



CITY OF KIRKLAND
Department of Public Works
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MEMORANDUM

To: Kurt Triplett, City Manager

From: George Minassian, P.E., Sr. Project Engineer
Dave Snider, P.E., Capital Projects Manager
Kathy Brown, Public Works Director

Date: April 25, 2019

Subject: 2018 ANNUAL STREET PRESERVATION PROGRAM:
PHASE II, STREET OVERLAY PROJECT (STC0060019)—ACCEPT WORK

RECOMMENDATION:

City Council to:

- Accept the work for the 2018 Annual Street Preservation Program—Phase II Street Overlay Project, as completed by Lakeside Industries of Issaquah, Washington, thereby establishing the statutory lien period; and
- Authorize the transfer of the final remaining surplus funding from the 2018 Street Preservation Program funds to the 2019 Street Preservation Program.

By taking action on this memo during approval of the consent calendar, the City Council is accepting the contract work completed for the 2018 Phase II Street Overlay Project and authorizing the use of remaining funds for the 2019 Street Preservation Program.

BACKGROUND DISCUSSION:

The Annual Street Preservation Program is accomplished through three separate construction contracts, each representing a different phase and scope intended to maximize work and minimize costs. The three phases are:

- Phase I: Curb, Ramp, and Concrete Repairs Project—this work in the 2018 program was accepted by City Council at its January 2, 2019 meeting;
- Phase II: Street Overlay Project—this work for the 2018 program is requested to be accepted by City Council in this memo; and
- Phase III: Slurry Seal Resurfacing Project—this work in the 2018 program was accepted by City Council at its February 19, 2019 meeting.

This phased approach allows the concrete work to happen earlier in the year, which then is followed by the two subsequent phases during the summer construction season. Each type of work—concrete, asphalt, and slurry—is a specialty. By dividing the work this way, contractors can bid on their construction specialties. This has proven successful for cost savings to the City because of the elimination of added general contractor costs for sub-contractor mark-ups.

Acceptance of Phase II Street Overlay Project:

This agenda item is seeking the City Council's acceptance of the work performed for the 2018 Phase II Street Overlay Project (hereafter referred to as the 2018 Overlay Project), which is the final element of the 2018 Street Preservation Program.

The 2018 Overlay Project included subgrade preparation and repair, asphalt grinding, and the application of new surface-layer asphalt totaling approximately 5.6 lane miles at five locations (see Attachment A, "Vicinity Map").

At its June 19, 2018 meeting, the City Council awarded the 2018 Overlay Project to Lakeside Industries in the amount of \$1,696,199.35. Construction began on July 23, 2018, paving continued until September 21, and the work was physically complete on January 23, 2019.

2018 Street Preservation Program Expenditures and Recommended Transfer of Remaining Funds:

The 2018 Street Preservation Program had a total budget of \$5,192,872 for all three Phases. As has been the City's practice, a portion of the budget was used to fund pavement preservation work associated with other City capital improvement projects. As appropriate, interfund transfers were made to the Street Preservation Program for pavement-related expenses on utility projects. The schedule of the other capital projects is coordinated with the Street Preservation Program's schedule so that the City realizes economies of scale by having multiple paving locations done by the same contractor.

On an exception basis, when extensive roadway base repair is required, and/or complex coordination is needed with multiple public and private projects, a single site might be contracted separately for overlay work. An example is 6th Street South, which will be done this year on a separate contract, and not as part of the City's 2018 Overlay Project. Although done under separate contract, these site-specific projects are budgeted using Street Preservation Program funding, as explained below.

Funding for the entire 2018 Street Preservation Program comes primarily from a share of the Street Levy, General Fund revenues, and CIP-related interfund transfers. There also was a \$50,972 balance from the 2017 Street Preservation Program that was carried forward into the 2018 Program.

As mentioned above, there are some circumstances that warrant separate paving projects to be performed outside of the annual Phase II Asphalt Street Overlay Project. Of the total 2018 Street Preservation Program budget, the City Council approved \$1,690,000 for paving work associated with three separate 2018 CIP projects (see lines 4, 5, and 6 in Table 1 on the following page). This left \$3,502,872 for the 2018 Street Preservation Program.

Table 1: 2018 Street Preservation Program (Total Funding Less Other CIP Projects)

Funding Sources	Amount
1. Adopted 2017-2022 CIP	
Proposition 1 Street Levy	\$2,698,300
General Fund	\$1,936,600
2. Interfund Transfers for Paving Work	\$507,000
3. 2017 Annual Program Carry-forward	\$50,972
Total Funding	\$5,192,872
Encumbrances for Paving Associated with Other Capital Projects	
4. Lake Front Ped. & Bike: NM 89 (Council approved 5/15/18 & 8/6/18)	(\$1,205,000)
5. 6 th Street Intersections: TR 65/TR 115 (Council approved 2/20/18)	(\$205,000)
6. 6 th Street South Rehabilitation Design (Council approved 6/19/18)	(\$280,000)
Amount Remaining for All Phases of the 2018 Street Preservation Program	\$3,502,872¹

Against this 2018 Street Preservation Program budget of \$3,502,872, expenses to date have totaled \$3,135,726², leaving a balance of approximately \$367,146 (10.5%). Savings were realized in all program phases and major budget categories, though equipment issues with the slurry seal contractor (Phase III) means that segments that were not able to be completed in 2018 have been added to the scope of work for the 2019 slurry seal project.

Expenses for the 2018 Overlay Project were \$163,531 less than the contractor's bid, primarily attributable to actual material quantities being less than projected.

Table 2: 2018 Street Preservation Program—Independent of Other CIP Projects

Item	Funding	Expense	Balance
Phase I: Curbs, Ramps, Concrete Repairs	\$858,394	(\$802,342)	\$56,052
Phase II: 2018 Overlay Project (to be accepted via this agenda item)	\$1,696,199	(\$1,532,668)	\$163,531
Phase III: Slurry Seals	\$304,304	(\$218,084)	\$86,220
Engineering, Inspection, Administration to Date	\$628,670	(\$582,632)	\$46,038
Contingency	\$15,305		\$15,305
Total Funding	\$3,502,872		
Total Expenses to Date		(\$3,135,726)	
Balance at Present			\$367,146

At this point, all major expenses for the 2018 Street Preservation Program are known and finalized, leaving a balance at present of \$367,146. There is a small handful of close-out tasks remaining that should total less than \$1,000, which would reduce the final balance by that actual amount.

Staff recommends that the final balance be transferred to the 2019 Street Preservation Program. (See Attachment B, "Project Budget Report.")

Attachment A: Vicinity Map
 Attachment B: Project Budget Report








¹ See Table 2 Funding

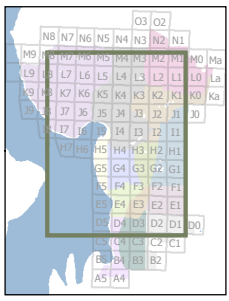
² Minor close-out tasks remain to be accomplished, which should total less than \$1,000.

Attachment A

Schedule B
90th Ave NE

**Schedule A:
Bid Items
Common to
All Schedules**

-  2018 Overlay Streets
-  6th St S Design
-  Parks / Open Spaces
-  Schools
-  Cross Kirkland Corridor
-  Regional Rail Corridor
-  City Limits



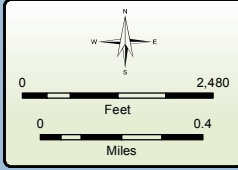
Schedule C
5th St/6th St

Schedule D
NE 80th St/116th Ave NE

Schedule E
2nd St S/3rd Ave S

6th St S Design

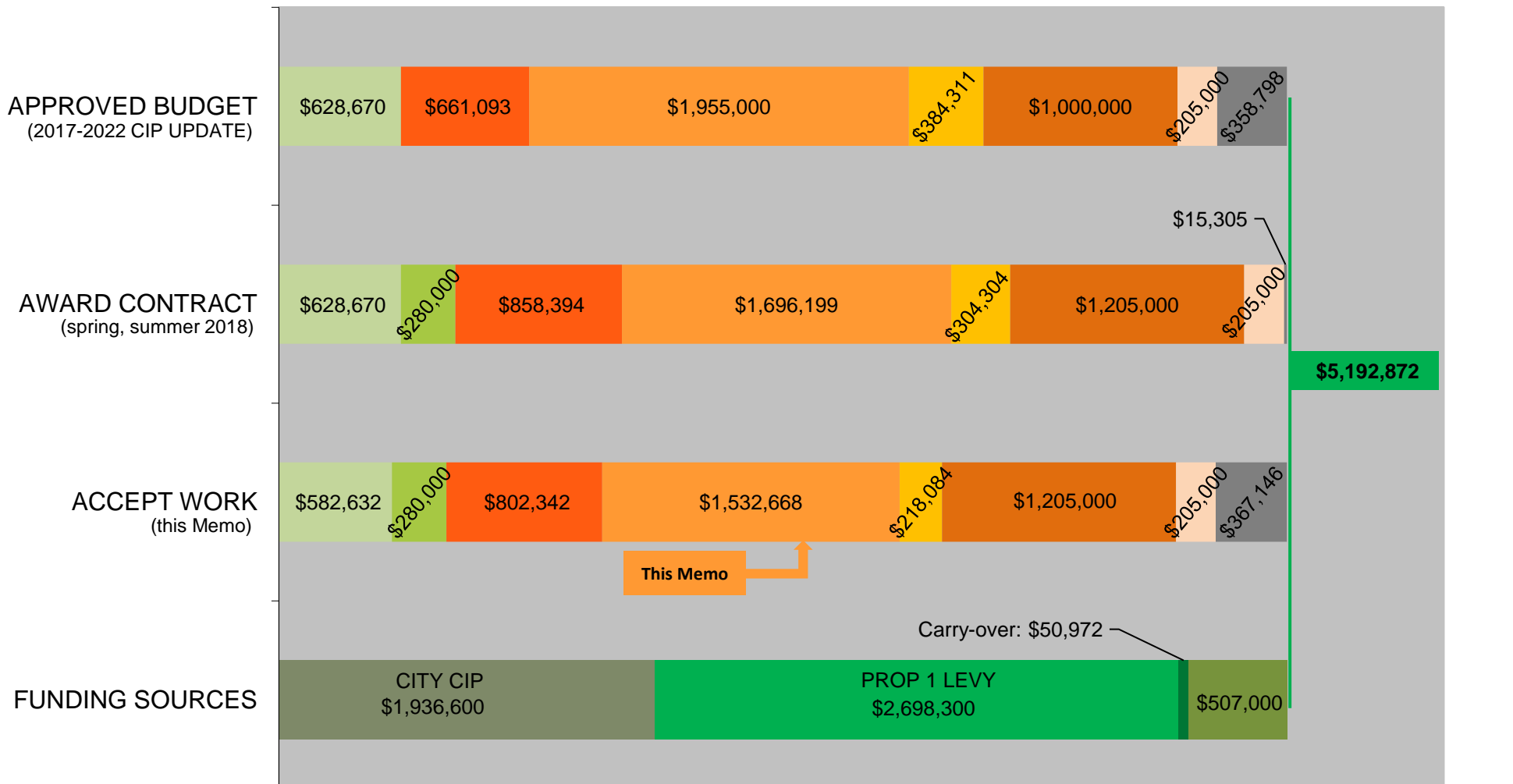
Vicinity Map 2018 Street Overly Project/CST1806



Author: Name In Map Doc Properties
Name: 2018 Overlay Streets Council Accept
Date Saved: 2/13/2019 2:51:42 PM

Project Budget Report
Annual Street Preservation - 2018 Phase II Street Overlay Project
(ST-1806)

Attachment B



LEGEND

- DESIGN & INSPECTION
- CONST - CURB RAMP & CONCRETE REPAIRS (PHASE I)
- CONST - SLURRY SEAL (PHASE III)
- 6th St INTERSECTIONS (TR65/TR115)
- CARRY-OVER
- CIP
- PROP 1 LEVY
- ADVANCED DESIGN 6th St S REHABILITATION (ST0006-006)
- CONST - OVERLAY (PHASE II)
- LWB-Ped & BIKE (MARKET ST) (NM89)
- CONTINGENCY
- UTILITY CONTRIBUTIONS