

APPROVED
BY THE CITY COUNCIL

MAY 25 1999

**OFFICE OF THE
CITY CLERK**



1.12

DEPARTMENT OF
PUBLIC WORKS

MAINTENANCE SERVICES
DIVISION

CITY OF SACRAMENTO
CALIFORNIA

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BUILDING ONE
SACRAMENTO, CA
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May 14, 1999

~~0099-062~~ assigned
in error
number not
reassigned
A599-086

City Council
Sacramento, California

Honorable Members in Session:

**SUBJECT: ENHANCEMENT/UPDATE TO THE CITY OF SACRAMENTO PAVEMENT
MANAGEMENT SYSTEM**

LOCATION AND COUNCIL DISTRICT: Citywide. All districts.

RECOMMENDATION:

Approve the attached Resolution authorizing the City Manager to execute a Professional Services Agreement with Stantec Consulting Inc. in the amount of \$303,700 to perform the services required for the enhancement/update of the City's Pavement Management System.

CONTACT PERSON: Gene Moore, Maintenance Services Manager 433-6230
Mark Warner, Engineering Tech III 433-6336

FOR COUNCIL MEETING OF: May 25, 1999

SUMMARY:

On February 28, 1996, the Sacramento City Council authorized the City Manager to enter into a Professional Services Agreement with Stantec Consulting Inc. (formerly ITX Stanley), to update the City's 1987 Pavement Management System, and perform interface with the City's Geographical Information System. The project was completed during the spring and summer of 1996.

In order for the system to remain a reliable planning tool and reflect the latest street conditions, the pavement condition inventory must be updated at least once every second year.

The update to the inventory will include further enhancement to the system by implementing "block to block" sectioning of the City's pavement infrastructure, structural testing of the major arterial collectors and bus lanes and recalibrate the street deterioration curves due to the heavy precipitation of the last three winters. This report recommends Council approve the

City Council
Enhancement/Update to Pavement Management System
May 14, 1999

attached Resolution approving a Consultant and Professional Services Agreement with Stantec Consulting Inc. to update and enhance the City's Pavement Management System in the amount of \$303,700.00.

COMMITTEE/COMMISSION ACTION: None

BACKGROUND INFORMATION:

The Pavement Management System is used as a valuable planning tool in determining the City's annual CIP and maintenance budget. The Federal Highway Administration set the standards and features for a nationwide Pavement Management System (PMS) by requiring communities receiving Federal Highway Funds to determine the current and future condition of its pavement. In order to do that, every street must be inspected for its roughness (i.e. its rideability), the severity of its pavement distress (cracking), and a calculation of the pavement's structural integrity. The results are then entered into the PMS, which uses a mathematical model to assign a Pavement Quality Index (PQI) number to each segment of every street. The PQI ranges from 0 to 10, with 10 indicating the highest quality.

The City inventoried all of its 2,630 lane miles in 1996 and used the system as a successful planning tool for managing its pavement infrastructure maintenance. In order to have an accurate pavement maintenance strategy and to have the affect of the last three years taken into account, the system must be updated. Staff recommends the re-inventory and updating be performed during the spring of 1999.

FINANCIAL CONSIDERATIONS:

Sufficient funds (Gas Tax) are available for this professional services agreement in the Maintenance Services Division's (Street Operations) FY 98/99 budget.

ENVIRONMENTAL CONSIDERATIONS:

The subject of this report does not involve a project which may cause a direct or indirect change in the environment and is, therefore, exempt from the California Environmental Quality Act (CEQA), (Public Resources Code Section 21065).

POLICY CONSIDERATIONS:

Pavement quality is an important part of the Council's policy of revitalizing and enhancing neighborhoods and the City as a whole. Efficient pavement management is a matter of balancing expenditures between reconstructing severely deteriorated streets and assuring that other streets are maintained to the City standard and not allowed to deteriorate into a reconstruct state.

ESBD CONSIDERATIONS:

The firm recommended here did the original work. Due to the proprietary nature of the Pavement Management Software, it is necessary to contract with Stantec Consulting Inc. for

City Council
Enhancement/Update to Pavement Management System
May 14, 1999

their services. A waiver of the ESBE requirements was requested and received from the ESPD office.


Respectfully submitted,


Gene Moore
Maintenance Services Manager

RECOMMENDATION APPROVED:


ROBERT P. THOMAS
City Manager

Approved:


Michael Kashiwagi
Director of Public Works

FM99071:GM/ct

APPROVED
BY THE CITY COUNCIL

MAY 25 1999

OFFICE OF THE
CITY CLERK

RESOLUTION NO. 99-256

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF _____

**RESOLUTION AUTHORIZING THE CITY MANAGER TO ENTER
INTO AN AGREEMENT WITH STANTEC CONSULTING INC.
FOR AN AMOUNT NOT TO EXCEED \$303,700.00**

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO THAT:

1. The City Manager is authorized to enter into an agreement with Stantec Consulting Inc. to perform the services required for the enhancement and update of the City of Sacramento Pavement Management System in an amount not to exceed \$303,700.00.

MAYOR

ATTEST:

CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO.: _____

DATE ADOPTED: _____