

## **HDOT's Recent Effort on Windward Oahu Coastal Erosion**

HDOT's shoreline projects are based the following Statewide Coastal Highway Program Report dated 2019:

[https://hidot.hawaii.gov/highways/files/2019/09/State-of-Hawaii-Statewide-Coastal-Highway-Program-Report\\_Final\\_2019.pdf](https://hidot.hawaii.gov/highways/files/2019/09/State-of-Hawaii-Statewide-Coastal-Highway-Program-Report_Final_2019.pdf)

HDOT's approach is to take care of the critical shoreline erosion locations immediately while doing the mid-term projects which typically take longer time to complete due to the complexity of environmental clearance.

The mid-term projects will stabilize the shoreline and give us time to plan and determine the long-term plan for the Windward Oahu.

- Immediate Short-term Projects (immediate needs, temporary fix that is expected to last 2-3 years)
  - Kananelu Beach (recently completed construction)
  - Hau'ula (in construction)
  - Kalae'ō'io Beach (in design)
  
- Mid-term (the mitigation measure is expected to last 25 years)
  - Kaaawa Beach Park
    - Approximately 500LF engineered rock revetment fronting Kaaawa Elementary
    - Applied PROTECT grant (\$3M) in August 2023
    - Ready to advertise Spring 2024
    - Working with Kaaawa Elementary to engage students in shoreline protection student project
  - Kualoa, Kaaawa, Punuluu, Hauula (KKPH)
    - Approximate 3 miles of shoreline improvements
    - Currently doing the draft Environmental Assessment (dEA), anticipated to complete in late 2023.
    - Preferred alternative – combination of revetment and hybrid seawall with stone apron
    - Construction will be phased out to minimize traffic disruption
    - Anticipated ready to advertise - 2026
  
- Alternative non-dredging sand replenishment pilot
  - Sandsaver at Kualoa
  - Looking into pilot traditional Hawaii dry stack wall to retain sand
  
- Long-term – to be determined with agencies and communities

Robin Shishido  
Highways Deputy Director  
Hawai'i Department of Transportation