



Agenda Item #: _____

Staff Report

City of Manhattan Beach

TO: Honorable Mayor Ward and Members of the City Council

THROUGH: Richard Thompson, Interim City Manager

FROM: Jim Arndt, Director of Public Works
Steve Finton, City Engineer

DATE: July 20, 2010

SUBJECT: Consider Authorization to Approve Award of a Professional Services Contract to Stantec Consulting Services, Inc. (\$30,400) for the Triennial Update to the City's Pavement Management Program.

RECOMMENDATION:

Staff recommends that the City Council pass a motion to award a Professional Services Contract to Stantec Consulting Services, Inc. in the amount of \$30,400 for the Triennial Update to the City's Pavement Management Program.

FISCAL IMPLICATION:

Funding for the Pavement Management Program (PMP) update is included in the FY 2010-11 Gas Tax Fund. Metropolitan Transportation Authority guidelines require that the PMP be updated triennially for the City to use Proposition C funds for street repair or maintenance.

BUDGET	
FY2010-11 CIP; Project # 11825E; Gas Tax Fund	\$40,000.00
TOTAL BUDGET	\$40,000.00

EXPENDITURES	
Stantec Consulting Services, Inc.	\$30,400.00
ESTIMATED BALANCE AFTER COMPLETION	\$9,600.00

BACKGROUND:

A pavement management program (PMP) is a decision-making tool used to make cost-effective decisions regarding pavement maintenance and rehabilitation. A PMP documents the condition of pavements and estimates existing and future needs to sustain pavement condition citywide.

The Public Works Department has maintained a computerized PMP since 1994. In 1998, the City contracted with Stantec Consulting Services, Inc. (Stantec) to install their proprietary PMP software. Stantec has performed all required updates since that time. The last PMP update was conducted by Stantec in fall of 2007.

DISCUSSION:

Staff has been satisfied with the system provided and maintained by Stantec. Staff recommends contracting with Stantec to perform the 2010 PMP update as well. Utilizing Stantec again provides inspection and rating consistency such that pavement deterioration can be accurately tracked over time. Stantec and City staff have negotiated a scope and fee in the amount of \$30,400 to perform the 2010 update. The proposal includes data collection, database updating and reports. The reports would indicate funding levels required to maintain pavement in current condition and to improve pavement condition to the goal PQI. Additionally, the report would estimate the resulting pavement condition at various investment levels. Lastly, the agreement would include presentation of findings to City Council at a City Council meeting.

In February 2010, Stantec performed budget scenarios utilizing data from the 2007 inspection effort. The 2010 analysis used theoretical pavement aging to arrive at an overall average pavement quality index (PQI) of 62 out of 100. Stantec estimated that funding in the amount of \$1.5 Million per year would be needed to maintain the City's pavement at about its current condition. Stantec indicated that other Southern California agencies have set a PQI goal of 75 out of 100. Stantec estimated that funding in the amount of \$2 Million would be required to increase pavement condition to the goal PQI of 75. The recommended update would provide current condition data to verify those findings. Additionally, data from the recommended update is scheduled for City Council discussion in September 2010.

Attachment: Scope of Work

xc: Henry Mitzner, Controller
Jeanne D. O'Brien, Accountant

Attachment

Attachment: Scope of Work and Fee, Pg 1 of 2

Stantec Consulting Services Inc.
2000 South Colorado Blvd Suite 2-300
Denver, CO 80222
Tel: (602) 438-2200 Fax: (602) 431-9562
stantec.com



Stantec

July 2, 2010

City of Manhattan Beach
City Hall
1400 Highland Avenue.
Manhattan Beach, CA 90266-4795

**Attention: Steve Finton
City Engineer**

Dear Mr. Finton:

Reference: Pavement Management System/ Pavement Condition Data Update

Stantec Consulting Services Inc, is pleased to respond to your recent request for information pertaining to the updating of the pavement condition data for the 2010 survey year.

The following list itemizes the tasks that should be included in this project:

1.0 Project Initiation, Mobilization and Project Management.....	\$ 3,000.00
2.0 Data Collection (SDI & RCI) on all streets - 110 test miles @ \$150.00 per mile	\$16,500.00
3.0 Walking survey on walkways/non-traffic roadways - Up to 10 miles manual distress survey	\$ 2,500.00
4.0 Data QA/QC & Editing – approximately 120 test miles (auto and manual) @ \$20.00 per mile.....	\$ 2,400.00
5.0 Budget Results Report	\$ 1,500.00
6.0 RoadMatrix Training (one-day session).....	\$ 2,000.00
7.0 Council Presentation	\$ 2,500.00
Total	\$30,400.00

These fees are exclusive of any business transfer tax, or other levies, which may be applied by a federal, state or municipal government on fees for services and supplies. This fee estimate is valid for 60 days.

Attachment: Scope of Work and Fee, Pg. 2 of 2

Stantec

July 2, 2010
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Task 1 provides for Project Initiation, Project Set-up and Mobilization in preparation for the fieldwork as well as the Project Management throughout the project.

Task 2 covers the field survey to update the SDI and RCI pavement condition data, all as per the requirements of your current RoadMatrix pavement management system.

Task 3 involves a manual distress survey for up to 10 miles of pedestrian walkways, for upload to the RoadMatrix system.

Task 4 provides for the office QA/QC & Editing of the field data and loading of that data into the City's current RoadMatrix software.

Task 5 includes the preparation and delivery of budget analysis results. This will include:

1. Pavement Quality Index (PQI) for each street segment.
2. Average PQI for AC and concrete streets.
3. Recommend goal PQI with justification.
4. Total value of current pavement rehabilitation needs.
5. Determine funding needed and recommend a 10-year Capital Improvement Program (CIP) to achieve a PQI at:
 - a. Current average PQI level
 - b. Recommended goal PQI
6. Recommend a 10-year CIP and determine resulting PQI if funding is available in the annual amounts of: \$650,000, \$1,000,000, \$1,250,000, \$1,500,000, \$1,750,000, \$2,000,000 and \$2,500,000.

Task 6 provides for a one-day on-site RoadMatrix training session for up to four City staff.

Task 7 will include preparation of a PowerPoint presentation, and on-site presentation of the field survey and RoadMatrix analysis results at the September 28, 2010 Council meeting.

Please contact me at 602-707-4780 or agnieszka.bevan@stantec.com should you have any questions.

Sincerely,

STANTEC CONSULTING SERVICES INC.

Agnieszka Bevan
Project Manager
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Fax: 602-431-9562
agnieszka.bevan@stantec.com