



CITY OF KIRKLAND
Department of Public Works
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MEMORANDUM

To: Kurt Triplett, City Manager

From: Dave Snider, P.E., Interim Capital Projects Manager
Ray Steiger, P.E., Interim Public Works Director

Date: February 3, 2011

Subject: NE 85th Street and 114th Avenue NE Intersection Improvements Project –
AWARD CONTRACT

RECOMMENDATION:

It is recommended that City Council award the contract for construction of the NE 85th Street and 114th Avenue NE Intersection Improvements to Road Construction Northwest, Inc., of Renton, Washington, in the amount of \$560,012.03.

BACKGROUND DISCUSSION:

The NE 85th Street and 114th Ave NE Intersection Improvements were originally included within the NE 85th Street Corridor Improvements; the corridor improvements combine several capital projects and provide various improvements for the entire NE 85th Street corridor between 114th and 132nd Avenues NE (Attachment A). The improvements for the overall Corridor Project include the undergrounding of a significant portion of the overhead utilities, providing continuous sidewalks and pedestrian improvements on both sides of NE 85th Street and along 124th Avenue from NE 80th Street to NE 90th Street, traffic signal upgrades and additional capacity improvements at key intersections, and storm water quality improvements. The right-of-way acquisition process is nearing completion for the aerial utility conversion project (the undergrounding) which will go to bid later this year; however, construction of the NE 85th Street and 114th Ave NE Intersection Improvements was moved ahead of construction for the full Corridor Project.

The intersection improvements at NE 85th Street and 114th Avenue NE will provide increased capacity to the southbound-to-eastbound left-turn movement by building 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. This Project also includes water quality improvements, new sidewalks, a new crosswalk, new curb ramps with ADA improvements, replacement street trees and overall property restoration.

The design of this Project was completed in December, and the Project was first advertised for contractor bids on December 21, 2010. On January 20, 2011, the City received ten contractor bids with Road Construction Northwest Inc., being the lowest responsive bidder; the engineer's estimate for this Project was \$736,516.63 – see bidders list below. The low bid represents a continued competitive bidding climate and is approximately 24% below the engineer's estimate.

BIDDERS LIST

CONTRACTOR	BID AMOUNT
ROAD CONSTRUCTION NW, INC.	\$560,012.03
Universal Land Construction Co.	\$564,275.63
Kamins Construction	\$587,824.94
Construct Company LLC	\$599,254.81
Fardig Development	\$624,882.04
Mid Mountain Contractors, Inc.	\$644,469.29
Westwater Construction Company	\$644,603.88
Johansen Excavating, Inc.	\$651,493.61
END General Construction, Inc.	\$731,507.13
<i>ENGINEER'S ESTIMATE/OPINION OF COST</i>	<i>\$736,516.63</i>
RW Scott Construction Co.	\$886,180.13

The improvements funded for this Project, in combination with other associated projects, comprise the full scope of the NE 85th Street Corridor Improvements. These other projects include:

- TR-0078 – NE 85th St and 132nd Ave NE Intersection Improvements,
- TR-0080 – NE 85th St and 124th Ave NE Intersection Improvements,
- NM-0051 – Rose Hill Business District Sidewalks,
- SD-0025 – NE 85th Street Detention and Sediment Control,
- ST 0075 – NE 85th Street Utility Underground Conversion,
- TR-0056 – NE 85th Street Queue Bypass
- ST-0006-002 – NE 85th Street Overlay

The NE 85th Street and 114th Avenue NE Intersection Improvements had originally included an eastbound to southbound I-405 queue by-pass component; however, coordination issues with the WSDOT had reached an impasse which would have delayed construction of the balance of the intersection improvements. The WSDOT could not approve the construction of the queue by-pass lane without Kirkland also providing for a reconfiguration of the State's current on-ramp. Their requirement is that in order to align with the overall vision for I-405, the HOV lane must be on the inside lane of the on-ramp – it is currently on the outside lane of the on-ramp. Staff will continue to work toward a resolution of this issue; however, in order to advance the balance of the Project (that associated with the NE 85th Corridor Improvements), an additional project, TR-0056 -- NE 85th Street HOV Queue Bypass Project, was created in the 2011-2016 CIP. This component of the project accounted for \$841,000 of the original intersection project scope of work; funding anticipated for this component of the Project is recommended to remain in TR-0056 (Attachment C).

Two issues are worth noting on the attached Project Budget Report: the high engineering fees and the remaining funds in the Project.

Historical engineering/inspection fees associated with traffic signals in the CIP range from approximately 40-50% due to their complexity; in this case, fees are nearly 125%. The first component of this dramatic deviation is a result of an issue that was discussed with Council at their regular meeting of June 2, 2009. During that discussion, staff notified Council that for a number of reasons, outlined in the Council discussion, the design consultant for the Project had been terminated; a considerable amount of staff time and project funds had been spent to that date with minimal product to show. To further compound the matter, after the

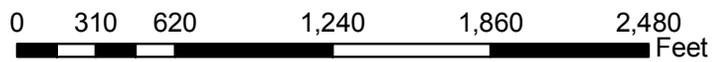
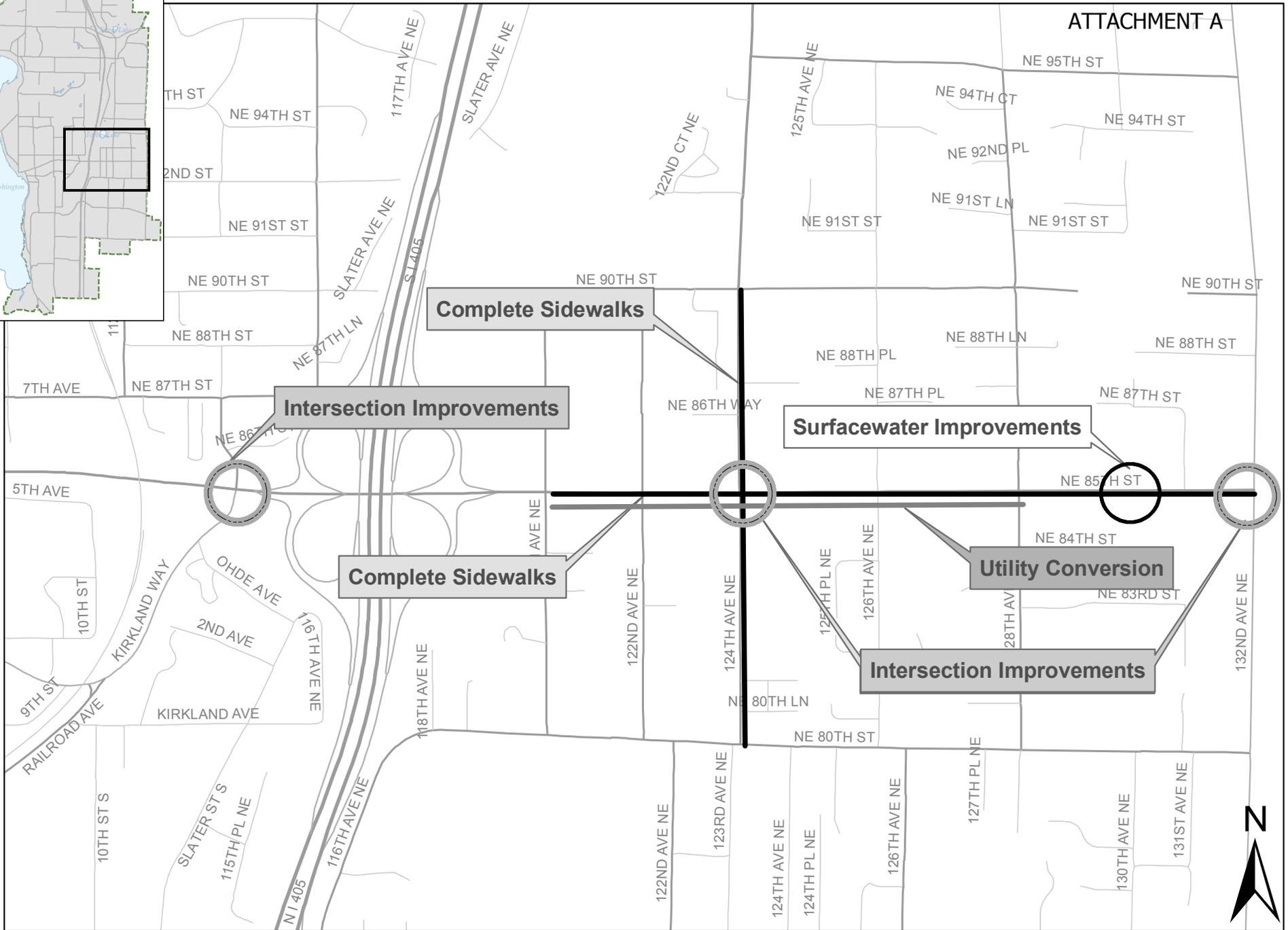
termination and discussion with the City Council, the consultant's office was destroyed in a building fire and most of the work product that the City was counting on receiving was lost. As a result, there were considerable added costs for redesign work under the new contract with the newly hired design consultant. A second component of the higher than normal fees are that a certain amount of work has been accomplished in association with the future queue bypass project; these work efforts, such as surveying, lane alignment design, and associated storm drainage design were necessary in order to perform design of the other elements of the Project. These costs will be recognized by savings in the subsequent queue by pass project.

The second issue of note is that a sizable Project "contingency" remains due in part to the competitive bidding climate. Because the overall NE 85th Street Corridor Improvements remain to be completed and right-of-way acquisition is trending nearly 30% above the amount budgeted for the overall Corridor Project, \$1.5 M currently projected as compared to the \$1.17 M originally budgeted, staff recommends that the funds remain with NE 85th Street Corridor Project elements (Attachment D). Approximately 95 properties are impacted by the overall Corridor Project; underground conversion will impact 33 (four remain to be fully secured) and the sidewalk/street improvements requiring only, for the most part, temporary easements affect approximately 67 parcels – information about the project has been sent to all affected property owners, and efforts to secure easements are pending.

Construction timing of the NE 85th Street and 114th Ave NE Intersection Improvement Project has been coordinated with other scheduled capital projects and their anticipated impacts in the general vicinity. These other projects include intersection improvements at 6th Street and Central Way and at NE 68th St and 108th Ave NE, King County Metro's new sewer force main installation along Kirkland Avenue, and the undergrounding of the overhead utility lines under the Phase I improvements along NE 85th Street, all scheduled for construction in 2011.

By awarding this contract at the February 15th meeting, the Contractor will be afforded an opportunity to order long-lead items associated with new traffic signal projects; poles and signal computer components can take up to 16 weeks to be delivered. As such, the anticipated date for actual groundbreaking activities is June 2011 with substantial completion anticipated by late summer /early fall 2011.

Attachments: (4)

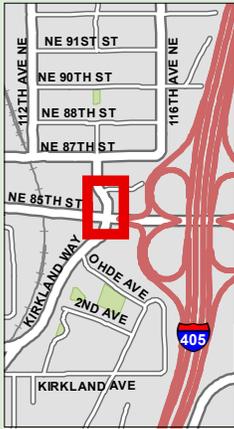


NE 85th Street Corridor Improvements

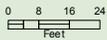
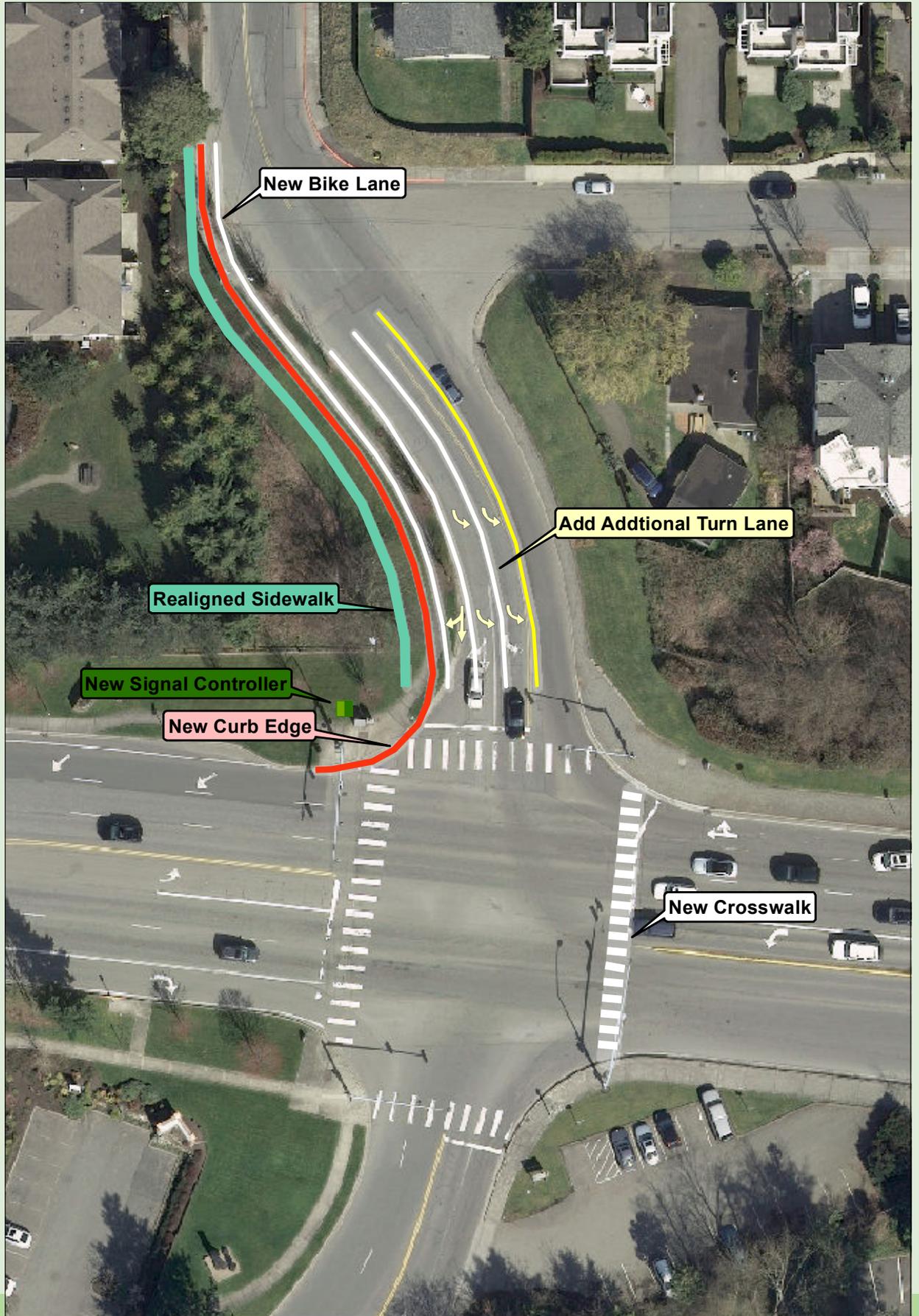


NE 85th St at 114th Ave NE Intersection Improvements

ATTACHMENT B
VICINITY MAP



Vicinity Map



Airphoto 2009

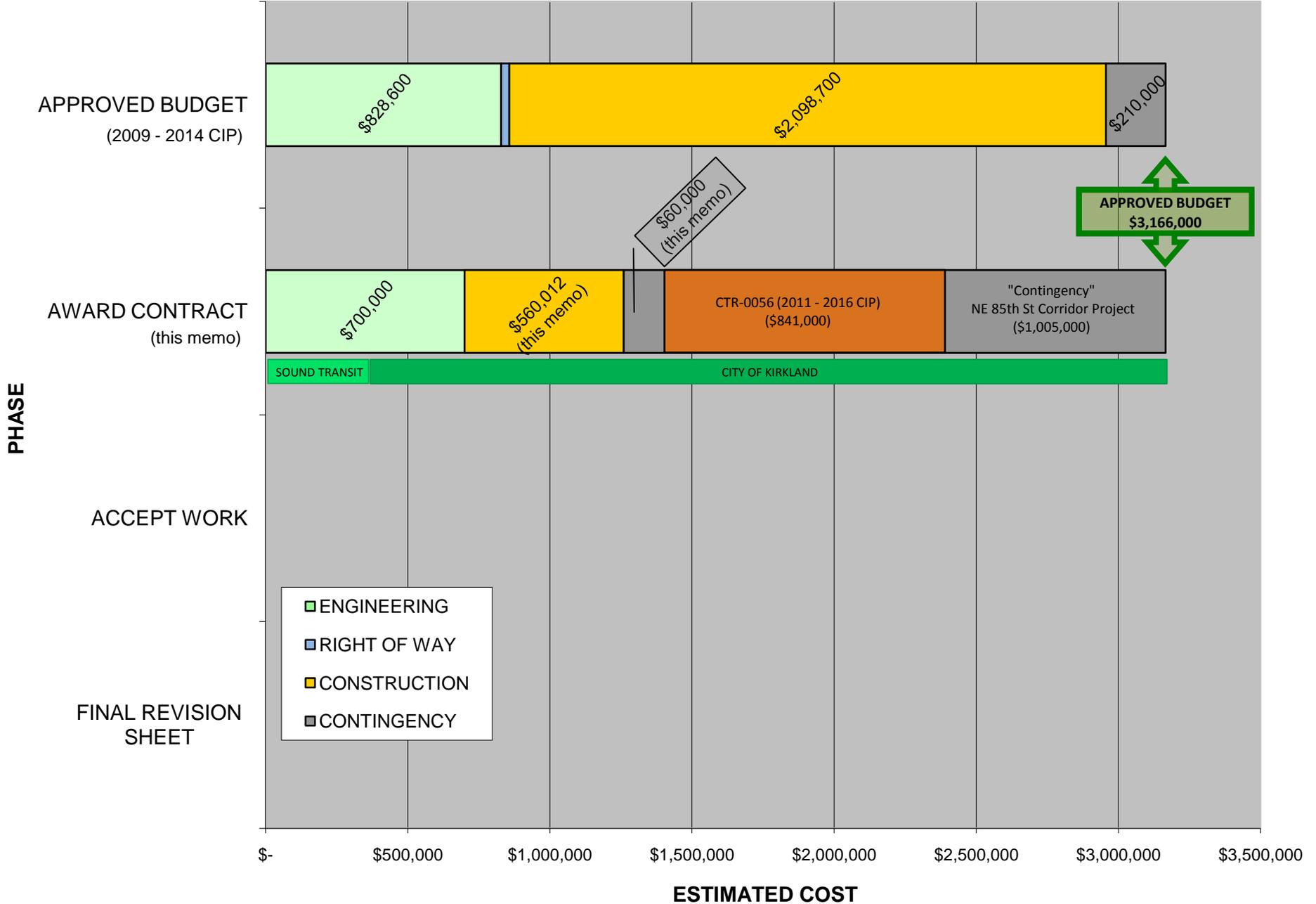


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**NE 85th STREET and 114th AVENUE NE INTERSECTION IMPROVEMENTS
CTR-0079 (Including CTR-0056)
PROJECT BUDGET REPORT**



NE 85th STREET CORRIDOR IMPROVEMENTS

PROJECT BUDGET REPORT

