



DATE: June 1, 2021

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT Adopt a Resolution Authorizing the City Manager to Execute Amendment No. 3 to Increase the Professional Services Agreement with Pavement Engineering, Inc., for Engineering Services for the FY22 Pavement Improvement Project, in the Amount of \$347,965, for a Total Not-to-Exceed Contract Amount of \$1,362,670

RECOMMENDATION

That Council adopts a resolution (Attachment II) authorizing the City Manager to execute Amendment No. 3 to the Professional Services Agreement (PSA) with Pavement Engineering, Inc., (PEI), in the amount of \$347,965, for a total not-to-exceed contract amount of \$1,362,670 for engineering services.

SUMMARY

Under the existing PSA, PEI provides engineering services for City pavement projects. An Amendment No. 3 to the existing PEI PSA is needed to extend the scope of the Agreement to include engineering services for the upcoming FY22 Pavement Improvement Project (PIP).

BACKGROUND

On May 22, 2018¹, Council authorized the City Manager to execute a PSA with PEI in an amount not-to-exceed \$219,920 for engineering services for the FY19 Pavement Rehabilitation and Preventive Maintenance Project.

On July 9, 2019², Council authorized the City Manager to execute Amendment No. 1 to the PSA with PEI in an amount not-to-exceed \$652,455 for engineering services for the FY20 PIP.

On June 2, 2020³, Council authorized the City Manager to execute Amendment No. 2 to PSA with PEI in an amount not-to-exceed \$1,014,705 for engineering services for the FY21 PIP.

On May 4, 2021⁴, Council approved the project limits for the FY22 Road Repair and Accountability Act (RRAA) Funding for RRAA funds contribution to the FY22 PIP. This is part

¹ <https://hayward.legistar.com/LegislationDetail.aspx?ID=3508588&GUID=417E3DF1-452A-49F9-9DA5-4E9A2F6B4675&Options=&Search=>

² <https://hayward.legistar.com/LegislationDetail.aspx?ID=4056927&GUID=3AE9FAB4-B3D2-485F-8360-126E81AC20CD&Options=&Search=>

³ <https://hayward.legistar.com/LegislationDetail.aspx?ID=4548864&GUID=6506EE24-A2C3-455B-92E1-8A42B60887B1&Options=&Search=>

of a yearly application that must be submitted to the California Transportation Commission (CTC) to continue receiving RRAA funding, which must include approving a project list of street segments or defined regions of the City for the estimated revenue. For the FY22 RRAA funding, the project list includes the City neighborhoods within the limits of Tennyson Rd, Hesperian Blvd, Winton Ave, and I-880.

Staff is currently undertaking the street selection for the FY22 PIP where Pavement Condition Index (PCI), usage, the level of service, and location equity are considered. The project will include streets in poor condition with high number of resident requests in areas that have not received their fair share in the past in order to improve and increase equity in distribution of City services. Staff recommends PEI to provide the engineering services for analysis, design, and construction support for the project.

DISCUSSION

Amendment No. 3 to the existing PSA with PEI would allow continuation of engineering services for the FY22 PIP.

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

- FY21 Pavement Improvement Project
- FY20 Pavement Improvement Project
- 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 scope of work for this Amendment No. 3 to PEI's Agreement consists of the following five tasks:

Task 1 – Project Management/Coordination:

PEI will coordinate progress meetings to review work at 30% stage, 60% stage, and 90% stage. This task will allow PEI to manage the deliverables and overall project schedule in addition to ongoing communication with the City.

Task 2 - 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

⁴ <https://hayward.legistar.com/LegislationDetail.aspx?ID=4930432&GUID=0C5DEE9E-D5D9-45A2-91D3-38D2970DBD11&Options=&Search=>

other options. This task will allow PEI to refine the project budgets and identify any specific problem areas.

Task 3 – 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 4 – 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 5 – 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 6 – Construction Support / Mark Pavement Repairs:

After the project bids and before construction begins, PEI will mark all required 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.

PEI has provided a cost proposal of \$347,965 based on City staff's estimated construction cost of \$10,900,000 for the FY22 PIP. Staff evaluated the fee and determined that the cost proposal was reasonable given the amount of planned construction work.

ECONOMIC IMPACT

This project will economically benefit the City by decreasing motorist travel time via reduced potholes, increase curb appeal and the desirability of residential neighborhoods, and attracting business to the City.

FISCAL IMPACT

The project is funded by Gas Tax, Measure B, Measure BB, Vehicle Registration Fees, and State Road Repair and Accountability Act (SB1) as part of the annual PIP.

FY 2022 Pavement Improvement Project Funding Plan:

210 – Gas Tax	\$1,643,000
211 – RRAA (SB1) Estimate - (awarded amount to be announced in July 2021)	\$2,900,000

212 – Measure BB – Local Transportation	\$3,632,000
215 – Measure B – Local Transportation	\$1,500,000
218 – Vehicle Registration Fee	\$825,000
450 – Street Systems Improvement	<u>\$400,000</u>
Project Total:	\$10,900,000

There is no additional impact to the City’s General Fund Associated with this action.

STRATEGIC ROADMAP

This agenda item supports the Strategic Priority of Improve Infrastructure. Specifically, this item relates to the implementation of the following project(s):

- Project 5, Part 5.a: Maintain Pavement Condition Index (PCI) at 70.
- Project 5, Part 5c: Construct various OHHA Pavement Improvements

SUSTAINABILITY FEATURES

The project requires the contractor to recycle all construction and demolition debris generated from the project.

This project is consistent with City’s Complete Streets Policy and 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

The project satisfies 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. After the construction work has been scheduled, residents and businesses will be notified at least seventy-two hours prior to commencement of work.

NEXT STEPS

Begin design	June 2021
Complete design	December 2021
Approve project plans, specifications and call for bids	Winter 2022
Award of Contract	Spring 2022
Begin construction	Summer 2022
Complete construction	Fall 2022

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Recommended by: Alex Ameri, Director of Public Works

Approved by:



Kelly McAdoo, City Manager