



CITY OF KIRKLAND

Department of Public Works

123 Fifth Avenue, Kirkland, WA 98033 425.587.3800

www.kirklandwa.gov

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: NE 85TH STREET VIDEO DETECTION - AWARD CONTRACT

RECOMMENDATION:

It is recommended that City Council award the construction contract for the NE 85TH Street Video Detection Project to Valley Electric of Everett, Washington, in the amount of \$36,389.00.

BACKGROUND DISCUSSION:

The NE 85th Street Video Detection Project is included within the NE 85th Street Corridor Improvements; the corridor improvements combine several capital projects and provide various enhancements for the entire NE 85th Street corridor, between 114th and 132nd Avenue NE (Attachment A). The improvements for the overall corridor include providing continuous sidewalks and pedestrian improvements on both sides of NE 85th Street, and along 124th Avenue NE between NE 80th Street and NE 90th Street, traffic signal upgrades and additional capacity improvements at key intersections, storm water quality improvements, and the undergrounding of a significant portion of the overhead utilities. The right-of-way acquisition process for the aerial utility conversion project (Undergrounding) that will go to bid within the coming weeks is nearing completion. In advance of that work, and to maintain traffic flow throughout the corridor, construction of the Video Detection Project is the first order of work and is intended to proceed all subsequent phases.

The Video Detection Project will replace the existing in-pavement traffic loop detection system with the installation of signal pole mounted video camera detection equipment. The video equipment allows traffic signals to function properly under the disturbances of construction activities. It also allows the traffic signals to operate properly as traffic lanes are shifted for construction work; the video equipment can quickly (within minutes) be adjusted to accommodate shifting traffic patterns. The pre-purchased equipment includes cameras and signal cabinet apparatus that has been designed for, and will remain a part of, all future traffic signal updates along the corridor.

With an engineer's estimate of \$41,600, the Project was first advertised for contractor bids on June 16th. On June 30, 2011, the City received four contractor bids with Valley Electric being the lowest responsive bidder, as listed below:

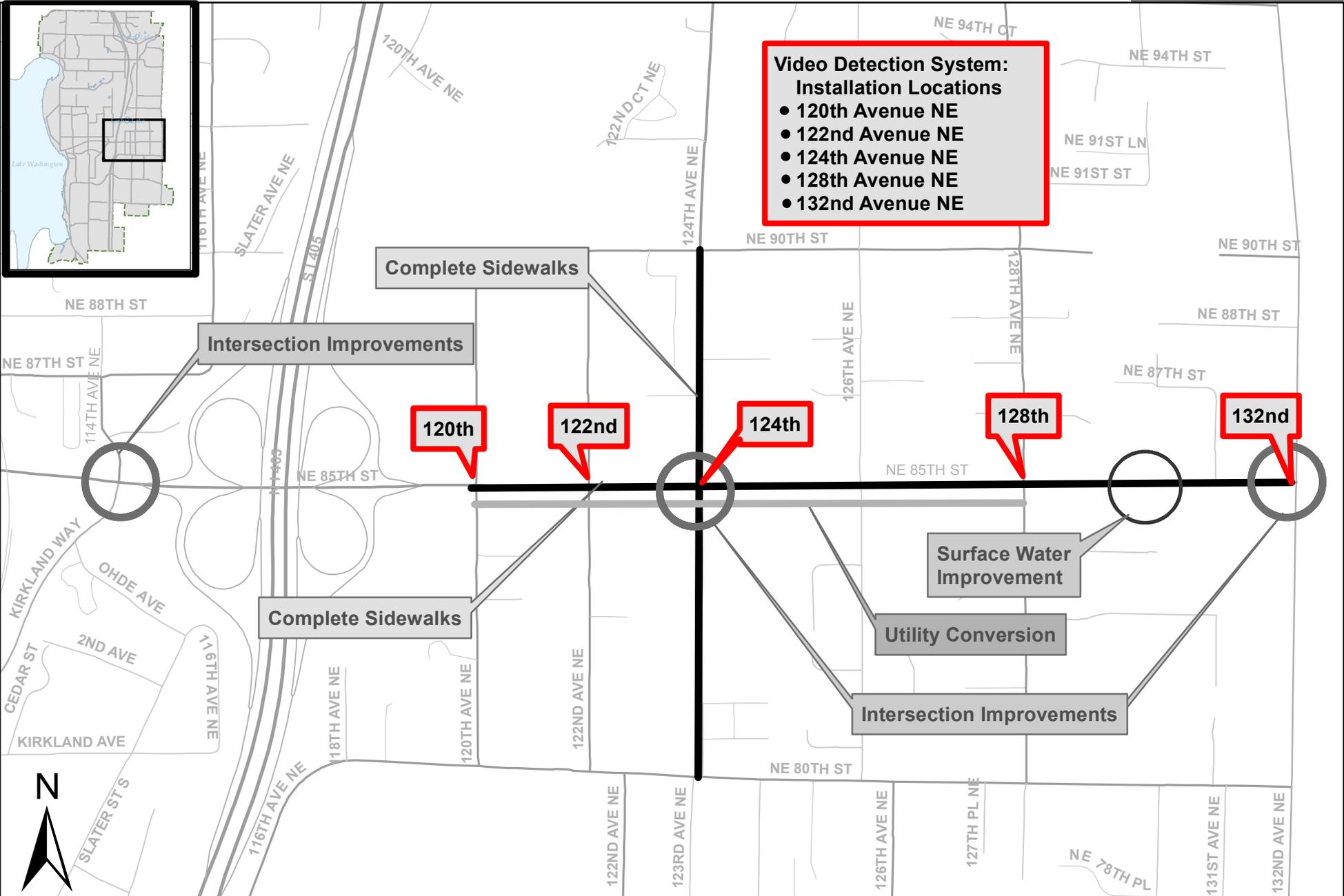
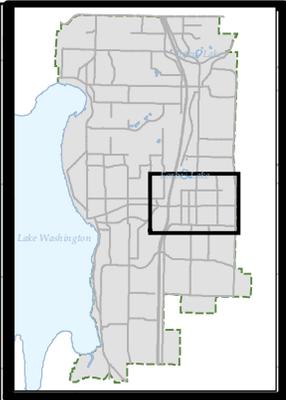
Contractor	Total Bid
Valley Electric	\$36,389
Prime Electric	\$36,812
American Electrical Services	\$40,599
<i>Engineers Estimate</i>	<i>\$41,600</i>
Aaac Electric Corporation	\$48,962

As the various elements of the overall Corridor Project Improvements continue to come to fruition, staff remains busy keeping residents, business owners, and other interested parties well informed on the different elements of the Project. The most recent form of communication to be distributed is the *NE 85th Corridor Project Newsletter* (Attachment C). The *Newsletter* provides in-depth information regarding the overall general scope, individual project locations, the different stages, and general Project scheduling. The *Newsletter* also invites those who are interested to participate in a to-be-formed Construction Advisor Group (CAG). It is anticipated that the CAG will be made up of business members and impacted stakeholders along the NE 85th Street corridor in order to keep information flowing freely, as we all to work together towards options for effective mitigation of construction impacts. A key goal of the CAG will be to keep stakeholders directly involved in the discussion of difficult issues, leading to cooperative solutions as the much larger Project elements begin to occur; staff expects to return to City Council for actions on both the Undergrounding Phase and the 124th Avenue NE Sidewalk Phase of the Corridor Project during the next couple of months.

Staff has also been closely coordinating with the various utility companies regarding their facilities within the right-of-way and, starting in August, PSE will be relocating their existing poles to locations that will be behind the planned sidewalk improvements along 124th Avenue NE, between NE 80th and NE 90th Streets. This work is expected to take four weeks with an anticipated completion in September, ahead of when that Phase of the City's Project is scheduled to begin.

By City Council awarding the contract for the NE 85th Street Video Detection Project at their August 2nd meeting, the Contractor will begin work in late August followed by a completion in October, 2011. This particular element of work is limited to the mounting of cameras on existing signal pole mast arms, and to adding computer hardware within existing signal controller cabinets. As a result, the work efforts will have only minor impacts to local businesses, pedestrians and the motoring public.

Attachments: (3)



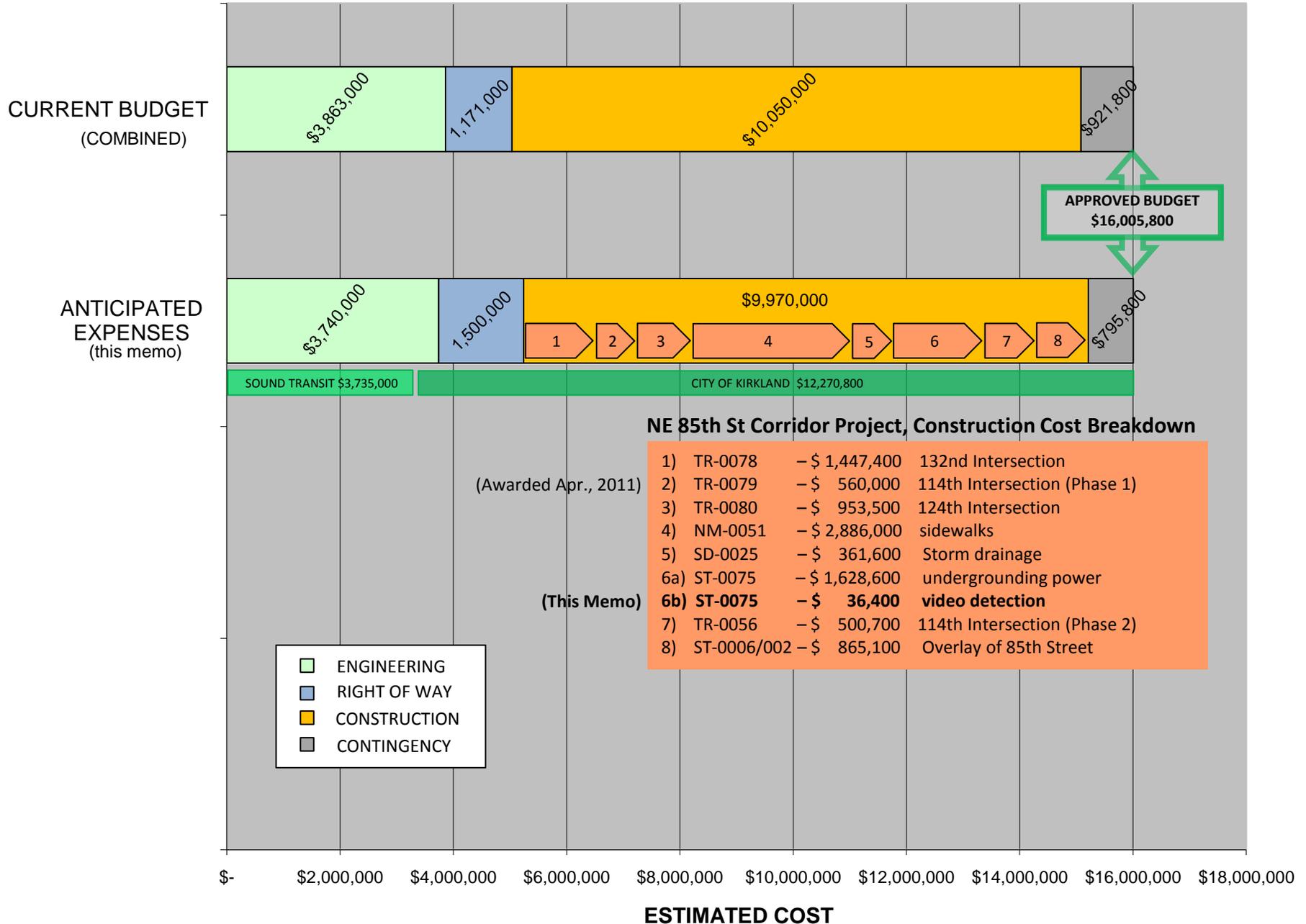
- Video Detection System:
Installation Locations**
- 120th Avenue NE
 - 122nd Avenue NE
 - 124th Avenue NE
 - 128th Avenue NE
 - 132nd Avenue NE



Vicinity Map
NE 85th Street Corridor Improvements
Video Detection Project

NE 85th STREET CORRIDOR IMPROVEMENTS

PROJECT BUDGET REPORT



Key Stakeholders Needed for Advisory Group.

A Construction Advisory Group (CAG) for business members along NE 85th Street corridor will be formed as a means of involving impacted stakeholders on construction impacts and options for mitigation.

The key goals of the CAG will be to facilitate information from the community, City and the contractor to increase understanding of problems to be addressed during construction. The CAG will work cooperatively on solutions.

If you are interested in serving on the CAG, please contact Kari Page before August 15, 2011.



Kari Page
Neighborhood Outreach Coordinator
KPage@kirklandwa.gov
425-587-3011



City of Kirkland
Public Works Department
Capital Improvement Program
123 Fifth Avenue
Kirkland, WA 98033



NE 85th STREET CORRIDOR IMPROVEMENT PROJECT



July 2011

Transforming NE 85th Street into a more efficient, pedestrian friendly, and visually pleasing corridor.

Project Goals:

- ◆ Reduce traffic congestion and increase capacity at key intersections.
- ◆ Provide continuous sidewalks and landscape planter strips.
- ◆ Underground overhead utility lines.
- ◆ Resurface and stripe street.

Location: The NE 85th Street Corridor is located east of the City's downtown and Interstate 405. Planned improvements to reduce traffic congestion and enhance pedestrian safety will begin construction summer 2011 and continue into 2013.

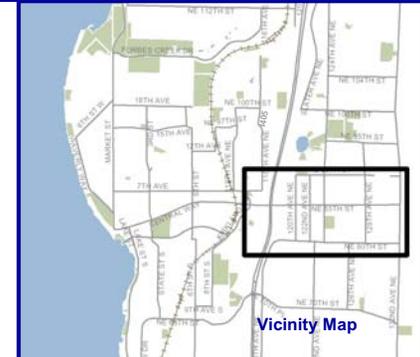
Subarea Plan: The NE 85th Street Corridor Improvements Project originated from Kirkland's NE 85th Street Subarea Plan adopted by the City Council in April 2001. The Plan goals include improving the visual character of the Rose Hill commercial area, strengthening economic vitality of the business district, encouraging redevelopment of under-utilized commercial centers, and enhancing amenities for pedestrians, automobiles, and transit.

Project Objectives: The Project addresses specific elements of the Subarea Plan by enhancing the overall pedestrian safety and aesthetics, and increasing access, speed, reliability, and ridership of transit. Sound Transit contributed to Phase 1 and 3. The remaining funding comes from the City's Capital Improvement Program (CIP).



Vision for NE 85th Street Corridor

Project Timeline: The Project has been phased both in time and location to minimize impacts during construction. Construction on the first phase starts July 2011 (after completion of the intersection improvements at 6th Street and Central Way) and will continue through 2013.



Vicinity Map

The City of Kirkland is
committed to keeping you
informed.

See Project information and subscribe to receive Project updates via email. Web site:
www.Kirklandwa.gov/85thStreet

Watch for quarterly newsletters highlighting each construction phase.

Call the Construction Hot Line:
425-587-3838

Talk with Project Contacts:
Rod Steitzer
Project Engineer
rsteitzer@kirklandwa.gov
425-587-3825

Kari Page
Neighborhood Outreach Coordinator
kpage@kirklandwa.gov
425-587-3011



Projected Construction Phases

Construction phases will be staggered to minimize traffic congestion and reduce construction impacts. Map colors indicate phases described in chart below.

Phase	Description	2011		2012		2013	
		S	F	S	F	S	F
Phase 1	NE 85th Street Intersection Improvements •114th Ave NE: install additional southbound 114th Ave NE to eastbound NE 85th St left turn lane. •124th Ave NE: add traffic island at NE 124th Ave NE for future eastbound to northbound turn lane. •132nd Ave NE: add northbound 132nd Ave to eastbound NE 85th St right turn lane.						
Phase 2	Undergrounding Powerlines •120th Ave NE to 128th Ave NE: underground utility wires. •128th Ave NE to 132nd Ave NE: install conduit for future undergrounding of utility wires.						
Phase 3	Sidewalks with landscape planter strips where there are none •124th Ave NE: provide continuous sidewalks on both sides of 124th Ave NE between NE 80th St and NE 90 St. •NE 85th St: provide continuous sidewalk on both sides of NE 85th St between 120th Ave NE and 132nd Ave NE.						
Phase 4	Resurface Street •NE 85th St Corridor: preserve the City's infrastructure and reduce costly repairs by overlaying street.						



Vision for NE 85th Street Corridor

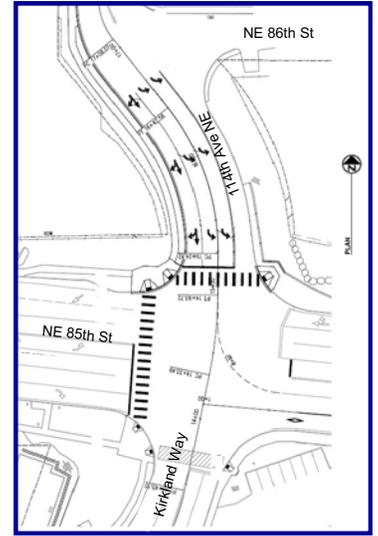


NE 85th Street Intersection Improvements 114th Ave NE: Construction scheduled to begin end of July 2011

What: We are pleased to announce that the construction of 114th Avenue NE and NE 85th Street Intersection improvements is about to begin; kicking off Phase I of the NE 85th Street Corridor Improvements. As the first of three intersection improvements, this Project builds a second southbound-to-eastbound left turn lane at the 114th Ave NE/NE 85th Street intersection. The Project also improves traffic signal controller equipment and adds Intelligent Transportation System elements to coordinate signal timing along the corridor and create a pathway for connection to the future Traffic Control Center.

When: Construction for this intersection is scheduled to begin late July 2011 and is expected to be complete by winter 2011. Work hours are scheduled between 7:00 am and 6:00 pm each week day.

- What to Expect:**
- Traffic will be reduced to one lane northbound and one lane southbound on 114th Ave NE north of NE 85th Street.
 - Traffic control and flagging operations will be in effect.
 - Pedestrians and bicycles will be accommodated but should use precautions when traveling in the vicinity and follow all signed detours.
 - Adjacent properties will be notified in advance of utility shutdowns, if any.
 - No-parking signs will be posted 24 hours in advance of all parking restrictions.
 - Emergency vehicle access will be maintained throughout construction.
 - Trenches will be backfilled and/or covered at the end of each day so there will be no open trenches over night.



114th Ave NE/NE 85th Street Planned Configuration

- Easy access to information:**
- Obtain current information: go to www.kirklandwa.gov/85thStreet.
 - Call the 24 hour construction hotline for updates: (425) 587-3838.
 - Contact the Engineer with questions or comments: Don Anderson, P.E. (425) 587-3826 danderson@Kirklandwa.gov

Thank you for your patience and cooperation as we make improvements to this important intersection.



Watch for quarterly newsletters highlighting each new construction phase.

