



FILE
OFFICE OF THE CITY CLERK
OAKLAND

2018 AUG 30 AM 11:01

AGENDA REPORT

TO: Sabrina B. Landreth
City Administrator

FROM: Ryan Russo, Director
OakDOT

SUBJECT: Agreement with MTC for Pavement
Management Assistance

DATE: August 1, 2018

City Administrator Approval

Date:

8/29/18

RECOMMENDATION

Staff Recommends That The City Council Approve A Resolution Authorizing The City Administrator Or Designee To: 1) Apply For and Accept An \$80,000.00 Pavement Management Technical Assistance Program (P-TAP) Grant From The Metropolitan Transportation Commission; 2) Allocate \$20,000.00 In Matching Funds And An Additional \$184,000.00 For Additional Professional Services; And 3) Enter Into An Agreement With Metropolitan Transportation Commission To Provide Additional Professional Services In An Amount Not-To-Exceed \$184,000.00.

EXECUTIVE SUMMARY

Approval of this resolution will authorize the City Administrator or designee to apply for and accept an \$80,000.00 Pavement Management Technical Assistance Program (P-TAP) grant from the Metropolitan Transportation Commission (MTC). This approval requires \$20,000.00 in matching funds. The entire grant amount will be administered by MTC and will provide the City with professional services, through MTC's regional consultant, to update the City's pavement management data system. The City is interested in receiving additional professional services from the MTC's consultant in the amount of \$184,000.00 to update its entire pavement data system. Approval of this resolution will also authorize an award of contract with MTC to provide the additional professional services in an amount not-to-exceed \$184,000.00 (Fund 2211, Project 1000829). Again, these services will update the City's entire Pavement Management System to reflect the current pavement conditions in Oakland, as required by MTC, and will ensure that streets are assessed uniformly and consistently throughout Oakland. The work done under the P-TAP grant is critical to updating Oakland's paving plan, as it will provide updated information on the pavement condition on all of Oakland's streets.

BACKGROUND / LEGISLATIVE HISTORY

In 1985 MTC developed the StreetSaver® 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 software. This software allows jurisdictions to track pavement condition, establish optimal repair programs, identify the

Item: _____
Public Works Committee
September 11, 2018

impact of existing budgets on pavement condition, and allocate limited funds cost-effectively. Through P-TAP, MTC provides consultant assistance to Bay Area jurisdictions to implement a pavement management program and maintain an existing PMS database. This program assures consistency in regional evaluation of street conditions. The maximum grant amount for P-TAP Round 19 is \$100,000.00 per jurisdiction, which includes a required 20% local match (\$20,000.00).

ANALYSIS AND POLICY ALTERNATIVES

The work done under the P-TAP grant is the first step towards updating Oakland's next paving plan, as it will provide updated information on the pavement condition on Oakland's streets. As part of the grant, the City will also receive a two-year license of the MTC's StreetSaver® software.

The \$100,000.00 grant amount is not enough to fund the inspection of the City's entire pavement network. Additional services are requested in the amount of \$184,000.00 to inspect the complete system of streets in Oakland. These services will enable the City to completely update its entire pavement management data system, ensure data uniformity and consistency throughout Oakland and the region, as required by MTC.

In addition, as part of P-TAP Round 19, the City of Oakland will receive two years of subscription to the online version of StreetSaver® (the MTC Pavement Management System). An updated Pavement Management System will enable Oakland to better plan and manage its street resurfacing program. MTC requires these updates every 2 years for arterial and collectors, and every 5 years for residential streets.

Staff anticipate that the Pavement Management System will be a key input to the updated citywide paving plan, which will also assess how the City's limited paving dollars can be distributed to advance racial equity and safety goals. This plan will be brought to Council for consideration in spring 2019.

FISCAL IMPACT

Approval of this resolution will authorize the application and acceptance of \$80,000.00 from MTC, a payment of \$20,000.00 in local match for the grant, and an additional payment of \$184,000.00 to MTC. Funds are available from Measure B (Fund 2211), Citywide Preventative Street Maintenance (1000829). Applying for and accepting this grant will enable the City to receive MTC's consulting services for updating the Pavement Management System (PMS).

Description	MTC Grant	Measure B (2211)	Fund	Project
P-TAP 19 Grant & Local Match	\$80,000.00	\$20,000.00	2211	1000829
Additional Matching Funds	-	\$184,000.00	2211	1000829
Subtotal	\$80,000.00	\$204,000.00		

COORDINATION

The Office of the City Attorney and the Budget Bureau reviewed this report and resolution.

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).

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 environmental impacts associated with street reconstruction.

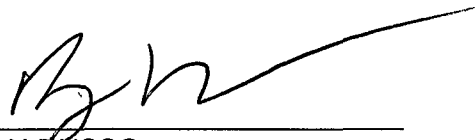
Social Equity: The pavement management system projects street condition and calculates a pavement condition index (PCI) for each street segment within the City's pavement network. The street PCI is used to propose maintenance strategies for the City's entire pavement network. It allows an objective rating of pavement condition across all areas of Oakland, and it will be combined with equity analyses to produce recommendations that reflect racial equity goals.

ACTION REQUESTED OF THE CITY COUNCIL

Staff Recommends That The City Council Approve A Resolution Authorizing The City Administrator Or Designee To: 1) Apply For And Accept An \$80,000.00 Pavement Management Technical Assistance Program (P-TAP) Grant From The Metropolitan Transportation Commission; 2) Allocate \$20,000.00 In Matching Funds And An Additional \$184,000.00 For Additional Professional Services From The Paving Program (Fund 2211, Project 1000829); And 3) Enter Into An Agreement With Metropolitan Transportation Commission To Provide Additional Professional Services In An Amount Not-To-Exceed \$184,000.00.

For questions regarding this report, please contact Sarah Fine, Acting Program Manager, Complete Streets Paving & Sidewalks at (510) 238-6241.

Respectfully submitted,



RYAN RUSSO
Director, Department of Transportation

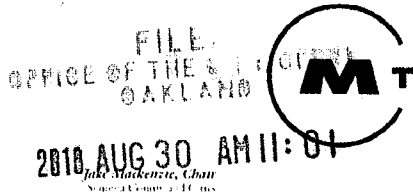
Reviewed by:
Wladimir Wlassowsky, P.E., Assistant Director,
Department of Transportation

Reviewed by:
Mohamed Alaoui, P.E., Principal Civil Engineer
Department of Transportation

Prepared by:
Sarah Fine, M.C.P., Acting Program Manager
Complete Streets Paving & Sidewalks
Department of Transportation

Attachments (1):

A: Letter of Agreement for P-TAP 19 Services



METROPOLITAN
TRANSPORTATION
COMMISSION

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San Francisco, CA 94105
415.778.6700
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August 10, 2018

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Deputy Executive Director,
Local Government Services

Attention: Ryan Russo
Director, Department of Transportation
City of Oakland
250 Frank H. Ogawa Plaza Suite 4314
Oakland, CA 94587

RE: Letter Agreement Between MTC and the City of Oakland for P-TAP Services

Dear Mr. Russo:

This letter serves as an agreement between the Metropolitan Transportation Commission (MTC) and the City of Oakland (OAKLAND) to work with Nichols Consulting Engineers, Incorporated (CONSULTANT) to update the pavement condition data in StreetSaver and to develop a new Capital Improvement Plan prioritization matrix, and locate and map speed bumps onto a geodatabase. CONSULTANT shall perform the workscope as part of the Pavement Management and Technical Assistance Program (P-TAP), as described below (the "Project"), at OAKLAND's request, as funded within the P-TAP program and with OAKLAND providing local matching funds (the "Agreement").

Background

On February 8, 2017, MTC executed a contract with CONSULTANT, for the Pavement Management Technical Assistance Program (P-TAP) (CONTRACT), covering Fiscal Years 2017-2018 through 2018-2019 (P-TAP Round 19), to provide PMP professional services to cities in the MTC region. The contract was amended on January 10, 2018 to add OAKLAND's P-TAP 19 Pavement Management Project to inspect 333 centerline miles in the jurisdiction; the CONTRACT amount was increased by one-hundred thousand dollars (\$100,000) for the Project, of which 80% (\$80,000) was funded by the P-TAP Program and 20% (\$20,000) was funded with local matching funds by OAKLAND.

Upon final execution of this Agreement, MTC will amend the CONTRACT with the CONSULTANT to increase the CONTRACT amount by one-hundred eighty-four thousand dollars (\$184,000) for the Project, of which 100% (\$184,000) shall be funded

with local matching funds by OAKLAND. This would increase the total budget for the project to two-hundred eighty-four thousand dollars (\$284,000).

Scope of Services

Subject to contract amendment and approval, MTC shall direct CONSULTANT to complete the Project for OAKLAND as indicated below. CONSULTANT shall secure approval of the Work Scope, Schedule and Budget (WSB) from OAKLAND and shall submit the WSB to MTC for review. MTC will manage the Project as part of the CONTRACT and shall oversee CONSULTANT for this work.

The Scope of Services for the project includes the following tasks:

- **TASK 1: Workscope, Schedule, and Budget**
CONSULTANT shall schedule a meeting with OAKLAND to kick-off the project; establish communication channels and protocols; discuss the scope of work, schedule, and budget; gather available information; and obtain a thorough understanding of the goals for the project. CONSULTANT shall prepare a detailed Workscope, Schedule, and Budget (WSB) for review and approval by the jurisdiction and MTC Project Manager. CONSULTANT shall finalize the WSB by incorporating any feedback received from the jurisdiction and MTC Project Manager. The WSB and Quality Control Plan shall be the deliverables.
- **TASK 2: Condition Surveys and PCI Calculations**
CONSULTANT shall perform pavement condition surveys on sample sections for 831 centerline miles of roads, update OAKLAND's StreetSaver database with the collected data, and calculate the Pavement Condition Index (PCI). CONSULTANT shall conduct quality assurance/quality control as outlined in the scope, update the maintenance and rehabilitation decision trees, and analyze the data collected. CONSULTANT shall make recommendations to OAKLAND based on the analysis. An updated Pavement Condition Index Listing, Quality Management Report, and updated StreetSaver database shall be the deliverables.
- **TASK 3: Update Maintenance and Rehabilitation History and Decision Tree in StreetSaver.**
CONSULTANT shall review the maintenance and rehabilitation (M&R) decision tree and unit costs. CONSULTANT shall obtain and review recent bid tabs from OAKLAND to ensure that the most recent costs are used for the decision tree. An updated M&R Decision Tree in StreetSaver and the M&R History Report shall be the deliverables.
- **TASK 4: Prepare DRAFT and FINAL budget needs, scenarios, and other reports.**
CONSULTANT shall generate summary DRAFT and FINAL reports of the budget analysis, pavement network condition, assumptions, methodology and recommendations. DRAFT and a FINAL Budget Options Reports (BOR) shall be the deliverables.
- **TASK 5: Five-Year Work Plan.**

Passage of Measure KK in 2017 provided approximately \$30 million a year for paving projects, and OAKLAND developed new prioritization criteria that will be used in developing a five-year work plan. To incorporate the prioritization criteria into the decision making process, CONSULTANT shall create a color-coded map based on a cost effectiveness ratio from unconstrained budget needs. This map will be overlaid with a disadvantage index map, high injury map, bike facility map and affordable housing map to rank the projects. The highest ranked projects will be selected for the five-year plan considering OAKLAND's funding allocation plan for arterial, collector and residential streets. Based on these results and input from City staff, NCE will prepare a five-year work plan that includes recommended repairs on selected streets as well as the corresponding funding required. A five-year work plan that includes recommended repairs on selected streets as well as the corresponding funding required shall be the deliverable.

- **TASK 6: Non-Pavement Asset Management Speed Bump Inventory.** CONSULTANT will identify the location of speed bumps on approximately 831 centerline miles of streets. The deliverable for this task shall be an ESRI shapefile showing the location of speed bumps with type of speed bumps (e.g. asphalt speed bump, speed hump, speed hump with emergency access, etc.) and photos.
- **TASK 7: Presentations and Meetings.** CONSULTANT will prepare and present the results at up to two public outreach meetings. This task includes one meeting with the City's staff prior to the presentations to discuss items such as the goal of the presentation, the level of knowledge and backgrounds of the audience, the number of stakeholders involved, and other potential issues. The deliverables for this task will include developing a presentation and a Factsheet (front-back, graphically oriented, translated in up to 4 languages), and in-person presentation at up to 2 meetings

Deliverable 1: Workscope, Schedule and Budget, and Quality Control Plan
Deliverable Due Date: July 30, 2018

Deliverable 2: Condition Surveys and PCI Calculations
Deliverable Due Date: October 1, 2018

Deliverable 3: Update Maintenance and Rehabilitation Tree
Deliverable Due Date: October 30, 2018

Deliverable 4: DRAFT and FINAL Budget Option Reports
Deliverable Due Date: December 1, 2018 - April 1, 2019

Deliverable 5: Five-Year Work Plan
Deliverable Due Date: April 1, 2019

Deliverable 6: Non-Pavement Asset Management Data: Speed Bumps

Deliverable Due Date: June 30, 2019

Deliverable 7: Presentations and Meetings

Deliverable Due Date: October 1, 2018 – April 30, 2019

Cost, Invoicing and Obligation of OAKLAND to MTC

The cost for the work described in the Scope of Services shall not exceed two-hundred eighty-four thousand dollars (\$284,000). Following execution of this Agreement, MTC will invoice OAKLAND, and OAKLAND shall submit payment in the amount of one-hundred eighty-four thousand dollars (\$184,000) to MTC as local matching funds within 30 days of receipt of the invoice.

MTC shall fund eighty thousand dollars (\$80,000) in STP funds, twenty thousand (\$20,000) in local matching funds previously collected from OAKLAND for P-TAP 19, and one hundred eighty thousand dollars (\$184,000) to CONSULTANT, subject to contract approval, to fund the project as outlined in this Scope of Services. Any unused amounts of OAKLAND's contribution shall be refunded to OAKLAND within a reasonable time following project completion.

OAKLAND will not reimburse MTC for any MTC project management and oversight costs of this Agreement, nor any MTC overhead costs.

Insurance and Indemnification

MTC will direct CONSULTANT to name OAKLAND as an additional insured. MTC will also direct the CONSULTANT to indemnify OAKLAND and their commissioners, directors, officers, agents, and employees with respect to the Project.

OAKLAND shall indemnify and hold harmless MTC, its Commissioners, officers, agents, and employees from claims, demands, suits, loss, damages, injury, and/or liability (including any and all costs and expenses in connection therewith), incurred by reason of any negligent or otherwise wrongful act or omission of CONSULTANT, its officers, agents, employees and subcontractors, or any of them, under or in connection with this Agreement; and OAKLAND agrees at its own cost, expense and risk to defend claims, actions, suits, or other legal proceedings brought or instituted against MTC, its Commissioners, officers, agents, and employees, or any of them, to the extent arising out of such negligent or otherwise wrongful act or omission, and to pay and satisfy any resulting judgments.

Agreement Term

The Agreement will expire no later than July 30, 2019, unless it subsequently amended by mutual agreement.

MTC Contact for this Agreement:

Christina Hohorst
Associate Planner/Analyst
Bay Area Metro Center
375 Beale Street, Suite 800
San Francisco, CA 94105
Telephone: 415-778-5269
Email: CHohorst@bayareametro.gov

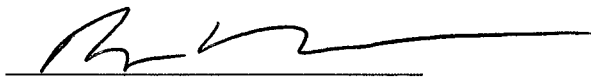
OAKLAND Contact for this Agreement: Sarah Fine
Acting Program Manager, Complete Streets Paving
Great Streets Division
Department of Transportation
City of Oakland
250 Frank H. Ogawa Plaza
CA 94612-2033
Telephone: 510-238-7266
Email: SFine@oakland.ca.gov

If you agree, please sign both copies of the Agreement in the space provided below and return one to MTC. The other copy is for your files.

Very truly yours,


Steve Heminger
Executive Director

Accepted and Agreed to this 20 day
of August, 2018


Ryan Russo
City of Oakland

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Reviewed by:
Wlad Wlassowsky, P.E., Assistant Director
Department of Transportation

Reviewed by:
Mohamed Alaoui, P.E., Division Manager
Great Streets Delivery Division

Reviewed by:
Sarah Fine, Acting Project Manager

2010 AUG 30 AM 11:02

RESOLUTION No. _____ C.M.S.

Introduced by Councilmember _____

RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR OR DESIGNEE TO: 1) APPLY FOR, ACCEPT \$80,000.00 IN PAVEMENT MANAGEMENT TECHNICAL ASSISTANCE PROGRAM (P-TAP) GRANT FUNDS FROM THE METROPOLITAN TRANSPORTATION COMMISSION; 2) ALLOCATE \$20,000.00 IN MATCHING FUNDS AND AN ADDITIONAL \$184,000.00 FOR ADDITIONAL PROFESSIONAL SERVICES; AND 3) ENTER INTO AN AGREEMENT WITH METROPOLITAN TRANSPORTATION COMMISSION TO PROVIDE ADDITIONAL PROFESSIONAL SERVICES IN AN AMOUNT NOT-TO-EXCEED \$184,000.00.

WHEREAS, the Moving Ahead for Progress Act for the 21st Century (MAP 21) (Public Law 112-141, July 6, 2012) and the Surface Transportation Program (23 U.S.C. § 133) provides funding for street improvements work; and

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

WHEREAS, pursuant to MAP 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 selected through a competitive process 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 allocation of \$20,000.00 in matching funds; and the City of Oakland requests to add \$184,000.00 in matching funds for additional professional services from an existing project; and 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 the sponsor must complete the

project by April 1, 2019; and

WHEREAS, the local funds of \$20,000.00 and \$184,000.000 are available in Measure B Funds (2211) in project 1000829, and

WHEREAS, the letter agreement for additional P-TAP 16 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 \$80,000.00 in Pavement Management Technical Assistance Program (P-TAP) Grant Funds from the Metropolitan Transportation Commission, allocate \$20,000.00 and an additional \$184,000.00 in matching funds, and enter into an agreement with the Metropolitan Transportation Commission to provide professional services in an amount not-to-exceed \$184,000.00; and be it

FURTHER RESOLVED: That the City Council authorizes the City of Oakland to allocate \$20,000.00 and an additional \$184,000.00 in matching funds from existing Measure B Funds in project 1000829; 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 professional services for an amount not-to-exceed \$184,000.00; and be it

FURTHER RESOLVED: That the Surface Transportation Program P-TAP funding for the project is fixed (\$100,000.00), that any cost increases must be funded by the City of Oakland from 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, CAMPBELL WASHINGTON, GALLO, GIBSON MCELHANEY, GUILLEN, KALB, KAPLAN, AND PRESIDENT REID

NOES -

ABSENT -

ABSTENTION -

ATTEST: _____
LaTonda Simmons
City Clerk and Clerk of the Council
of the City of Oakland, California