



**CITY OF KIRKLAND**

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**MEMORANDUM**

**To:** David Ramsay, City Manager

**From:** Daryl Grigsby, Public Works Director  
Ray Steiger, P.E., Capital Projects Manager

**Date:** July 7, 2009

**Subject:** NE 73<sup>rd</sup> Street Sidewalk– ACCEPT WORK

RECOMMENDATION:

It is recommended that the City Council accept the construction of the NE 73<sup>rd</sup> Street Sidewalk and Watermain Improvement Project, as constructed by Dennis R. Craig Construction Company of Redmond, WA, and establish the statutory lien period. In addition, it is recommended that the City Council authorize the use of \$61,000 for project closeout.

BACKGROUND DISCUSSION:

Based on feedback from a number of neighborhood meetings and the School Walk Route Advisory Committee, NE 73<sup>rd</sup> St between 130<sup>th</sup> Ave NE and 132<sup>nd</sup> Ave NE (Attachment A) was prioritized as an important walk route for the neighborhood and for children attending Rose Hill Elementary and Junior High Schools. The project was funded in the Capital Improvement Program for construction along the north side of NE 73<sup>rd</sup> beginning in 2007.

Open house meetings held during the spring of 2007 indicated that the neighbors along the sidewalk route wanted to be included in the City's Emergency Sewer Program. This development delayed the completion of the sidewalk, however it allowed for new sanitary sewer to be installed in advance of the sidewalk.

The NE 73<sup>rd</sup> Sidewalk project design focused on opportunities to incorporate Low Impact Development (LID) practices in order to retain the rural look of the neighborhood and to utilize these developing best management practices on a public project. Many techniques were able to be incorporated due to the roadway width, type of surrounding soils, natural terrain, and adjacent resident receptiveness to the maintenance requirements. The specific LID techniques used in the project include pervious concrete sidewalks and driveway aprons, and a storm system which includes a series of short pipe segments and meandering rain gardens with drought tolerant plants (Attachment B & C).

During the design of the LID storm system, it was determined that the existing waterline serving NE 73<sup>rd</sup> Street, constructed of asbestos cement (AC), would be required to be replaced in conjunction with the project. This waterline, not originally anticipated to be replaced was included in the sidewalk project scope of work.

The project was designed and advertised using two separate schedules: Schedule A addressed the sidewalk and roadway components, and Schedule B addressed the watermain work. Bids were opened on August 27, 2008, and on September 16, 2008, Council approved award of the contract to Dennis R. Craig Construction in the amount of \$418,896. In order to award the contract, the total project budget was increased by \$223,000 (\$180,000 from water/sewer capital contingency and \$43,000 from general capital contingency). The final cost breakdown is as follows (Attachment D):

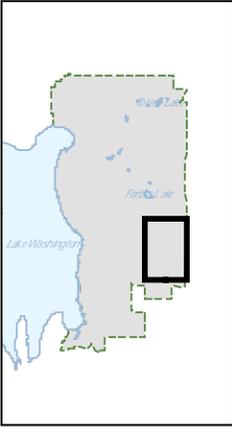
	Engineering/Inspection	Construction	Total
Sch A (Sidewalk/Storm)	\$ 107,694.00	\$ 280,034.00	\$ 387,728.00
Sch B (Water)	\$ 44,040.00	\$ 153,071.00	\$ 197,111.00
<b>Total Construction Costs</b>	<b>\$ 151,734.00</b>	<b>\$ 433,105.00</b>	<b>\$ 584,839.00</b>

Based on the final construction costs, which included one Change Order in the amount of \$10,626 for unanticipated water main tie-in changes and additional quantities, a total of \$17,200 is requested from the water/sewer capital contingency and \$43,800 from the general capital contingency to fund the total project (Attachment E).

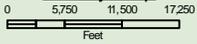
cc: Denise Pirolo, PE, Project Engineer

Attachments: Vicinity Map  
Project Photos  
Project Budget Report  
Fiscal Note

# NE 73rd Street Sidewalk & Waterline replacement

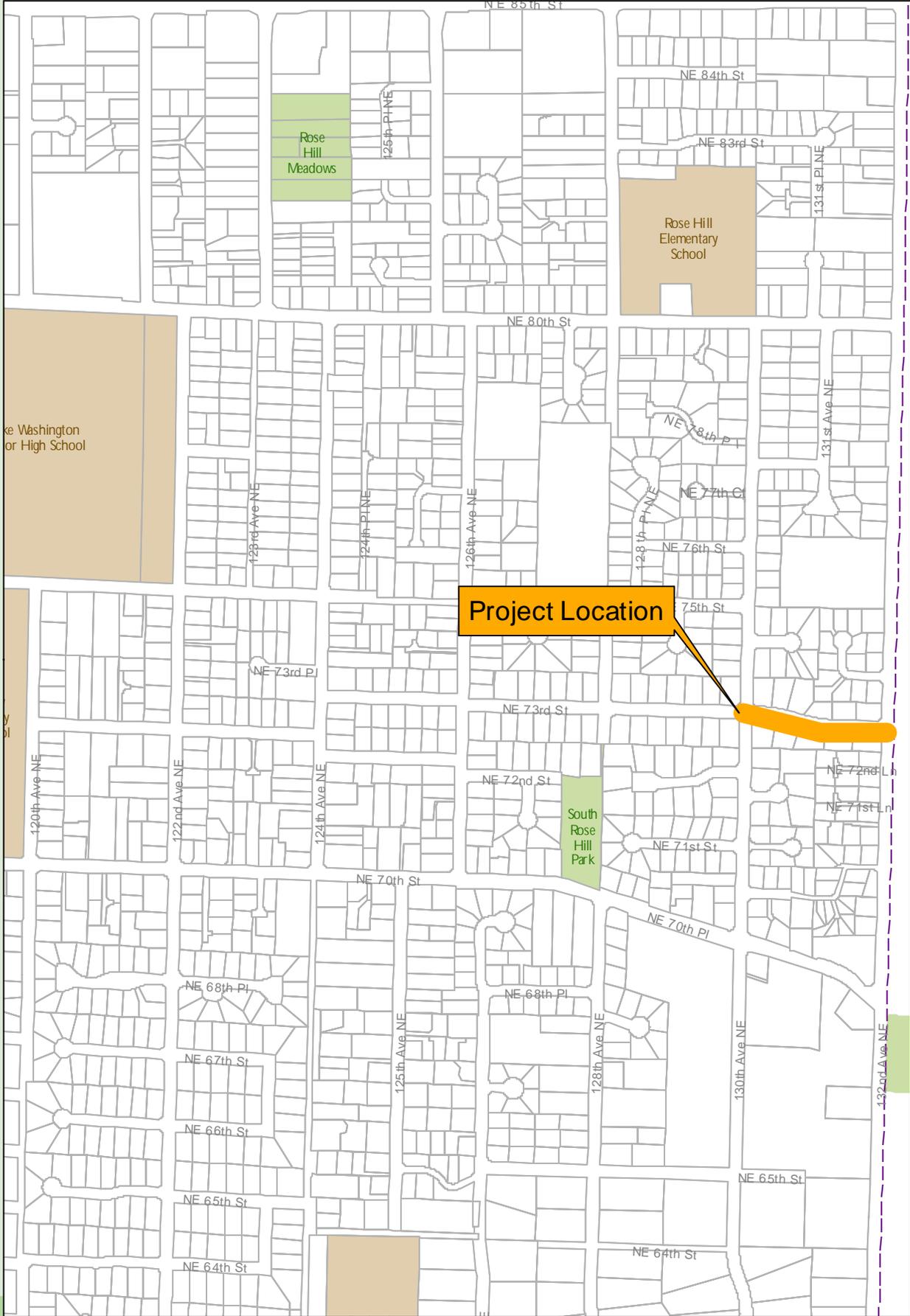


Vicinity Map

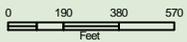


### Map Legend

- Fire Station
- City of Kirkland Boundary
- Building Footprint
- Railroad Centerline
- Dock/Pier
- Lake
- Tax Parcel Boundary
- Street Center Line
- Pavement Edge
- Park
- School
- Address Point
- Tax Parcels



**Project Location**



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 fitness or merchantability accompany this product.

**NE 73rd Street Sidewalk (CNM-0052)**



Before



After

# Attachment C

## NE 73rd Street Sidewalk (CNM-0052)



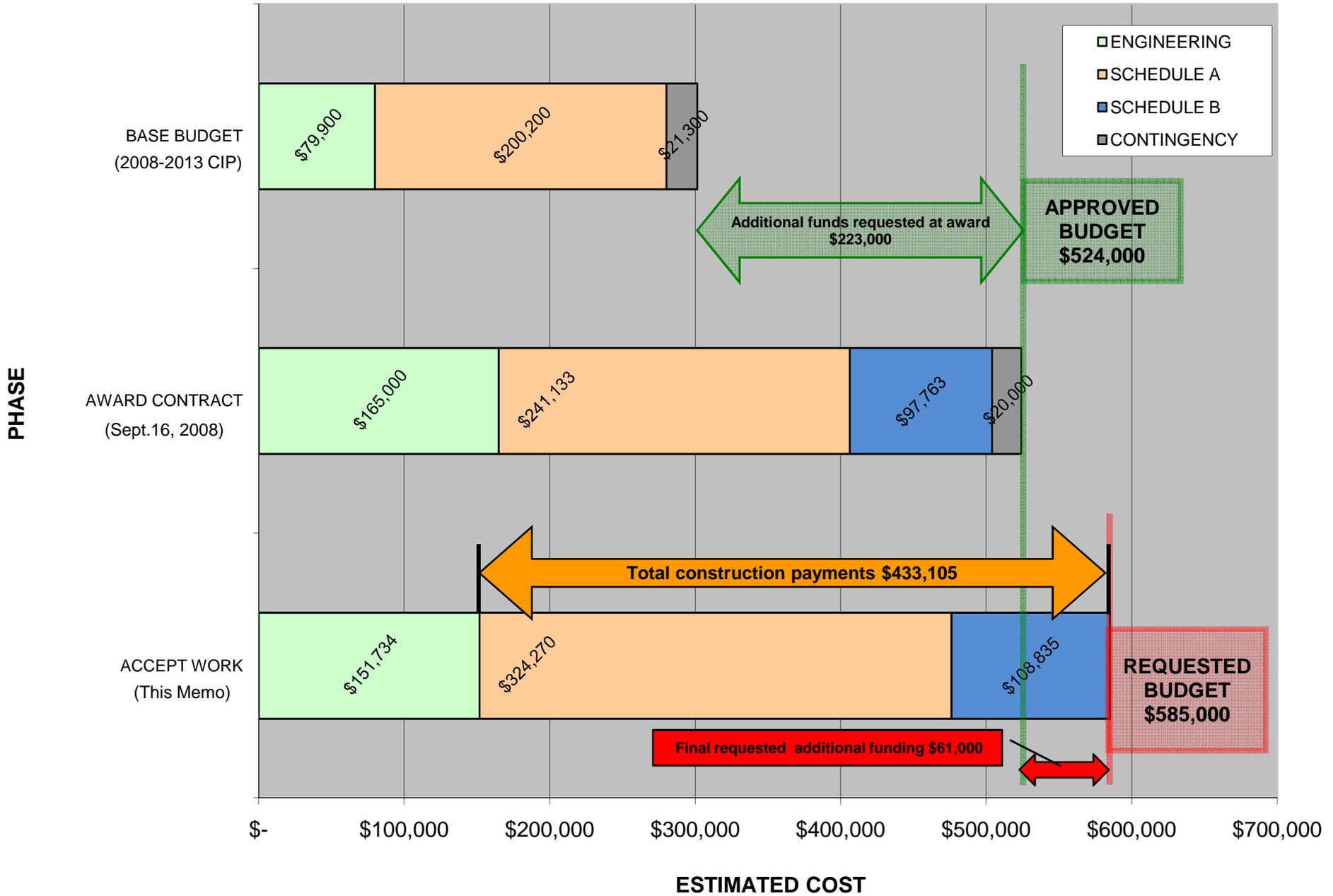
Before



After

# NE 73RD STREET SIDEWALK & WATER MAIN PROJECT (CNM 0052)

## PROJECT BUDGET REPORT



**FISCAL NOTE**

CITY OF KIRKLAND

Source of Request							
Daryl Grigsby, Public Works Director							
Description of Request							
Request for additional funding of \$61,000 – \$17,200 from the Water/Sewer Capital Contingency and \$43,800 from the General Capital Contingency – for the NE 73rd Street Sidewalk project (NM 0052). This project received additional funding during 2008 when the scope changed to include the watermain replacement and incorporate Low Impact Development (LID) components. Now that the project is complete and all costs are known, an additional \$61,000 is needed to close out the project.							
Legality/City Policy Basis							
Fiscal Impact							
<b>One-time use of \$17,200 of the Water/Sewer Capital Contingency and one-time use of \$43,800 of the General Capital Contingency.</b> The contingencies are able to fully fund this request.							
Recommended Funding Source(s)							
<b>Reserve</b>	Description	2010 Est End Balance	Prior Auth. 2009-10 Uses	Prior Auth. 2009-10 Additions	Amount This Request	Revised 2010 End Balance	2010 Target
	Water/Sewer Capital Contingency	3,018,240	181,540	0	17,200	2,819,500	3,018,240
	General Capital Contingency	2,444,561	0	0	43,800	2,400,761	9,032,430
2009 Prior Authorized Uses of the Water/Sewer Capital Contingency include \$54,540 for the Supply Station #2 Improvements project and \$128,000 for the 2009 Water System Improvement project.							
<b>Revenue/Exp Savings</b>							
<b>Other Source</b>							
Other Information							

Prepared By	Sandi Hines, Financial Planning Manager	Date	July 9, 2009
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