



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: March 5, 2013

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department
Creeks Division, Parks and Recreation Department

SUBJECT: Contract For Construction For The Mission Creek Fish Passage Phase 2 (Final Phase) Project

RECOMMENDATION: That Council:

- A. Accept \$775,000 in grant funds from the California Wildlife Conservation Board for the construction of the Mission Creek Fish Passage Phase 2 Project;
- B. Accept \$300,000 in grant funds from the State Coastal Conservancy for the construction of the Mission Creek Fish Passage Phase 2 Project;
- C. Accept \$75,000 in grant funds from the Parks and Recreation Community Foundation (from the Santa Barbara Foundation) for construction of the Mission Creek Fish Passage Phase 2 Project;
- D. Increase appropriations and estimated revenue in the Creeks Capital Fund by \$1,150,000 for the Mission Creek Fish Passage Phase 2 Project;
- E. Transfer \$78,859 from the Creeks Fund's reserves to the Creeks Capital Fund and appropriate the funds to the Mission Creek Fish Passage Phase 2 Project;
- F. Note that the apparent low bid submitted by Shaw Contracting, Inc., in the amount of \$2,248,290 for the Mission Creek Fish Passage Phase 2 Project, Bid No. 3620, contained mathematical errors and they have formally withdrawn their bid;
- G. Award a contract with Schock Contracting Corporation in their low bid amount of \$2,824,000 for construction of the Mission Creek Fish Passage Phase 2 Project, Bid No.3620;
- H. Authorize the Public Works Director to execute the contract and approve expenditures up to \$282,400 to cover any construction cost increases that may result from contract change orders for extra work and differences between estimated bid quantities and actual quantities measured for payment;
- I. Authorize the Public Works Director to execute a contract with HDR Engineering, Inc., in the amount of \$59,750 for construction support services, and approve expenditures of up to \$5,975 for extra services of HDR Engineering, Inc., that may result from necessary changes in the scope of work; and
- J. Authorize the Public Works Director to execute a contract with BTC Labs – Vertical Five in the amount of \$44,834 for construction support services, and

approve expenditures of up to \$4,483 for extra services of BTC Labs – Vertical Five, that may result from necessary changes in the scope of work.

EXECUTIVE SUMMARY:

Impassable barriers in coastal creeks and rivers have had a major adverse impact on Southern California Steelhead Trout (Steelhead Trout) populations. The City has been at the forefront of restoring Steelhead Trout migration, utilizing the high quality spawning and rearing habitat within the stream channels in the mid and upper watershed of Mission Creek. In 2011, Council approved a project to modify the upstream channel of Mission Creek. That project was completed in July, 2012. This final phase, Phase 2, will complete channel modification in the downstream portion of Mission Creek and provide Steelhead Trout access to 3.9 miles of spawning habitat. Seven bids were received for the Mission Creek Fish Passage Phase 2 Project (Project). The apparent low bidder, Shaw Contracting, Inc., (Shaw) had errors on the bid sheet and has formally withdrawn its bid. Staff recommends that Council authorize the Public Works Director to accept the second low bid, and enter into a contract with Schock Contracting Corporation (Schock) for construction of the Project. Staff recommends that Council authorize the Public Works Director to enter into contracts with HDR Engineering, Inc., (HDR) for engineering services, and BTC Labs – Vertical Five (BTC) for materials testing during construction. Staff also recommends that Council accept grant funds for construction of the Project.

DISCUSSION:

PROJECT DESCRIPTION

Impassable barriers in coastal creeks and rivers have had a major adverse impact on Southern California Steelhead Trout (Steelhead Trout) populations. Removal of these migration barriers is a key action that is central to the recovery and survival of this federally endangered species.

Mission Creek provides the best opportunity for Steelhead Trout restoration in Santa Barbara. Mission Creek contains high quality spawning and rearing habitat within the stream channels in the mid and upper watershed. Currently, Rainbow Trout (freshwater version of Steelhead Trout) live in the upper stream channel. Historically, Mission Creek has supported a healthy Steelhead Trout population. Over the last ten years, there have been frequent sightings of Steelhead Trout attempting to migrate upstream without success, due to barriers within the stream channel.

Steelhead Trout migration in Mission Creek is severely limited by two concrete-lined flood control channels. The upstream channel is approximately 0.3 miles long, extending between Los Olivos and Pedregosa Streets, and the downstream channel is approximately 0.8 miles long, extending between Arrellaga and Canon Perdido Streets.

The upstream and downstream channels are separated by a 0.4 mile long natural section extending between Pedregosa and Arrellaga Streets.

The flood control channels were constructed in 1934 and 1961, respectively, by the California Department of Transportation (Caltrans) to improve flood control and to construct Highway 101. The channels prevent fish from migrating upstream because the flow rates and flow depths within the concrete channels are too fast and/or too shallow for fish to swim upstream and provide no resting areas for the fish.

Phase 1 of the Project included modifying the upstream channel in order to create suitable conditions for migration of Steelhead Trout. Phase 1 was completed in July 2012. Phase 2 of the Project will modify the downstream concrete flood control channel and is scheduled for construction during the summer of 2013. The Phase 2 construction will consist of establishing maintenance access, demolishing part of the lined flood channel, and constructing a concrete low-flow fish passage channel.

Completion of both Phase 1 and Phase 2 of the Project, coupled with the recent restoration and fish passage project at Tallant Road, will allow Steelhead Trout to access the 3.9 miles of spawning habitat that has been blocked for over fifty years.

CONTRACT BIDS

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

	BIDDER	BID AMOUNT
1.	Shaw Contracting, Inc. Carpinteria, CA	\$2,248,290 (withdrawn)
2.	Schock Contracting Corporation Santa Barbara, CA	\$2,824,000
3.	Lash Construction, Inc Santa Barbara, CA	\$2,855,575
4.	Specialty Construction San Luis Obispo, CA	\$2,939,967
5.	Whitaker Construction Group Paso Robles, CA	\$3,083,864
6.	Granite Construction Santa Barbara, CA	\$3,180,898*
7.	Brough Construction	\$3,379,938*

Arroyo Grande, CA

*Corrected bid total

The low bid of \$2,248,290, submitted by Shaw, contained mathematical errors. Shaw has formally withdrawn their bid.

The second lowest bid of \$2,824,000, submitted by Schock, is an acceptable bid that is responsive to, and meets the requirements of the bid specifications. Staff recommends that Council authorize the Public Works Director to execute a contract with Schock for construction of the Project.

The change order funding recommendation of \$282,400, 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 HDR in the amount of \$59,750 for design support during construction and with BTC in the amount of \$44,834 for materials testing support during construction. HDR was the design consultant for the Project, and both firms provided support for Phase I and are experienced in this type of work.

COMMUNITY OUTREACH

Public Works staff will coordinate with the contractor to perform the standard public notification for the Project. Creeks Division staff will also send out letters to the neighborhood surrounding the Project site prior to construction. The letters will provide information about the Project, including Project purpose, timing and other associated information.

BUDGET/FINANCIAL INFORMATION:

The Creeks Division received several grants for the Phase 2 construction. A grant from the California Department of Fish and Wildlife for \$1,735,000 was accepted and appropriated by Council on April 10, 2012. Three additional grants have been awarded to the City: one from the California Wildlife Conservation Board for \$775,000, a second from the State Coastal Conservancy for \$300,000 and a third from the PARC Foundation (from the Santa Barbara Foundation) for \$75,000. Should Council accept this grant funding for construction, the total grant funds available for Phase 2 project construction will be \$2,885,000. Currently, \$496,583 is available in the Creeks Division Capital Fund for construction of the Mission Creek Fish Passage Phase 2 Project. With the transfer of \$78,859 from the Creeks Operating Fund reserves, there will be sufficient funds in the Creeks Capital Fund to cover the cost of this Project.

CONSTRUCTION CONTRACT FUNDING SUMMARY

Funding Source	Funding Amounts
Department of Fish and Wildlife	\$1,735,000
Wildlife Conservation Board	\$775,000
State Coastal Conservancy	\$300,000
PARC Foundation (from the Santa Barbara Foundation)	\$75,000
Creeks Capital Funds (Mission Creek Fish Passage)	\$496,583
Creeks Reserve Fund	\$78,859
TOTAL RECOMMENDED AUTHORIZATION	\$3,460,442

ESTIMATED TOTAL PROJECT COST

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

Construction Contract	\$2,824,000
Construction Change Order Allowance	\$282,400
Construction Support/Inspection (by Contract)	\$65,725
Subtotal	\$3,172,125
Other Construction Costs (testing, etc.)	\$49,317
Construction Management/Inspection (by City Staff)	\$239,000
Subtotal	\$288,317
TOTAL PROJECT COST	\$3,460,442

SUSTAINABILITY IMPACT:

The purpose of the Project is to improve Steelhead Trout migration in Mission Creek during and shortly after rain events when adequate natural stream flows exist. These efforts will contribute to local, regional, and federal objectives of removing migration barriers for the federally endangered Steelhead Trout.

PREPARED BY: John Ewasiuk, Principal Civil Engineer/TG/mj
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SUBMITTED BY: Christine F. Andersen, Public Works Director
 Nancy L. Rapp, Parks and Recreation Director

APPROVED BY: City Administrator's Office