Honoapiilani Highway Emergency Shoreline Repairs Milepost 13 to 15

Lahaina, Island of Maui, Hawaii
May 20, 2015
Introduction and Meeting Purpose

State of Hawaii, Department of Transportation (HDOT)
Highways Division
Deputy Director: Ed Sniffen
Administrator: Raymond J. McCormick

• Provide information regarding the project
• Gather input from the community
• Establish working relationships with the community
Project Purpose

To protect this portion of Honoapiilani Highway from further shoreline erosion.
Background: Project Area

- Honoapiilani Highway faces shoreline erosion issues in various locations in Launiupoko, Olowalu, and Ukumehame
- Highway repairs and rock revetments have been required at other locations due to damage from past storms and/or gradual shoreline erosion
Existing Conditions
Future: Honoapiilani Highway Realignment

- HDOT has been considering the realignment and widening of Honoapiilani Highway from Maalaea to Lahaina Bypass
  - Alternatives have been identified
  - Estimated cost is in excess of $800 million
  - Planning and environmental is underway and continuing
- The existing highway needs to be maintained until realignment
Future: Honoapiilani Highway Realignment
Background: Emergency Shoreline Repairs

• Governor Neil Abercrombie’s disaster proclamation included storm surge damage on Maui

• Emergency repairs were made quickly and included:
  • Placing new or shifting existing “K-rail” barriers (aka “Jersey barriers”) to inhibit vehicles from straying into the eroded area
  • Placing roughly 115 “Bulka” bags filled with sand and gravel between the remaining highway embankment and the shoreline to slow natural coastal erosion
Emergency Shoreline Repairs
Permanent Emergency Repair Work: Details

- Work will occur during daylight hours (approximately 7a.m. to 6p.m.), 7 days/week
- Roadway configuration will remain two lanes, one in each direction
- Limitations on work hours and days will increase the duration and cost of construction
- Existing highway paved section limited to:
  - Two 12-foot wide lanes
  - A 6-foot wide shoulder lane on the mauka side
  - An 8-foot wide should lane on the makai side, partially damaged
Existing Typical Section
Step 1 Typical Section
Step 2 Typical Section
Future Typical Section
Permanent Emergency Repair Work: Permits

• All County and State level permits are suspended
• Federal disclosures/reviews/permits/approvals still in force:
  • National Environmental Policy Act (NEPA) disclosure
  • National Historic Preservation Act (NHPA) Section 106 review
    • Section 106 meetings will be held, as appropriate, and those meetings will be advertised
  • Section 4(f) of the US Department of Transportation Act review
  • Endangered Species Act (ESA) Section 7 review
• Others may be required
Permanent Emergency Repair Work: Potential Impacts

• Beneficial:
  • Prevent further erosion damage to the highway
  • Reliable access through the project area, a link in the Lahaina access corridor
  • Improved safety for motorists
  • Improved bicycle and pedestrian facilities
  • Prevent deposition of asphaltic materials and underlying soils onto the nearshore reef, thereby mitigating the existing degradation of the coral reef

• Adverse:
  • Construction-phase impacts, (noise, staging areas, etc.)
  • Loss of accessible natural shoreline
Questions?
Project Contact Information

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