

REPORT TO THE CITY COUNCIL

City of Salinas, California

DATE: January 24, 2017

FROM: Gary E. Petersen, C.A.E.
Public Works Director

THRU: Frank A. Aguayo, P.E.
Interim City Engineer

BY: Josie Lantaca, Assistant Engineer

SUBJECT: **PAVEMENT MANAGEMENT SYSTEM; PROJECT NO. 9672**

RECOMMENDATION:

It is recommended that the City Council approve a resolution:

- 1) Approving a Technical Support Services Agreement in the amount of \$214,435 between the City of Salinas and Metropolitan Transportation Commission for services related to developing a computer-based Pavement Management System for the City; Project No. 9672; and
- 2) Approving and authorizing the transfer of funds in the amount of \$124,000 from Project No. 9073 – Downtown Public Restrooms to Project No. 9672 – Pavement Management System.

DISCUSSION:

Pavement management is the process of planning the maintenance and repair of a network of streets/roadways or other paved facilities (like airport runways) to improve pavement conditions over the entire network. It includes the many aspects and tasks needed to maintain a quality pavement inventory, including maintaining pavement inspection database, and ensuring that the overall condition of the road network can be sustained at desired quality levels. A Pavement Management System (PMS) is a planning tool used to help staff with pavement management decisions. PMS Software programs model future pavement deterioration due to traffic and weather, and recommend maintenance and repairs to the road's pavement based on the type and age of the pavement and various measures of existing pavement quality. Measurements can be made by persons on the ground, visually from a vehicle, or using automated sensors mounted to a vehicle. PMS Software helps the user create composite pavement rankings based on quality measures on roads or road sections. Most state and federal funds for road improvements and maintenance projects including TAMC's Measure X funds require agencies to have Pavement Management System to qualify for those funds. The City of Salinas' existing PMS is obsolete, and was developed using the City's old Computer System which is no longer used.

A PMS Software known as StreetSaver is now the leading PMS Software on the West Coast. StreetSaver is owned and managed by the Metropolitan Transportation Commission (MTC). Thus, we'd like to enter into a service agreement with MTC to utilize the StreetSaver Software to develop the City's new PMS.

The City of Salinas has approximately 260 centerline miles of streets to maintain. The actual street surveys, and technical support will be provided by a third party under contract with MTC. MTC's Contractor for this project will be Adhara Systems, Inc. ("Adhara"). Adhara's work will include the evaluation and documentation, field survey, analysis of current pavement conditions, development of quality control plan, data entry, generation of pavement condition and budget analysis report, and training of City staff on the use of the PMS Software, and will also include the delivery of an updated PMS database and GIS layer that will be integrated into the City's GIS system. MTC's proposed total compensation for these tasks/services is \$142,185. In addition to the services mentioned above, MTC's proposal also includes doing an inventory and report of non-pavement items like storm drain and sanitary sewer manholes, catch basins, flushing inlets, city's survey monuments, and other utilities' (PG&E, AT&T, Water) valves, vaults, etc. to also be integrated into the City's GIS database. MTC's proposed compensation for these tasks/services is \$72,250. The overall total contract amount for MTC to perform all these services is \$214,435.

ISSUE:

Shall City Council approve a resolution approving a Technical Support Services Agreement in the amount of \$214,435 between the City of Salinas and Metropolitan Transportation Commission for services related to developing a computer-based Pavement Management System for the City; Project No. 9672; and approving and authorizing the transfer of funds in the amount of \$124,000 from Project No. 9073 – Downtown Public Restrooms to Project No. 9672 – Pavement Management System?

FISCAL IMPACT:

Funding for this project comes from Gas Tax Funds in the amount of \$125,000. As of January 11, 2017, \$17,670 has been spent and encumbered on preliminary engineering, and researching/checking existing database information from the City's old system. This leaves an unencumbered balance of \$107,330. With the approval of the transfer of funds noted above, the total available funds will be \$231,330, which will be sufficient to enter into Contract with MTC in the amount of \$214,435.

TIME CONSIDERATIONS:

If approved, project completion is expected by summer 2017.

ALTERNATIVES/IMPLICATIONS:

1. Council may elect to postpone the project. This is not recommended because the PMS needs to be upgraded and implemented to stay competitive and qualify for state and federal funds for roadway improvements and maintenance projects, and to qualify for the TAMC's Measure X funds; or
2. Council could direct staff to use other funds besides the transfer from CIP 9073 (Downtown Public Restrooms), like Measure G or General Fund.

CITY COUNCIL GOALS:

The Pavement Management System Project addresses the current City Council Goals of Excellent Infrastructure; Safe, Livable Community; and Quality of Life by providing improved network of roadways for Salinas residents and travelers.

CONCLUSIONS:

At its meeting on January 24, 2017, the City Council is requested to adopt a resolution approving a Technical Support Services Agreement in the amount of \$214,435 between the City of Salinas and Metropolitan Transportation Commission for services related to developing a computer-based Pavement Management System for the City; Project No. 9672; and approving and authorizing the transfer of funds in the amount of \$124,000 from Project No. 9073 – Downtown Public Restrooms to Project No. 9672 – Pavement Management System.

Back up Pages:
Resolution
Agreement between MTC and the City of Salinas

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