



CITY OF KIRKLAND
Department of Public Works
123 Fifth Avenue, Kirkland, WA 98033 425.587.3800
www.kirklandwa.gov

MEMORANDUM

To: Kurt Triplett, City Manager

From: George Minassian, P.E., Capital Projects Supervisor
Rod Steitzer, P.E., Capital Projects Manager
Julie Underwood, Director of Public Works

Date: June 3, 2021

Subject: ANNUAL STREET PRESERVATION PROGRAM—2021 OVERLAY—AWARD CONTRACT

RECOMMENDATION:

It is recommended that the City Council awards a construction contract for the Annual Street Preservation Program (SPP), 2021 Phase I Street Overlay Project, to Watson Asphalt of Redmond, Washington, in the amount of \$1,164,697.70.

By taking action on this item under the Consent Calendar, the City Council is awarding a construction contract for the subject project.

BACKGROUND DISCUSSION:

The City uses a Pavement Management System (PMS) to manage and prioritize preservation treatments throughout the City's street network and parking lots. The PMS considers all City streets in terms of existing pavement conditions (Pavement Condition Index, or PCI), prior maintenance history, the City's annual budget for street preservation, and other factors to determine the most cost-effective treatment. Once selected for treatment, candidate streets then are reviewed for potential conflicts with other construction projects (e.g., other CIP projects, private development, Washington State Department of Transportation projects, and private utility work). High priority street segments that do not have construction conflicts are added to the current year's program list. For the 2021 Street Overlay Project, the highest-ranking streets will receive subgrade preparation and repair, pavement milling, and the application of a new wearing surface layer of asphalt.

This year, the Annual Street Preservation Program consists of two phases: the 2021 Street Overlay Project (this item) is Phase I. The Phase II component is the 2021 Slurry Seal Project (a separate agenda item). The awards for both Phase I and Phase II are recommended for approval at the June 15 Council meeting.

For the past few years, there has been a third phase for constructing concrete curbing, ADA ramps, and sidewalk repairs in the planned overlay work zones. But this year the concrete work needed for 2021 was included in the scope for Phase I.

This year's Phase I project includes three streets: 124th Avenue NE from NE 108th Place to NE 115th Street (an arterial street), 112th Avenue NE from NE 87th Street to NE 97th Street (a collector), and 125th Avenue NE from NE 132nd Street to the cul-de-sac at the end of the street to the north (a residential street). 125th Avenue NE is the first residential roadway section to be resurfaced as part of the street preservation program to implement the Council's direction to start a pilot paving program for residential streets. Staff will review the results of the 125th Avenue NE project to inform future residential street initiatives. In preparation for resurfacing this street section, the CIP design team coordinated with City crews to install a new curb bulb to preserve a significant tree along 125th Avenue NE. This year's Phase I was bid with four schedules: three for the road segments identified above for a total of 3.2 lane miles; and a fourth schedule for items common to the other three schedules such as traffic control, erosion control, and other shared items (see Attachment A, Vicinity and Area Map).

With an engineer's estimate of \$1,434,523.50 for construction of all schedules, the Project was first advertised on May 7, 2021. Five bids were received on May 21, 2021, with Watson Asphalt Paving Co., Inc., being the lowest responsible bidder. The bid results were as follows:

Table 1: 2021 Street Overlay Bid Results

Contractor	Total Bid
Watson Asphalt	\$1,164,697.70
Cadman Materials, Inc.	\$1,180,588.12
Lakeside Industries	\$1,334,635.45
JB Asphalt	\$1,379,960.30
Central Asphalt	\$1,435,729.58
<i>Engineer's Estimate</i>	<i>\$1,437,523.50</i>

Staff checked references for Watson Asphalt and they came out very satisfactory. Based on recent bids received by the City and neighboring agencies, market prices for public works projects have been high. Because the SPP 2021 Street Overlay Project is mostly paving work, staff developed the contract documents with an asphalt cost pricing adjustment bid item. The adjustment factor lowered bidder pricing risk, which removed uncertainty in future asphalt pricing, and resulted in all bidders submitting a price lower than the engineer's estimate.

Funding

The 2021 Street Preservation Project has a base budget of \$950,000 plus a Street Levy contribution of \$1,683,000, for a total CIP Budget of \$2,633,000. The 2021 SPP budget and anticipated expenses are shown in Table 2 below:

Table 2: 2021 Street Preservation (Overlay) Funding and Expenses

Items	Funding
2021 Adopted CIP (2021-2026)	\$950,000
2021 Street Preservation Prop 1 Levy	\$1,683,000
Total Project Funding	\$2,633,000
	Estimated Expenses
Design/CM/In-House/Testing	(\$675,000)
2021 Street Overlay Project (this agenda item)	(\$1,169,000)
2021 Slurry Seal Project (separate agenda item)	(\$335,335)
Total Anticipated Expenses	(\$2,179,335)
Contingency for both overlay and slurry seal (17%)	(\$453,665)
Balance If All Contingency Required	-0-

Based on the bids received and the budget available, staff recommends awarding the project to Watson Asphalt.

Were the Council to approve the of award of this construction contract at its June 15 meeting, staff will begin the pre-construction public outreach process by notifying adjacent property owners with an informational mailer describing the Annual Street Preservation Program. This information, along with a regularly updated construction schedule, will also be posted on the [City's website](#). Construction notice signs will be installed on higher volume streets in advance of the overlay. Door hangers describing the work will also be distributed to all adjacent homes and businesses at least 24 hours prior to construction. The overlay is scheduled to begin in mid-July.

Attachment A: Vicinity and Area Map

