



Agenda Item No. _____

File Code No. 530.04

CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: December 13, 2011

TO: Mayor and Councilmembers

FROM: Engineering Division, Public Works Department

SUBJECT: Contract For Design For Zone 5 Pavement Maintenance Project

RECOMMENDATION:

That Council authorize the Public Works Director to execute a City Professional Services contract with Flowers & Associates in the amount of \$80,479 for design services for the Zone 5 Pavement Maintenance Project, and authorize the Public Works Director to approve expenditures of up to \$8,048 for extra services of Flowers & Associates that may result from necessary changes in the scope of work.

DISCUSSION:

The Engineering Division hires design and construction consultant services for delivery of its annual Pavement Maintenance Project. In fall of 2009, staff obtained proposals from local engineering firms to provide three years of pavement maintenance design and contract administrative services. On November 10, 2009, Council approved staff's recommended approach for the services as proposed by Flowers & Associates.

BACKGROUND

The City of Santa Barbara has had an active pavement management system for almost 30 years. The network of roads is currently divided into six zones, with each zone scheduled for maintenance every six years. The proposed pavement maintenance work will generally take place in Zone 5, which includes the roads north of Alameda Padre Serra and the City roads near the Airport (see Attachment).

As part of the City's pavement management system, every two years, the City updates the Pavement Management System Report detailing the general condition of the roadway, recommended work program implementation, and budgetary requirements to maintain the road network in a good condition. Along with this reporting, the next two zones scheduled for maintenance are inspected to generate updated conditions and suggested work.

The 2010 Pavement Management System Report (Report) was completed in June, 2010. This report relayed information of a downward trend of the City roadway pavement condition. This downward trend can be correlated to an increase in deferred citywide pavement maintenance. Since 2002, the overall system Pavement Condition Index (PCI) rating, 0 to 100, has gone from a PCI of 75 in 2002 to a PCI of 68 in 2010. In the 2010 Report, the recommended funding level for each year was identified at \$4.7 million per year to maintain a PCI of 70. The average amount that the City has funded for pavement maintenance is approximately \$2.3 million per year. At current funding levels, the City-wide deferred maintenance is expected to increase from \$32 million in 2011 to \$48 million in 2015. As conditions of the road network decrease, costs substantially increase. The majority of funds that go towards pavement maintenance come from Measure A, Utility Users Tax, and grant funds.

PROJECT DESCRIPTION

The annual pavement work is typically broken into two contracts for public bidding. The first stage consists of localized spot repairs which predominately focus on restoration of localized pavement distress (potholes, large surface bumps/depressions, etc). In the second phase, the road is surface sealed with a wearing course (i.e., slurry seal, rejuvenating cape seal, etc.) to reduce wear on the structural section of the roadway and reduce water infiltration. It is typically advantageous to break the work into two contracts to reduce the overhead from one prime contractor and the typical markup associated with a specialized subcontractor doing the sealing portion of the project. In a normal year, this can translate into a 10 to 20% increase of available construction funds for repairing City roadways.

DESIGN PHASE CONSULTANT ENGINEERING SERVICES

Staff recommends that Council authorize the Public Works Director to execute a contract with Flowers & Associates in the amount of \$88,527 for professional design services. Flowers & Associates is one of the participants in the City's Pre-qualified Engineering Services Program and is experienced in this type of work.

COMMUNITY OUTREACH

It is anticipated that there will be a variety of methods for community outreach throughout the design and construction process. Typically, mailers are sent out by design staff, two to three months ahead of construction to alert residents and homeowners of the pending work. In this mailer, staff informs the homeowners of the work and requests that they expedite any upcoming work that they may need to accomplish within the roadway prior to construction of the pavement maintenance projects. The purpose of this notification is to limit the amount of work done within recently maintained roadways in an effort to maximize its useful life. As the project goes into construction, newspaper ads are published, press releases are issued, information is updated in the City Administrator's monthly report, City TV Channel 18 scrolls are utilized, and door hangers are placed for those directly impacted by the work.

FUNDING

Funding for the Project comes from a variety of sources. The Public Works Department solicits departments and divisions throughout the City who may require pavement restoration. This increases the cost effectiveness for a larger economy of scale project by driving down the unit costs for the work. In the past, the Downtown Parking, Waterfront, Facilities, Water, and Airport Divisions have all come forward with work to fund their individual needs. The work within the roadway is sponsored by Streets Capital funding, where funding sources are derived from Measure A, Utility Users Tax, and other grant funds.

The following summarizes all estimated total Project costs:

ESTIMATED TOTAL PROJECT COST

Design (by Contract)	\$88,527
Other Design Costs - City staff, Environmental (Assessments, etc.)	\$40,000
Subtotal	\$128,527
Estimated Construction Contract with Change Order Allowance	\$2,000,000
Estimated Construction Management/Inspection (by Contract or City)	\$180,000
Estimated Other Construction Costs (testing, etc.)	\$50,000
Subtotal	\$2,230,000
TOTAL PROJECT COST	\$2,358,527

There are sufficient funds in the Streets Capital Fund to cover these costs. The total Project cost estimate is within the amount budgeted in the Streets Capital Fund.

ATTACHMENT: Pavement Area Zone Map

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

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office

