



DATE: April 25, 2023

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Adopt a Resolution Authorizing the City Manager to Execute Amendment No. 5 Increasing the Professional Services Agreement with Pavement Engineering, Inc., by \$517,540, for a Total Not-to-Exceed \$2,273,035 to Provide Engineering Services for the FY24 Pavement Improvement Project 05242

RECOMMENDATION

That Council adopts a resolution (Attachment II) authorizing the City Manager to execute Amendment No. 5 to the Professional Services Agreement (PSA) with Pavement Engineering, Inc., (PEI), in an amount of \$517,540, for a total amount not-to-exceed \$2,273,035.

SUMMARY

Under the existing PSA, PEI provides engineering services for City pavement projects. An Amendment to the existing PEI PSA, is needed to extend the scope of the Agreement to include engineering services for the upcoming FY24 Pavement Improvement Project.

BACKGROUND

On May 22, 2018¹, 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 FY19 Pavement Rehabilitation & Preventive Maintenance Project.

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

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 Pavement Improvement Project.

¹ [CITY OF HAYWARD - File #: CONS 18-326 \(legistar.com\)](#)

² [CITY OF HAYWARD - File #: CONS 19-487 \(legistar.com\)](#)

³ [CITY OF HAYWARD - File #: CONS 20-276 \(legistar.com\)](#)

On June 1, 2021⁴, Council authorized the City Manager to execute Amendment No. 3 to PSA with PEI in an amount not-to-exceed \$1,362,670 for engineering services for the FY22 Pavement Improvement Project.

On June 7, 2022⁵, Council authorized the City Manager to execute Amendment No. 4 to PSA with PEI in an amount not-to-exceed \$1,755,495 for engineering services for the FY23 Pavement Improvement Project.

Staff is currently undertaking the street selection for the FY24 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. 5 to the existing PSA with PEI would allow continuation of engineering services for the FY24 Pavement Improvement Project.

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

- FY23 Pavement Improvement Project
- 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

The scope of work for this Amendment No. 5 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.

⁴ [CITY OF HAYWARD - File #: CONS 21-293 \(legistar.com\)](#)

⁵ [CITY OF HAYWARD - File #: CONS 22-331 \(legistar.com\)](#)

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 \$517,540 based on City staff’s estimated construction cost of \$13,500,000.

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	\$50,000
• 211 – RRAA (SB1)	\$4,000,000
• 212 - Measure BB – Local Transportation	\$6,550,000
• 218 – Vehicle Registration Fee	\$900,000
• 450 – Street System Improvements	\$1,500,000
• 406 – Measure C	<u>2,000,000</u>
Total:	\$15,000,000

Approximately \$198,000 in unspent funds from FY22 PIP Project 05239 has been transferred to FY24 PIP Project 05242 to support PEI's services through the end of the Fiscal Year. The remaining funds required to support PEI's services and other project costs are included in the Recommended FY24 Capital Improvement Program, which will be brought before the City Council for consideration at the May 16 Work Session, and again during the Public Hearing and Adoption, tentatively scheduled for June 6.

STRATEGIC ROADMAP

This agenda item supports the Strategic Priority of Invest in 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

Spring 2023	Begin design
Summer 2023	Complete design
Fall 2023	Call for bids & call for bids
Spring 2024	Begin construction
Fall 2024	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