



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 SLURRY SEAL—AWARD CONTRACT

RECOMMENDATION:

It is recommended that the City Council awards a construction contract for the Annual Street Preservation Program (SPP)—2021 Slurry Seal project, to Intermountain Slurry Seal, Inc., of Reno, Nevada, in the amount of \$335,335.00.

By taking action on this staff report during approval of the consent calendar, the City Council is authorizing the award of a construction contract for the 2021 Slurry Seal Project.

BACKGROUND DISCUSSION:

The City uses a Pavement Management System to manage and prioritize pavement preservation treatments throughout the City's street network and parking lots. The Pavement Management System considers all City streets in terms of existing pavement conditions index (PCI), prior maintenance histories, the City's annual budget for street preservation, and other factors to determine the most cost-effective preservation treatment and maintain a high-quality pavement surfaces. Once selected for treatment, candidate streets then are reviewed for potential conflicts with other construction projects (i.e., other CIP projects, private development, WSDOT, and PSE, etc.) and typically are clustered into manageable areas before making it onto the current year's program list (see Attachment A, Vicinity and Area Map).

This year, the SPP consists of two phases. Phase I is the 2021 Street Overlay Project (a separate agenda item) and Phase II is the 2021 Slurry Seal Project (this agenda item). As an effective preventative maintenance tool for the City's overall Street Preservation Program, slurry seal is a thin layer of liquid asphalt that has been mixed with a fine aggregate (i.e., sand) to create a slurry that is applied to certain Kirkland streets. Typically, this slurry seal treatment is placed on low-volume residential streets where light to moderate surface wear is occurring. Slurry seal is a versatile and cost-effective way to extend the life of a residential street where there is no significant structural damage to the pavement section. It protects the asphalt surface from the effects of aging while improving the existing PCI.

For 2021, the highest-ranking streets were bid for a total of 12.4 lane miles, in North and South Rose Hill, Everest, Moss Bay and Central Houghton. On May 21, with an engineer's estimate of \$431,993.00 for this Phase of work, the following two bids were received:

Table 1: 2021 Slurry Seal Bid Results

Contractor	Total of All Schedules
Intermountain Slurry Seal	\$335,335.00
VSS International	\$357,325.00
<i>Engineer's Estimate</i>	<i>\$431,993.00</i>

The low bid is \$2.30 per square yard (SY) while the average cost of all bids received is \$2.40/SY. By comparison, the average unit prices for all bids received in 2019 resulted in a cost of \$3.22/SY. Based on recent bids received by Kirkland and neighboring agencies, market prices for public works projects have been high. However, the out-of-state low bid contractor has adjusted its pricing based on its volume of work in the Puget Sound region. This potential project cost savings is due to Kirkland's project schedule aligning favorably with an opening between the contractor's other awarded work in the Puget Sound area (i.e., the City is able to capitalize on the contractor's desire to ensure his team had work lined up without gaps or downtime). As a result of the competitive bid price received, there is sufficient budget to award the contract and establish a better than average contingency.

Phase I overlay construction is scheduled to begin in mid-July. As is common for the Phase II slurry seal work, construction is performed in the warmer and drier months of late July and August.

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:

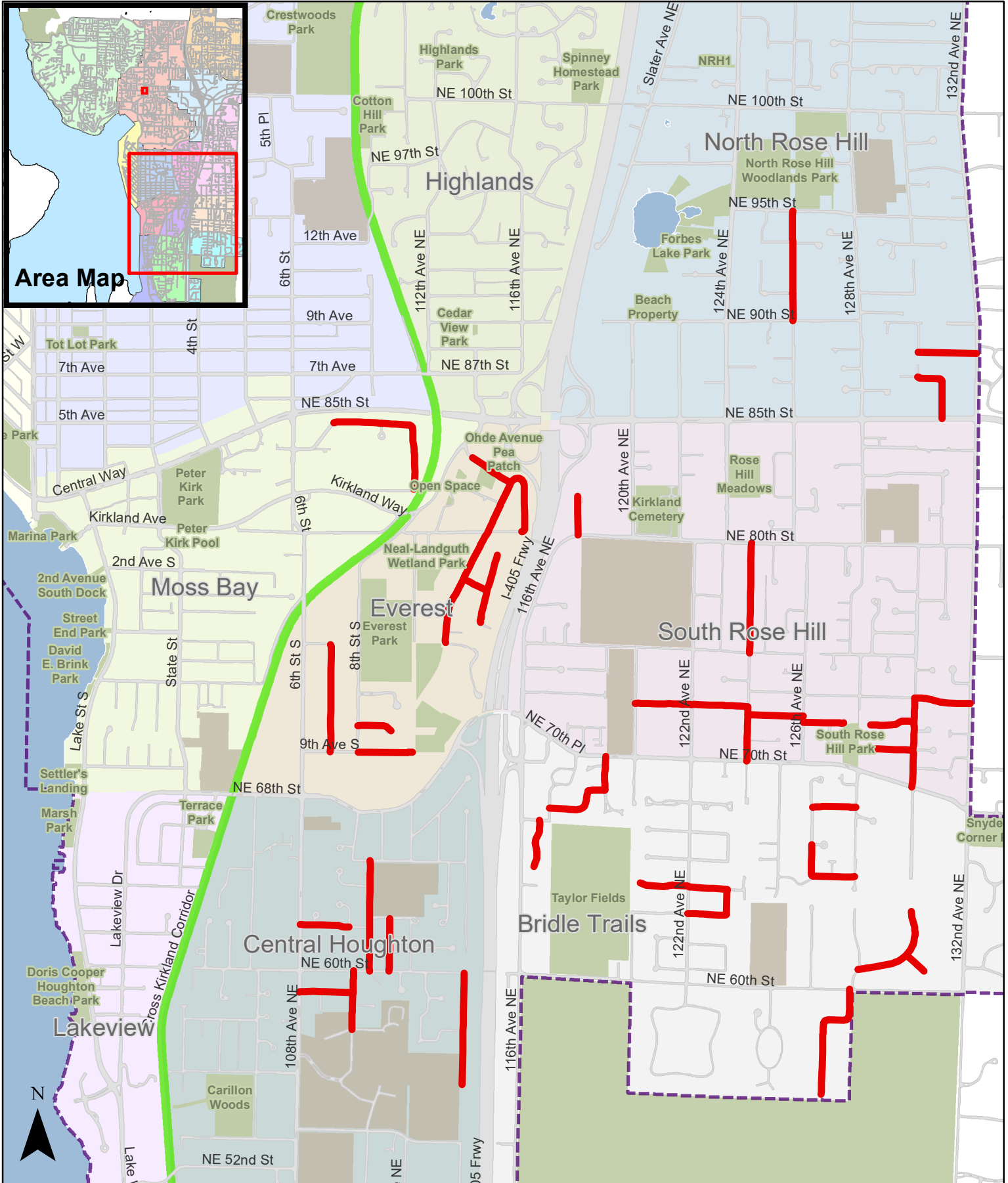
Table 2: 2021 Street Preservation (Slurry Seal) Funding and Expenses

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 (separate agenda item)	(\$1,169,000)
2021 Slurry Seal Project (this agenda item)	(\$335,335)
Total Anticipated Expenses	(\$2,179,335)
Contingency for both slurry seal and overlay (17%)	(\$453,665)
Balance If All Contingency Required	-0-

Staff will continue efforts on public outreach activities related to both phases of the 2021 SPP. For slurry seal work, public outreach was enhanced significantly as a result of the slurry seal focus group activities conducted in November 2013. As begun in 2014 and continuing into this year, Public Works staff is providing a series of Project Updates—as well as the eight-page slurry seal primer—to property owners living along the planned slurry seal routes (see Attachment B, draft “Project Update,” August 2021). These documents describe the City’s Street Preservation Program together with important facts on the slurry seal treatment. The information in these documents, as well as regular schedule updates will also be incorporated into the [CIP Project information](#) on the City’s website. In addition, door hanger notices will be distributed to all adjacent homes and businesses at least 24 hours prior to application.

As mentioned above, slurry seal is extremely weather and temperature dependent. Were the Council to award this contract at its June 15 meeting, the work will start near the beginning of August and be substantially complete by mid-September. In advance of the contractor’s work, City street crews will be sealing cracks and repairing damaged sections of pavement to prepare the streets for the slurry seal application.

Attachment A: Vicinity and Area Map
Attachment B: Draft “Project Update,” August 2021



August
2021

PROJECT UPDATE



CARING FOR YOUR INFRASTRUCTURE TO KEEP KIRKLAND HEALTHY, SAFE AND VIBRANT

City to add life to local streets with slurry seal

Process requires full closures of selected neighborhood streets

WHAT: A City of Kirkland contractor plans in XXXXXX to slurry seal more than two dozen residential street sections in the Bridle Trails and Rose Hill neighborhoods.

Crews will close each residential street for eight hours between 7 a.m. and 6 p.m. while they apply the thin layer of emulsified asphalt, water and fine gravel to the street and while it cures.

Slurry seal prolongs the optimum life of a street by five to eight years.

WHEN: The contractor's crews will work from 7 a.m. to 6 p.m., Monday through Friday, starting as early as xxxxxxxxxx.

WHAT TO EXPECT: Residents will receive a daily slurry seal schedule one to two weeks in advance.

■ Residents may need to trim landscaping that is within the City of Kirkland's right-of-way.

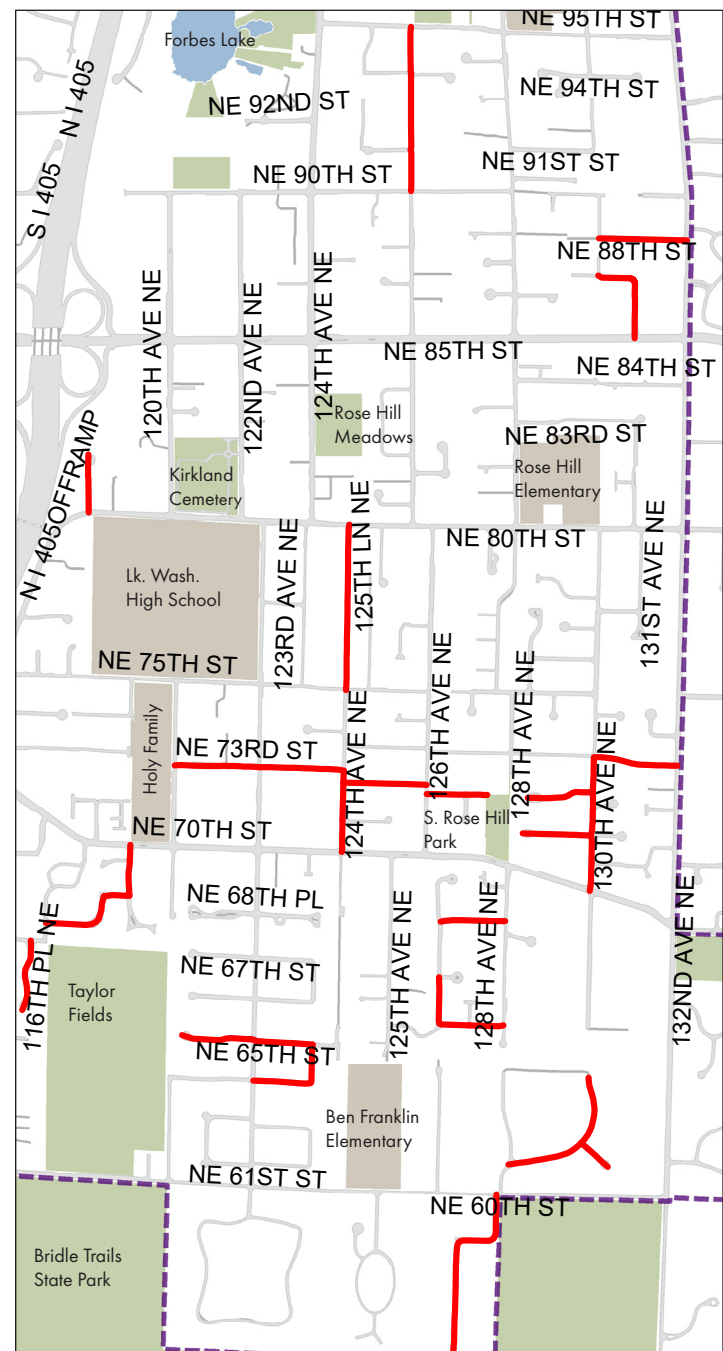
■ The contractor will tow—at the owner's expense—any cars that prevent its crews from applying slurry seal to the street.

■ Residents must stay off slurry sealed streets—no parking, driving, walking or watering the lawn—until the road is open again.

■ Streets will initially be very rough, but will smooth out over time.

VISIT: www.kirklandwa.gov/slurryseal

CONTACT: Senior Project Engineer George Minassian, (425) 587-3829, gminassian@kirklandwa.gov; or Outreach Coordinator Christian Knight, cknight@kirklandwa.gov, (425) 587-3831.



Streets highlighted in red will receive slurry seal in 2021.

People with disabilities may request materials in alternate formats. Kirkland's policy is to fully comply with Title VI of the Civil Rights Act by prohibiting discrimination against any person on the basis of race, color,

national origin or sex in the provision of benefits and services resulting from its programs and activities. Any person who believes his/her Title VI protection has been violated, may file a complaint with the City. To request an alternate format, file a complaint or for questions about Kirkland's Title VI Program, contact the Title VI Coordinator at 425.587.3831 (TTY Relay: 711) or titleviordinator@kirklandwa.gov.

What focus groups said about slurry seal

City staff asked residents in 2013 for their thoughts on slurry seal. Here's what they said:

I thought it would be a pain ... because of parking ... It was just inconvenient. After I saw it, though, it was worth it.

—Diane, Bridle Trails
Received slurry seal in 2012

It took several months to clean up that aggregate. Now it's smoothed out. It's been nine months. It's still rough.

—Grant, Kingsgate
Received slurry seal in 2012

My kids bike up and down the road. It's not as comfortable now.

—Mary Ann, Bridle Trails
Received slurry seal in 2012

There was some stuff on the road and loose areas. But I thought it was fine.

—Lynda, Finn Hill
Received slurry seal in 2013



City of Kirkland
Public Works Department
123 Fifth Avenue
Kirkland, WA 98033-6189

道路封闭

如需此文件中信息的简体中文版本，请发送电子邮件至 titlevicoordinator@kirklandwa.gov 或拨打 (425) 587-3831 联络 Title VI 协调员。

Закрытие дорог для движения

Чтобы запросить перевод этого документа на по-русски, свяжитесь с координатором по вопросам Раздела VI по электронной почте titlevicoordinator@kirklandwa.gov или по номеру (425) 587-3831.

Carretera cerrada

Para pedir información sobre este documento en español, comuníquese con el coordinador del Título VI escribiendo a titlevicoordinator@kirklandwa.gov o llamando al (425) 587-3831.

Encerramento da estrada

Para solicitar informações deste documento em português, entre em contato com o Coordenador do Título VI em titlevicoordinator@kirklandwa.gov ou (425) 587-3831.

Sealed roads smooth out with time, traffic & sweepings

One week later ...

Seven months later ...

One year later ...



Street: 91st Court Northeast
Sealed: Aug. 30, 2016
Photo: Sept. 8, 2016



Street: 91st Court Northeast
Sealed: Aug. 30, 2016
Photo: April 3, 2017



Street: Northeast 131st Place
Sealed: Aug. 3, 2015
Photo: Sept. 8, 2016