



DATE: June 7, 2022

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT Adopt a Resolution Authorizing the City Manager to Execute Amendment No. 4 to the Professional Services Agreement with Pavement Engineering, Inc., Increasing the Agreement by \$392,825, to Provide Engineering Services for the FY23 Pavement Improvement Project for a Total Not-to-Exceed Amount of \$1,755,495

RECOMMENDATION

That Council adopts a resolution (Attachment II) authorizing the City Manager to execute Amendment No. 4 to the Professional Services Agreement (PSA) with Pavement Engineering, Inc., (PEI), increasing the Agreement by \$392,825, to provide engineering services for the FY23 Pavement Improvement Project (PIP) for a total amount not-to-exceed \$1,755,495.

SUMMARY

Under the existing PSA, PEI provides engineering services for City pavement projects. An Amendment No. 4 to the existing PSA dated June 1, 2021, is needed to extend the scope of the Agreement to include engineering services for the upcoming FY23 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 & 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 Pavement Improvement Project.

On June 16, 2020, Council authorized the City Manager to execute Amendment No. 2 to the PSA with PEI in an amount not-to-exceed \$1,014,705 for engineering services for the FY21 Pavement Improvement Project.

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=>

On June 11, 2021, Council authorized the City Manager to execute Amendment No. 3 to the PSA with PEI in an amount not-to-exceed \$1,362,670 for engineering services for the FY22 Pavement Improvement Project.

On April 26, 2022, Council approved the project limits for the FY23 Road Repair and Accountability Act (RRAA) Funding for the FY23 Pavement Improvement Project. This is a part of an annual 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 FY23 RRAA funding, the project list includes the City neighborhoods within the limits of Hesperian Blvd, A St, BART, Jackson St, Union Pacific Railroad, & West Winton Ave.

Staff is currently undertaking the street selection for the FY23 Pavement Improvement Project where Pavement Condition Index (PCI), location equity, public input, and funding availability are considered. Staff recommends PEI to provide the engineering services for analysis, design, and construction support for the project.

DISCUSSION

Amendment No. 4 to the existing PSA with PEI would allow continuation of engineering services for the FY23 Pavement Improvement Project.

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

- FY22 Pavement Improvement Project
- 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. 4 to PEI's Agreement consists of the following six tasks:

Task 1 – Project Management/Coordination:

PEI will manage deliverables and overall project schedule in addition to ongoing communication with the City of Hayward.

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

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 \$392,825 based on City staff's estimated construction cost of \$9,275,000.

ECONOMIC IMPACT

The project is funded by Gas Tax, Measure B, Measure BB, Vehicle Registration Fees, State Road Repair and Accountability Act (SB1), and Street System Improvement.

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 estimated project funding sources are as follows:

- | | |
|---|------------------|
| • 210 - Gas Tax | \$1,025,000 |
| • 211 – RRAA (SB1) | \$3,025,000 |
| • 212 - Measure BB – Local Transportation | \$3,775,000 |
| • 218 – Vehicle Registration Fee | \$925,000 |
| • 450 – Street System Improvements | <u>\$525,000</u> |
| Total: | \$9,275,000 |

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, signs on barricades will be posted seventy-two hours prior to commencement of work indicating the date and time of work for each street. Residents will be advised to park their vehicles on side streets outside of the work area during the period when the streets are being treated.

NEXT STEPS

June 2022	Begin design
December 2022	Complete design
Spring 2023	Approve project plans, specifications and call for bids
Summer 2023	Begin construction

Fall 2023

Complete construction

Prepared by: Yama Farouqi, Associate Civil Engineer
Kathy Garcia, Deputy Director of Public Works

Recommended by: Alex Ameri, Director of Public Works

Approved by:



Kelly McAdoo, City Manager