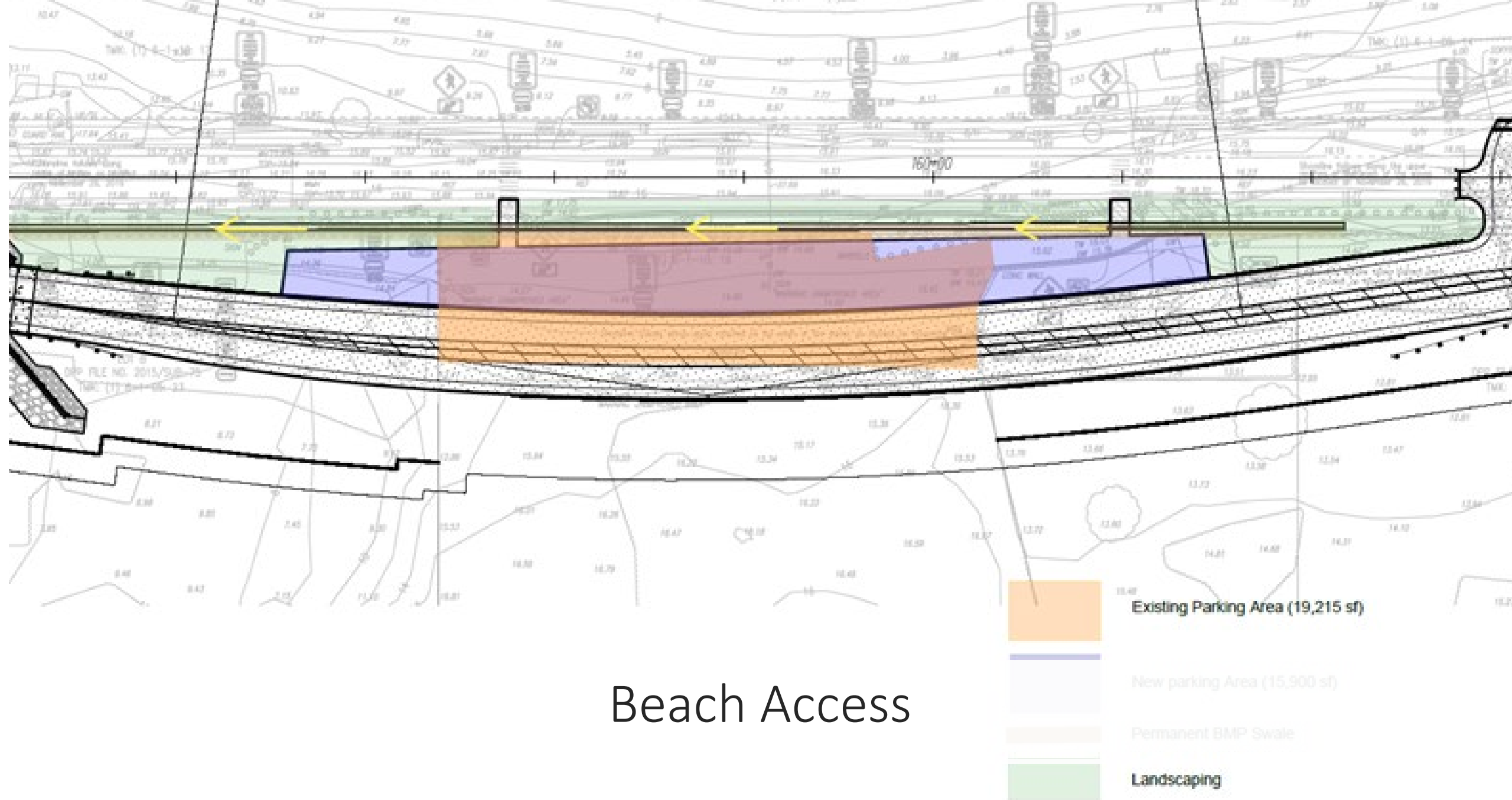
Portion of the proposed realignment must remain in the shoreline setback to connect with the existing highway to either side of the project area

Alternative would be not to build, resulting in continued pedestrian safety concerns, ongoing erosion and wave action impacts to the highway, and persistent operational delays.

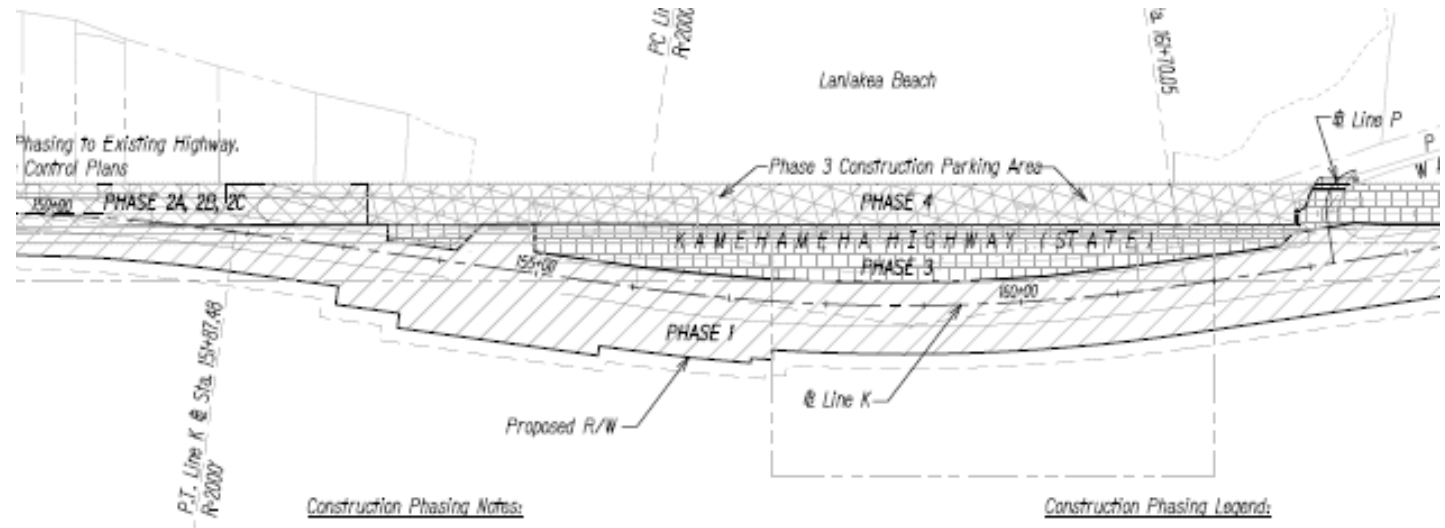




Typical section



# Construction Phasing



1. Phase 1 - Construct Bridge, Roadway Grading, Drainage Mauka of the existing R/W.
2. Phase 2A - Widen Makai side of existing Kamehameha Highway with temporary ac pavement at both ends. Shift traffic while work is being done to connect Waimea bound lane to new highway.
3. Phase 2B - Move Waimea bound traffic to new highway and work on Haleiwa Bound lane connections to new highway.
4. Phase 2C - Shift all traffic to the new highway and remove temporary pavement, connect driveways to new highway.
5. Phase 3 - Construct drainage and landscape between the existing highway and the new highway and Pohaku Loa Way connection. Use the existing highway as parking for public use during Phase 3 work.
6. Phase 4 - Remove AC pavement on portions of existing highway and install landscaping.

Construction Phasing Legend:

