



Agenda Item No. 1

To: Building and Operation Committee/Committee of the Whole
Meeting of October 22, 2009

From: Ewa Z. Bauer, Deputy District Engineer
Denis J. Mulligan, District Engineer
Celia G. Kupersmith, General Manager

Subject: **AUTHORIZE EXECUTION OF AN AGREEMENT WITH THE CALIFORNIA HIGHWAY PATROL TO PROVIDE ENFORCEMENT SERVICES DURING CONSTRUCTION FOR THE GOLDEN GATE BRIDGE SEISMIC RETROFIT PHASE IIIA, NORTH ANCHORAGE HOUSING/NORTH PYLON PROJECT**

Recommendation

The Building and Operating Committee recommends that the Board of Directors authorize execution of an oncall service agreement with the California Highway Patrol (CHP) in a not to exceed amount of \$2,247,850 for enforcement of the construction zone speed limit and assistance with traffic diversions for nighttime lane closures during construction of *the Golden Gate Bridge Seismic Retrofit Phase IIIA, North Anchorage Housing/North Pylon Project* with the understanding that funds for these services are included in the Seismic Retrofit Project budget.

This matter will be presented to the Board of Directors at its October 23, 2009, meeting for appropriate action.

Summary

The Golden Gate Bridge Seismic Retrofit Phase IIIA Project, Contract No. 2006-B-1, provides for removing and replacing the full width of the roadway deck and the adjacent east and west sidewalks over the North Anchorage Housing. The Project also includes closing the roadway deck joint between the North Pylon and the North Anchorage Housing, installing a roadway seismic isolation joint between the North Anchorage Housing and the North Approach Viaduct and installing an asphalt concrete riding surface over the replaced roadway area. These construction operations will require nighttime closures of selected traffic lanes on the Bridge. The California Department of Transportation and Federal Highway Administration recommend utilizing the California Highway Patrol services for operations that impact traffic. The CHP services include having patrol officers and vehicles present at the site during the work operations to provide enforcement of reduced speed limits during installation and removal of lane closures and during the work shift conducted under lane closures, and to provide traffic breaks to facilitate moving equipment and materials to the work areas. These CHP services were

successfully utilized on the Phase I and Phase II Seismic Retrofit projects and are included in the Phase IIIA Project plan.

Based on the Phase IIIA Contractor's work schedule, the number of night shifts that will require traffic lane closures has been estimated at 610. The District and the CHP have negotiated and agreed to the terms and conditions for an oncall service agreement in a total amount not to exceed \$2,247,850 that will provide for enforcement of the construction zone speed limit and assistance with traffic diversions for the estimated number of nighttime lane closures. The Agreement includes a price per night shift of CHP services. The presence of the CHP personnel and vehicles will be requested by the District only for the nights when construction operations are actively in progress on the Bridge roadway.

Background

The retrofit of the North Anchorage Housing roadway and sidewalks consists of removing and replacing the east and west sidewalks, removing the existing asphalt concrete riding surface, saw cutting, removing and replacing the existing roadway deck in 78 segments, welding the perimeter of the 78 deck units, welding the full width and length of all deck unit transverse and longitudinal joints, welding the full width of the transverse joint between the North Pylon and the North Anchorage Housing, and retrofitting the Isolation Joint across the full width of the roadway at the North Anchorage Housing and the North Approach Viaduct.

The work involved in removing and replacing the North Anchorage Housing east and west sidewalks includes work that will be performed within three (3) feet from the edge of the roadway and, therefore, will require closure of the adjacent curb lanes. This work includes removing and reinstalling the existing bicycle railings, installing and removing temporary traffic screens on the sidewalk curbs, moving equipment and materials onto the sidewalks, removing sections of the existing sidewalk decks, installing new structural steel framing elements and placing concrete for the new sidewalks.

The work involved in removing and replacing the North Anchorage Housing roadway includes grinding off the existing asphalt concrete surfacing for the full width and length of the North Anchorage Housing roadway area, sequentially saw cutting the existing roadway deck into 78 segments (one segment at a time) and replacing them with new deck units, welding the perimeter steel of each new deck unit to the adjacent deck units, and placing an asphalt concrete riding surface over the full width and length of the North Anchorage Housing roadway area.

The work involved in closing the joint between the North Pylon and the North Anchorage Housing includes saw cutting and removing approximately two (2) feet of the existing roadway surfacing, cleaning and preparing the existing steel deck, bolting and welding new steel angles across the joint to tie the two (2) deck sections together, and placing new roadway surfacing. The work involved in installing the seismic isolation joint includes saw cutting and removing approximately six (6) feet of the existing roadway surfacing, removing the existing bolts, nuts, pads, joint plates and steel grating, cleaning and preparing the existing steel framing elements for the new joint, installing new isolation joint, and placing new roadway surfacing.

Fiscal Impact

The *Golden Gate Bridge Seismic Retrofit Phase IIIA, North Anchorage Housing/North Pylon* Project is included in the FY 2010 Bridge Division Capital Budget at a total cost of \$119,231,219. The construction budget approved by the Board of Directors in March 2008 includes a line item in the amount of \$2,250,000 for retaining services of the California Highway Patrol. Sufficient funds are available in the Project budget to finance the \$2,247,850 cost of these services.