



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: MAY 7, 2009

Subject: 2009 WATER SYSTEM IMPROVEMENT PROJECT– AUTHORIZE ADVERTISEMENT

RECOMMENDATION:

It is recommended that the City Council authorize staff to advertise for contractor bids for the 2009 Water System Improvement Project.

BACKGROUND AND DISCUSSION:

The 2009 Water System Improvement Project is made up of three individual projects and replaces approximately 1,300 lineal feet of Asbestos Cement (AC) water main with 8" ductile iron pipe and approximately 1,000 lineal feet of AC water main with 12" ductile iron pipe (Attachment A). The existing AC water main is approximately 50 years old, susceptible to breaks and not capable of providing adequate fire flow. The replacement of individual water service lines and fire hydrant connections along the project alignment is also included in the work.

The first project (WA-0142) is located between 3rd Street and Main Street in the alley behind the Heathman Hotel and involves the installation of approximately 200 lineal feet of new water main that will connect an existing dead ended 8" line off of 3rd street to the existing water main on Main Street. This work is a preliminary component to the 3rd Street Water Main Upgrade project. By completing this connection, the planned upgrade on 3rd street can be constructed concurrent with the Transit Center redevelopment, with less water main shutdowns, in less time, and thus reduce impacts to the surrounding business's and traffic.

The remaining two projects (WA-0141 & WA-0117) are part of the annual water system improvement program and will replace 4" and 8" AC water main with 8" and 12" ductile iron pipe respectively. Both projects are funded in 2009 and 2010 with the original intent to complete design work in 2009 and construct in 2010. However, due to a significant reduced work volume, the City's design consultant was able to produce bid documents much sooner than anticipated, and as a result there is the opportunity to bid the project this spring and take advantage of the current economic climate where we have continued to experience more competitive and lower construction bids.

The engineers estimate for all three projects is \$504,000, approximately \$290,000 under the total construction budget of \$791,460 (Attachment B). When compared to historical cost for water main replacement work, the estimate for 8" water main replacement work is consistent with costs of recently completed projects, and the estimate for 12" water main replacement work is equal to costs of 12" water main work completed in 2005 (Attachment C).

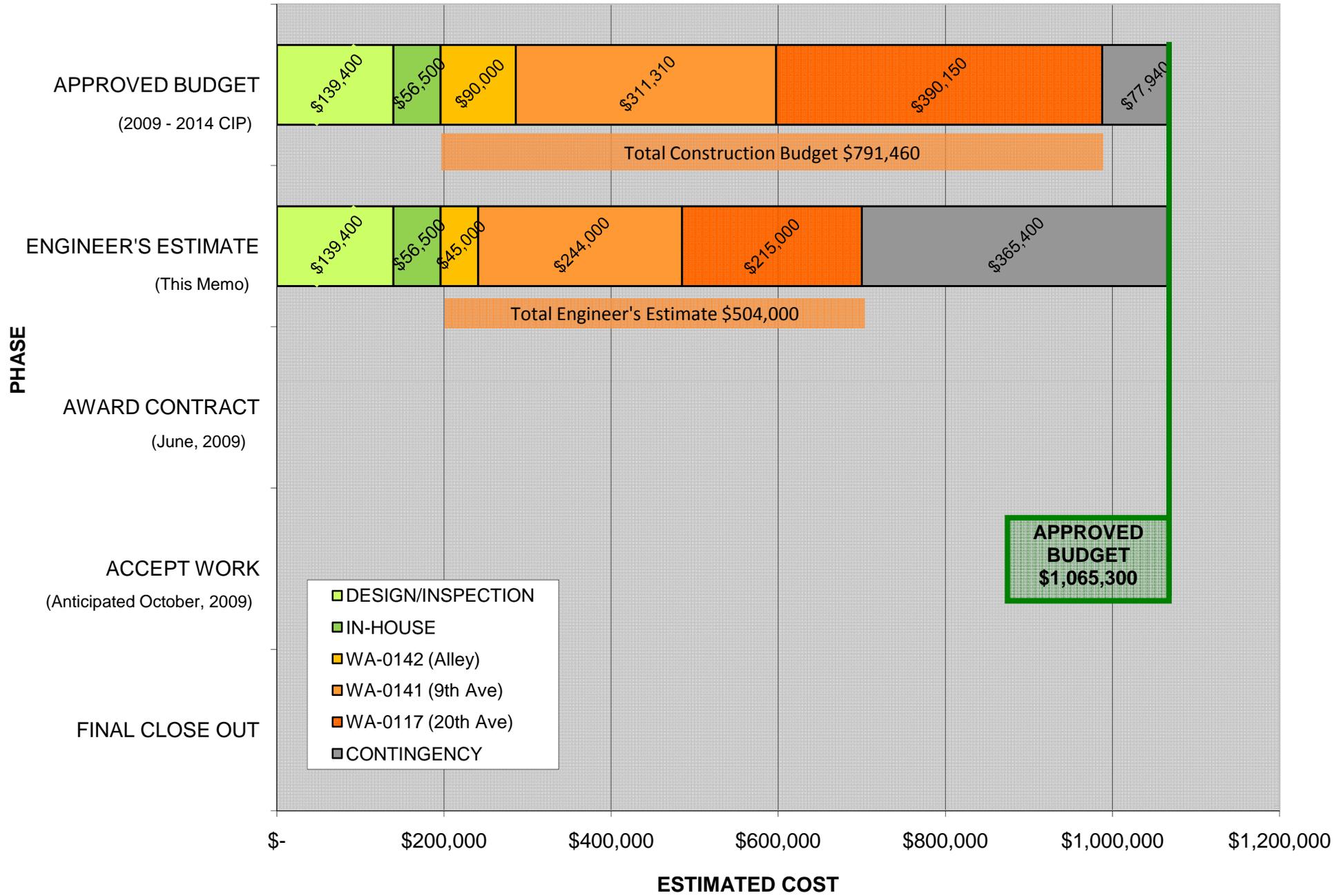
With Council authorization to advertize for bids, the first advertisement will be posted on May 20, 2009 with a bid opening on June 4, 2009. After bids are opened and construction cost are known, Staff will report back to Council to request authorization for award. Staff will also be recommending the use of funds from the water/sewer capital contingency to pay for construction of these projects this year and repay the water/sewer capital contingency in 2010 when the projects are programmed in the CIP.

Attachments (3)

Site Map
2009 Water System Improvements Project
WA-0142 WA-0141 WA-0117



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



Watermain Replacement Construction Cost Comparison

