



Agenda Item No. 2

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 CHANGE ORDER NO. 16 TO  
CONTRACT NO. 2006-B-1, GOLDEN GATE BRIDGE SEISMIC  
RETROFIT PHASE IIIA, NORTH ANCHORAGE HOUSING/NORTH  
PYLON, FOR MODIFICATIONS TO FOUNDATIONS**

### **Recommendation**

The Building and Operating Committee recommends that the Board of Directors authorize execution of Contract Change Order No. 16, in the amount of \$283,281.27 for modifications to the Bent 5 and Bent 6 foundations relative to *Contract No. 2006-B-1, Golden Gate Bridge Seismic Retrofit Phase IIIA, North Anchorage Housing/North Pylon*, with the understanding that funds to finance this work are available in the Contract 2006-B-1 contingency.

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 construction contract, Contract No. 2006-B-1, provides for seismically retrofitting the North Anchorage Housing. The retrofit includes strengthening of the Housing foundations by enlarging the existing footings and tying them to the underlying rock using a system of micropiles and rock bolts. The North Anchorage Housing was constructed over a steep slope with an elevation difference of as much as 60 feet. The existing concrete footings supporting the structure were constructed on small areas cut into the rock.

One of the first orders of work under Contract 2006-B-1 was to remove the existing loose lead contaminated material overlying the rocky ground and Housing foundations to provide a safe working environment during the structural retrofit work. To meet the clean up level required for the worker safety, a significant amount of contaminated material had to be removed from the slope near the Bent 5 and 6 footings. The resulting very steep ground surface necessitates that a concrete bench and retaining wall be constructed and the downward slopes be stabilized with shotcrete and additional rock bolts to provide a base for the enlarged retrofitted footings at Bents 5 and 6.

The Phase IIIA design consultant has prepared plans and technical specifications for this extra contract work. The District Engineering staff negotiated a cost of the work with the Phase IIIA contractor in the amount of \$283,281.27.

**Fiscal Impact**

In March 2008, the Board of Directors awarded Phase IIIA construction contract, Contract 2006-B-1, in the amount of \$82,320,672 and approved the contract contingency in the amount of \$8,232,067.

The negotiated cost of Contract Change Order No. 16 is \$283,281.27. Sufficient funds are available in the Contract 2006-B-1 contingency to finance this Contract Change Order.