



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

**To:** Kurt Triplett, City Manager  
**From:** David Snider, P.E., Interim Capital Projects Manager  
Ray Steiger, P.E., Public Works Director  
**Date:** July 21, 2011  
**Subject:** 2011 CROSSWALK UPGRADE PROGRAM – AWARD CONTRACT

**RECOMMENDATION:**

It is recommended that City Council award the construction contract for the 2011 Crosswalk Upgrade Program to Valley Electric of Everett, Washington, in the amount of \$123,942.00 for Schedules A, B, and D.

**BACKGROUND DISCUSSION:**

The Crosswalk Upgrade Program is a City-wide program for maintaining and improving crosswalks throughout the City. The specific work for the 2011 Program consists of furnishing and installing specialty signage and pedestrian crosswalk lights known as Rectangular Rapid Flashing Beacons (RRFBs) at select locations (Attachment A).

RRFBs are user-activated flashing amber lights that supplement pedestrian warning signs at unsignalized intersections and mid-block crosswalks. The devices enhance safety by increasing driver awareness of the presence of pedestrians wishing to cross the street. Other work elements associated with the installation of the RRFBs includes: replacement of existing non-conforming wheelchair ramps with new ADA (Americans with Disabilities) wheel chair ramps and new pavement crosswalk markings. In some instances, a new RRFB also includes the installation of a new electrical power service to operate the amber lights.

**MID-BLOCK RRFB**



The 2011 Program consisted of four proposed locations, as follows:

- Schedule A: NE 124<sup>th</sup> Street at 103<sup>rd</sup> Avenue NE (North Kirkland Community Center)
- Schedule B: Market Street at 18<sup>th</sup> Avenue (leads to Kirkland Junior High School)
- Schedule C: 132<sup>nd</sup> Ave NE at NE 74<sup>th</sup> Street (leads to Rose Hill Junior High School)
- Schedule D: NE 60<sup>th</sup> Street (Benjamin Franklin Elementary School)

The Crosswalk Upgrade Program is a biennial project identified in the Capital Improvement Program. For 2011, the overall budget includes a combination of 2009 and 2011 program funds of \$70,000 per year, plus a contribution of \$45,500 from the 2009 Street Overlay Project. The contribution from the 2009 Overlay Project is as a result of an RRFB that was installed as a part of that Project. After a series of failures of the equipment and the Contractor's inability to provide the RRFB as required, the installation was rejected by the City and removed by the Contractor; all costs were refunded to the City, and it is being installed this year as Schedule A. The product used in the 2009 installation never worked properly and is not the same product that is specified for the 2011 Program. The new product required additional design and engineering. Finally, funding for the 2011 Program also includes \$10,000 from the South Rose Hill and Bridal Trails Neighborhood Association Neighborhood Connection funds specifically targeted for the NE 60<sup>th</sup> Street location (Schedule D); this location was their top priority project. The combination of funding brings the total budget to \$195,500 (Attachment B).

With an engineer's estimate of \$155,000 for all four schedules, staff advertised for contractor bids on June 14, 2011, using a multiple schedule format in order to be able to recommend an award based on a combination of locations to accommodate the available budget. On June 30, 2011, two bids were received with the Valley Electric being the lowest responsive bidder, as shown:

Project Schedule	<i>Engineer's Estimate</i>	<b>Valley Electric</b>	American Elec. Serv.
Schedule A	\$ 44,300	\$ 45,494	\$ 74,306
Schedule B	\$ 42,300	\$ 47,229	\$ 75,979
Schedule D	\$ 32,200	\$ 31,219	\$ 63,734
<b>Recommended AWARD</b>	<i>\$118,800</i>	<b>\$123,942</b>	\$214,019
Schedule C	\$ 36,200	\$ 36,703	\$ 66,291
Optional Award	<i>\$155,000</i>	<b>\$160,645</b>	\$280,310

Based on the bids received, staff has considered two options for contract award:

- Award the top two prioritized projects (Schedules A and B), plus Schedule D which includes the added funding contribution by the Neighborhood Association, or
- Request additional funds of \$37,000 to complete Schedules A, B, C, and D (Attachment B and C)

In order to maximize the currently available funds, it is staff's recommendation that City Council award Schedules A, B and D to Valley Electric in the amount of \$123,942. With design complete, the Schedule C location will be added to the 2013 Crosswalk Upgrade Program for future installation. However, if the Council elects to fund Schedule C, a fiscal note recommending that the \$37,000 be taken from the Street Improvement Reserve is included as Attachment C.

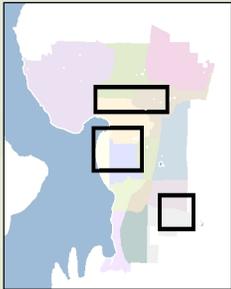
An award of the construction contract by City Council at their August 2<sup>nd</sup> meeting will allow work to begin in September with Project completion in November, 2011. In advance of construction, Public Works staff will notify adjacent property owners and businesses. This information, along with a regularly updated construction schedule, will also be posted on the City's web site and, since the Project includes sidewalk and ADA ramp reconstruction, staff will ensure the contractor maintains safe travel for pedestrians throughout the work areas at all times.

Attachments: (2)

# 2011 Crosswalk Upgrade Program (CNM-0912)

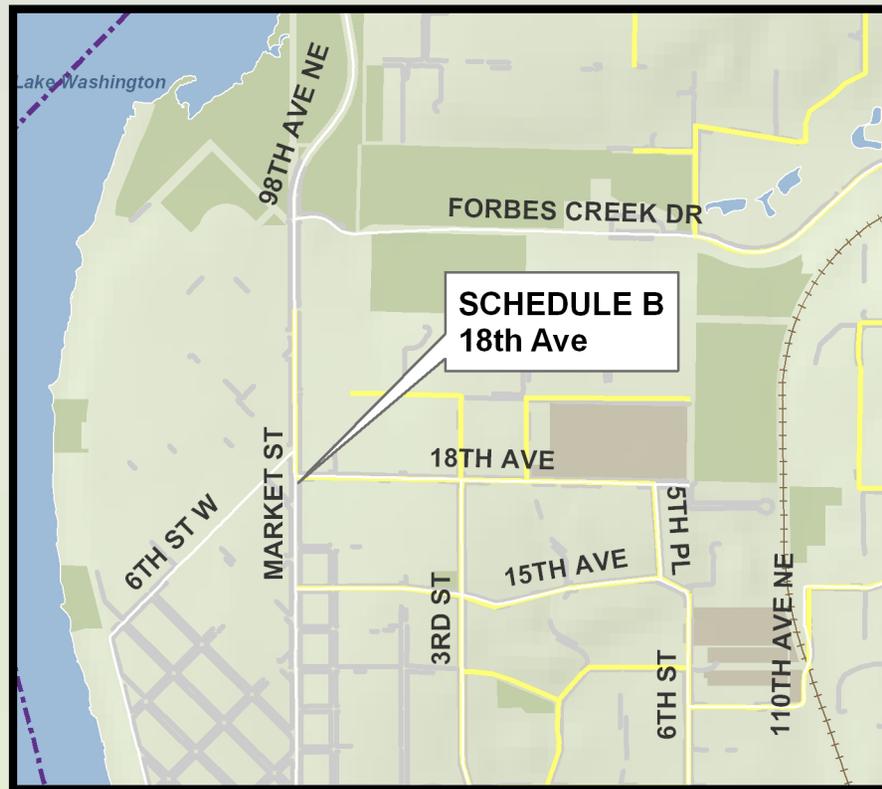
## LEGEND

- Sidewalks
  - Parks
  - Schools
  - Streets
- School Walk Routes**
- School Name
- A.G. Bell Elementary
  - Ben Franklin Elem
  - Juanita Elementary
  - Lakeview Elementary
  - Peter Kirk Elem
  - Rose Hill Elementary
  - Twain Elementary



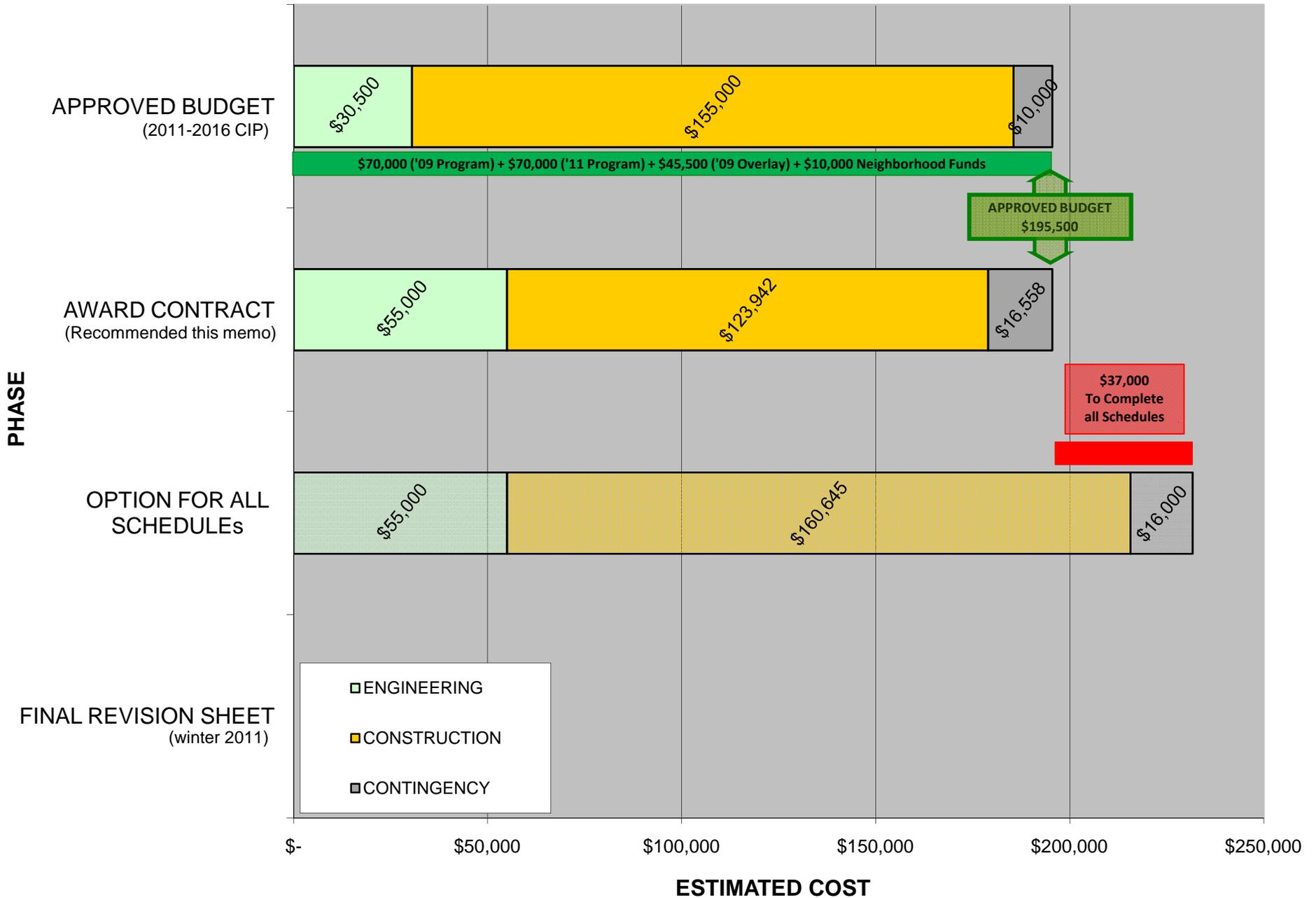
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Author:  
Name: 2011 Crosswalk Upgrade Program  
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**2011 Crosswalk Upgrade Program  
(CNM-1112)  
Project Budget Report**

**Attachment B**



**FISCAL NOTE**

**Source of Request**

Ray Steiger, Public Work Director

**Description of Request**

Request for funding of \$37,000 from the Street Improvement Reserve to add "Schedule C" for the 2011 Crosswalk Upgrade Program as described in the memo to Council on the August 2, 2011 Council meeting agenda.

**Legality/City Policy Basis**

**Fiscal Impact**

**One-time use of \$37,000 from the Street Improvement Reserve.** The reserve is able to fully fund this request.

**Recommended Funding Source(s)**

	Description	2012 Est End Balance	Prior Auth. 2011-12 Uses	Prior Auth. 2011-12 Additions	Amount This Request	Revised 2012 End Balance	2012 Target
<b>Reserve</b>	Street Improvement Reserve	1,092,258	5,000	0	37,000	1,050,258	N/A
	2011-12 Prior Authorized Use of this reserve: \$5,000 for 520 Tolling Impact Traffic Counts						
<b>Revenue/Exp Savings</b>							
<b>Other Source</b>							

**Other Information**

Prepared By	Neil Kruse, Senior Financial Analyst	Date	July 21, 2011
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