



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: April 5, 2007

Subject: CENTRAL WAY IMPROVEMENT PROJECT –
ACCEPT WORK AND AUTHORIZE ADDITIONAL FUNDS

RECOMMENDATION:

It is recommended that City Council accept the Central Way Improvement Project as constructed by Shoreline Construction Company of Woodinville, Washington, and establish the 45-day lien period. In addition, it is recommended that Council authorize an overall project budget increase of \$205,000 (\$91,100 from the Street Improvement Fund Reserve and \$113,900 from Water/Sewer Utility Capital Contingency.)

BACKGROUND AND DISCUSSION:

The Central Way Improvement Project included numerous schedules of work. In all, there were two sewer main replacements, one water main replacement, the conversion of an existing water main into a usable fiber optic conduit, the conversion of overhead power, phone, cable, and fiber optic to an underground utility system, and a general reconfiguration of surface features along the Central Way corridor between 6th Street and Market Street. In addition, the project completed sidewalk upgrades and pedestrian enhancements on Lake Street between Kirkland Avenue and Central Way (Attachment A).

The list of specific improvements completed by the Project includes: the installation of 4,200 lineal feet of 18 & 24 inch sewer main with new side sewers to adjacent properties, 2,700 lineal feet of 12 & 16 inch diameter water main for water quality and enhanced fire flow in the downtown area, and 2,700 lineal foot of a fiber optic pathway in support of Kirkland's **Wireless in the Park Project** (with additional capacity for future providers.) In addition, approximately 2,500 lineal feet of overhead utilities along Central Way, between 3rd Street and 6th Street and along 5th Street between Central Way and 6th Avenue, were relocated underground together with the installation of an upgraded street lighting system for more uniform street lighting coverage on Central Way.

The final improvements completed by the Project also resulted in a significant reconfiguration of Central Way. The surface street improvements, as recommended by the Central Way Working Group (CWWG) in the last quarter of 2004, included:

- Traffic/pedestrian “bump outs” along the northern curb line at 6th, 5th, 4th, 3rd, Main, 2nd, 1st Streets,
- Attractive and updated landscaped center median islands at various locations between 6th Street and 1st Street,



New landscaped island at Central and Lake Street



Power lines removed along Central Way

- A realignment of the west to southbound left turn lane at Central Way/Lake Street, with signal modifications,
- Enhanced pedestrian crossings at 1st Street and 2nd Street,
- Improved signage for parking, speed limit, and directions in the corridor, and
- Striping for approximately 40 additional parking stalls.



Added curb-side parking east-bound on Central Way

These surface feature enhancements also necessitated the construction of storm drainage upgrades along the north side of Central Way, particularly at 1st, 3rd, and 4th Streets and, at the conclusion of the Project, the northern half of Central Way was repaved between Market Street and 6th Street South.

On May 3, 2005, Council awarded the construction contract to Shoreline Construction in the amount of \$2,802,121.16. At that meeting Council also authorized staff to work with Puget Sound Energy (PSE), Comcast, and Verizon on their respective final utility conversion designs, and to obtain private property easements needed to accomplish the conversion. The Project's construction phase began on June 9, 2005 and in September, 2005, PSE completed their final utility conversion design utilizing the easement areas obtained by staff; final conversion designs by Comcast, Verizon and Electric Lightwaves Inc. followed in October 2005.

Due to a number of significant development related projects under construction in the downtown area during 2005 and 2006, and in an attempt to minimize the overall construction related impacts to the downtown, the Central Way Improvement Project was completed in six stages. Construction of this extremely visible project was also aided by the extensive **Public Communication Plan**, as presented to Council at the time of award. The Plan aided public works staff in making use of numerous resources including the Kirkland Downtown Association and its newsletter, as well as the Kirkland Economic Partnership. Staff also conducted seven (7) public open house meetings, sent out fifty-two (52) project informational flyers, produced eighteen (18) web page updates, forty-eight (48) email list-serve notices, sent numerous individual email updates to various residents, business owners, condominium representatives, the Police and Fire Departments, Metro King County and the School District, and made extensive use of the City's variable message reader board.

On February 7, 2006, staff provided an update to City Council on general construction delays that had occurred during the water and sewer utility work due to unanticipated conflicts, as well as a report on the progress of the aerial utility conversion. Council authorized an additional \$150,000 for the project to resolve a number of change orders that came as a result of the conflicts encountered west of 3rd Street and to complete funding for the underground conversion. At that time, the project budget increased to \$3,902,000.

The contractor reached substantial completion for the Project on July 13, 2006, however, physical completion, including punch list and other minor work, did not occur until January 31, 2007 primarily due to a manufacturing problem associated with the crosswalk lighting systems that were disturbed during construction. During the period of time between substantial and final completion public works crews planted the new traffic islands with landscape material consistent with other plantings in the downtown area. As agreed to during the development of the **Central Way Corridor Improvement Plan** of 2004, staff also performed post construction traffic counts in advance of the placement of new temporary park stalls along the south curb line of Central Way. These counts were performed in order to establish a baseline for future analysis of traffic flows along Central Way and surrounding neighborhoods.

At the conclusion of the construction phase the contractor submitted a number of claims for additional work and delays that had been experienced during the Project. In addition, the contractor submitted a request for equitable adjustment on contract pricing due to considerable variances on a number of contract bid quantities (i.e. trench backfill and asphalt, etc.) As provided for in the Washington State Standard Specifications for Road, Bridge and Municipal Construction (the construction specifications used by the City), the contractor was entitled to submit a contract adjustment request. Staff worked diligently with the contractor and negotiated the original claim of more than \$180,000 to a final contract change order of \$107,000. A subsequent negotiated settlement between the City and our design engineering consultant helped to offset the contractor's claim with a contribution by them of nearly \$14,000 of cash and services.

The increased costs for the water project (WA-61) include expenditures for additional system tie-ins at 3rd Street and at Park Place, and increased engineering expenses. The primary cost increases for the sewermain projects (SS-45 & SS-59) include additional expenses for a contractor delay claim at the end of the job and contract unit cost adjustments for material quantity changes. The major overages for the street project include costs for additional engineering, traffic control services, traffic counts, on-street parking striping, field modifications to the fiber optic system and increased material quantities for the overhead conversion phase.

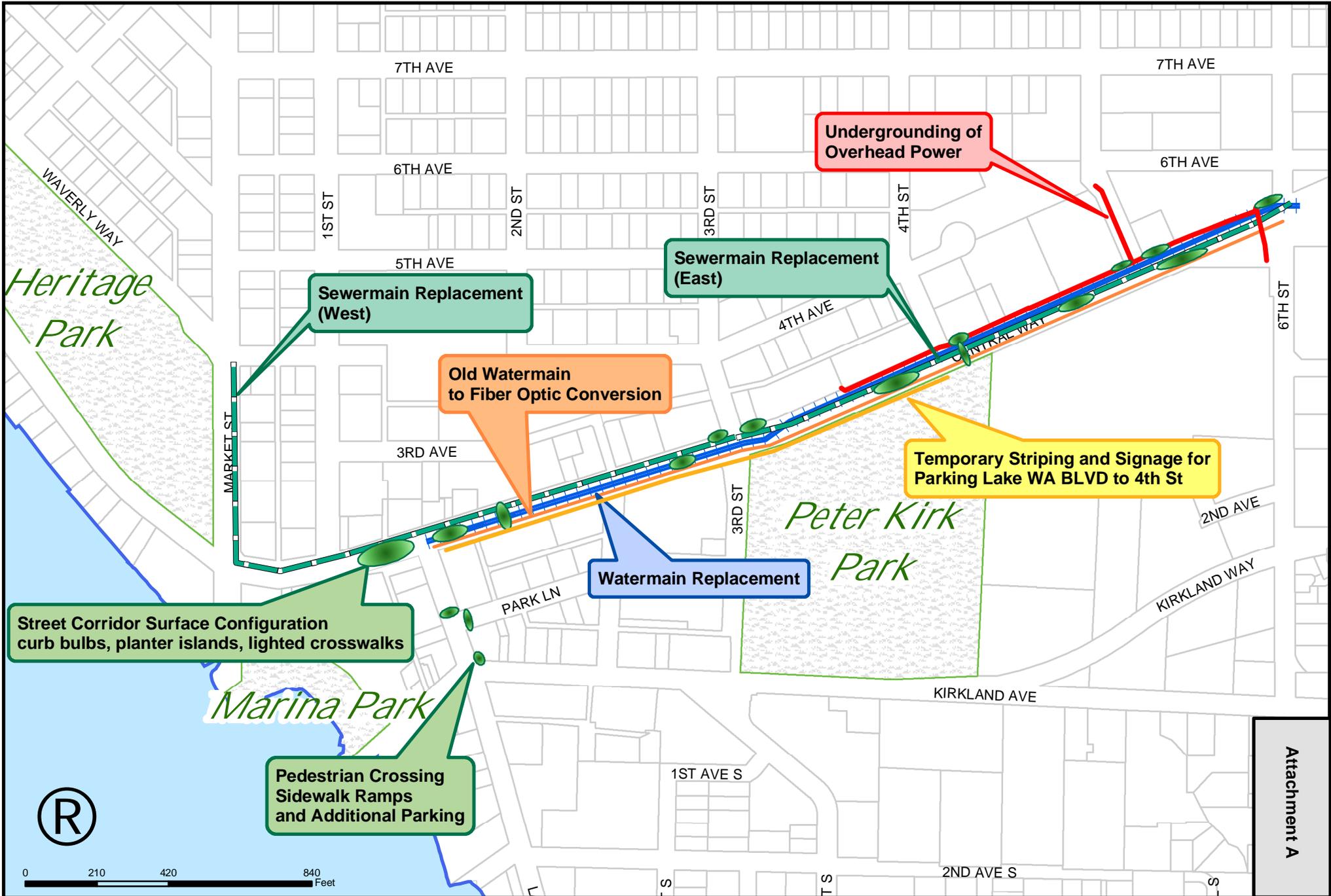
The total revenue and expenses for the project are tabulated below:

CIP Project	engineering and construction		
	revenue	expenses	balance
CWA - 61 watermain replacement	773,000.00	794,365.99	(21,365.99)
	city 773,000.00		
CSS - 45 & 59 sewermain replacement	2,243,800.00	2,336,299.98	(92,499.98)
	city 1,157,500.00		
	PWTF 1,086,300.00		
CST - 74 surface & storm improvements, fiber optic conversion, overhead power conversion	1,078,366.77	1,169,450.50	(91,083.73)
	city 963,919.60		
concomitant, consultant, & utility contribution	114,447.17		
	total 4,095,166.77	4,300,116.48	(204,949.71)

With this memo staff is recommending Council accept the Central Way Improvement Project and increase the Project budget by \$205,000 (Attachment C.) The available funding sources include Street Improvement Fund Reserve and the Water/Sewer Utility Capital Contingency

Attachments: (3)

Cc: Tracey Dunlap, Director of Finance and Administration



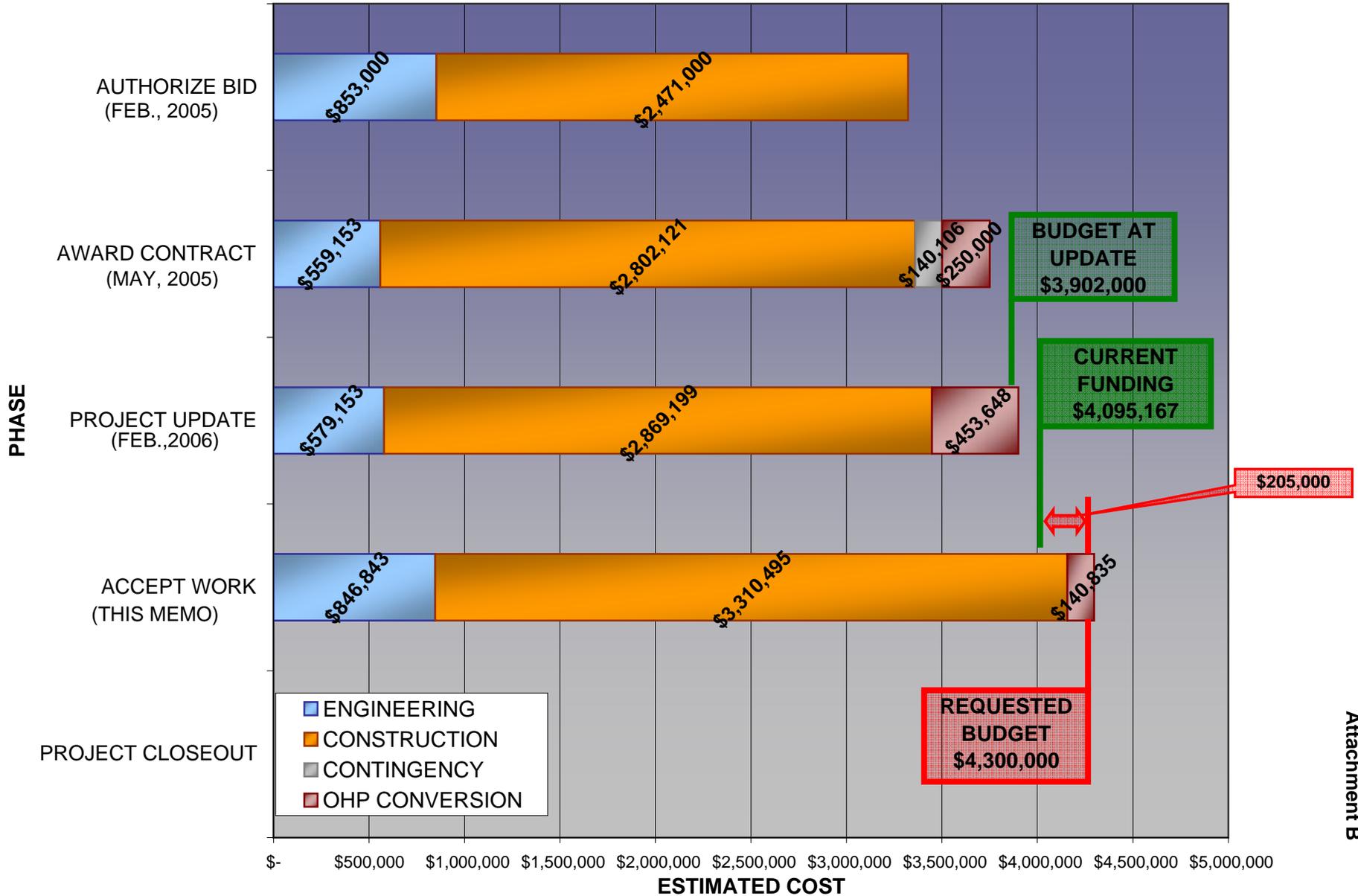
Attachment A



Vicinity Map
Central Way Improvements Project

PROJECT BUDGET REPORT

CENTRAL WAY IMPROVEMENT PROJECT



FISCAL NOTE

CITY OF KIRKLAND

Source of Request							
Daryl Grigsby, Public Works Director							
Description of Request							
Request for additional funding of \$205,000 to complete the Central Way Improvement projects. Additional funding is needed due to unanticipated conflicts with the underground utility work (water and sewer), change orders, and contract adjustments requested by the contractor for variances on contract bid quantities.							
Recommended funding sources: \$91,100 from the Street Improvement Fund Reserve for the street improvements and overhead utility conversion portion and \$113,900 from the Water/Sewer Utility Capital Contingency for the underground utility portion.							
Legality/City Policy Basis							
Fiscal Impact							
One-time use of \$91,100 of the Street Improvement Reserve designated for transportation capital projects. The reserve is fully able to fund this request.							
One-time use of \$113,900 of the Water/Sewer Utility Capital Contingency designated for utility capital projects. The contingency is fully able to fund this request and no future water/sewer CIP projects are delayed or eliminated due to this request.							
Recommended Funding Source(s)							
Reserve	Description	2008 Est End Balance	Prior Auth. 2007-08 Uses	Prior Auth. 2007-08 Additions	Amount This Request	Revised 2008 End Balance	2008 Target
	Street Improvement Reserve	1,121,498	0	0	91,100	1,030,398	N/A
	Water/Sewer Capital Contingency	1,703,640	0	0	113,900	1,589,740	1,703,640
Revenue/Exp Savings							
Other Source							
Other Information							

Prepared By	Sandi Hines, Financial Planning Manager	Date	April 3, 2007
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