



# CITY OF SANTA BARBARA

## COUNCIL AGENDA REPORT

**AGENDA DATE:** May 14, 2013

**TO:** Mayor and Councilmembers

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

**SUBJECT:** Contract For Construction For The Chapala Street Bridge Replacement Project

**RECOMMENDATION:** That Council:

- A. Award a contract with Granite Construction Company in their low bid amount of \$1,411,510 for construction of the Chapala Street Bridge Replacement Project, Bid No. 3590;
- B. Authorize the Public Works Director to execute the contract in the amount of \$1,411,510 with Granite Construction Company and approve expenditures up to \$141,151 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;
- C. Authorize the Public Works Director to execute a contract with MNS Engineers, Incorporated, in the amount of \$478,596 for construction management services, and approve expenditures of up to \$16,404 for extra services of MNS Engineers that may result from necessary changes in the scope of work;
- D. Authorize the Public Works Director to execute a contract with Drake Haglan and Associates in the amount of \$45,080 for design support services during construction;
- E. Accept Federal Highway Administration Grant funding in the total amount of \$2,188,562 to cover the cost of construction;
- F. Increase appropriations and estimated revenues by \$2,188,562 in the Fiscal Year 2013 Streets Capital Fund for the Chapala Street Bridge Replacement Project funded by the Federal Highway Administration Grant;
- G. Authorize an appropriation of \$74,537 from available Streets Fund reserves to cover final City costs for the design and right of way phases as well as to cover the cost of work not eligible for reimbursement during the construction phase of this Project; and
- H. Increase appropriations and estimated revenues by \$2,000 in the Fiscal Year 2013 Streets Capital Fund for the Chapala Street Bridge Replacement Project from revenues from granting Crown Castle a utility easement.

## **EXECUTIVE SUMMARY:**

Six bids were received for the Chapala Street Bridge Replacement Project (Project), with the lowest bidder being Granite Construction Company (Granite). To complete the construction phase of the Project, staff recommends that Council authorize the Public Works Director to accept the low bid and enter into a contract with Granite. Staff also recommends that Council authorize the Public Works Director to enter into contracts with MNS Engineers (MNS) and Drake Haglan and Associates (Drake Haglan) for professional services during construction.

## **DISCUSSION:**

### **PROJECT DESCRIPTION**

The work consists of demolishing the existing 4,655-square foot bridge deck and replacing it with a 2,740 square-foot bridge deck. The south side of the new bridge deck will be supported on piles and a foundation behind the existing sandstone abutment. The north side of the new bridge will be supported by a new abutment that will be located in the same location as the existing sandstone wall. In consensus with Creeks and Transportation staff recommendations, and as approved by the Planning Commission, the new bridge will be reduced in width and still be able to provide one vehicular lane in each direction and a five-foot sidewalk on each side. The Project also includes native landscaping and new street lighting.

The northerly bridge abutment will be immediately adjacent to the proposed Lower Mission Creek Flood Control Project bypass box culvert. The box culvert will be constructed by the Santa Barbara County Flood Control District in 2014.

### **SCHEDULE AND TEMPORARY TRAFFIC CONTROL**

The local utility companies will be performing utility relocations during May 2013, in preparation for the replacement of the bridge.

Construction is scheduled to begin in June 2013, and will be completed by winter 2014. Since the bridge runs across the full width of Chapala Street and Yanonali Street, construction work will require that the intersection be closed to thru-traffic for approximately seven months. Detours for pedestrians, bicycles, and vehicles will be in place.

## CONTRACT BIDS

A total of six bids were received for the subject work, ranging as follows:

	<b>BIDDER</b>	<b>BID AMOUNT</b>
1.	Granite Construction Company Santa Barbara	\$1,411,510.00
2.	Brough Construction, Incorporated Arroyo Grande	\$1,559,635.50*
3.	C.A. Rasmussen, Incorporated Valencia	\$1,583,723.50
4.	Whitaker Construction Group, Incorporated Paso Robles	\$1,665,392.55
5.	Lash Construction, Incorporated Santa Barbara	\$1,695,801.00
6.	Specialty Construction, Incorporated San Luis Obispo	\$2,194,060.00

\*corrected bid total

The low bid of \$1,411,510, submitted by Granite, is an acceptable bid that is responsive to and meets the requirements of the bid specifications.

The change order funding recommendation of \$141,151, or 10 percent, is typical for this type of work and size of project.

## CONSTRUCTION PHASE CONTRACT SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with MNS in the amount of \$478,596 for construction management services, and approve expenditures of up to \$16,404 for extra services of MNS Engineers that may result from necessary changes in the scope of work. MNS was selected by a Request for Proposals process in which they were ranked the highest, based on their qualifications and experience on similar projects.

Staff recommends that Council authorize the Public Works Director to execute a contract with Drake Haglan in the amount of \$45,080 for design support services during

construction. Drake Haglan was the design engineer, and their services will need to be retained during the construction phase.

#### COMMUNITY OUTREACH

Staff is currently working on a community outreach strategy with Ayars & Associates for the construction phase of the project. Anticipated outreach methods include a preconstruction mailing, project fact sheet, preconstruction community meeting, road signs, project website, hotline, and a ribbon cutting ceremony for the completed bridge.

#### FUNDING

Federal Highway Administration (FHWA) grant funds have been authorized to pay for 100 percent of eligible project construction costs, with the City contributing ineligible costs (e.g. utility undergrounding). The FHWA grant is administered through Caltrans.

The construction phase of this project totals \$2,215,099. The FHWA grant will cover eligible costs of \$2,188,562, with the balance of \$26,537 payable by the City for ineligible costs. There is an additional \$50,000 required to cover final City costs not covered by the grant during the design and right of way phases for a total City funding need of \$76,537.

To satisfy the City funding need, staff recommends appropriations of \$74,537 from Streets Fund Measure A reserves and \$2,000 from revenues from an easement to be granted to Crown Castle across the Depot Triangle.

The following summarizes the expenditures recommended in this report:

#### **CONSTRUCTION CONTRACT FUNDING SUMMARY**

	<b>Basic Contract</b>	<b>Change Funds</b>	<b>Total</b>
Granite	\$1,411,510	\$141,151	\$1,552,661
MNS	\$478,596	\$16,404	\$495,000
Drake Haglan	\$45,080	\$0	\$45,080
<b>TOTAL RECOMMENDED AUTHORIZATION</b>			<b>\$2,092,741</b>

The following summarizes all Project design costs, construction contract funding, and other Project costs:

**ESTIMATED TOTAL PROJECT COST**

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

	FHWA Share	City Share	Total Cost
Design (by Contract)	\$513,087	\$66,476	\$579,563
Other Design Costs (by Contract)	\$90,510	\$11,726	\$102,236
City Staff Costs	\$237,438	\$123,950*	\$361,388
Temporary and Permanent Construction Easements	\$7,675	\$0	\$7,675
Permits	\$0	\$7,934	\$7,934
Special Supplies and Expenses	\$0	\$441	\$441
<b><i>Design Subtotal</i></b>	<b>\$848,710</b>	<b>\$210,527</b>	<b>\$1,059,237</b>
Construction Contract	\$1,411,510	\$0	\$1,411,510
Construction Change Order Allowance	\$141,151	\$0	\$141,151
Construction Management/Inspection (by Contract)	\$495,000	\$0	\$495,000
Design Support	\$45,080	\$0	\$45,080
<b><i>Construction Contracts</i></b>	<b>\$2,092,741</b>	<b>\$0</b>	<b>\$2,092,741</b>
Pre-Construction Services (construction management and community outreach by separate contracts)	\$49,885	\$0	\$49,885
Project Management (by City Staff)	\$45,936	\$11,484	\$57,420
Utility Underground Conduit Installation through Depot Triangle Property (by Purchase Order)	\$0	\$10,053	\$10,053
Miscellaneous Expenses	\$0	\$5,000	\$5,000
<b><i>Miscellaneous Construction</i></b>	<b>\$95,821</b>	<b>\$26,537</b>	<b>\$122,358</b>
<b><i>Construction Subtotal</i></b>	<b>\$2,188,562</b>	<b>\$26,537</b>	<b>\$2,215,099</b>
<b>TOTAL PROJECT COST</b>	<b>\$3,037,272</b>	<b>\$237,064</b>	<b>\$3,274,336</b>

\* Includes \$50,000 in additional City funding need for a total of \$76,537 including construction.

**SUSTAINABILITY IMPACT:**

The Project was designed to replace the Chapala Street Bridge to provide for all forms of transportation while protecting the historical sandstone channel walls and improving visibility of Mission Creek. The Project also includes the use of native plants that require less water, and street lights that are energy efficient. The concrete, asphalt, and steel that is removed during demolition, will be recycled.

**PREPARED BY:** Linda Sumansky, Principal Engineer/AH/mj  
**SUBMITTED BY:** Christine F. Andersen, Public Works Director  
**APPROVED BY:** City Administrator's Office