



Agenda Item No. 4

To: Building and Operating Committee/Committee of the Whole  
Meeting of May 24, 2007

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

Subject: **APPROVE ACTIONS RELATIVE TO CONTRACT NO. 99-B-5, GOLDEN GATE BRIDGE SEISMIC RETROFIT (PHASE II), SOUTH APPROACH STRUCTURES, FOR CONSTRUCTION MANAGEMENT AND INSPECTION SUPPORT SERVICES**

### **Recommendation**

The Building and Operating Committee recommends that the Board of Directors approve the following actions regarding construction management and inspection support services for Contract No. 99-B-5, *Golden Gate Bridge Seismic Retrofit (Phase II), South Approach Structures*, relative to the final inspection and reporting of the constructed improvements:

1. Authorize an addendum to the Ninth Amendment to the Professional Services Agreement with HNTB Corporation, Inc., in an amount not to exceed \$510,000, and a corresponding consultant contract contingency in an amount of \$50,000, for additional scope of work and extension of time of the Construction Management and Inspection Support Services; and,
2. Authorize a budget increase in the amount of \$560,000 in the Golden Gate Bridge Seismic Retrofit Phase II Project budget, to be funded with the federal grant funds programmed for the Seismic Retrofit Project, subject to the concurrence of the Finance-Auditing Committee at its meeting of May 24, 2007;

with the understanding that federal grant funds are available to finance these additional consultant services.

### **Summary**

Phase II of the Golden Gate Bridge Seismic Retrofit Project includes structural retrofit and utility modifications at the following five Bridge structures: the South Approach Viaduct, the South Anchorage Housing, Pylons S1 and S2, and the Fort Point Arch. Extensive and much-needed repairs and painting at the South Viaduct and the Fort Point Arch steel structures were added to the Phase II construction scope of work and the contract time was extended through contract change orders

approved by the Board. This additional scope was financed from the savings in the original contract contingency and from additional federal grant funds allocated to the Golden Gate Bridge Seismic Retrofit program. In all, Phase II represents the most complex and largest phase of the entire Bridge Seismic Retrofit program.

The Phase II construction is approaching completion. All seismic retrofit measures have been completed. After the contractor finalizes the contract change order work and finish work, site cleanup will follow.

Construction administration procedures for projects funded by the Federal Highway Administration (FHWA) require that, prior to the acceptance of a project by FHWA, the constructed improvements undergo final field inspections and verification of the materials reports and as built plans. The final project completion reports must be prepared and submitted to FHWA through its authorized agent the California Department of Transportation (Caltrans). As part of this process, a list of outstanding items requiring action will be prepared and provided to the contractor and such work will be inspected before final acceptance by the District. Because of the Phase II project complexity and extended scope of work, this undertaking necessitates that District engineering staff be augmented by staff of the construction management and inspection support services consultant for the Phase II construction, HNTB Corporation, Inc.

District engineering staff defined the inspection scope of work required of the consultant staff. It is estimated that the consultant's assistance will be required through September, 2007. The consultant submitted a cost proposal for these additional services. District staff reviewed the submitted cost proposal and determined that an increase in the amount of \$510,000 would be required to finance the extended scope of work by the consultant.

According to the District's Phase II Construction Contract Administration Plan that was approved by Caltrans and FHWA, construction management and inspection services for Contract No. 99-B-5 are performed by an integrated team of District staff and consultant employees. Under the Ninth Amendment to the Professional Services Agreement, HNTB Corporation, Inc. and its subconsultants are providing Construction Management and Inspection Support Services for the Phase II project construction.

### **Fiscal Impact**

The total cost of the construction management and support inspection services by HNTB Corporation, Inc. attributable to the extended construction scope of work and time is estimated to be \$510,000. It is recommended that a contingency in the amount of \$50,000 be established for these consultant services. A project budget increase in the amount of \$560,000 is required to finance this work and a recommended 10% contingency. The Phase II construction management and inspection cost is part of the total cost to construct the Phase II project and is eligible for financing by federal grant funds. Federal funds have been programmed to support this budget increase.