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OAKLAND  
2012 NOV 15 PM 3:07

# AGENDA REPORT

TO: DEANNA J. SANTANA  
CITY ADMINISTRATOR

FROM: Vitaly B. Troyan, P.E.

SUBJECT: Agreement with MTC for Pavement  
Management Assistance

DATE: October 15, 2012

City Administrator  
Approval

Date

11/15/12

COUNCIL DISTRICT: City-Wide

## RECOMMENDATION

Staff recommends that the City Council approve a Resolution 1) Authorizing The City Administrator Or Designee To Apply for \$60,000.00 In Pavement Management Technical Assistance Program Grant Funds From The Metropolitan Transportation Commission; 2) Appropriate \$50,780.00 From Measure B Funds In Local Match; And 3) Enter Into An Agreement With Metropolitan Transportation Commission To Provide additional Consulting Services For An Amount Not To Exceed \$50,780.00.

## OUTCOME

The approval of the resolution prepared for the City Council will authorize the City Administrator or designee to apply for \$60,000.00 in pavement management technical assistance program (P-TAP) grant funds from the Metropolitan Transportation Commission (MTC), appropriate \$50,780.00 in matching funds and enter into an agreement with MTC to provide consulting services for an amount not to exceed \$50,780.00. The consulting services will be used to inspect approximately 298 centerline miles of streets which are mandatory in order to comply with the MTC's reporting requirements. Additional consulting services will provide the City Geographical Information System (GIS) Mapping integration.

This grant will be administered by MTC and will provide the City with expert consultant services to assist in updating the City's pavement management program. Specific tasks identified by the City to be performed by Harris & Associates, under agreement with MTC, include the following:

1. Re-inspect approximately 298 centerline miles of streets;
2. Verify street segmentation information such as length and width of the street;
3. Update the Pavement Condition Index (PCI) for all of the inspected street segments;

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4. Produce GIS mapping for the Pavement Management System (PMS); and
5. Provide GIS mapping to MTC for integrating the mapping with the StreetSaver program.
6. Guard rails will be identified and marked on a map while performing pavement surveys on the Arterial and Collector streets.

The MTC grant will pay for approximately 65% of the cost of the above noted tasks number one through number five. The City's cost will pay for the remaining 35% and provide additional services noted on tasks number six. The City benefits because the additional work is best done in conjunction with the work provided by the P-TAP grant.

### **BACKGROUND/LEGISLATIVE HISTORY**

In 1985, MTC developed the Street Saver software system for pavement management (the MTC PMS) in cooperation with six Bay Area jurisdictions. Since then, 104 cities and counties in the Bay Area and over 300 organizations nationwide have licensed the system. The MTC PMS allows jurisdictions to track pavement condition, establish optimal repair programs, identify the impact of existing budgets on pavement condition, and allocate limited funds cost effectively.

MTC has retained nine consulting firms to service P-TAP. Through P-TAP, MTC will provide consultant assistance to Bay Area jurisdictions to implement a pavement management program (e.g. create pavement segmentation, perform field inspections) and maintain an existing PMS database (update treatment descriptions/costs, establish pavements needs, identify budgets impacts). This program assures consistency in regional evaluation of street conditions.

MTC selected the most appropriate firm to assign to each jurisdiction based on special areas of firm expertise, geographic proximity and/or familiarity, rate schedule, and previous experience. MTC's P-Tap consultant for the City of Oakland is Harris & Associates. Local jurisdictions are expected to work with P-TAP consultants to complete the projects within 120 days from the start of the project.

The maximum grant amount for P-TAP Round 13 is \$60,000.00 per jurisdiction.

### **ANALYSIS**

In order to comply with the MTC reporting requirements, all collector and arterial streets need to be surveyed every two years.

This year the P-TAP 13 grant will be used to begin inspecting the City's collector and arterial streets. The P-TAP 13 grant will pay for the inspections of approximately 298 centerline miles.

An effective pavement management program is needed so City streets may be maintained, as optimally as possible, and maintain or improve the pavement condition, making it safer and easier for drivers as well as pedestrians.

## COORDINATION

Offices consulted in the preparation of this report are the following:

- Office of the City Attorney
- City Budget Office
- Public Works Agency – Department of Engineering and Construction
- Public Works Agency – Department of Infrastructure and Operations

## COST SUMMARY/IMPLICATIONS

*Fiscal impact:* Approval of this resolution will authorize application of \$60,000.00 and payment of \$50,780.00 in local matching funds to MTC. Funds are available from Measure B (Fund 2211), Street Condition Survey Project (C235010). Applying for this grant will enable the City to receive consulting services for updating the Pavement Management System (PMS). The true cost to the City is \$50,780.00. The City will not actually receive the \$60,000.00 grant as MTC pays for that work directly to the consultant.

Description	Fund	Project	Amount
PTAP Grant	-	-	\$60,000.00
PTAP Grant Matching Funds	2211	C235010	\$50,780.00
		Total	\$110,780.00

## SUSTAINABLE OPPORTUNITIES


*Economic:* The pavement management program, when updated regularly, provides the City with the most efficient, effective, and economic maintenance strategies for the entire pavement network. Preventative maintenance also minimizes additional cost to drivers from poorly maintained streets (e.g. potholes and accidents).

*Environmental:* The pavement management program provides a preventative maintenance strategy for the City's pavement network. When this maintenance strategy is used the City's pavement life is extended, reducing the need for environmental impacts associated with street reconstruction.

*Social equity:* The pavement management system projects street condition and calculates a pavement condition index (PCI) for each street segment within the City's pavement network.

For questions regarding this report, please contact Gus Amirzehni, P.E., Engineering Design and Right-of-Way Manager, at (510) 238-6601.

Respectfully submitted,

  
VITALY B. TROYAN, P.E.  
Director, Public Works Agency

Reviewed by:  
Michael Neary, P.E., Assistant Director  
PWA, Department of Engineering and Construction

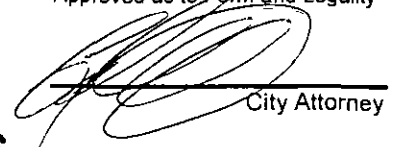
Reviewed by:  
Gus Amirzehni, P.E., Engineering and R.O.W Manager  
Engineering Design and R.O.W Management Division

Prepared by:  
Allen Law, P.E., Supervising Civil Engineer  
Engineering Design and R.O.W Management Division

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FILED  
OFFICE OF THE CITY CLERK  
OAKLAND

# OAKLAND CITY COUNCIL



City Attorney

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RESOLUTION NO. \_\_\_\_\_ C.M.S.

Introduced by Councilmember \_\_\_\_\_

**Resolution 1) Authorizing The City Administrator or Designee To Apply for \$60,000.00 In Pavement Management Technical Assistance Program Grant Funds From The Metropolitan Transportation Commission; 2) Appropriate \$50,780.00 From Measure B Funds In Local Match; And 3) Enter Into An Agreement With Metropolitan Transportation Commission To Provide Consulting Services For An Amount Not To Exceed \$50,780.00**

**WHEREAS**, the Transportation Equity Act for the 21st Century (TEA 21) (Public Law 105-178, June 9, 1998) and the TEA 21 Restoration Act (Public Law 105-206, July 22, 1998) continue the Surface Transportation Program (23 U.S.C. § 133); and

**WHEREAS**, the Pavement Technical Assistance Program (P-TAP) provision of TEA 21 provides funding for consulting services to assist local jurisdictions with implementation of their pavement management systems; and

**WHEREAS**, pursuant to TEA 21, and the regulations promulgated there under, eligible project sponsors wishing to receive Surface Transportation Program P-TAP grants for a project shall submit an application first with the appropriate metropolitan transportation planning organization (MPO), for review and inclusion in the MPO's Pavement Technical Assistance Program (P-TAP); and

**WHEREAS**, the Metropolitan Transportation Commission (MTC) is the MPO for the San Francisco Bay region; and

**WHEREAS**, the Metropolitan Transportation Commission (MTC) retains consulting firms to service the P-TAP; and

**WHEREAS**, the City of Oakland has been selected to receive the Surface Transportation Program P-TAP grant; and

**WHEREAS**, this grant is intended for P-TAP consultant services to assist project sponsors in implementing and maintaining their pavement management systems; and

**WHEREAS**, MTC requires the following:

- 1) the appropriation of \$50,780.00 in matching local funds; and
- 2) that the sponsor understands that the Surface Transportation Program funding is fixed at the programmed amount, and therefore any cost increase cannot be expected to be funded with Surface Transportation Program funds; and
- 3) the sponsor must complete the project within 120 days from the start of the project; and

**WHEREAS**, the local finds of \$50,780.00 are available in Measure B (2211), Street Condition Survey Project (C235010); and

**WHEREAS**, the letter agreement for additional P-TAP 13 Services be attested; now, therefore, be it

**RESOLVED:** That the City Council of the City of Oakland authorizes the City Administrator, or her designee, to apply for \$60,000.00 in Pavement Management Technical Assistance Program Grant Funds from the Metropolitan Transportation Commission, appropriate \$50,780.00 from Measure B funds in local match, and enter into an agreement with the Metropolitan Transportation Commission to provide consulting services; and be it

**FURTHER RESOLVED:** That the City Council authorizes the City of Oakland to appropriate \$50,780.00 in local matching funds from existing Measure B Funds; and be it

**FURTHER RESOLVED:** That the City Council authorizes the City Administrator, or her designee to negotiate and enter into an agreement with Metropolitan Transportation Commission to provide consulting services for an amount not to exceed \$50,780.00; and be it

**FURTHER RESOLVED:** That the Surface Transportation Program P-TAP funding for the project is fixed (\$60,000.00), that any cost increases must be funded by the City of Oakland from local matching funds, and that the City of Oakland does not expect any cost increases to be funded with Surface Transportation Program funds; and be it

**FURTHER RESOLVED:** That a copy of this resolution will be transmitted to the MTC and that the MTC is hereby requested to fund and execute, and administer the project described in the resolution, if approved by MTC; and be it

**FURTHER RESOLVED:** That this resolution has been approved by the Office of the City Attorney as to form and legality, and a copy is on file in the Office of the City Clerk.

IN COUNCIL, OAKLAND, CALIFORNIA, \_\_\_\_\_

**PASSED BY THE FOLLOWING VOTE:**

AYES - BROOKS, BRUNNER, DE LA FUENTE, KAPLAN, KERNIGHAN, NADEL, SCHAAF and  
PRESIDENT REID

NOES -

ABSENT -

ABSTENTION -

ATTEST: \_\_\_\_\_

LaTonda Simmons  
City Clerk and Clerk of the Council  
of the City of Oakland, California