



Agenda Item No. _____

File Code No. 530.04

CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: March 13, 2012

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Final Design For Conejo Road Repairs

RECOMMENDATION:

That Council authorize the Public Works Director to execute a City Professional Services contract with Penfield & Smith in the amount of \$39,765 for final design services for short-term repair of Conejo Road, and authorize the Public Works Director to approve expenditures of up to \$3,977 for extra services of Penfield & Smith that may result from necessary changes in the scope of work.

DISCUSSION:

BACKGROUND

As a result of continued movement of Slide Mass C in the Conejo Slide Area, the City hired Penfield & Smith (P&S) in October 2011 to prepare conceptual designs for potential short-term and long-term roadway improvements at two locations within the Conejo Slide Area. P&S was selected for the conceptual design work as part of the Request for Proposal (RFP) process. Consultants were rated based upon their qualifications, technical proposals, and understanding of the project. P&S was retained for this work through the City's standard Professional Services Agreement.

One of the locations for which P&S prepared a conceptual design for a short-term repair is on Conejo Road, a public road, at the intersection of Conejo Lane, a private road, and the hairpin turn immediately adjacent to the intersection (see Attachment). Due to the continued earth movement in the area, the connection from Conejo Road to Conejo Lane now exceeds the maximum slope of 16%, set by the Fire Department for emergency vehicle access. Similarly, the hairpin turn on Conejo Road, adjacent to the intersection with Conejo Lane, also exceeds a 16% slope (currently 20% 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 excessive road slope and the location of the road require it to be reconstructed.

On December 6, 2011, Council approved the contract with Cotton, Shires and Associates (CSA), geotechnical sub-consultants to P&S, in the amount of \$69,850 for the installation of inclinometers at three locations within the slide area. The instruments are being used to gather detailed data about the slide mass' characteristics, including the depth, rate, and direction of movement. CSA continues to monitor the inclinometers, and over the next several months P&S and CSA will begin developing conceptual designs for potential long-term repairs, based upon the results of the data.

PROJECT DESCRIPTION

P&S has developed a conceptual design for a short-term repair on Conejo Road in order to realign this portion of the road back within the City's right of way and to restore road slopes acceptable to the Fire Department. The repair consists of re-grading the roadway by importing lightweight fill material to raise the elevation of Conejo Road at its intersection with Conejo Lane, and at the adjacent Conejo Road hairpin turn in order to achieve slopes to meet emergency vehicle response. The design will incorporate considerations for drainage in an effort to divert storm water away from the slide area. The construction contract cost is estimated to be \$325,000 plus 10% for the change order allowance, which is customary for this type of work.

The proposed Conejo Road work will include a transition on Conejo Lane. As the final design is developed, staff will work with the homeowners to obtain construction easements as required. Staff will also determine whether or not a cost-sharing agreement with the Conejo Lane homeowners is necessary for the portion of the repairs on private property.

Staff acknowledges that this is a short-term repair that will require continued maintenance due to the ongoing movement of Slide Mass C in the Conejo Slide Area; however, this repair is necessary in order to maintain emergency vehicle access to the area

DESIGN PHASE CONSULTANT ENGINEERING SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with P&S in the amount of \$39,765 for final design services. Because P&S has successfully completed the conceptual design process, staff recommends that P&S be retained to complete the final design for these repairs.

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 potential upcoming repairs. On December 14, 2011 staff met with the Conejo Lane homeowners to review P&S's conceptual design plans for repairing Conejo Road at the intersection of Conejo Lane and the adjacent hairpin turn. The homeowners on Conejo Lane are directly impacted by the earth movement in the area because Conejo

Lane is accessed solely via Conejo Road. Staff will continue to meet with the Conejo Lane homeowners and residents throughout the design process and will ensure that adequate noticing to all homeowners and residents in the greater Conejo Road area is completed prior to award of the construction contract.

FUNDING

The following summarizes all estimated total Project costs:

ESTIMATED TOTAL PROJECT COST

Conceptual Design (P&S)	\$24,750
Installation of Inclinometers (CSA)	\$69,850
Final Design (P&S)	\$43,742
Other Design Costs - City staff, Environmental (Assessments, etc.)	\$75,000
Subtotal	\$213,342
Estimated Construction Contract w/Change Order Allowance	\$325,000
Estimated Construction Management/Inspection (by Contract or City)	\$32,500
Estimated Other Construction Costs (testing, etc.)	\$20,000
Subtotal	\$377,500
TOTAL PROJECT COST	\$590,842

There are sufficient appropriated funds in the Streets Fund to cover these costs. The money needed for this work will result in a corresponding reduction in pavement maintenance funding for a future Pavement Maintenance construction contract .

ATTACHMENT: Project Location Map

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

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office

ATTACHMENT PROJECT LOCATION MAP

