



CITY OF KIRKLAND

Department of Public Works

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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 24, 2012

Subject: NE 85th STREET/114th AVENUE NE INTERSECTION IMPROVEMENTS
ACCEPT WORK

RECOMMENDATION:

It is recommended that City Council accept the work on the NE 85th Street/114th Avenue NE Intersection Improvements, as completed by Road Construction Northwest, Inc., of Renton, WA, and establish the statutory 45-day lien period. In addition, it is recommended that Council authorize a budget increase of \$10,000 from the NE 85th Street corridor contingency.

BACKGROUND AND DISCUSSION:

The NE 85th Street Corridor Improvements combine several significant capital projects to provide enhancements for the entire NE 85th Street corridor between 114th and 132nd Avenues NE. The NE 85th Street/114th Avenue NE Intersection Improvements, the subject of this memo, is one component of the overall corridor improvements. Other elements of the corridor improvements identified in the City's Capital Improvement Program are:

- CST 0075 – NE 85th Street Utility Underground Conversion (*now under construction*)
- CTR 0078 – NE 85th Street and 132nd Avenue NE Intersection Improvements
- CTR 0080 – NE 85th Street and 124th Avenue NE Intersection Improvements
- CWA 0140 – NE 85th Street watermain improvements (*modified project in CIP*)
- CNM 0051 – Rose Hill Business District Sidewalks
- CSD 0025 – NE 85th Street Detention and Sediment Control
- CTR 0056 – NE 85th Street Queue Bypass
- CST 0006 002 – NE 85th Street Overlay

The corridor improvements include the currently under construction undergrounding of a significant portion of the overhead utilities, the provision of continuous sidewalks and pedestrian improvements on both sides of NE 85th Street, new sidewalks along both sides of 124th Avenue NE between NE 80th and NE 90th Streets, traffic signal upgrades and additional capacity improvements at key intersections, and related utility improvements (Attachment A).

The intersection improvements at NE 85th Street & 114th Avenue NE provide increased capacity for the southbound-to-eastbound left-turn movement with the



Looking south at NE 85th St/114th Ave NE

construction of a second left-turn lane on the intersection's north leg (Attachment B).

Additional improvements to the intersection include a new traffic signal, video detection, CCTV cameras, fiber-optic connection to the future traffic control center (ITS), new traffic control signage, improved illumination and new electrical services. The intersection improvements also include surface water quality enhancements, new sidewalks, a new crosswalk, new curb ramps with ADA improvements, and the replacement of street trees.

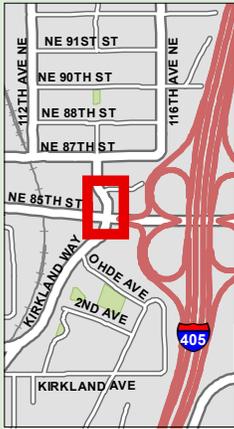
The NE 85th Street/114th Avenue NE Intersection Improvements originally included an eastbound to southbound I-405 queue by-pass component and had an overall approved budget of \$3,166,000. However, during design of the improvements, coordination issues with the WSDOT reached an impasse which was delaying delivery of the balance of the intersection improvements. At their February 15, 2011, meeting, in order to proceed with the turn lane component of the Project, Council authorized the queue by-pass elements to be moved to a new project CTR 0056 -- NE 85th Street HOV Queue Bypass Project along with \$841,000 in funding. Council also approved reprogramming of \$1,005,000 to the overall 85th Street corridor contingency and awarded the construction contract to Road Construction Northwest for \$560,012.03 (Attachment C).

Signal mast arms and other long delivery lead-time items plus traffic control coordination with the adjacent (and now completed) intersection improvements at 6th Street & Central Way delayed the start of construction until late August, 2011; physical completion of the Project was achieved in March, 2012. The total amount paid to the Contractor was \$587,970 which includes three change orders totaling \$27,958. Change orders included a signal controller foundation modification, the relocation of existing junction boxes that were located in the WSDOT right-of-way, and changes to the signal programming in order to provide for post-construction level-of-service enhancements. Including additional inspection time and staff time to administer the Project; total costs exceed the February 15, 2011 budget by \$10,000. Staff recommends using \$10,000 of the overall 85th Street contingency on the Project.

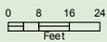
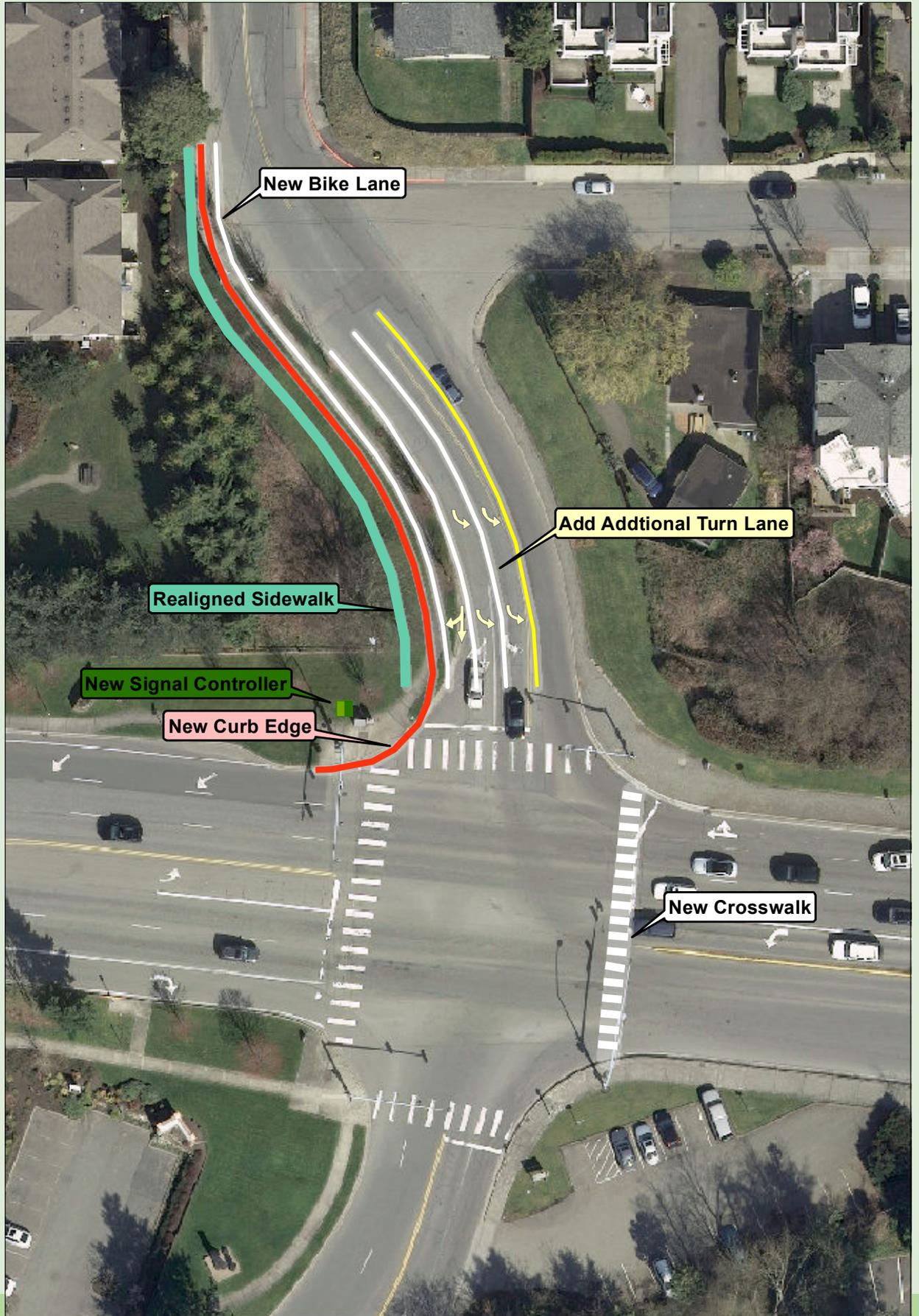
Attachments: (3)

NE 85th St at 114th Ave NE Intersection Improvements

ATTACHMENT B
VICINITY MAP



Vicinity Map



Airphoto 2009



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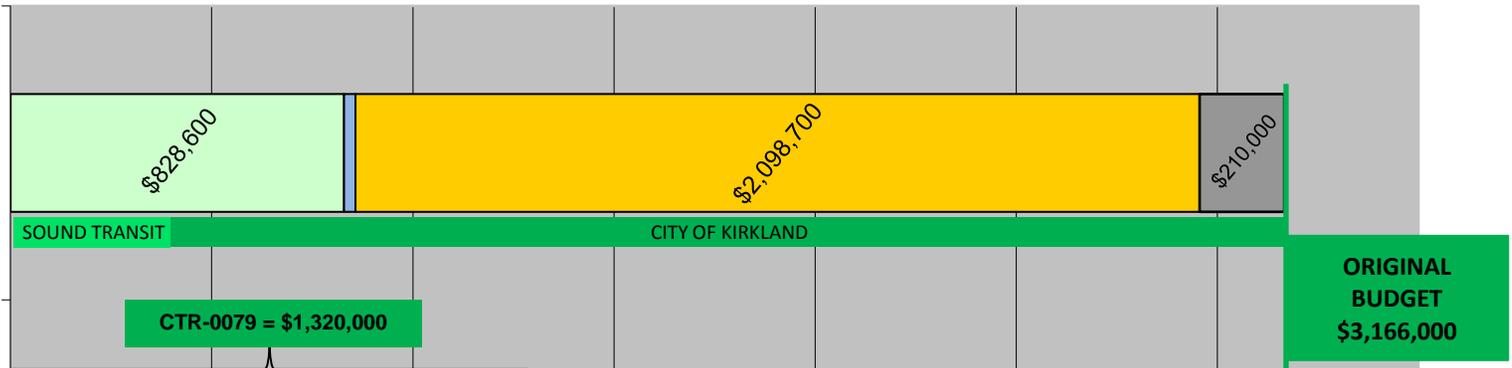
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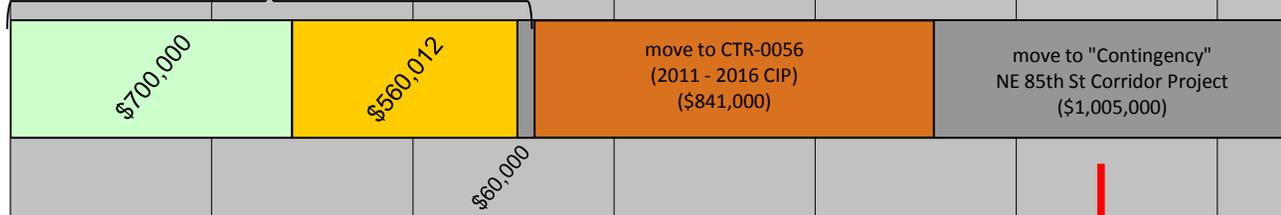
**NE 85th ST/114th AVE NE INTERSECTIONS IMPROVEMENTS
(CTR-0079)
PROJECT BUDGET REPORT**

PHASE

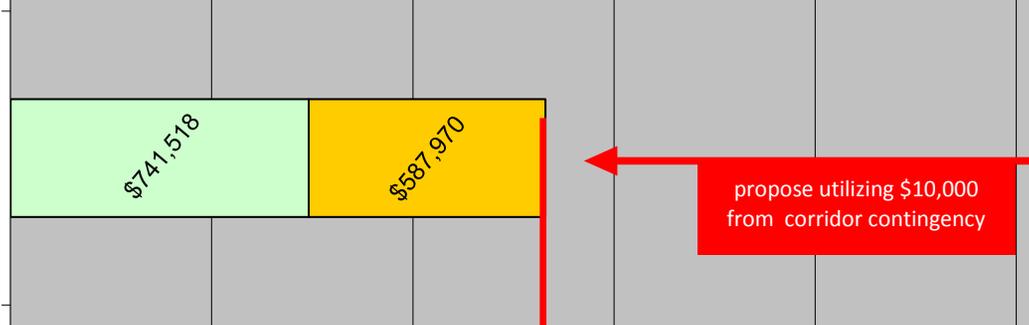
ORIGINAL BUDGET
(2009 - 2014 CIP)



AWARD CONTRACT
(February 2011)



ACCEPT WORK
(This memo)



FINAL REVISION SHEET



- ENGINEERING
- RIGHT OF WAY
- CONSTRUCTION
- CONTINGENCY

\$- \$500,000 \$1,000,000 \$1,500,000 \$2,000,000 \$2,500,000 \$3,000,000 \$3,500,000

ESTIMATED COST

NE 85th STREET CORRIDOR IMPROVEMENTS

PROJECT BUDGET REPORT

