



# CITY OF SANTA BARBARA

## COUNCIL AGENDA REPORT

**AGENDA DATE:** February 3, 2015

**TO:** Mayor and Councilmembers

**FROM:** Engineering Division, Public Works Department

**SUBJECT:** Contract For Construction Of The Cota Street Bridge Replacement Project

**RECOMMENDATION:** That Council:

- A. Award a contract with Granite Construction Company in their low bid amount of \$4,956,146 for construction of the Cota Street Bridge Replacement Project, Bid No. 3589, and authorize the Public Works Director to execute the contract and approve expenditures up to \$495,615 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;
- B. Authorize the Public Works Director to execute a City Professional Services contract with Filippin Engineering in the amount of \$620,070 for construction management services for the Cota Street Bridge Replacement Project, and authorize the Public Works Director to approve expenditures of up to \$62,007 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 Bengal Engineering, Inc., in the amount of \$86,313 for engineering design support services for the Cota Street Bridge Replacement Project, and authorize the Public Works Director to approve expenditures of up to \$8,631 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 \$5,489,520 in the Fiscal Year 2015 Streets Capital Fund for the Cota Street Bridge Replacement Project;
- E. Authorize an increase in appropriations and estimated revenues of \$758,617 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;
- F. Authorize the Public Works Director to execute a Protect in Place and Release of Liability Agreement with Verizon California; and

- G. Increase appropriations and estimated revenues by \$247,500 in the Fiscal Year 2015 Streets Capital Fund, representing Verizon California's share of the construction contract for the Cota Street Bridge Replacement Project pursuant to the Protect in Place and Release of Liability Agreement.

### **EXECUTIVE SUMMARY:**

The Cota Street Bridge Replacement Project (Project) will remove a structurally deficient bridge 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), the Project will widen Mission Creek in the area around Cota Street Bridge to reduce neighborhood flooding. Staff solicited bids for the construction of the Project.

Staff also solicited proposals for professional construction management support services during the construction phase of the Project. Services will include assistant resident engineering/inspecting, labor compliance monitoring, materials testing, environmental permit compliance monitoring, biological monitoring, assisting staff with final reporting to Caltrans and environmental regulatory permit agencies, and preparing record drawings.

### **DISCUSSION:**

#### **BACKGROUND**

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

#### **PROJECT DESCRIPTION**

The Project is located at Cota Street Bridge, between Bath Street and De La Vina Street. The Project consists of removing and replacing concrete bridge and roadway approaches, relocating domestic water, constructing concrete channel walls, planting landscape materials, and installing storm drainage facilities, street lights, and irrigation systems. The proposed bridge consists of precast/pre-stressed concrete girders, with a cast-in-place deck and cast-in-place concrete abutment walls that incorporate driven steel piles.

## CONTRACT BIDS

Two bids were received for the subject work as follows:

	<b>BIDDER</b>	<b>BID AMOUNT</b>
1.	Granite Construction Company Santa Barbara, CA	\$4,956,146
2.	Specialty Construction, Inc. San Luis Obispo, CA	\$5,213,693

The bid of \$4,956,146, submitted by Granite Construction Company, is an acceptable bid that is responsive to and meets the requirements of the bid specifications. The change order funding recommendation of \$495,615, or 10 percent, is typical for this type of work and size of project.

The bid included a line item for protecting Verizon California's (Verizon) utilities in place. The City and Verizon have negotiated a Protect in Place and Release of Liability Agreement (Agreement). The Agreement states that Verizon will take all necessary and reasonable steps to protect its underground utilities during the Project and will be solely responsible for such costs. The bid amount for that line item was \$225,000, and an additional \$22,500 has been included for change orders. Per the Agreement, upon completion of the Project, the City will invoice Verizon for the final utility protection costs, including any associated change orders. Verizon will reimburse the City for these costs.

## CONSTRUCTION MANAGEMENT SUPPORT SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with Filippin Engineering in the amount of \$620,070 for construction management services, and \$62,007 for potential extra services, for a total amount of \$682,077. Staff requested proposals from consulting construction management firms and received proposals from three firms. Staff evaluated the proposals and concluded that Filippin Engineering is the best qualified firm. Staff negotiated the fee with Filippin Engineering and concluded that the fee is fair compensation for the services. This proposal includes environmental coordination, biological monitor services, and materials testing.

Staff also recommends that Council authorize the Public Works Director to execute a contract with Bengal Engineering, Inc., in the amount of \$86,313 for engineering (design) support services, and \$8,631 for potential extra services, for a total amount of \$94,944. Bengal Engineering, Inc., was the designer and is experienced in this type of work. Staff reviewed and concluded that Bengal Engineering, Inc.'s proposal is fair and reasonable and would provide the best value and continuity of services without delay.

**COMMUNITY OUTREACH**

One month in advance of starting construction, written notices with fact sheets will be mailed to adjacent properties within 500 feet of the Project site. The fact sheets will contain information about the Project's benefit, location, construction schedule, traffic control showing temporary road closures and detours, staff's contact information, and the City website information for construction status updates.

Once the construction contractor is issued the Notice to Proceed, the construction contractor will deliver another written notice that is 72 hours in advance of any construction activity, to the adjacent properties within 500 feet from the Project site.

**FUNDING**

The Project's construction cost is federally funded by the Federal Highway Administration (FHWA) Highway Bridge Program (HBP). The following table summarizes the construction contract funding recommended in this report:

To cover the City's share of the cost of construction, staff recommends an increase in appropriations of \$758,617 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.

**CONSTRUCTION CONTRACT FUNDING SUMMARY**

	<b>Basic Contract</b>	<b>Change Funds</b>	<b>Total</b>
Granite Construction Company	\$4,956,146	\$495,615	\$5,451,761
Filippin Engineering	\$620,070	\$62,007	\$682,077
Bengal Engineering, Inc.	\$86,313	\$8,631	\$94,944
<b>TOTAL RECOMMENDED AUTHORIZATION</b>			<b>\$6,228,782</b>

The following table summarizes the total Project cost of design, right of way acquisition, pre-construction activities, City staff's project management, and construction:

**ESTIMATED TOTAL PROJECT COST**

*(rounded to the nearest dollar)*

<b>Task</b>	<b>City Share</b>	<b>Federal Share</b>	<b>Total Cost</b>
Design (Contract)	\$105,629	\$815,286	\$920,915
Environmental Review & Permits (by Contract)	10,276	79,310	89,586
Survey (City Staff)	4,182	16,727	20,909
Project Management (City Staff)	50,000	200,000	250,000
<b><i>Subtotal Design</i></b>	<b>\$170,087</b>	<b>\$1,111,323</b>	<b>\$1,281,410</b>
Right of Way Cost (Contract)	\$6,686	\$51,609	\$58,295
Right of Way Acquisition and Relocation Costs	\$222,109	\$1,714,325	\$1,936,434
Property Management and City Staff	\$25,651	\$110,829	\$100,000
<b><i>Subtotal Right of Way</i></b>	<b>\$254,446</b>	<b>\$1,876,763</b>	<b>\$2,131,209</b>
Construction Contract (Base Bid Plus Alternate Bid)	767,663*	4,188,483	4,956,146
Construction Change Order Allowance	76,767**	418,848	495,615
<b><i>Subtotal Construction Contract</i></b>	<b>\$844,430</b>	<b>\$4,607,331</b>	<b>\$5,451,761</b>
Construction Management Support, Inspection, Material Testing Costs, and Environmental (Contract)	\$105,648	\$576,429	\$682,077
Design Support Services (Contract)	\$14,706	\$80,238	\$94,944
Construction Management Cost (City Staff)	\$41,333	\$225,522	\$268,855
<b><i>Subtotal Construction Management</i></b>	<b>\$161,687</b>	<b>\$882,189</b>	<b>\$1,043,876</b>
<b>TOTAL PROJECT COST</b>	<b>\$1,430,650</b>	<b>\$8,477,606</b>	<b>\$9,908,256</b>

\*Includes \$225,000 to be reimbursed by Verizon through Protect in Place and Release of Liability Agreement

\*\*Includes \$22,500 to be reimbursed by Verizon through Protect in Place and Release of Liability Agreement

Staff is recommending a total \$6,495,637 in appropriations and estimated revenues to cover the total construction costs of \$5,451,761 and construction management costs of \$1,043,876. With the recommended appropriations, there will be sufficient funds in the Streets Capital and Streets Grant Funds to cover these costs for the Cota Street Bridge construction. All other costs shown above have already been incurred and funded.

**SUSTAINABILITY IMPACT:**

The Project has received all necessary environmental regulatory permits or approvals for construction. The Project includes a landscaped creek slope along the upstream east creek bank that is immediately adjacent to the Cota Street Bridge. In addition, the Project includes a ramp for the County Flood Control access.

**PREPARED BY:** Brian D'Amour, Principal Civil Engineer/TG/mj

**SUBMITTED BY:** Rebecca J. Bjork, Public Works Director

**APPROVED BY:** City Administrator's Office