



**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:** Dave Snider, P.E., Capital Projects Manager  
Ray Steiger, P.E., Public Works Director  
**Date:** May 3, 2012  
**Subject:** 2012 STREET PRESERVATION PROGRAM (PHASE I SLURRY SEAL PROJECT)  
AWARD CONTRACT

**RECOMMENDATION:**

It is recommended that City Council award the construction contract for the Phase I Slurry Seal Project, for the Annual Street Preservation Program, to Blackline, Inc., of Spokane, Washington, in the amount of \$276,476.80.



**BACKGROUND DISCUSSION:**

The Slurry Seal Project is the Phase I element of the Annual Street Preservation Program. It involves the application of a thin layer of liquid asphalt that has been mixed with a fine aggregate. The "slurry" is then 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 the City's residential streets 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; the 2012 Project will seal approximately 14 lane miles of roadway in four areas of the City (Attachment A).

The Phase II element of the Annual Street Preservation Program, the 2012 Overlay Project, is scheduled to advertise later this month with an anticipated start of construction in July 2012.

With an engineer's estimate of \$275,000, the first advertisement for the Slurry Seal Project was published on April 17; 2 bids were received on May 1, 2012 with Blackline Inc., being the lowest responsive bidder, as shown below:

<b>CONTRACTOR</b>	<b>TOTAL BID</b>
<i>Engineer's Estimate</i>	<i>\$275,000.00</i>
<b>Blackline, Inc</b>	<b>\$276,476.80</b>
Valley Slurry Seal	\$296,908.00

The Annual Street Preservation Program is included in the Capital Improvement Program (CIP) with a current budget of \$2,300,000 (Attachment B).

In 2011, the average cost per square yard of slurry seal was \$1.81, and the low bid price was \$1.45. For the 2012 Project, the average cost per square yard of slurry is \$2.39, with the low bidder's price at \$2.40 per square yard, representing a 32% increase (Attachment C). Staff has concluded that an increase in oil and asphalt product costs is driving this significant increase in the average price. Additionally, an increase in the number of agencies using slurry seal as a maintenance treatment has resulted in a decrease in the number of slurry seal contractors being available to bid Kirkland's 2012 Project.

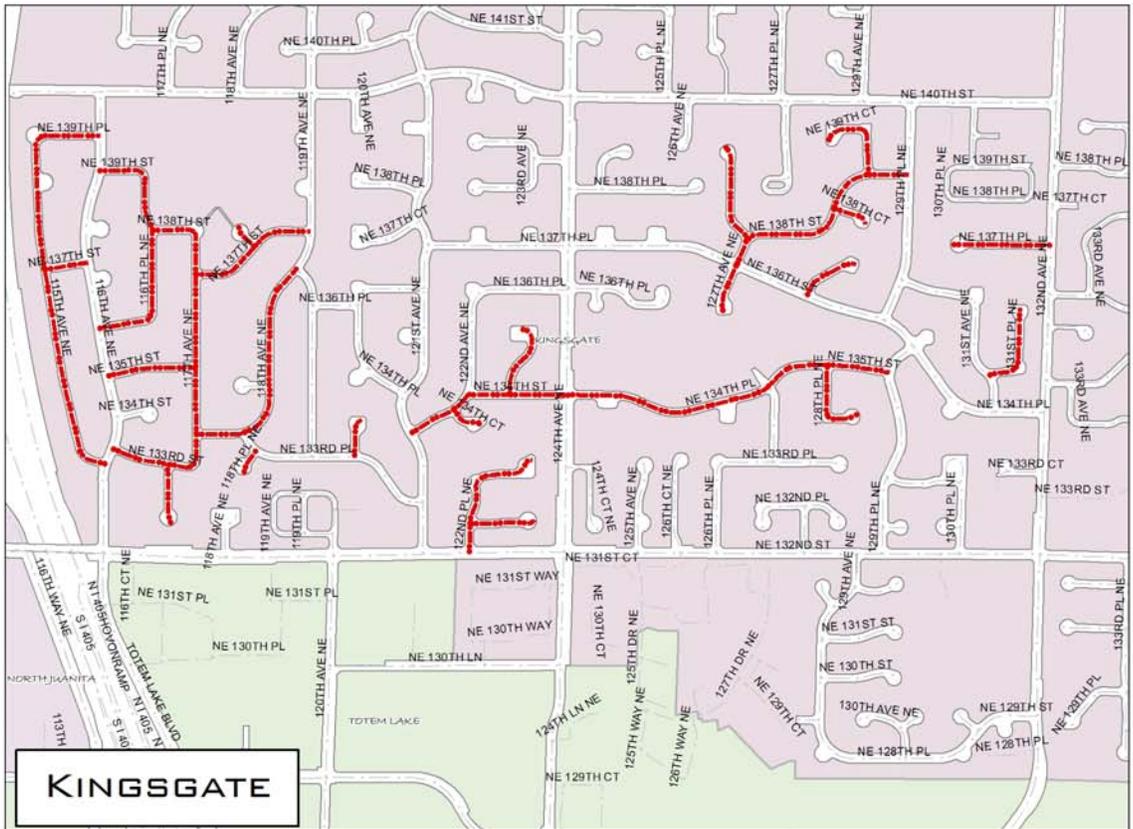
Construction of this Project is extremely weather and temperature dependent and will begin in early July; the construction duration will be approximately one month. In advance of the work, City Street Crews will be sealing cracks and repairing damaged sections of pavement to prepare the streets for the slurry seal application. Public Works staff will supply an informational brochure to all property owners living along the planned Slurry Seal routes (Attachment D). The brochure describes the City's Street Preservation Program together with important facts on the Slurry Seal treatment. The information in this brochure and schedule updates will also be incorporated into the Public Works section of the City's web site. In addition, door-hanger notices will be distributed to all adjacent homes and business at least 24 hours prior to Slurry Seal applications.

Attachments: (4)

# Kirkland 2012 Slurry Seal Project CST1206

## Legend

- Merge
  - Street
- ### Neighborhoods
- Bridle Trails
  - Central Houghton
  - Everest
  - Finn Hill
  - Highlands
  - Kingsgate
  - Lakeview
  - Market
  - Moss Bay
  - Norkirk
  - North Juanita
  - North Rose Hill
  - South Juanita
  - South Rose Hill
  - Totem Lake
- Kirkland City Limits (Polygon)
  - City Limits



## KINGSGATE

Note: This map does not include streets to be treated with other maintenance techniques (i.e. Hot Mix Overlay, Crack Seal, etc.).

## Vicinity Map



Produced by the City of Kirkland.  
© 2011, the City of Kirkland, all rights reserved. No warranties of any sort, including but not limited to accuracy, fitness or merchantability, accompany this product.

Author: adasovic  
Name: CST1206 - Slurry Seal  
Date Saved: 1/11/2012 12:55:27 PM



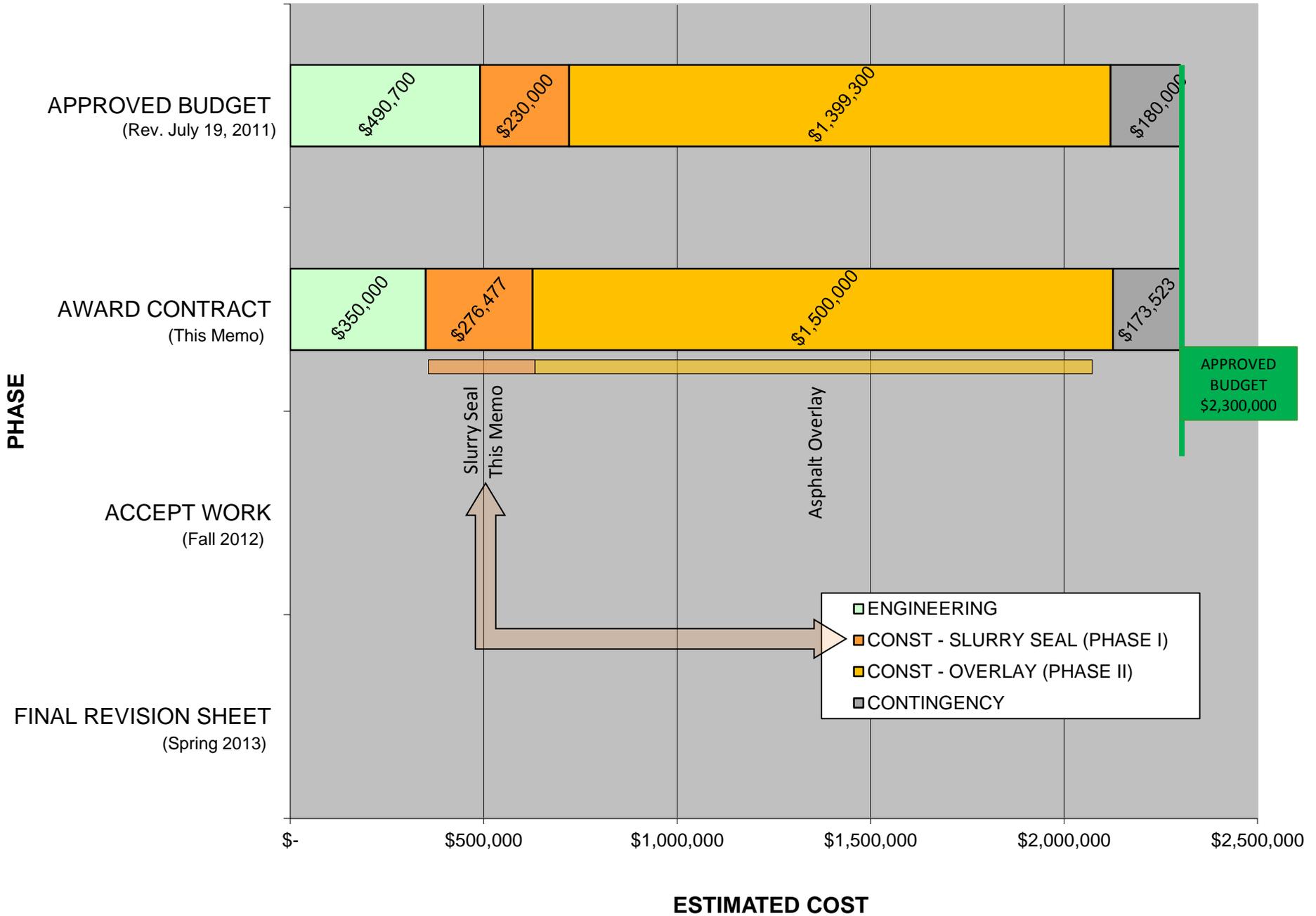
## BRIDAL TRAILS



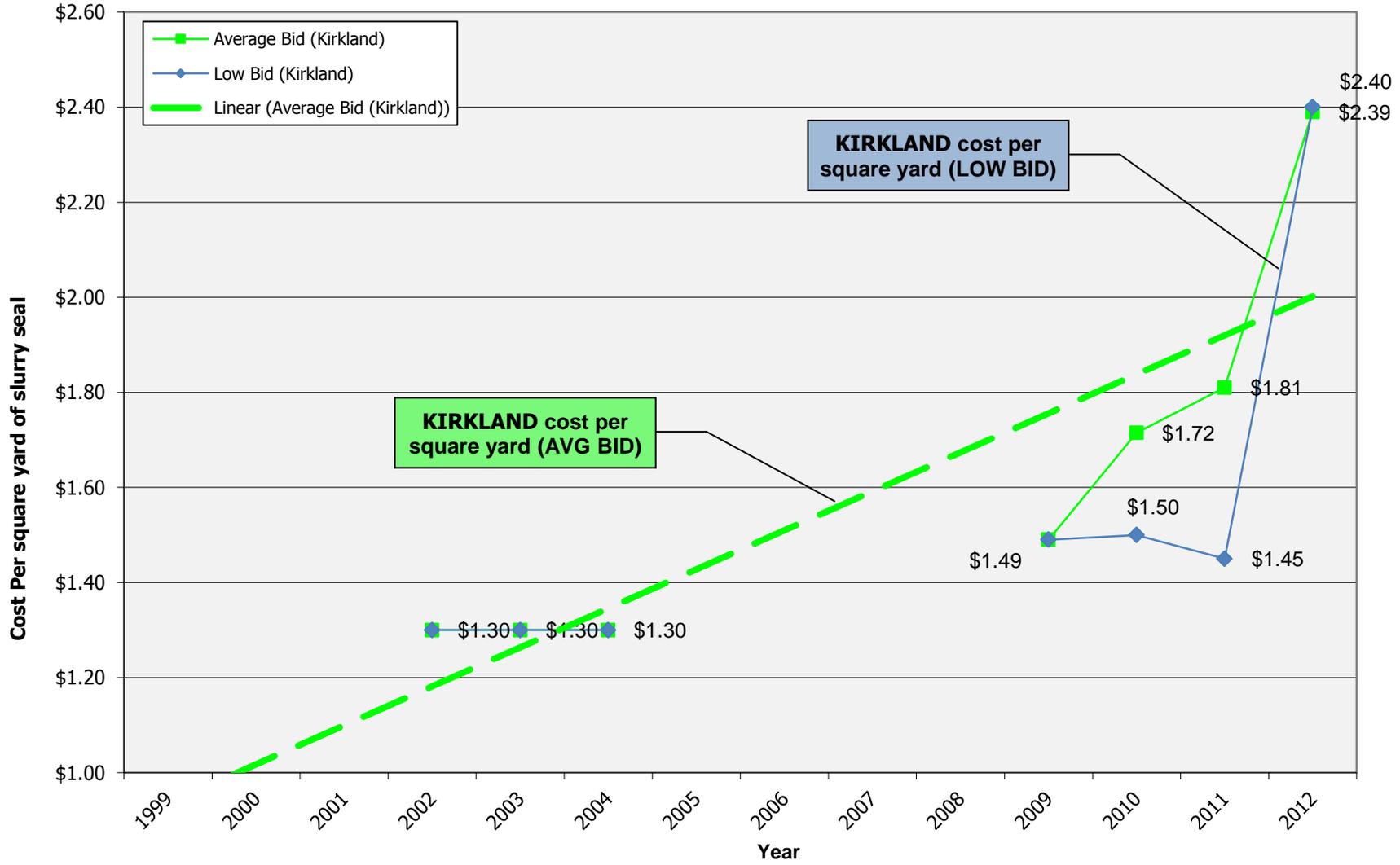
## ROSE HILL

# 2012 SLURRY SEAL PROJECT (ST-1206)

## Project Budget Report



### Kirkland Slurry Seal Project Cost Comparison



## Slurry Seal Preventative Maintenance



### City of Kirkland, Public Works Department

Constructing and maintaining the public infrastructure to ensure efficient and reliable public utilities to Kirkland residents.

**Slurry Seal**  
The City of Kirkland maintains 593 lane miles of roadway within the City limits. Slurry sealing is one of many effective tools in the City's preventative maintenance program and is typically applied to streets that are in fair to good condition. Slurry seals prolong pavement life by applying a thick, cold liquid mixture of asphalt and rock to the existing pavement surface. In general a Slurry Seal extends the pavement life by 5 to 10 years. Slurry seals are less expensive than typical asphalt overlays, but take longer to thoroughly cure (or dry) before the street can be reopened to traffic.



For More Information:

**Construction Hotline**  
425-587-3838

Andrea Swisstack, PE  
City of Kirkland, Public Works Department  
Project Engineer  
Phone: 425-587-3827  
aswisstack@kirklandwa.gov

Visit our web site for more information:  
[www.kirklandwa.gov/depart/Public\\_Works](http://www.kirklandwa.gov/depart/Public_Works)



**City of Kirkland**  
Public Works Department

123 Fifth Avenue  
Kirkland, WA 98033  
425-587-3800 ph  
425-587-3807 fax  
[www.kirklandwa.gov](http://www.kirklandwa.gov)



**City of Kirkland**  
Public Works Department

*Caring for your  
infrastructure to keep  
Kirkland healthy, safe and  
vibrant.*

# The City of Kirkland's Slurry Seal Program:

A key part of the City's Annual Street Preservation Program designed to maximize the life of your neighborhood streets. Funding for this project is through the City's Capital Improvement Program.

## Phase One

City crews seal cracks in the roads and repair small areas of damaged pavement.

Residents living on streets to be slurry sealed are asked to prune back their vegetation to allow maintenance vehicles to get next to the curb. All low growing plant material should be pruned back behind the curb, and all trees are required to be trimmed to provide a 14-foot vertical clearance from the road surface.

**No road closures will occur in this phase, however temporary delays might occur.**



## Phase Two

As the date of the actual slurry seal application gets closer, the existing pavement surface will be swept and all vegetation will be removed. Any final repairs that need to be made to the pavement surface prior to the slurry seal application will be made at this time. **No road closures will occur in this phase, however temporary delays might occur.**

## Phase Three

You will receive at least 24-hour advance notice of when the slurry seal is to be applied to the prepped roads by the contractor. Please remove all cars, recreational vehicles, and personal items and equipment from the road and refrain from watering your lawn. **This is a one day process that requires a one-day road closure.** When the slurry seal is first applied, the material is brown and sticky. To prevent damage to the fresh slurry and avoid tracking, cars, bikes, people, and pets must be kept off the street until the seal is cured and the street is reopened. After the curing process is completed, the barricades and signs will be removed showing the road is reopened.

## Phase Four

After the surface has dried it is normal for loose sand to shed from the surface. The Contractor is scheduled to sweep the streets approximately one week and then again three weeks after the slurry seal application.

*Thank you in advance for your patience and cooperation as we maintain your neighborhood streets.*



Caring for your infrastructure to keep Kirkland healthy, safe and vibrant

All information on the slurry seal process can be made available in alternative formats including language interpretation and American Sign Language (ASL), upon request by calling 425-587-3011. TTY/TTD (425) 587-3111



To receive updates via email on City and Neighborhood news, please subscribe to the Neighborhood E-Bulletin at [www.kirklandwa.gov/EBulletin.htm](http://www.kirklandwa.gov/EBulletin.htm)