



CITY OF KIRKLAND
Department of Public Works
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MEMORANDUM

To: Kurt Triplett, City Manager

From: Dave Snider, P.E., Capital Projects Manager
Kathy Brown, Public Works Director

Date: May 21, 2015

Subject: ANNUAL STREET PRESERVATION PROGRAM (2015 PHASE II STREET OVERLAY PROJECT) - AWARD CONTRACT

RECOMMENDATION:

Staff recommends that the City Council take the following actions:

- Award the construction contract for the Annual Street Preservation Program, 2015 Phase II Street Overlay Project, to Watson Asphalt Paving Co, Inc., of Redmond, WA, in the amount of \$1,948,592.26, and
- Authorize the use of \$100,000 of the Projects remaining construction contingency for use by City crews to repave select Neighborhood Access streets that are in need of repair beyond what is achieved through a slurry seal application.

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 private utility companies, etc.) before making it onto the current year's program list (Attachment A).

The 2015 Annual Preservation Program includes three phases. The Phase I component is the Curb Ramp & Concrete Repairs Project; a contract for that phase was awarded by City Council at their meeting on April 21, 2015, 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 for construction and to maximize the time for completing a larger-scale program. The Phase III component of the Annual Street Preservation Program is the Slurry Seal Project which is scheduled to be bid mid-June for construction during the drier months of mid to late summer.

For the 2015 Street 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. This year's Project was bid with eight schedules of work for a total of 10.2 lane miles. It was structured this way because the engineer's estimate projected that bids would exceed the budget and staff wanted to maximize the amount of work that could be awarded without exceeding that budget.

With an engineer's estimate of \$2.54 million for all overlay schedules, the Phase II Project was first advertised on April 23, with two bids received on May 7, 2015, as follows:

Contractor	Total of All Schedules
Watson Asphalt	\$1,948,592.26
Lakeside Industries	\$2,078,898.35
<i>Engineer's Estimate</i>	<i>\$2,547,036.35</i>

A comparison of the unit prices shows that the average cost of asphalt in 2015 decreased to \$74.01/ton from \$82.66/ton in 2014 (Attachment B); based on the bid results, all eight schedules of work can be awarded. In addition, the reduction in asphalt prices has led to a substantial construction contingency balance. As a result, staff is recommending the use of approximately \$100,000 of the available Project budget for City crews to resurface five neighborhood streets with severely damaged pavement. Those locations include two Cul-de-Sacs along 116th Avenue NE, NE 141st Street east of 124th Avenue NE, NE 101st Place west of 128th Avenue NE, and NE 142nd Court east of 90th Avenue NE (see Attachment A).

The total budget for the Annual Street Preservation Program for 2015 is a combination of two revenue sources (Attachment C), including base CIP funding and Proposition 1 Levy funds:

Revenue Source	Amount
2013-2018 base CIP	\$1,750,000
Prop 1 Levy funds	\$2,300,000
TOTAL	\$4,050,000

The anticipated expenses for the Annual Street Preservation Program in 2015 are as follows:

Phase	Status	Amount
Phase I Curbs and Ramps	Under Construction	\$ 438,776
Phase II Overlay	This Memo	\$1,948,592
Phase III Slurry Seal	Late Summer	\$ 570,000
Engineering, Admin, Inspection	On-Going	\$ 680,000
City Crews Paving	Summer 2015	\$ 100,000
Contingency	Balance Remaining	\$ 312,632
	TOTAL	\$4,050,000

With a City Council award of the construction contract at the June 2 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 on higher volume streets in advance of the overlay, 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

Schedule A
includes
project-wide
bid items

Schedule B
NE 141st St

Schedule C
NE 144th/143rd St

Schedule D
132nd Ave NE

Schedule E
124th Ave NE

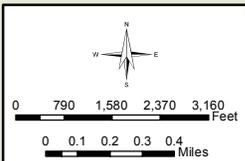
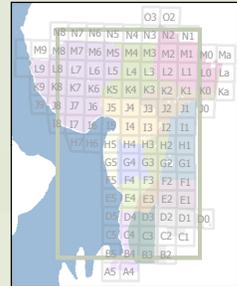
Schedule F
116th Ave NE

Schedule G
7th Ave S

Schedule H
NE 60th St

- Funding**
- CIP FUNDED
 - PROP 1 FUNDED
 - City Crews
 - Parks
 - Schools
 - Major Streets
 - - - City Limits
 - Lakes
 - Cross Kirkland Corridor
 - Regional Rail Corridor

Schedule	Street	From	To
B	NE 141st St	Juanita Dr	84th Ave NE
C	NE 144th/143rd St	124th Ave NE	132nd Ave NE
D	132nd Ave NE	NE 113th St	NE 120th St
E	124th Ave NE	NE 100th St	NE 108th Pl
F	116th Ave NE	NE 87th St	NE 95th St
G	NE 60th St	Benjamin Franklin ES	132nd Ave NE
H	7th Ave S	State St	5th Pl S

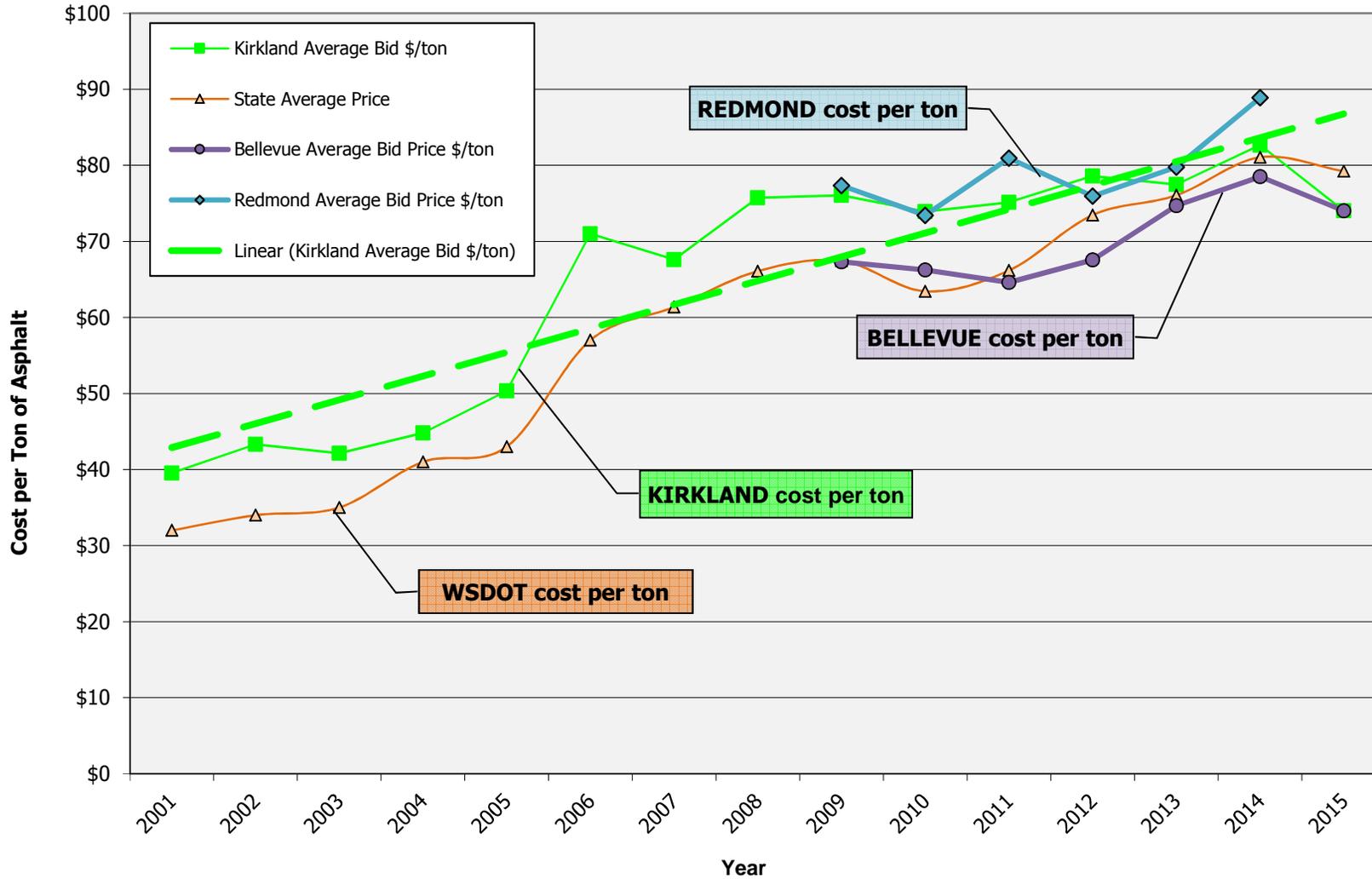


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Author: Name In Map Doc Properties
Name: 2015 Preservation
Date Saved: 5/21/2015 11:13:59 AM

Kirkland Annual Street Overlay Program Cost Comparison

ATTACHMENT B



Project Budget Report
2015 Street Overlay Project
(ST-1506)

Attachment C

