Update on the Posey/Webster Tubes Rehabilitation Project
Ala-260 in the Cities of Alameda and Oakland

Presented by Michael Nguyen,
Project Manager
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Need for Project

- The Webster and Posey Tubes and the Posey Tube portal buildings are in need of repairs.
- Portal building surfaces, structural members, roofs and interiors are damaged.
- Guardrails in the Tubes are damaged.
Project Purpose

 Extend the service life of the structures (buildings and tubes)
 Continue to serve the structures’ safety and operational purpose for motorists, cyclists, pedestrians, and Caltrans Maintenance staff
 Rehabilitate the structures while reinforcing the values that make them culturally significant
Alameda Portal Building - Interior spalls and structure damage
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Alameda Portal Building - Exterior Cracks and Damage
Posey Tube - Damaged Guardrail and Belt Course
Repair the Posey buildings interior and rehabilitate the buildings exterior
Guardrail replacement and sidewalk repair
Installation and restoration of lighting outside the tubes
Install Closed Circuit TV (CCTV) cameras
Improve signage at the entrance to the Posey Tube
Rehabilitate Building Exterior

Replace plywood panes with clear, non-yellowing, impact resistant panels.
Remove and repaint portal exterior surface coatings
Existing Guardrail
Proposed Guardrail

ELEVATION WALL EXIT SIGN

GUARD RAIL AND GATE ELEVATION

SIGNAGE
POSEY/WEBSTER TUBE

TRANSPORTATION ARCHITECTURE BRANCH
STATE OF CALIFORNIA
Proposed Guardrail
Approach Pylons to be re-illuminated

Historic Light Standards to be Replaced
Replace cobra-head lights at the entrance to the tubes with historic-reproduction lighting.
Exhibit 5

NILAND-19 SERIES

1. BASE
- Base shall be cast aluminum. Aluminum shall be certified as pure 99.6% copper free of any porosity, foreign materials or corrosive filters. Base seating shall be all aluminum washers with no waxing or metal chilling. Non-base washers shall be 20°. The base seating shall have an interior chrome to the 12° level. The interior shall be 25°. The top aluminum access cover shall be retained with two 1/4"-20 machine screws.

2. POLE
- Pole shall be round aluminum, the base shown and shall be carded at the location of the base. Pole extension shall be 1/4" with no waxing or metal chilling. Non-base washers shall be 20°. The top of the column is shown the column shall be round aluminum. There are no starter kits for this column. The baffle location is shown in the base shall be held in place as part of the base seating for maximum strength. The column shall be seamless, deep drawn, and extruded aluminum.

3. FINISH
- Finish shall consist of epoxy, phosphatizing and baking with a 1/4"-20 machine screw, treated, non-shedding coating with a commercial TECU coating. Cold finished stainless steel bolts shall be used for the bolt kit. The bolts shall be treated and non-shedding. The bolts shall be made of stainless steel. The bolts shall be made of stainless steel. The bolts shall be made of stainless steel. The bolts shall be made of stainless steel. The bolts shall be made of stainless steel.

4. ANCHORAGE DETAIL
- Standard 11-1/4" height or lower base and 11-1/4" type socket bulb. Standard height is 11 feet shall use 12V, 10" type bulbs. Standard height is 11 feet shall use 12V, 10" type bulbs.
Relocate Extinguishable Message Signs (EMS) and reduce sign clutter at the entrance to the Posey Tube
Schedule and Funding

- End Environmental Phase: Sept. 2013
- Advertise: Aug. 2014
- End Construction: Dec. 2015

- Funding from State Highway Operation and Protection Program (SHOPP): $8M
Other Issues

- Maintenance of the tubes
  - Tube washing
  - Fan operation

- Future Improvements
  - Operational Improvements inside the tubes
  - Possible future estuary crossing
Meetings with City staff to address concerns related to the project
Will continue coordinating with City staff as contract documents are being prepared
Will provide City staff 65% and 95% contract plans for review
Provide City staff the Traffic Management Plan (TMP) for review
Construction Issues

- Provide public outreach prior and during construction
- Create a project webpage to be updated throughout the construction phase
- Address bike/pedestrian access during construction as needed