



MEMO TO: Planning and Public Works Committee

FROM: Steve Gibbs, P.E., Construction Engineering Supervisor

DATE: September 11, 2018

SUBJECT: Advance construction funding for Fire Station 16 & Maintenance Facility Seismic upgrades and the 187th Avenue NE Pavement Reconstruction

I. PURPOSE ☐ For Info Only ☐ Potential Agenda Item ☒ Scheduled for Council Action

II. RECOMMENDATION

City Council approve \$270,000 in advance funding for the referenced projects ahead of the upcoming 2019-2024 CIP process to take advantage of efficiencies in partnering with other similar projects and to accelerate implementation of these high priority improvements.

III. DEPARTMENT CONTACTS

Martin Pastucha., Director of Public Works	425-556-2733
Jon Spangler, P.E., Construction Division Manager	425-556-2823
Steve Gibbs, P.E., Construction Engineering Supervisor	425-556-2729

IV. DESCRIPTION/BACKGROUND

During the Director's team discussions on the 2019-2024 CIP, the two referenced projects were identified as high priority for the community and organization.

The 187th Ave NE project was initially part of the 2018 pavement repair project but, was removed since the roadway is in such poor condition that a larger reconstruction effort is warranted. The need for seismic upgrades for Fire Station 16 were identified through the citywide facilities analysis.

187th Ave NE Pavement Reconstruction project is from East Lake Sammamish Parkway to SR 202. This pavement section has seen increased heavy truck volumes the past two years and the road section is failing rapidly. Some overlay work was performed in 2017 which is already beginning to fail. The correct repair is to rehabilitate the entire roadway section by establishing a new crushed rock base and thicker asphalt section that can handle the heavy truck loads. Minor drainage items will also be addressed in the project.

Fire Station 16 & maintenance facility require seismic upgrades to both buildings to insure both facilities are operational after a significant seismic event. This may include some re-working of utilities and restoration inside and out of the structures.

As staff was looking at our ambitious CIP project list the only way to accomplish this work in a timely and fiscally responsible manner was to combine projects of similar scope or a similar location and gain some economies of scale.

A. Analysis (Please include process to-date and any service delivery or fiscal considerations.)

There is an opportunity to accelerate both projects and realize greater efficiencies by combining or at least coordinating each with other similar projects currently in process. Advanced funding (~10% of each proposed project budget) would allow design work to start before the end of the year to provide the opportunity to catch up with the other related projects realizing efficiencies and so that the facilities could be upgraded/repaired much sooner.

On the 187th Ave NE pavement rehabilitation, the pavement condition is extremely poor and it is highly doubtful that this pavement section will make it through another winter season. By advancing the design funding now, staff will be able to start the design process in time to construct the project in the summer of 2019 and complete the pavement work and necessary striping prior to the October 1st close of the paving and striping season in 2019.

On Fire Station 16 with the maintenance facility, with approval of design funds now funding, staff can secure consultant services now and the design can “catch-up” with the design work currently underway for Fire stations 14 and 18. This will be more efficient for staff with a larger construction project that will attract more bidders, providing more competitive bids.

187th Ave NE Estimated Project Costs:

Design Phase	\$98,750
Right-of-Way	\$0
Construction Phase	<u>\$1,300,875</u>
Total Estimated Project Cost	\$1,399,625
Advanced funding (~10%)	\$140,000

FS 16 and Maintenance Estimated Project Costs:

Design Phase	\$302,000
Right-of-Way	\$0
Construction Phase	<u>\$1,026,000</u>
Total Estimated Project Cost	\$1,328,000
Advanced funding (~10%)	\$130,000

V. TIME CONSTRAINTS

With approval of advanced funding the tentative project schedules are:

187th Ave NE Pavement Reconstruction

Design - September 2018 – April 2019

Construction - May 2019 – September/October 2019

FS 16 and maintenance facility

Design - September 2018 – April 2019

Construction - May/June 2019 – November/December 2019

VI. LIST OF ATTACHMENTS