



CITY OF KIRKLAND

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MEMORANDUM

To: Kurt Triplett, City Manager

From: Marius Eugenio Jr., P.E., Project Engineer
Rod Steitzer, P.E., Capital Projects Manager
Julie Underwood, Director of Public Works

Date: November 25, 2020

Subject: NE 124th STREET/113th AVENUE NE PEDESTRIAN SAFETY ENHANCEMENTS—
AWARD CONTRACT

RECOMMENDATION:

Staff recommends that the City Council award a construction contract to RW Scott Construction, of Auburn, Washington, in the amount of \$69,773.10 to improve the safety of a signalized intersection.

By taking action on this item during approval of the consent calendar, the City Council is awarding a construction contract for the subject project.

BACKGROUND DISCUSSION:

The intersection of NE 124th Street and 113th Avenue NE, in the area of 5 Guys Burgers & Fries and the Courtyard by Marriot, has a history of vehicle/pedestrian conflicts (see Attachment A, Vicinity Map and [Project website](#)). Presently, the signal allows permissive left turn vehicular movements; northbound-to-westbound and southbound-to-eastbound drivers see a green light but are supposed to yield to oncoming vehicles and crosswalk users before making a left turn. At the same time, pedestrians have northbound and southbound crosswalk signals.

Although the current signal light sequence is legal, the NE 124th Street/113th Avenue NE Pedestrian Safety Enhancements (Project) will provide a significant safety improvement. The Project will replace the permissive left signal with a protected left signal, thereby keeping left-turning vehicles stopped while time is allowed for crosswalk users to cross NE 124th Street. Elements of the project include replacing signal heads, adjusting signal timing and phase changes, and restriping the crosswalk.

Bidding and Projected Expenses

In accordance with requirements that accompany the federal grant this Project received, at its October 6, 2020 meeting the Council authorized staff to advertise for bids. The Project was advertised for bids on October 7, 14, and 21, 2020. On October 28, six bids were received:

Contractor	Bid Amount
RW Scott Construction	\$69,773.10
Road Construction Northwest	\$85,095.70
Kamins Construction	\$85,235.90
<i>Engineer's Estimate</i>	<i>\$90,000.00</i>
Totem Electric	\$93,316.86
Transportation Systems	\$103,862.00
Norhtwest Cascade	\$104,104.00

The engineer's estimate was \$90,000.00 and the lowest responsible bid received was from RW Scott Construction. Its bid was about \$20,000 less than the engineer's estimate. Staff has determined the low bid contractor meets all bidder criteria for a public works contract, and reference checks have been completed with satisfactory results.

Budget

The project is funded by a combination of federal and City funds as shown in Table 1, below. Construction expenses for the Project were reduced significantly during the design process. It was determined that the safety improvements could be implemented using existing signal equipment, thereby eliminating the need for new poles, mast arms, roadway trenching, and other construction activities. These design decisions reduced the estimated construction costs by \$531,000 and, because it requires a shorter construction time, has reduced projected costs for project management and inspection, which results in a significant reduction in estimated Project expenses. Although the overall estimated Project cost has been reduced, there is a significant percentage of soft cost (i.e., costs other than construction). The main reasons are that there were expenses to evaluate and design the improvement, and the Project still will require a significant amount of construction management to document the use of the federal funding carefully and as required. The total cost of the project, including a \$38,000 contingency, is estimated to be \$370,000.

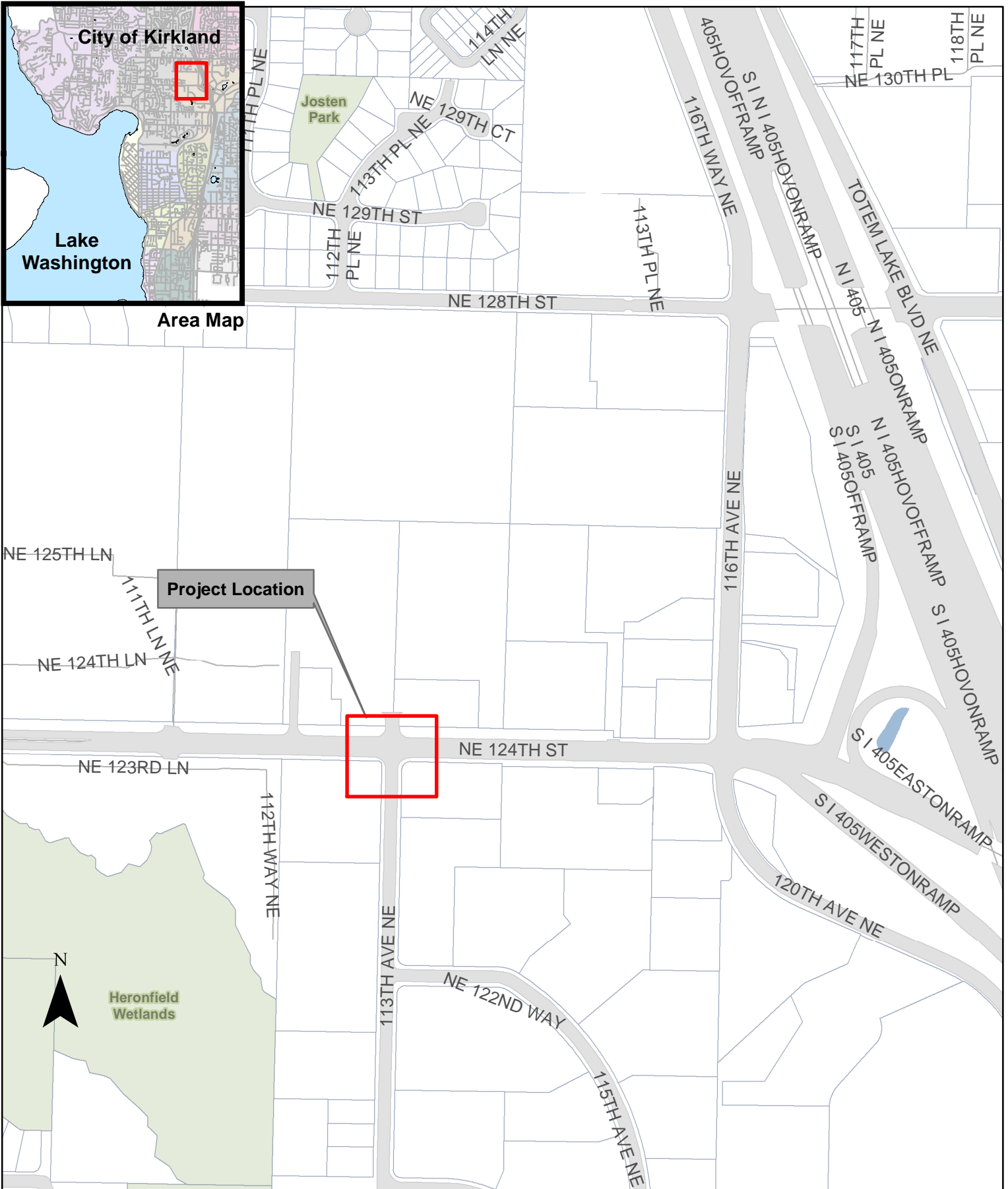
Table 1: Funding and Projected Expenses

Federal Grant	\$354,000.00
City Funding (REET 2)	\$16,000.00
Total Funds	\$370,000.00
Construction	(\$69,773.10)
Design, Inspection, etc.	(\$262,000.00)
Contingency	(\$38,226.90)
Total Projected Expenses	(\$370,000.00)
Balance	-zero-

Construction Phase

The Project has a specified twenty working-day construction schedule. Were the Council to award this contract at its December 8 meeting, work is anticipated to begin in January 2021, with substantial completion expected by Spring of 2021. In advance of construction, staff will send a construction informational mailer directly to nearby residents and businesses providing construction timelines and pertinent contact information. Project information also will be updated and maintained on the [Project website](#).

Attachment A: Vicinity Map with Area Map Inset
This is project NMC0120200



Vicinity Map
NE 124th Street and 113th Avenue NE
Crosswalk Upgrade