

DATE: October 28, 2008

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Citywide Pavement Management Program Update and Development of New Pavement Management Program for Hayward Executive Airport - Authorization for a Professional Services Agreement with Adhara Services, Inc.

RECOMMENDATION

That Council adopts the attached resolution authorizing the City Manager to execute a Professional Services Agreement with Adhara Systems, Inc., to update the Citywide Pavement Management Program and to develop a new Pavement Management Program for the Hayward Executive Airport in an amount not-to-exceed \$53,000.

BACKGROUND

The Pavement Management Program (PMP) is a software program designed to assist staff in making cost-effective decisions concerning the maintenance, rehabilitation, and reconstruction of City-maintained pavement. A major component of the PMP is the inventory and condition assessment survey of all City-maintained pavement. The current PMP software is an online program, StreetSaver Online, developed by the Metropolitan Transportation Commission (MTC).

The City maintains approximately 267 centerline miles of streets. A citywide PMP was developed in 1991 with the last pavement condition survey done in 2006. A citywide PMP update is performed every two years by consultants and involves a pavement condition survey of all the arterial streets, one-half of the collector streets, and one-quarter of the residential streets. The field data is then entered by the consultant into the City's PMP database. In addition to the pavement condition survey, the consultant will update the unit costs of pavement maintenance and rehabilitation treatments and perform budget needs and scenario analyses. New to this year's update is the addition of nine municipal parking lots consisting of approximately 301,000 square feet into the existing PMP.

The City also maintains approximately 3,828,000 square feet of pavement at the Airport. A PMP for the Hayward Executive Airport (Airport) was implemented in 1987 with the next and last updated conducted in 1995. The development of a new PMP for the Airport will allow staff to identify, prioritize, and manage the needs of airport pavement more effectively. The new PMP for the Airport involves collecting airport pavement inventory data and creating a new PMP (separate from the Citywide PMP) using the StreetSaver Online software to enter airport pavement inventory

data. The consultant will then perform a condition survey of all airport pavement needs, enter field data into the new PMP database; enter unit costs for maintenance and rehabilitation; and perform budget needs, scenario, and other related reports.

DISCUSSION

On August 13, 2008, Requests for Proposals to update the Citywide PMP and to develop the Airport PMP database were sent to professional consulting firms pre-qualified by the MTC with expertise in pavement management services. On September 12, 2008, proposals were received from the following five consultants:

Adhara Systems, Inc.
CSG Consultants, Inc.
Harris & Associates
Infrastructure Management Services
Nichols Consulting Engineers, Chtd.

A sixth consultant, Pavement Engineering, Inc., submitted a proposal to update the Citywide PMP only.

Based on qualifications, personnel, project understanding, and responses from the consultant's references, staff recommends Adhara Systems, Inc. (Adhara). Adhara's cost proposal for the PMP update was the lowest, at \$31,240, and its cost proposal for developing the Airport PMP was also the lowest, at \$23,430. The amount of time estimated to complete the work is 60 days each for the Citywide PMP update and for the Airport PMP development.

Adhara is located in San Jose and has five key staff members, including two with extensive experience in performing pavement condition surveys. They use an automated condition survey approach combining a state-of-the-art computerized data collection system for detecting crack distresses and manual survey methods to enter non-crack pavement distresses. Adhara has performed pavement condition surveys for many agencies and most recently for the City of Santa Clara and the County of Napa. In addition, their most recent experience with airports includes the San Francisco International Airport.

FISCAL IMPACT

The adopted 2008-2009 Capital Improvement Program includes \$40,000 in the Gas Tax Fund for the Citywide PMP update and \$100,000 in the Airport Capital Improvement Fund for the development of the new PMP for the Airport.

After negotiations, Adhara's proposal for basic and additional services is a not-to-exceed amount of \$27,000 to update the Citywide Pavement Management Program and a not-to-exceed amount of \$26,000 to develop a new Pavement Management Program for the Airport, for a total not-to-exceed total of \$53,000.

PUBLIC CONTACT

Not applicable.

SCHEDULE

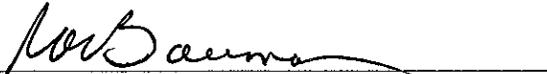
The work will begin immediately upon execution of a professional services agreement. It is anticipated that all work will be completed within six months.

Prepared by:



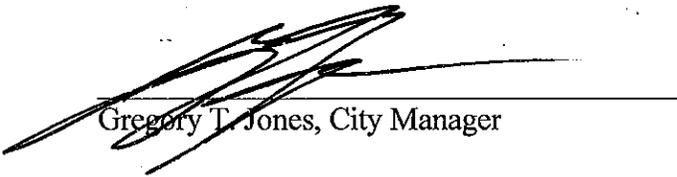
Morad Fakhrai, Deputy Dir. of Public Works

Recommended by:



Robert A. Bauman, Director of Public Works

Approved by:



Gregory T. Jones, City Manager

Attachment: Draft Resolution

DRAFT

9/6/11/02

HAYWARD CITY COUNCIL

RESOLUTION NO. 08-

Introduced by Council Member _____

RESOLUTION AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH ADHARA SYSTEMS, INC. TO UPDATE THE CITYWIDE PAVEMENT MANAGEMENT PROGRAM AND TO DEVELOP A NEW PAVEMENT MANAGEMENT PROGRAM FOR THE HAYWARD EXECUTIVE AIRPORT, PROJECT NOS. 5110 AND 6891

BE IT RESOLVED by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to negotiate and execute a Professional Services Agreement with Adhara Systems, Inc., to update the Citywide Pavement Management Program and to develop a new Pavement Management Program for the Hayward Executive Airport, Project Nos. 5110 and 6891, in an amount not to exceed \$53,000, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2008

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:
MAYOR:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward