



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: January 26, 2010

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Preliminary Design Of The Cota Street Bridge Replacement Project

RECOMMENDATION: That Council:

- A. Accept Federal Highway Administration (FHWA) Highway Bridge Program (HBP) grant funding in the total amount of \$442,650;
- B. Authorize the increase of estimated revenues and expenditures by \$442,650 in the Fiscal Year 2010 Streets Capital Fund for design of the Cota Street Bridge Replacement Project (Project); and
- C. Authorize the Public Works Director to execute a professional services contract with Bengal Engineering (Bengal) in the amount of \$186,710 for preliminary design services for the Project, and authorize the General Services Manager to approve expenditures of up to \$18,671 for extra services of Bengal that may result from necessary changes in the scope of work.

DISCUSSION:

BACKGROUND

The Cota Street Bridge (Bridge) was constructed in 1926. This Bridge is an integral part of the Lower Mission Creek Flood Control Project (LMC Project). The LMC Project is a joint effort between the United States Army Corps of Engineers, Santa Barbara County Flood Control, and the City of Santa Barbara. The LMC Project is intended to reduce flooding on the lower portions of Mission Creek and spans approximately 1.3 miles of the Mission Creek channel, from Canon Perdido Street to Cabrillo Boulevard. This reach of Lower Mission Creek is subject to flooding that affects residents, businesses, and transportation facilities, resulting in significant damage to property and productivity. Currently, Mission Creek can handle only an 8-year storm event flow, and after the LMC Project improvements are completed, the capacity will be increased to contain a 20-year storm event flow (3,400 cubic feet per second). In addition to improving water conveyance, final channel improvements will enhance aquatic habitat, and restore some of the native plant and tree species.

PROJECT DESCRIPTION

The City has initiated this Project to replace this structurally deficient bridge over Lower Mission Creek. Design will include lengthening the Bridge to improve hydraulic conveyance underneath, retaining wall designs to accommodate the future LMC Project, bridge railing designs, sidewalk and street enhancements, utility realignments, and associated work. Through Caltrans, the City has applied for and been granted authorization to proceed with design of this Project. HBP funds will be used to reimburse the City for 88.53% of design, right-of-way, and construction costs. The City will be required to pay 11.47% of costs. Future phases of work, namely right of way and construction, are also eligible for funding at the same rates, pending authorization to proceed with those work phases.

DESIGN PHASE ENGINEERING SERVICES

Engineering firms were selected as part of a Request for Qualifications process that followed Caltrans' requirements. Firms were rated based upon their qualifications and technical proposals. A short list of firms was developed and interviews were conducted with the top candidates. Based upon the proposals and interviews, the most qualified engineering firm was asked to provide a cost proposal to perform the work. Negotiations with Bengal produced a fair and reasonable price in the amount of \$186,710 for preliminary design services, \$18,671 for extra services for a total preliminary design contract amount of \$205,381.

PUBLIC OUTREACH

The LMC Project has undergone extensive public review, as memorialized in the Army Corps of Engineers Environmental Impact/Environmental Impact Statement (EIR/EIS). Bengal was directed to use the EIR/EIS as a basis for their designs. In addition, there are elements of public outreach considered Bengal's scope of services. This Project will also be reviewed by the Architectural Board of Review (ABR). Additional public information is available on the Public Works Department's Engineering Division webpage, under "Lower Mission Creek Bridge Projects".

FUNDING

The following summarizes estimated total Project costs, with the City share being 11.47%:

ESTIMATED TOTAL PROJECT COST

COTA STREET BRIDGE REPLACEMENT			
Task	Total Cost	Federal Share	City Share
Preliminary Engineering Design (By Contract)	\$205,381	\$181,824	\$23,557
Other Preliminary Design Costs (By Contract and City Staff)	\$100,000	\$88,530	\$11,470
<i>Subtotal Preliminary Design</i>	\$305,381	\$270,354	\$35,027
Estimated Final Design Costs (By Contract and City Staff)	\$270,000	\$239,031	\$30,969
Estimated Right of Way Costs (By Contract and City Staff)	\$1,000,000	\$885,300	\$114,700
Estimated Construction Costs (By Contract and City Staff)	\$2,860,000	\$2,531,958	\$328,042
<i>Subtotal Future Phases</i>	\$4,130,000	\$3,656,289	\$473,711
TOTAL PROJECT COST	\$4,435,381	\$3,926,643	\$508,738

On behalf of the FHWA, Caltrans has given the City approval to proceed with reimbursable work on the design phase. The net cost to the City for preliminary design is anticipated to be \$35,027. Appropriation of the HBP grant combined with existing City Streets Funds are designed to cover the cost for this preliminary design as well as a portion of final design costs.

The estimated funds for the City's matching share of final design, right of way, and construction are intended to be programmed in Fiscal Years 2011, 2012, and 2013, pending final proposed budget and approval by Council.

Project costs will be reevaluated after the preliminary design is completed. At that time, staff will request an adjustment to approved amounts through FWHA/Caltrans in order to complete the design. After approval of adjusted amounts, staff will request Council's authorization to proceed with final design and construction.

PREPARED BY: John Ewasiuk, Principal Civil Engineer/JC/sk

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office