



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: September 23, 2014

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contracts For Construction Management Support Services Of The Mason Street Bridge Replacement Project

RECOMMENDATION: That Council:

- A. Authorize the Public Works Director to execute a City Professional Services contract with Filippin Engineering in the amount of \$1,215,003 for construction management services for the Mason Street Bridge Replacement Project, and authorize the Public Works Director to approve expenditures of up to \$60,750 for extra services that may result from necessary changes in the scope of work;
- B. Authorize the Public Works Director to execute a City Professional Services contract with Bengal Engineering, Inc., in the amount of \$138,760 for engineering (design) support services for the Mason Street Bridge Replacement Project, and authorize the Public Works Director to approve expenditures of up to \$6,938 for extra services that may result from necessary changes in the scope of work;
- C. Authorize the Public Works Director to execute a City Professional Services contract with Rincon Consultants, Inc., in the amount of \$164,725 for environmental coordination and biological monitor services for the Mason Street Bridge Replacement Project, and authorize the Public Works Director to approve expenditures of up to \$8,236 for extra services that may result from necessary changes in the scope of work;
- D. Increase appropriations and estimated revenues related to the Federal Highway Administration Grant by \$383,365 in the Fiscal Year 2015 Streets Capital Fund for the Mason Street Bridge Replacement Project; and
- E. Authorize an increase in appropriations and estimated revenue of \$298,622 in the Streets Capital Fund from revenues anticipated through the future sale of surplus properties acquired for current bridge replacement projects to cover the City's share of the cost of construction.

EXECUTIVE SUMMARY:

The Mason Street Bridge Replacement Project (Project) will remove a structurally deficient bridge over Mission Creek and replace it with a new bridge that meets the current State of California Department of Transportation (Caltrans) standards. As part of the overall Lower Mission Creek Flood Control Project (LMCFC Project) to reduce neighborhood flooding, the Project will construct the LMCFC Project Reach 1A Phase 2 Project (Phase 2 Project) that is located immediately adjacent to and downstream of the Mason Street Bridge.

In accordance with the cost-sharing agreement between the City and the Santa Barbara County Flood Control and Water Conservation District (County) (approved by Council on January 4, 2014, and the Santa Barbara County Board of Supervisors on September 9, 2014), construction contract costs from the LMCFC Project Reach 1A Phase 2 Project will be fully reimbursed by the County.

Staff solicited proposals for professional construction management support services during the design phase of the Project. The Project will have multiple, concurrent tasks that need to be planned and coordinated. Services will include resident engineering/inspecting; labor compliance monitoring; materials testing; engineering (design) support; environmental permit compliance monitoring; biological monitoring; assisting staff with final reporting to Caltrans and environmental regulatory permit agencies; and preparing record drawings. In addition, services will include coordinating with adjacent development projects such as the Entrada de Santa Barbara Project, the Children's Museum Project, and the City's Cabrillo Boulevard Bridge Replacement Project.

DISCUSSION:

BACKGROUND

The Project is a part of the overall LMCFC Project since it includes the creek channel. The LMCFC Project was initiated in the 1960s as a long-term, joint effort project between the United States Army Corps of Engineers, the County of Santa Barbara, and the City. It addresses the last 1.3 miles of the lower Mission Creek from just downstream of Canon Perdido Street to the Cabrillo Boulevard Bridge, just before the creek enters the Pacific Ocean.

The Project received construction bids on August 18, 2014. A total of three bids were received. The low bid of \$6,658,081 was submitted by Lash Construction. On September 9, 2014, Council awarded the construction contract for this Project and the Phase 2 Project to Lash Construction, and authorized the Public Works Director to execute a contract and approve expenditures of up to \$622,628 to cover any cost increases that may result from contract change orders for extra work and differences between estimated bid quantities and actual quantities measured for payment.

PROJECT DESCRIPTION

The Project is located at the Mason Street Bridge between Chapala Street and State Street. The Project consists of removing and replacing a concrete bridge and roadway approaches; removing building facilities, including abating hazardous building materials; relocating domestic water and sanitary sewer facilities; constructing concrete secant pile channel walls; realigning a roadway; planting landscape materials; and installing storm drainage facilities, street lights, and irrigation systems. The proposed bridge consists of a precast/pre-stress concrete deck and cast-in-place concrete abutment walls that incorporate concrete secant pile deep foundations. The concrete secant pile deep foundation was selected as the preferred pile construction method because it is a drilled pile method that greatly minimizes the impacts associated with the conventional pile driving method. This method received special approval from Caltrans and is a milestone for City projects because it is an innovative method that meets or exceeds structural requirements while minimizing environmental impacts.

The Phase 2 Project is located immediately adjacent to and downstream of the Mason Street Bridge. It consists of removing and replacing channel walls. The proposed channel walls also consist of concrete secant piles.

CONSTRUCTION MANAGEMENT SUPPORT SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with Filippin Engineering in the amount of \$1,215,003 for construction management services and \$60,750 for potential extra services, for a total amount of \$1,275,753. Staff requested proposals from consulting construction management firms and received proposals from five firms. Staff evaluated the proposals and concluded that Filippin Engineering is the best qualified firm. Staff also negotiated the fee with Filippin Engineering and concluded that the fee is fair compensation for the services.

Staff also recommends that Council authorize the Public Works Director to execute a contract with Bengal Engineering, Inc. (Bengal) in the amount of \$138,760 for engineering (design) support services and \$6,938 for potential extra services, for a total amount of \$145,698. Bengal was the designer and is experienced in this type of work. Staff reviewed Bengal's proposal and concluded that it is fair and reasonable and provides the best value and continuity of services without delay.

Finally, staff recommends that Council authorize the Public Works Director to execute a contract with Rincon Consultants, Inc. (Rincon), in the amount of \$164,725 for environmental coordination and biological monitor services, and \$8,236 for potential extra services, for a total amount of \$172,961. Staff requested proposals from consulting environmental firms and received proposals from three firms. Staff evaluated the proposals and concluded that Rincon is the best qualified firm. Staff negotiated the fee with Rincon and concluded that the fee is fair compensation for the services.

COMMUNITY OUTREACH

The Project is one of several other projects that will be starting construction this fall in the lower State Street area. These other projects include adjacent development projects such as the Entrada de Santa Barbara Project, the Children's Museum Project, and the Cabrillo Boulevard Bridge Replacement Project. Another future development project, the 101 State Street Project, is tentatively scheduled for construction in summer 2015. Staff is currently coordinating all these projects. Traffic control and haul routes are planned to minimize public inconvenience.

Approximately two months ago, written notices with fact sheets were mailed to adjacent properties within 500 feet of the Project site. The fact sheets contained information about the Project's benefit, location, construction schedule, a traffic control map that shows temporary road closures and detours, staff's contact information, and the City website information for construction status updates.

Staff will also be mailing written notices at a minimum of two weeks in advance of the start of construction activity. The written notices will provide detailed information of construction hours and staff's contact information. Once the construction contractor is issued the notice to proceed, the construction contractor will deliver another written notice 72 hours in advance of any construction activity to the adjacent properties within 500 feet of the Project site.

FUNDING

The City will receive both construction and construction management funding authorizations in the total amount of \$7,483,365 from the Federal Highway Administration Highway Bridge Program (HBP), for construction and construction management costs that are eligible for federal reimbursement. The current federal share for the construction contract is \$6,098,913 and the federal share for construction management is \$1,384,453. While the bridge is considered 100 percent funded, there are construction management costs for the total project that are not eligible for Federal reimbursement. The City will be paying for some City staff time, the County's construction management costs, and any construction management extra services in the amount of \$318,621 or about 18% of the total construction management budget. Staff received written assurance from Caltrans that HBP funding is available and that the funding authorization will be amended after award of the professional services agreements.

The Phase 2 Project construction cost is funded by Santa Barbara County Flood Control Benefit Assessment Fees. The division of costs between the City and County is covered by a cost-sharing agreement that was approved by Council on January 4, 2014, and by the Santa Barbara County Board of Supervisors on September 9, 2014.

To cover the City's share of the cost of construction, staff recommends an increase in appropriations of \$298,622 in the Streets Capital Fund from revenues anticipated

through the future sale of surplus properties that were acquired for current bridge replacement projects. The surplus properties are 20 West Mason Street, 221 West Cota Street, 230 West Cota Street, and 536 Bath Street. Sales are estimated to result in approximately \$3.5 million in revenues in approximately two years. Between the \$2,125,000 of the anticipated surplus property revenue reserved for the Cabrillo Boulevard Bridge Replacement Project and the anticipated need of \$318,621 for this project there is a balance of \$1,056,379 for future projects. The difference between the City's total share of \$318,621 and the recommended \$298,622 appropriation amount is a result of previously budgeted funds for the construction phase.

The following summarizes the expenditures recommended in this report:

CONSTRUCTION MANAGEMENT CONTRACT FUNDING SUMMARY

Vendor	Basic Contract	Change Funds	Total
Filippin Engineering	\$1,215,003	\$60,750	\$1,275,753
Bengal Engineering	\$138,760	\$6,938	\$145,698
Rincon Consultants	\$164,725	\$8,236	\$172,961
TOTAL RECOMMENDED AUTHORIZATION			\$1,594,412

The following summarizes all estimated total Project costs:

ESTIMATED TOTAL PROJECT COST

**Cents have been rounded to the nearest dollar in this table.*

Project Cost	Federal Share	City Share	County Share	Total
Design Cost (Contract)	\$803,159	\$104,058		\$907,217
Right of Way Cost (Contract)	\$74,891			\$74,891
Right of Way Acquisition and Relocation Costs	\$4,695,293			\$4,695,293
Other Preconstruction Cost- Sycamore Tree Propagation (Contract)	\$4,591	\$595		\$5,186
Project Management Cost (City Staff)	\$367,043	\$98,304		\$465,347
Subtotal	\$5,944,977	\$202,957		\$6,147,934
Construction Contract	\$5,544,466		\$1,113,615	\$6,658,081
Construction Contract Change Order Allowance	\$554,447		\$68,181	\$622,628
Subtotal	\$6,098,913		\$1,181,796	\$7,280,709

Construction Management/Inspection/Material Testing (Contract)	\$1,057,053	\$218,700		\$1,275,753
Engineering Support Services Cost (Contract)	\$138,760	\$6,938		\$145,698
Environmental Coordination/Biological Monitoring (Contract)	124,806	\$48,155		\$172,961
Construction Management (City Staff)	\$63,834	\$44,828		\$108,662
Subtotal	\$1,384,453	\$318,622		\$1,703,075
TOTAL PROJECT COST	\$13,428,343	\$521,579	\$1,181,796	\$15,131,718

SUSTAINABILITY IMPACT:

The Project's environmental process has led to many special conditions to protect the environment during construction and provide for sustainability in the future. Native plants will be used, and major species to the riparian community will be restored along the Project Reach. Aquatic habitat will also be enhanced with the improvement of the streambed characteristics. The bridge will be widened from the current 32 feet to just over 49 feet, and will provide a bike lane and sidewalks at least 6 feet wide. The bridge widening will improve safety and accessibility for pedestrians and will, therefore; contribute to the City's sustainability goals by encouraging more people to walk, reduce energy consumption and air pollution.

PREPARED BY: Linda Sumansky, Principal Civil Engineer/JI/mj

SUBMITTED BY: Rebecca J. Bjork, Public Works Director

APPROVED BY: City Administrator's Office