





# Memorandum

**Date:** 10.13.15 **RE:** Finance Committee  
October 20, 2015

**To:** Finance Committee: Commissioners Avalos (Chair), Mar (Vice Chair), Campos, Cohen, Kim and Wiener (Ex Officio)

**From:** Eric Cordoba – Deputy Director for Capital Projects 

**Through:** Tilly Chang – Executive Director 

**Subject:** **ACTION** – Recommend Increasing the Amount of the Professional Services Contract with Parsons Brinckerhoff, Inc. by \$1,350,000, to a Total Amount Not to Exceed \$7,650,000 to Complete Construction Support Services for the I-80/Yerba Buena Island Ramps Improvement Project, and Authorizing the Executive Director to Modify Contract Payment Terms and Non-Material Contract Terms and Conditions

## Summary

The Transportation Authority is working jointly with the Treasure Island Development Authority (TIDA) on the development of the I-80/Yerba Buena Island Ramps Improvement Project. In July 2013, through Resolution 14-02, the Transportation Authority awarded a contract to Parsons Brinckerhoff, Inc. in an amount not to exceed \$6,300,000 for construction support services including construction inspection and testing. The project is currently in the construction phase approximately 69% complete and progressing satisfactorily; however, overall project complexity and site challenges have resulted in additional design services during construction and construction management, inspection and support efforts beyond what was anticipated in the original scope. Construction completion is anticipated by August 2016. This consultant contract amendment will be 100% reimbursed by a combination of Federal Highway Bridge Program and State Prop 1B funds and will be drawn down from the approved construction phase budget for the project. Execution of this contract amendment is contingent on the shifting of previously allocated federal and state funds from construction capital contingency to construction engineering support. Any costs not reimbursed by federal or state funds will be reimbursed by TIDA.

## BACKGROUND

The Transportation Authority is working jointly with the Treasure Island Development Authority (TIDA) on the development of the I-80/Yerba Buena Island (YBI) Interchange Improvement Project. TIDA is currently working with the Transportation Authority in securing all approvals for the project. TIDA asked the Transportation Authority, in its capacity as the Congestion Management Agency, to lead the effort to prepare and obtain approval for all required technical documentation for the I-80/YBI Interchange Improvement Project because of its expertise in funding and interacting with the California Department of Transportation (Caltrans) on design aspects of the project. The scope of the I-80/YBI Interchange Improvement Project includes two major components: 1) The I-80/YBI Ramps Improvement Project, which includes constructing new westbound on and off ramps (on the east side of YBI) to the new Eastern Span of the San Francisco-Oakland Bay Bridge (SFOBB); and 2) seismic

retrofit of the existing YBI Bridge Structures on the west side of the island a critical component of island traffic circulation leading to and from SFOBB.

Over the last seven years, the Transportation Authority I-80/YBI Ramps Improvement Project team has worked closely with Caltrans on all aspects of the project development process. The Final Environmental Impact Report/Environmental Impact Statement, with Caltrans as the National Environmental Policy Act lead agency under delegation from the Federal Highway Administration and the Transportation Authority as the California Environmental Quality Act lead agency, was approved in December 2011. The Transportation Authority also completed the Plans, Specifications and Estimates and right of way certification efforts for the project in March 2013. On December 17, 2013, through Resolution 14-37, the Transportation Authority awarded a construction contract to the lowest responsible and responsive bidder, Golden State Bridge, Inc., in the amount of \$49,305,345 for the project and authorized the Executive Director to execute the construction contract and all other supporting documents, and authorize a construction allotment of \$63,874,686.

## **DISCUSSION**

The purpose of this memorandum is to recommend increasing the amount of the professional services contract with Parsons Brinckerhoff, Inc. (PB) by \$1,350,000, to a total amount not to exceed \$7,650,000, to complete construction management support services for the I-80/YBI Ramps Improvement Project.

In July 2013, through Resolution 14-02, the Transportation Authority awarded a contract to PB in an amount not to exceed \$6,300,000 for construction support services including construction inspection and testing. The project is currently in the construction phase, approximately 69% complete and progressing satisfactorily. Construction completion is anticipated by August 2016. The construction of the Transportation Authority's I-80/YBI Ramps Improvement Project is occurring in close proximity to the Caltrans construction of the SFOBB East Span Seismic Safety Project and the tightly constrained working areas on YBI result in multiple on-going changes and modifications to design and construction methods. Overall project complexity and site challenges have resulted in additional design services during construction and construction management, inspection, testing and support efforts beyond what was anticipated in the original scope. Examples include nesting birds which resulted in delays and additional monitoring and stage construction changes; re-staging of traffic and detour roads to accommodate United States Coast Guard requirements, Caltrans SFOBB contract staging changes, and contractor's preferred work sequencing; bridge seismic joint revisions; on-going coordination with utility companies for relocation and tie-ins; differing site conditions; unidentified utilities and other buried objects; and extensive coordination with Caltrans Design and Construction Oversight in review of submittals and contract change orders.

Since a portion of this contract is anticipated to be funded with federal financial assistance from the Federal Highway Administration, administered by Caltrans, the Transportation Authority will adhere to federal regulations pertaining to disadvantaged business enterprises (DBE). To date, PB has maintained 15% DBE participation from two sub-consultants: African-American-owned and San Francisco-based firm, Transamerican Engineers & Associates; and Hispanic-owned firm, Garcia and Associates.

Execution of this contract amendment is contingent on the approval of the shifting of previously allocated federal and state funds from construction capital contingency to construction engineering support and is anticipated to be approved by Caltrans in November 2015. In July 2013, through Resolution 14-01, the Transportation Authority and TIDA entered into a Memorandum of Agreement

for the construction phase of the project that established the terms and conditions of each party's roles and responsibilities.

## **ALTERNATIVES**

1. Recommend increasing the amount of the professional services contract with PB by \$1,350,000, to a total amount not to exceed \$7,650,000 to complete construction support services for the I-80/YBI Ramps Improvement Project, and authorizing the Executive Director to modify contract payment terms and non-material contract terms and conditions, as requested.
2. Recommend increasing the amount of the professional services contract with PB by \$1,350,000, to a total amount not to exceed \$7,650,000 to complete construction support services for the I-80/YBI Ramps Improvement Project, and authorizing the Executive Director to modify contract payment terms and non-material contract terms and conditions, with modifications.
3. Defer action, pending additional information or further staff analysis.

## **CAC POSITION**

The CAC considered this item at its September 30, 2015 meeting and unanimously recommended a motion of support for the staff recommendation.

## **FINANCIAL IMPACTS**

This consultant contract amendment will be 100% reimbursed by a combination of Federal Highway Bridge Program (HBP) and State Prop 1B Seismic Retrofit funds. Funds for this contract amendment are coming from the overall existing construction contingency allocation. Execution of this contract amendment is contingent on the approval of the shifting of previously allocated federal and state funds, from construction capital contingency to construction engineering support and is anticipated to be approved by Caltrans in November 2015. Any costs not reimbursed by federal or state funds will be reimbursed by TIDA. A portion of the proposed contract amendment will be included in the Transportation Authority's mid-year budget amendment. Sufficient funds will be included in future budgets to cover the remaining cost of the contract.

## **RECOMMENDATION**

Recommend increasing the amount of the professional services contract with PB by \$1,350,000, to a total amount not to exceed \$7,650,000 to complete construction support services for the I-80/YBI Ramps Improvement Project, and authorizing the Executive Director to modify contract payment terms and non-material contract terms and conditions.

Attachment:

1. Scope of Services

**Attachment 1: Appendix A**  
**Services to be Provided by Contractor**

**I. Description of Services**

Contractor shall provide the necessary full construction management services for the I-80/YBI Ramps Project in San Francisco, California. The construction management contract for the YBI Ramps Project will consist of a three-phase effort with Phase 1 consisting of pre-construction services; Phase 2 consisting of construction phase management services, and Phase 3 consisting of post construction phase services.

The construction management (CM) services required will include:

**TASK1-PRE-CONSTRUCTION SERVICES (COMPLETED)**

- Perform constructability / biddability review of the construction contract documents (construction plans, special provisions, bid proposal and relevant information) for the project and submit a constructability report on discrepancies, inconsistencies, omissions, ambiguities, proposed changes and recommendations.
- Prepare a detailed Critical Path Method (CPM) construction schedule including pre-construction and construction activities.
- Management of the construction contract bidding phase; and management of the pre-bid conference and bid opening procedures including review of bids, bid bonds, insurance certificates and related contractor bid proposal submittals; and assist the Authority in selecting a the recommended lowest qualified bidder.
- Process construction contract for execution by the contractor.
- Arrange for, coordinate and conduct a pre-construction conference, including preparation of meeting minutes.
- Complete review, comment and approval of the Construction Contractor's baseline schedule of work.
- Review and comment on the Transportation Authority's construction contract administration procedures and policies.

**TASK 2 - CONSTRUCTION PHASE SERVICES (ONGOING)**

- Perform all necessary construction administration functions as required by the Authority's Construction Contract Administration Procedures, Caltrans Standard Specifications, the project Special Provisions, and Caltrans Construction and Local Programs Manual including:
  - o Perform all required field inspection activities, monitor contractor's performance and enforce all requirements of applicable codes, specifications, and contract drawings.
  - o Provide inspectors for day-to-day on the job observation/inspection of work. The inspectors shall make reasonable efforts to guard against defects and deficiencies in the work of the Construction Contractor and to ensure that provisions of the contract documents are being met.
  - o Prepare daily inspection reports documenting observed construction activities.
  - o Hold weekly progress meetings, weekly or as deemed necessary, between contractors, the Authority, Caltrans oversight, U.S. Coast Guard, TIDA, the City and other interested parties. Prepare and distribute minutes of all meetings.
  - o Take photographs and videotape recordings of pre-construction field conditions,

- o during construction progress, and post construction conditions.
- o Prepare and recommend contractor progress payments including measurements of bid items. Negotiate differences over the amount with the contractor and process payments through the Authority Project Manager.
- o Monitor project budget, purchases and payment.
- o Prepare monthly progress reports documenting the progress of construction describing key issues cost status and schedule status.
- o Prepare quarterly project status newsletters and issue press releases for project milestones. Provide one groundbreaking ceremony and one ribbon cutting ceremony.
- Establish and process project control documents including:
  - o Daily inspection diaries
  - o Weekly progress reports
  - o Monthly construction payments
  - o Requests for Information (RFI)
  - o Material certifications
  - o Material Submittals
  - o Weekly Statement of Working Days
  - o Construction Change Orders
  - o State Compliance Monitoring Unit to review contractor certified payrolls
- Review of construction schedule updates:
  - o Review construction contractor's monthly updates incorporating actual progress, weather delays and change order impacts. Compare work progress with planned schedule and notify construction contractor of project slippage. Review Construction Contractor's plan to mitigate schedule delay. Analyze the schedule to determine the impact of weather and change orders.
- Evaluate, negotiate, recommend, and prepare change orders. Perform quantity and cost analysis as required for negotiation of change orders.
- Analyze additional compensation claims submitted by the Construction Contractor and prepare responses. Perform claims administration including coordinating and monitoring claims responses, logging claims and tracking claims status.
- Process all Construction Contractor submittals and monitor design consultant and Caltrans review activities.
- Review contractor's falsework and shoring submittals.
- Review, comment and facilitate responses to RFI's. Prepare responses to RFI on construction issues. Transmit design related RFI's to designer. Conduct meetings with Construction Contractor and other parties as necessary to discuss and resolve RFI's.
- Act as construction project coordinator and the point of contact for all communications and interaction with the Construction Contractor, Caltrans, US Coast Guard, TIDA, the City, US Navy, project designer and all affected parties.
- Schedule, manage and perform construction staking in accordance with the methods, procedures and requirements of Caltrans Surveys Manual and Caltrans Staking Information.
- Provide additional CM Services per Amendment No. 1: (ADDITIONAL SERVICES)

- Coordinate building permit and resolve design/City issues related to the relocation of Quarters 10 and Building 267 to Clipper Cove.
- Provide time lapse photography and web-based photography management system.
- Provide 3.5 months additional CM Services, mitigative efforts, and change orders associated with species protection/compliance with the Federal Migratory Bird Treaty Act. Mitigate project delays caused by nesting birds.
- Provide expedited submittal reviews required to mitigate project delays caused by nesting birds.
- Provide additional source inspection for Glass Fiber Reinforced Concrete Architectural Cladding
- Provide coordination, change order, source inspection necessitated by Caltrans – directed change from modular bridge expansion joints to specialized seismic bridge expansion joints.
- Provide additional utility coordination to identify existing utilities and to relocate these utilities. Provide detailed coordination with SFPUC Water and Power.
- Provide coordination and CM Services related to construction staging changes requested by United States Coast Guard and Caltrans.

### **TASK 3 - POST-CONSTRUCTION SERVICES**

- Perform Post Construction Phase activities including:
  - Prepare initial punch list and final punch list items.
  - Finalize all bid items, claims, and change orders. Provide contract change order documentation to project designer. Coordinate preparation of record drawings (as-built drawings) by project designer.
  - Provide final inspection services and project closeout activities, including preparation of a final construction project report per Federal and State requirements.
  - Turn all required construction documents over to Authority and Caltrans for archiving.