



**CITY OF KIRKLAND**  
**Department of Public Works**  
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## MEMORANDUM

**To:** Kurt Triplett, City Manager

**From:** Dave Snider, P.E., Capital Projects Manager  
Pam Bissonnette, Interim Public Works Director

**Date:** November 7, 2013

**Subject:** NE 120th Street Extension Project – Status Update & Authorization to Bid

### **RECOMMENDATION:**

It is recommended that City Council:

- Reviews the following Project update,
- Approves a budget adjustment to match the 2013-2018 CIP Update to be adopted in December, and
- Authorizes staff to advertise for contractor bids.

### **BACKGROUND DISCUSSION:**

Beginning in 2007, City Council eliminated the procurement step of staff seeking authorization to bid projects and allowed staff to proceed directly to advertisement for approved CIP projects. The visibility and significance of the subject Project, together with an identified budget adjustment need; however, warrants this memo and update to the Council.

The NE 120th Street Extension Project will provide a new public roadway for NE 120<sup>th</sup> Street, between 124<sup>th</sup> Avenue NE and Slater Avenue NE (Attachment A). The Project has been designed to improve multi-modal mobility as well as provide congestion mitigation and improved emergency vehicle access in the Totem Lake Urban Center. The improvements include a three-lane roadway section, bicycle lanes, planter strip, and sidewalks. The Project also includes a new Intelligent Transportation System (ITS equipped) signal at 124<sup>th</sup> Avenue NE, ITS signal upgrades at Slater Avenue NE, new street lighting, and surface water quality enhancements to treat run-off before it enters Totem Lake.

The Project is also eligible for Greenroads™ Certification as a result of its collection of sustainability best practices that relate to roadway design and construction. The goal of the Greenroads™ Certification program is to reduce impacts on the environment and improve life-cycle costs through the implementation of low impact designs (LID), energy efficient and low light polluting lighting fixtures, and through the use recycled materials in road base and pavements. The design of the NE 120<sup>th</sup> Street Project incorporates numerous Greenroads Certification elements; including a life cycle cost analysis, use of recycled materials, Low Impact Design (LID) surface water control design, the incorporation of intelligent transportation

systems, improved access for multimodal users, and use of warm mix asphalt pavement technologies.

### *Current Estimate and Funding*

The overall Project budget is currently \$6,462,000 with funding comprised of a \$2,502,000 Federal Surface Transportation Program (STP) grant, an \$800,000 Transportation Improvement Board Urban Arterial Program (TIB UAP) grant, \$2,400,000 in City general government funds, and \$760,000 in City surface water utility funds (Attachment B). The engineer's estimate for construction of the Project, including a 10% contingency, is \$3,035,000. However, due to increased right-of-way acquisition expenses, the Project estimated total costs have increased to \$6,509,100, for an increase of \$47,100. The acquisition of right-of-way (ROW) needed to construct the new roadway includes the appropriate and proportional share of acquisition costs applied to surface water funds as a result of additional ROW needs for a large surface water detention vault. A Project budget adjustment was included in the City Council discussion at the September 3, 2013, Study Session and has been carried forward within the upcoming 2013-2018 CIP Update adoption in December. In advance of that adoption, staff recommends that the City Council review and approve the attached Fiscal Note for documenting the requested budget adjustment (Attachment C).

### *Update*

Since the last update to Council in November, 2012, staff has completed all documents required by grant administrators to advertise the Project for contractor bids. The ROW acquisition is also 100% complete and the City has now received final State certification for the required acquisition. Federal and State environmental documents are now complete and include a hazardous material soil management plan. During the ROW acquisition due-diligence phase, two of fifteen soils samples revealed petroleum product-impaired soils in the current Frontier access near the intersection of Slater Avenue and NE 120<sup>th</sup> Street. Further investigation showed the impaired soils to be locally isolated, at depths consistent with fill used to originally construct that access drive years ago. It is not connected to groundwater, and it is at relatively low concentration levels. A Project Soil Management Plan is included in the contract documents and will be implemented by the contractor (if needed) to handle any contaminated soil encountered during the construction phase of the project.

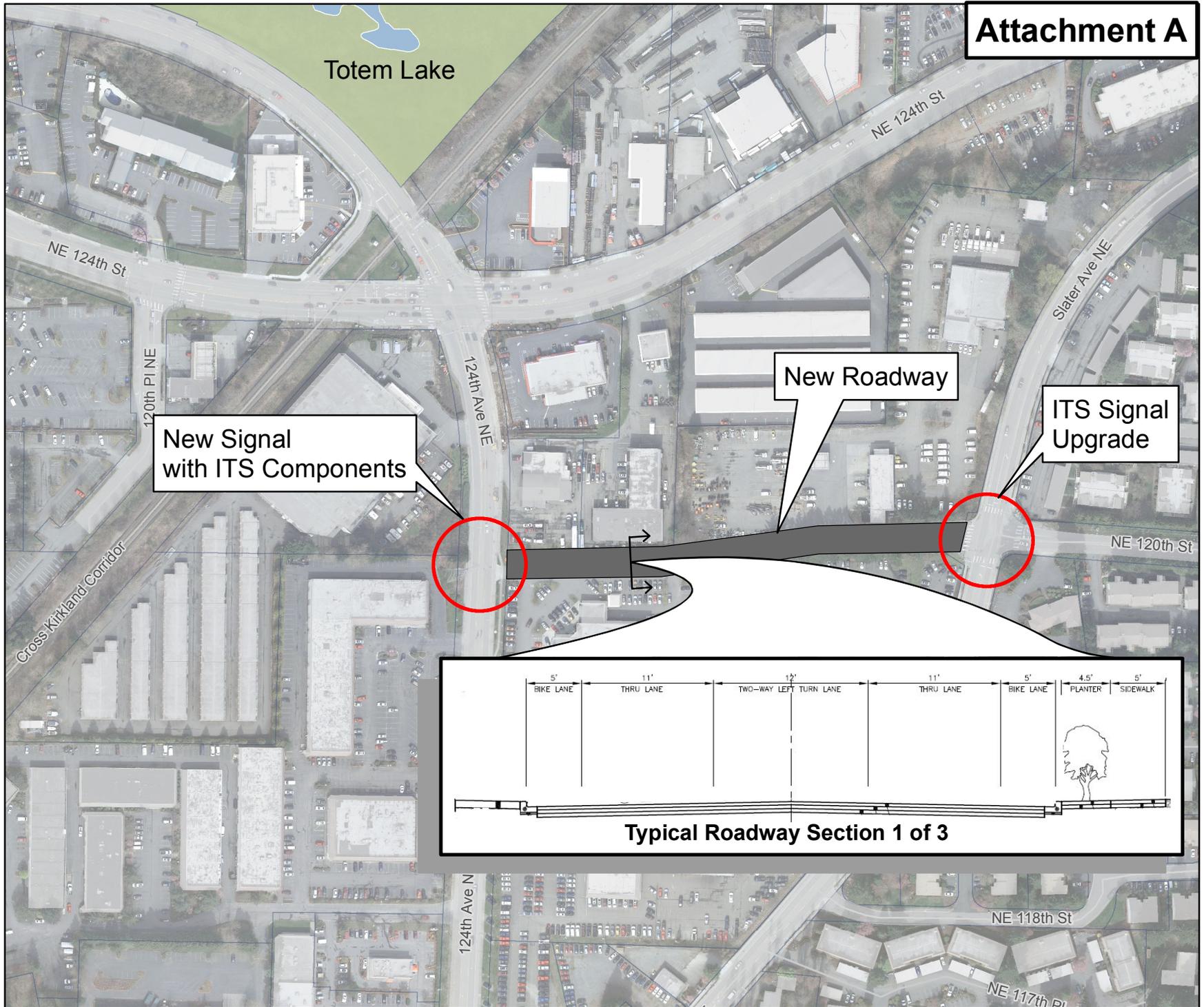
### *Authorization*

With authorization given by City Council at their meeting of November 19, staff will advertise for contractor bids in December. Once the bids are opened, staff will return to City Council with a recommendation for a construction contract award in January, followed by a spring construction start.

- Attachment A: NE 120<sup>th</sup> Street Area Map
- Attachment B: NE 120<sup>th</sup> Street Project Budget Report
- Attachment C: Fiscal Note



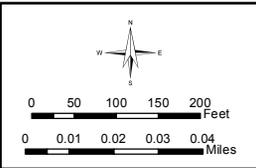
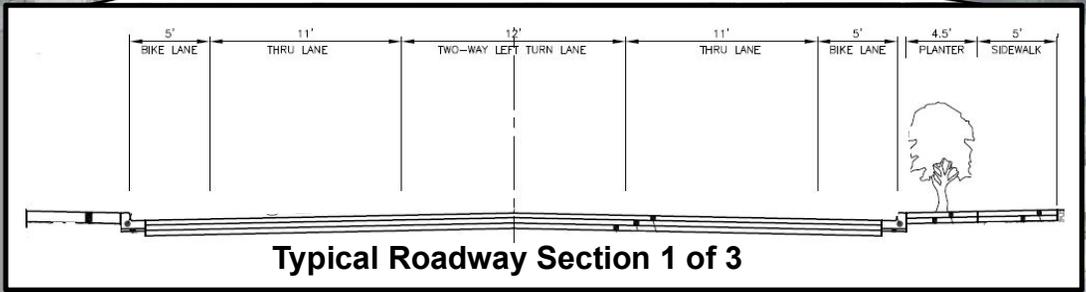
Area Map



New Signal with ITS Components

New Roadway

ITS Signal Upgrade

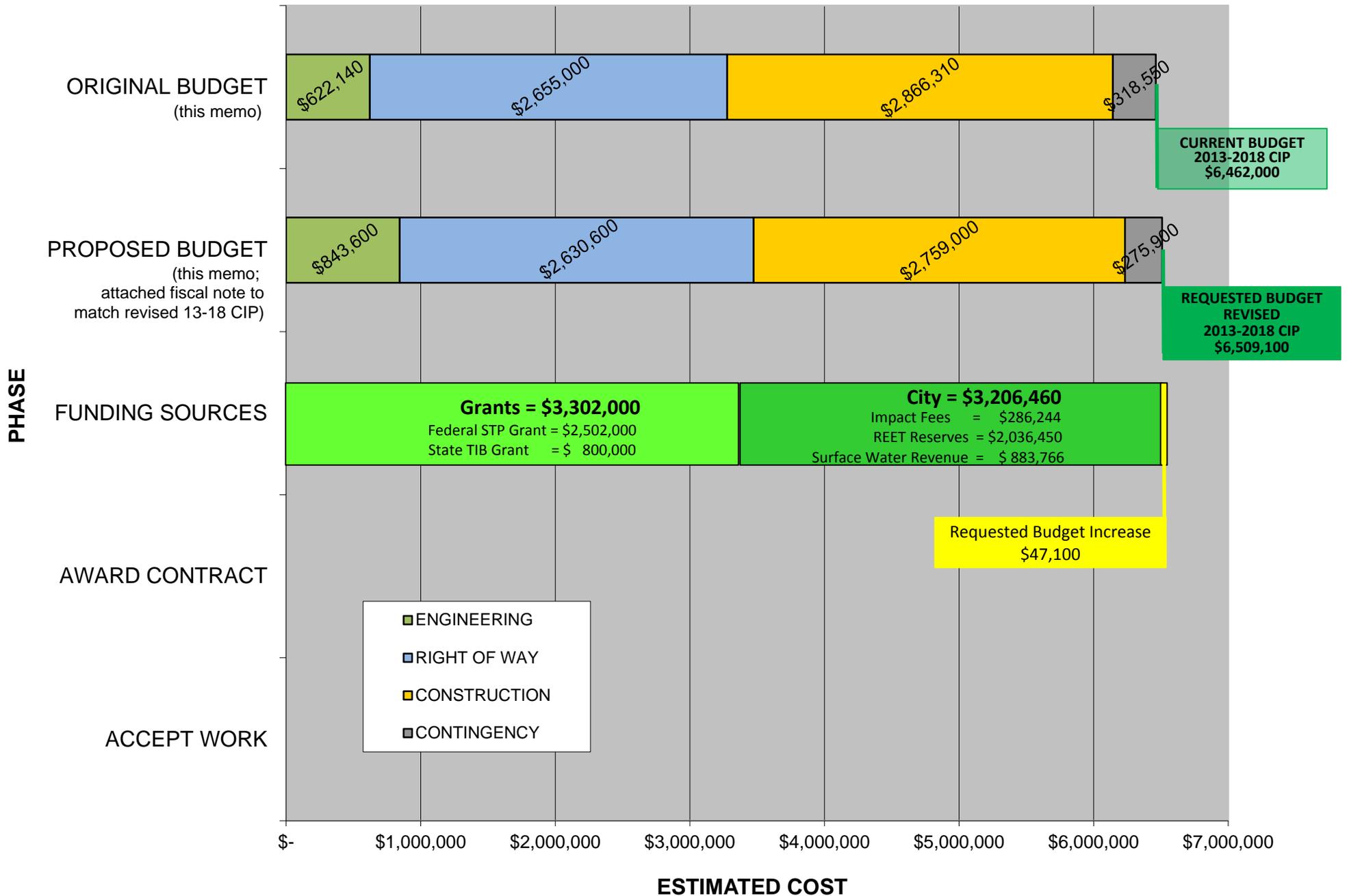


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# Project Budget Report

## NE 120th Street Roadway Extension (CIP # CST 0057)

Attachment B



## FISCAL NOTE

CITY OF KIRKLAND

Source of Request							
Pam Bissonnette, Interim Public Works Director							
Description of Request							
Request for revised funding for NE 120th Street Extension (East) CST 0057 001 as described in the attached memo. Additional funding for Surface Water-related right of way of \$123,766 from the Surface Water Transportation Reserve. Revised funding will return \$77,303 to REET 2 reserves. Total net project cost increased from \$6,462,640 to \$6,509,103.							
Legality/City Policy Basis							
Fiscal Impact							
One-time use of \$123,766 from Surface Water Transportation Reserve. This reserve is able to fully fund this request. Return of \$77,303 to REET 2 Reserves.							
Recommended Funding Source(s)							
<i>Reserve</i>	Description	2014 Est End Balance	Prior Auth. 2013-14 Uses	Prior Auth. 2013-14 Additions	Amount Request	Revised 2014 End Balance	2014 Target
	Surface Wtr. Transportation	4,580,229	50,853	70,000	123,766	4,475,610	N/A
	REET 2 Reserve	2,294,806	366,315	0	(77,303)	2,005,794	1,071,000
	Prior Authorized Uses of Reserves: 1) Surface Wtr. Transportation Reserve: 6th Street Sidewalk (\$25,243). Council is also considering additional funding of \$25,610 for NE 112th Street Sidewalk; the reserve balance assumes approval of these requests. 2) REET 2 Reserve: NE 112th Street Sidewalk (\$214,000), Central Way Sidewalk (\$50,000), 6th Street Sidewalk (\$3,045), 98th Avenue Bridge (\$15,000), Lakeview School Walkroute project (\$3,670), 100th Ave NE Bicycle Lanes project (\$61,600), and Peter Kirk Elementary Sidewalk (\$19,000). Prior Authorized Additions to Surface Water Transportation Reserve: Central Way Sidewalk (\$21,000) and Peter Kirk Elementary Sidewalk (\$49,000).						
<i>Revenue/Exp Savings</i>							
<i>Other Source</i>							
Other Information							
Prepared By	Neil Kruse, Senior Financial Analyst				Date	November 6, 2013	