



CITY OF KIRKLAND
Department of Public Works
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www.kirklandwa.gov

MEMORANDUM

To: Kurt Triplett, City Manager

From: Dave Snider, P.E., Capital Projects Manager
Pam Bissonnette, Interim Public Works Director

Date: May 9, 2013

Subject: Annual Street Preservation Program (2013 Phase II Street Overlay Project)
Award Contract

RECOMMENDATION:

It is recommended that City Council award a construction contract for the Annual Street Preservation Program, 2013 Phase II Street Overlay Project, to Watson Asphalt Paving Co, Inc., of Redmond, WA in the amount of \$2,348,066.51.

BACKGROUND DISCUSSION:

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

For the 2013 Overlay Project, the highest ranking streets will receive sub-grade preparation and repair, pavement milling, and the application of a new wearing surface layer of asphalt. The City allocated \$2.3M for overlay in 2013. The engineer's estimate for accomplishing all of the overlays that were prioritized by staff was \$2.92M. Therefore this year's Project was bid with eight schedules of work for a total of 10.6 lane miles. It was structured this way so that staff could maximize the amount of work that could be awarded without exceeding that budget. The good news is that the bid for all eight schedules came in at \$2.348M. By shifting some money from the project contingency and other minor adjustments, all eight schedules will be funded in 2013.

The Phase I component of the Annual Street Preservation Program is the Curb Ramp & Concrete Repairs Project; a contract for that phase was awarded by City Council at their meeting on March 19, 2013 and that work is currently under construction. In past years, the concrete repair work (Phase I) was bid together with the overlay project (Phase II) under a

single contract. With the revenue and scope increases due to the passing of Proposition 1, staff split the work into two contracts to facilitate an earlier start to construction and to maximize the time for completing a larger-scale program. The Phase III component of the Annual Street Preservation Program is the Annual Slurry Seal Project, which is scheduled to be bid next month for construction during the drier months of mid to late summer.

With an engineer's estimate of \$2.9 million for all overlay schedules, the Phase II Project was first advertised on April 18 with three bids received on May 1, 2013, as follows:

Contractor	Total of All Schedules
Watson Asphalt	\$2,348,066.51
Lakeside Industries	\$2,357,468.85
<i>Engineer's Estimate</i>	<i>\$2,917,394.90</i>
CEMEX	\$3,124,617.65

Based on the bid results, a comparison of the unit prices shows that in 2013, the average cost of asphalt has decreased slightly to \$77.47/ton from \$78.57/ton in 2012 (Attachment B). Additionally, with the bids received, all schedules can be awarded and are within the construction budget available for the Overlay (Attachment C).

The total budget for the Annual Street Preservation Program for 2013 is a combination of four revenue sources including the base CIP, Proposition 1 Levy funds, a City Council approved carry-over from the 2012 program, and a street-cut mitigation payment from PSE:

Revenue Source	Amount
2013-2018 base CIP	\$1,750,000
Prop 1 Levy funds	\$1,959,000
2012 Carry-over	\$ 227,309
PSE Contribution	\$ 170,329
TOTAL	\$4,106,638

The anticipated expenses for the Annual Street Preservation Program, in 2013, are as follows:

Phase	Status	Amount
Phase I Curbs and Ramps	Under Construction	\$ 475,943
Phase II Overlay	This memo	\$2,348,067
Phase III Slurry Seal	Late Summer	\$ 450,000
Engineering, Admin, Inspection	On-Going	\$ 600,000
Contingency	Balance Remaining	\$ 232,628
	TOTAL	\$4,106,638

With a City Council award of the construction contract at the May 21 meeting, staff will begin the pre-construction public outreach process by notifying adjacent property owners with an

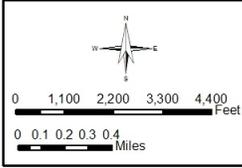
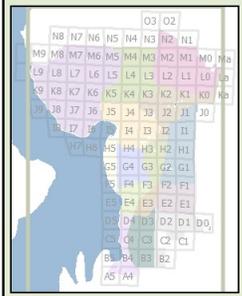
informational mailer describing the Annual Street Preservation Program. This information, along with a regularly updated construction schedule, will also be posted on the City's web site. Construction notice signs will be installed in advance of the overlay on higher volume streets and portable construction notice signs will be placed on residential streets a few days prior to construction. Door hangers describing the work will also be distributed to all adjacent homes and businesses at least 24 hours prior to construction.

Attachment A – Vicinity Map
Attachment B – Annual cost comparison
Attachment C – Project Budget Report

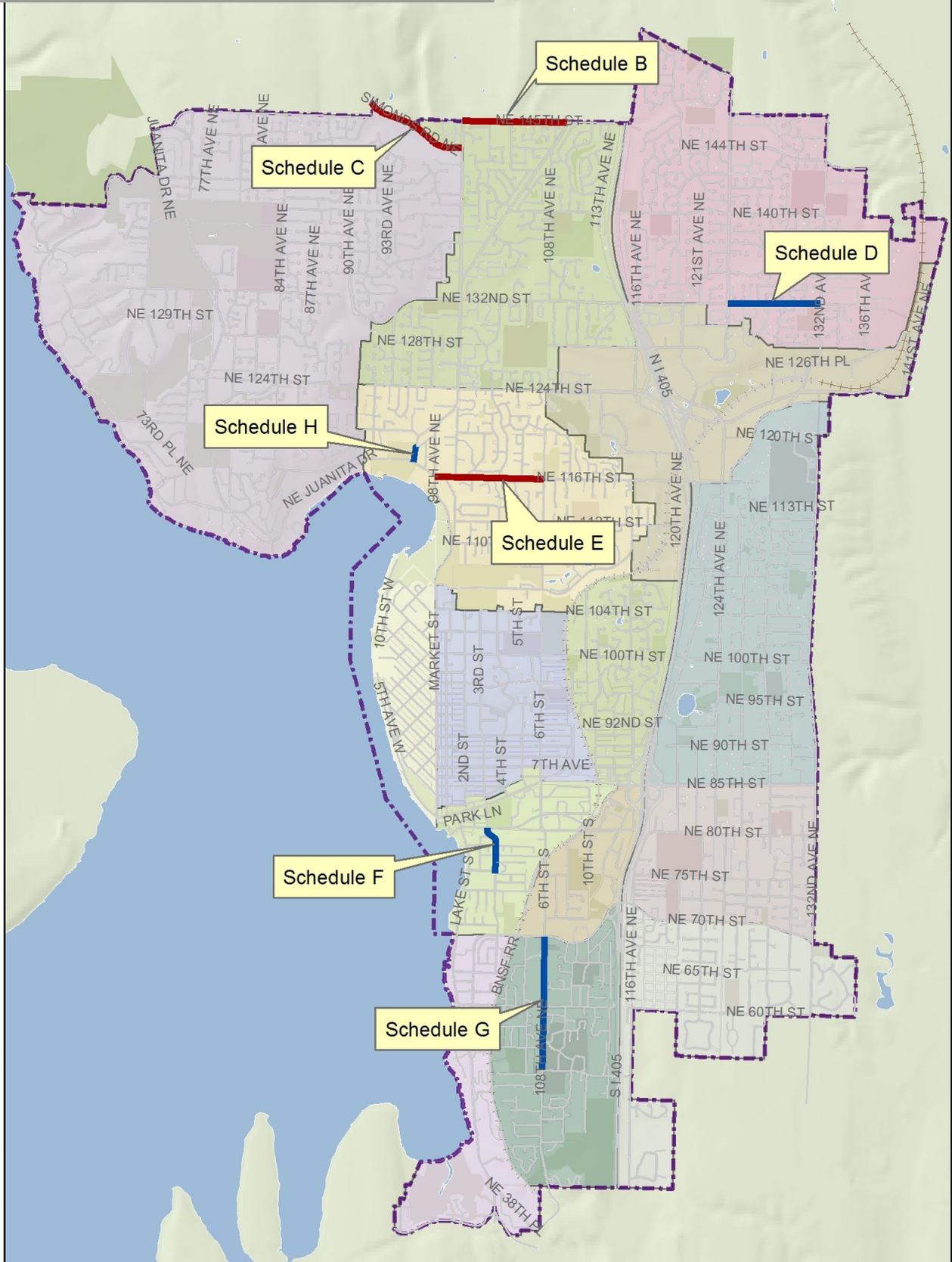
2013 Street Overlay Project | CST1306

Schedule A includes project-wide bid items.

- 2013 Overlay Streets**
- █ CIP FUNDED
 - █ PROP1 FUNDED
 - Streets
 - ROW
 - Parks
 - Schools
 - Railroads
 - Major Streets
 - City Limits
 - Lakes



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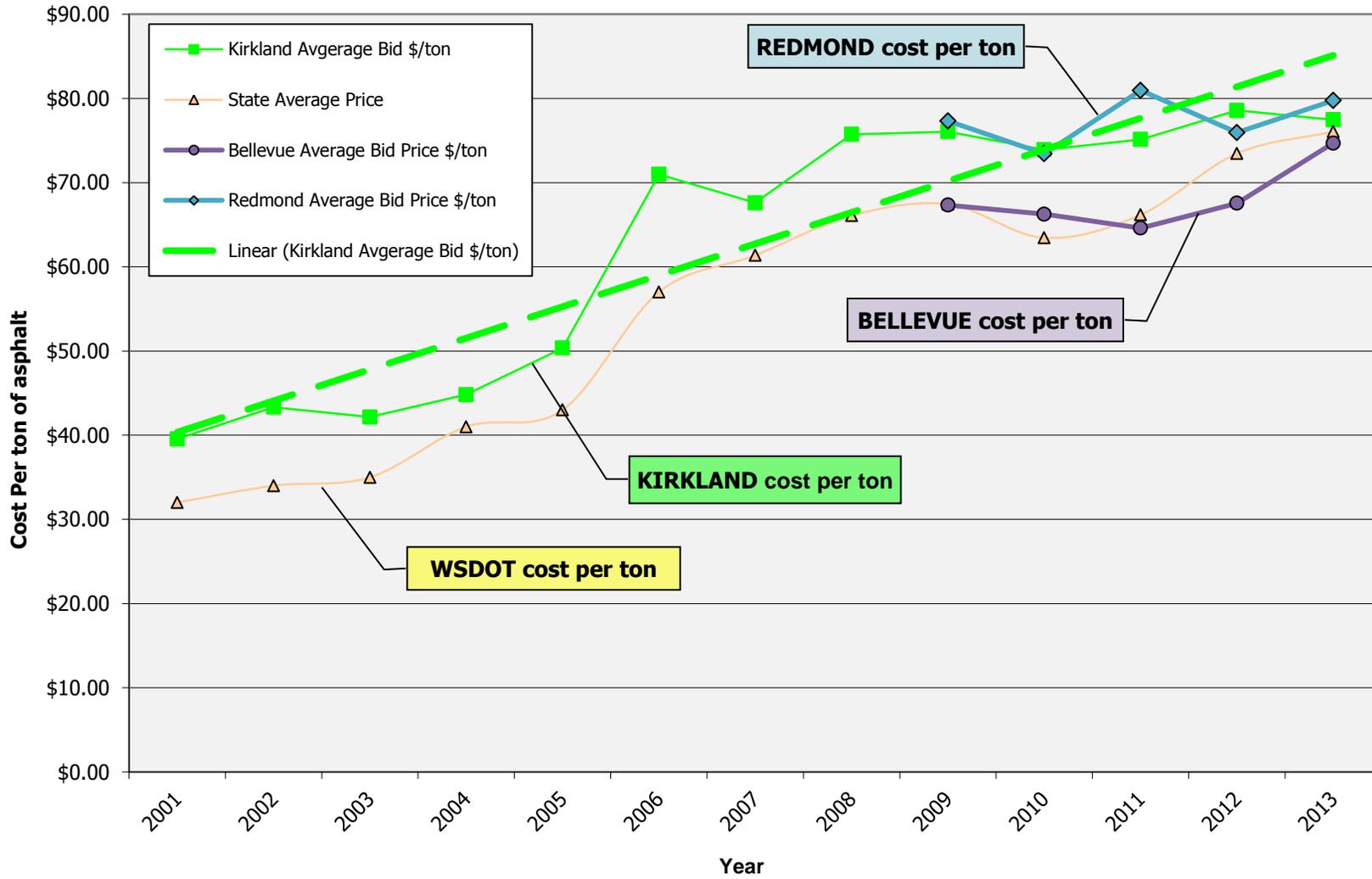
Map shows an streets selected for overlay & reconstruction based on current cost estimates. Slurry seal, crack seal and other types of surface treatments are not shown on this map.

Contact Andrea Swisstack 425.587.3827 or aswisstack@kirklandwa.gov for more project information or specific project limits.

STREET	FROM	TO
STATE STREET	5TH AVE S	KIRKLAND AVE
97TH AVE NE	JUANITA DRIVE	NE 120TH ST
108TH AVE NE	NE 53RD ST	NE 68TH ST
NE 132ND ST	124TH AVE NE	NE 132ND AVE NE
NE 116TH ST	98TH AVE NE	108TH AVE NE
NE 145TH ST	100TH AVE NE	JUANITA-WOODINVILLE WAY
SIMONDS ROAD NE	92ND AVE NE	100TH AVE NE

Kirkland Annual Overlay Program Cost Comparison

ATTACHMENT B



2013 Street Overlay Project (ST-1306)

Attachment C

Project Budget Report

