



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: July 24, 2012

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Construction For The Conejo Road Repairs And Sewer Improvements 2012 Project

RECOMMENDATION: That Council:

- A. Award a contract with John Madonna Construction Company, Inc., waiving minor irregularities, in their low bid amount of \$351,739 for construction of the Conejo Road Repairs and Sewer Improvements 2012 Project, Bid No. 3666;
- B. Authorize the Public Works Director to execute the contract and approve expenditures up to \$70,348 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 Penfield & Smith in the amount of \$50,450 for construction support services, including geotechnical observation/inspection services and materials testing, and approve expenditures of up to \$5,045 for extra services of Penfield & Smith that may result from necessary changes in the scope of work; and
- D. Authorize the Public Works Director to execute a contract with Cotton, Shires and Associates in the amount of \$19,500 for slope inclinometer and piezometer monitoring services, and approve expenditures of up to \$1,950 for extra services of Cotton, Shires and Associates that may result from necessary changes in the scope of work.

DISCUSSION:

BACKGROUND

On December 6, 2011, Council approved the contract with Cotton, Shires and Associates (CSA), geotechnical sub-consultants to Penfield & Smith (P&S), for the installation of slope inclinometers and piezometers at three locations within the Conejo slide area ("Slide Area"). The instruments are being used to gather detailed data about the slide mass characteristics, including the depth, rate, and direction of the movement. CSA has developed potential long-term repairs based on the results of the data gathered thus far. The long-term repairs proposed in concept by CSA would not

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provide a permanent solution to the earth movement and were determined by staff to be cost prohibitive to complete. This project will re-establish standard roadway slope and alignment within the right of way by altering the land surface within the area, but will not address long term deep slide movement.

On March 13, 2012, Council approved the contract with P&S to prepare final design plans for the repair of Conejo Road at the hairpin turn immediately adjacent to its intersection with Conejo Lane (a private road). Due to the ongoing earth movement in the area, the hairpin turn on Conejo Road exceeds a 16 percent slope, which limits accessibility by emergency vehicles. Furthermore, Conejo Road has moved outside of the City's right of way in this area as a result of the continual earth movement. The proposed project is necessary to correct excessive road slope and to restore the alignment of the road back within the City right of way.

Additionally, on April 10, 2012, Council approved and authorized the Public Works Director to execute an Easement Purchase Agreement with the property owners of 515 Conejo Road for the purchase of an eight-foot wide public utility easement on their property. The purpose of purchasing the easement was to direct sewage flow from approximately 35 homes away from the active landslide area. The proposed construction will effectuate the diversion of the sewer flow outside the landslide area. Alternatives are still being evaluated to manage the flow from the remaining five properties located in or adjacent to the Slide Area.

PROJECT DESCRIPTION

The road work consists of reconstructing a portion of Conejo Road damaged by earth movement and relocating it back within the City's right of way. The roadway will be re-graded by using geofoam, a lightweight foam fill, to raise the elevation of Conejo Road at the hairpin turn in order to achieve slopes to restore accessibility of emergency response vehicles. The use of geofoam was recommended by P&S's geotechnical sub-consultant, CSA, in order to minimize the weight of fill added to the existing slide mass. The work also includes drainage improvements to divert storm water away from the slide area. A portion of the work will take place on Conejo Lane, a private road, in order to construct a smooth roadway transition from the newly reconstructed Conejo Road. Staff has acquired the right of entry for the private roadway transition work.

The sewer work includes directionally drilling a new eight-inch sewer main within the new easement, extending from Conejo Road to Conejo Lane at 515 Conejo Road. Three new manholes will also be installed as part of this work. Additionally, since the road work will bury the existing sewer main underneath Conejo Road (at the hairpin turn), a new eight-inch sewer main will be placed at an appropriate depth along the inside shoulder of the road. By doing so, the sewer main will be located in a more accessible location for any future maintenance needs.

CONTRACT BIDS

A total of three bids were received for the road repairs and sewer work, ranging as follows:

	BIDDER	BID AMOUNT
1.	John Madonna Construction Co., Inc. San Luis Obispo	\$351,739*
2.	Shaw Contracting, Inc. Carpinteria	\$373,352
3.	Lash Construction, Inc. Santa Barbara	\$421,212

*corrected bid total

The low bid of \$351,739, submitted by John Madonna Construction Company, Inc. is an acceptable bid that is responsive to and meets the requirements of the bid specifications.

The change order funding recommendation of \$70,348, or 20 percent, is above the 10 percent change order typically recommended for this type of work due to the unpredictable nature of working within an active slide area.

CONSTRUCTION PHASE CONTRACT SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with P&S in the amount of \$50,450 for construction support services, including geotechnical observation/inspection services and materials testing to be performed by P&S's geotechnical sub-consultant, CSA, and approve expenditures of up to \$5,045 for extra services, for a total contract amount of \$55,495.

Staff recommends that Council authorize the Public Works Director to execute a contract with CSA in the amount of \$19,500 for additional monitoring of the three slope inclinometers and piezometers that were installed in the Conejo Slide area in December 2011, and approve expenditures of up to \$1,950 for extra services, for a total contract amount of \$21,450. The additional monitoring will provide more comprehensive data regarding the movement characteristics of the slide mass and will allow for monitoring of the slide movement before and after construction.

COMMUNITY OUTREACH

Over the past few months, staff has held several public meetings with the homeowners and residents in the Conejo Road area regarding the ongoing earth movement in the

area, and the upcoming repairs. On May 30, 2012, staff held a public meeting with residents in the area and provided an update on the scope of the upcoming construction project, along with the anticipated construction schedule and phasing. Staff plans to hold another public meeting with the Conejo Road area residents once the construction contract has been awarded and a more detailed construction schedule has been developed. The contractor will be responsible for providing a 72-hour notice door hanger to those properties directly affected by the construction.

FUNDING

This project is funded jointly by Streets and Wastewater Funds. There are sufficient appropriated funds in the Streets and Wastewater Funds to cover the cost of this project.

The following summarizes the expenditures recommended in this report:

CONSTRUCTION CONTRACT FUNDING SUMMARY

	Basic Contract	Change Funds	Total
Construction Contract	\$351,739	\$70,348	\$422,087
Consultant Contract (P&S)	\$50,450	\$5,045	\$55,495
Consultant Contract (CSA)	\$19,500	\$1,950	\$21,450
TOTAL RECOMMENDED AUTHORIZATION			\$499,032

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.*

Conceptual Design (P&S)	\$24,750
Installation of Inclinometers (CSA)	\$69,850
Final Design (P&S)	\$56,592
City Staff Costs	\$120,000
Subtotal	\$271,192
Construction Contract	\$351,739
Construction Change Order Allowance	\$70,348
Construction Management/Inspection/Materials Testing (P&S)	\$55,495
Additional Inclinometer Monitoring (CSA)	\$21,450
Subtotal	\$499,032
Construction Management/Inspection (by City Staff)	\$63,313
Subtotal	\$63,313
TOTAL PROJECT COST	\$833,537

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

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office