



CITY OF KIRKLAND

Department of Public Works

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MEMORANDUM

To: David Ramsay, City Manager

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

Date: November 19, 2009

Subject: 2009 WATER SYSTEM IMPROVEMENT PROJECT -- ACCEPT WORK

RECOMMENDATION:

It is recommended that the City Council accept the 2009 Water System Improvement Project as constructed by D&G Backhoe, Inc. of Lake Stevens, WA and establish the required 45-day lien period. In addition, it is recommended that \$136,000 of the project funds be transferred into the annual street preservation program to provide for the street overlay that will be required by the watermain improvements.

BACKGROUND AND DISCUSSION:

The 2009 Water System Improvement Project is made up of three individual projects and consists of a combined total of 2,300 lineal feet of 8-inch and 12-inch ductile iron pipe (Attachment A). Project WA-0142 provided for the connection of an existing "dead-end", 8-inch, waterline located in the alley north of the Heathman Hotel to an existing waterline on Main Street. This work will help to reduce impacts during the 3rd Street watermain project being constructed concurrent with the Downtown Transit Center. Both project WA-0141 and project WA-0117 provided for the replacement of aging Asbestos Cement (AC) water main that was susceptible to breaks and incapable of meeting the anticipated fire flow requirements

At their regular meeting on June 16, 2009, Council awarded the contract for this project to D&G Backhoe in the amount of \$345,317; work began June 23, 2009, and was complete on August 7, 2009. Total payments to the Contractor equal \$334,139 - \$11,178 below the contract amount.

At the June meeting, Staff reported to Council that both project WA-0142 and WA-0117 were funded partially in 2009 and in 2010. Historically, watermain projects are designed in one year, and construction follows the next. In this case, due to the availability of consultant services to focus on completing this project, the design was completed in only five months, and in order to take advantage of the extremely competitive construction market, it was recommended to proceed with construction in 2009 also. However, the cost to design and construct the projects in 2009 exceeded the 2009 funding, and Council authorized the use of approximately \$128,000 from the water/sewer capital contingency to fully fund and complete the work in 2009.

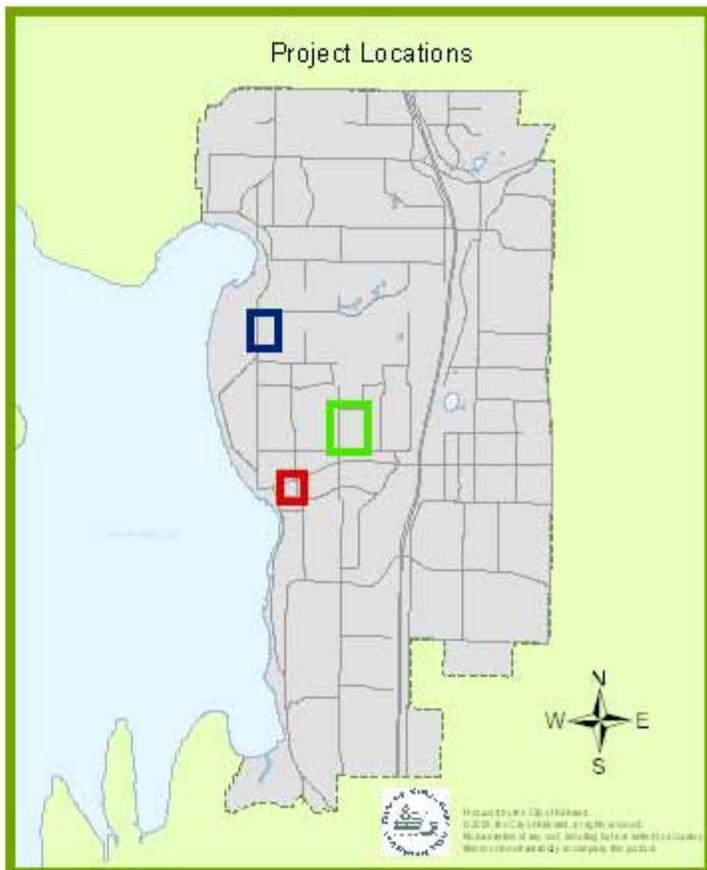
It is also recommended that \$136,000 be transferred from the individual watermain projects to the street preservation program to offset the long term impacts of the watermain construction on the streets. The watermain work included asphalt patches to the specific areas disturbed, however given the condition of the roadway at this time, an overlay was not warranted. Overlay of the impacted streets will be incorporated into the overall annual street preservation program at a future time.

Attachment: (3)

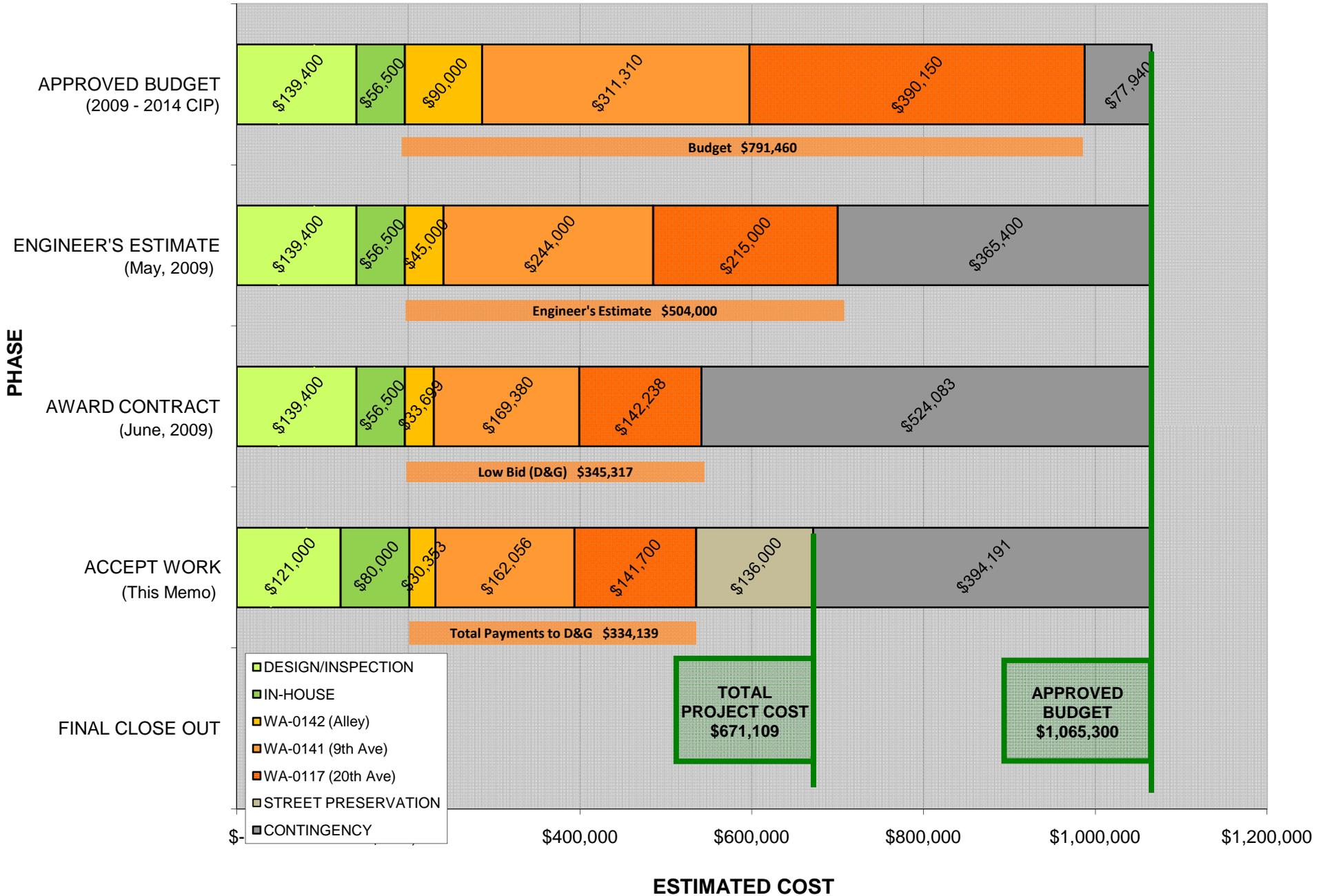
Site Map

2009 Water System Improvements Project

WA-0142 WA-0141 WA-0117



2009 Water System Improvements (WA-0142, WA-0141, WA-0117) Project Budget Report



Historical Watermain Replacement Construction Cost Comparison

