



DATE: July 9, 2019

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Adopt a Resolution Authorizing the City Manager to Execute Amendment No. 1 to Professional Services Agreement with Pavement Engineering, Inc., to Provide Engineering Services for the FY 20 Pavement Rehabilitation and Maintenance and the Winton Avenue Pavement Rehabilitation Projects

RECOMMENDATION

That Council adopts a resolution (Attachment II) authorizing the City Manager to execute Amendment No. 1 to the Professional Services Agreement (PSA) with Pavement Engineering, Inc., (PEI), in an amount of \$432,535, for a total amount not-to-exceed \$652,455.

SUMMARY

An Amendment No. 1 to the existing PEI PSA, dated June 13, 2018 (Attachment III), is needed to extend the scope of the Agreement by including engineering services for the upcoming FY 20 Pavement Rehabilitation and Preventive Maintenance Project, and the West Winton Avenue (Hesperian Boulevard to Santa Clara Street) Pavement Rehabilitation Project.

BACKGROUND

On May 22, 2018, Council authorized the City Manager to execute a Professional Services Agreement with PEI in an amount not-to-exceed \$219,920 for engineering services for the FY 19 Pavement Rehabilitation & Preventive Maintenance Project.

Staff is currently undertaking the street selection for the FY 20 Pavement Rehabilitation & Preventive Maintenance Project where Pavement Condition Index (PCI), location equity, usage, and the level of service are considered. Staff recommends PEI to provide the engineering services for analysis, design, and construction support for the project.

On March 6, 2019, the Metropolitan Transportation Commission (MTC) approved the City's application for the One Bay Area Grant 2 (OBAG 2) program for the design of the West Winton Avenue (Hesperian Boulevard to Santa Clara Street) Pavement Rehabilitation Project.

DISCUSSION

PEI will provide engineering services for the following two pavement projects:

1. The FY 20 Pavement Rehabilitation and Preventive Maintenance Project
2. The West Winton Avenue (Hesperian Boulevard to Santa Clara Street) Pavement Rehabilitation Project

MTC requires the West Winton Avenue project to be a stand-alone project that cannot be combined with the annual pavement project.

Amendment No. 1 to the existing PSA with PEI would allow continuation of engineering services for the FY 20 Pavement Rehabilitation and Preventive Maintenance Project and the West Winton Avenue (Hesperian Boulevard to Santa Clara Street) Pavement Rehabilitation Project.

PEI has extensive experience with City pavement management and rehabilitation projects including the following:

- FY 2019 Pavement Rehabilitation & Preventive Maintenance Project
- FY 2017 & FY 2018 Pavement Rehabilitation Project
- FY 2017 & FY 2018 Pavement Preventive Maintenance & Resurfacing Project
- FY 2016 Pavement Preventative Maintenance & Resurfacing Project
- FY 2016 Pavement Rehabilitation Project
- The Community Development Block Grant for Hayward Promise Neighborhood Street Improvement Project.

The scope of work (Attachment IV) for this Amendment No. 1 to PEI's Agreement consists of the following five tasks:

Task 1 - Street Investigation / Engineering Review:

PEI will visually evaluate the pavement condition of each of the proposed project streets. The review will confirm the appropriate pavement treatment for each street, such as pavement rehabilitation, preventive maintenance and resurfacing, among other options. This task will allow PEI to refine the project budgets and identify any specific problem areas.

Task 2 – Pavement Evaluation on Pavement Rehabilitation:

PEI will perform a pavement evaluation on each street segment to determine the most cost-effective rehabilitation treatments based on structure requirements, reflective cracking requirements, longevity, and economy.

Task 3 – Measurement of Field Quantities:

PEI will provide field site evaluations for each of the locations identified on the project streets list to measure and record all pertinent field quantities, such as location of crack sealing, dig-outs, and other pavement repairs.

Task 4 – Curb Ramp Design:

PEI will assist the City with curb ramp designs related to this project. This task involves designing ADA ramps in the field to provide limits of removal and quantities of work.

Task 5 – Construction Support / Mark Pavement Repairs:

After the project bids and before construction begins, PEI will mark all the pavement repairs in the field. PEI will annotate any changed quantities, and provide a revised quantity summary to the City at the completion of the field work.

ECONOMIC IMPACT

Both projects are funded by transportation specific funds budgeted within the City’s Capital Improvement Program. The West Winton Avenue (Hesperian Boulevard to Santa Clara Street) Pavement Rehabilitation Project will be reimbursed by the OBAG 2 grant fund.

FISCAL IMPACT

The estimated project funding sources are as follows:

FY 20 Pavement Rehabilitation and Preventive Maintenance Project:

210 – Gas Tax	\$1,100,000
211 – RRAA (SB1) (awarded amount to be announced in July 2019)	\$2,750,000
212 – Measure BB – Local Transportation	\$2,240,000
215 – Measure B – Local Transportation	\$2,050,000
218 – Vehicle Registration Fee	\$ 775,000
Project Total:	<u>\$8,915,000</u>

West Winton Avenue (Hesperian Boulevard to Santa Clara Street) Pavement Rehabilitation Project:

450 – Street Systems Improvements (reimbursed by OBAG 2)	Project Total: <u>\$1,978,000</u>
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Total Funding for Both Projects: \$10,893,000

STRATEGIC INITIATIVES

Both projects support the Complete Streets Strategic Initiative. The purpose of the Complete Streets Strategic Initiative is to build and maintain streets that are safe, comfortable, and

convenient for travel for everyone, regardless of age or ability; including motorists, pedestrians, bicyclists, and public transportation riders. Both projects support the following goal and objective:

Goal 1: Prioritize safety for all modes of travel.

Objective 3: Ensure that roadway construction and retrofit programs include complete streets elements. This project ensured that consideration was given to all users of the street, including pedestrians, bicyclists, transit users, senior citizens, and school children, in addition to vehicular traffic.

The projects are also consistent with City's Complete Streets Policy which improves travel for all users including:

- Improved pavement for motorists
- Additional bike lanes and sharrows for bicyclists
- More visible pavement markings for pedestrians, including near school zones
- New or upgraded curb ramps to meet the recently revised Caltrans standards for pedestrians

SUSTAINABILITY FEATURES

Both projects require the contractors to recycle all construction and demolition debris as a result of the projects.

The projects satisfy the following General Plan policies:

- PFS-7.10 Recycled Products or Processes for Capital Projects
- HQL-2.5 Safe Routes to School
- HQL-2.6 Education on Sharing the Road
- M-1.7 Eliminate Gaps (in pedestrian networks)
- M-3.1 Serving All Users
- M-5.1 Pedestrian Needs
- M-5.6 Safe Pedestrian Crossings
- M-6.2 Encourage Bicycle Use

PUBLIC CONTACT

Immediately after the construction contract is awarded, a preliminary notice explaining the project will be posted and distributed to all residents and businesses along the affected streets.

NEXT STEPS

FY20 Pavement Rehabilitation and Preventive Maintenance Project:

Fall 2019	Finalize street list
Early 2020	Approval of plans and specifications, call for bids, and bid opening
Spring 2020	Award of contract, and start construction
Summer 2020	Complete construction

West Winton Avenue (Hesperian Boulevard to Santa Clara Street) Pavement Rehabilitation Project:

Early 2020	Approval of plans and specifications, call for bids, and bid opening
Summer 2020	Award of contract, and start construction
Fall 2020	Complete construction

Prepared by: Kathy Garcia, Deputy Director of Public Works

Recommended by: Alex Ameri, Director of Public Works

Approved by:



Kelly McAdoo, City Manager