



**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  
Ray Steiger, P.E., Public Works Director  
**Date:** February 9, 2012  
**Subject:** 12<sup>TH</sup> AVENUE SIDEWALK – ACCEPT WORK

### **RECOMMENDATION:**

It is recommended that City Council accept the work on the 12<sup>th</sup> Avenue Sidewalk Project, as completed by Reed Trucking, Puyallup WA, and establish the statutory 45 day lien period.

### **BACKGROUND DISCUSSION:**

The 12<sup>th</sup> Avenue Sidewalk Project provided for the construction of 800-feet of new concrete sidewalk and a completed element within the Peter Kirk Elementary School Walk Route network. While located in the Norkirk Neighborhood, the Project also serves to connect the Norkirk and Highlands Neighborhoods (Attachment A).

The City was selected to receive State Transportation Improvement Board (TIB) funding through its Sidewalk Program. The City was awarded \$200,000 in grant funds and through the Capital Improvement Program (CIP), City Council approved an additional \$272,000 of City funds for a total Project budget of \$472,000 (Attachment B).

In addition to providing a continuous pedestrian/school walk route sidewalk for the Neighborhoods and for Peter Kirk Elementary, the Project also supports a number of other neighborhood goals, including:



Pedestrian Bridge over Creek

- The protection and improvement of the natural environment through enhancements of existing wetland buffers near the eastern limits of the Project;
- The enhancement of the urban forest through the installation of new trees, both in an existing wetland buffer and with added street trees along 12<sup>th</sup> Avenue, and
- The providing of an educational opportunity through the placement of an informational sign near the existing stream and associated wetlands, defining their critical functions and the importance of protecting the environment.

City Council awarded the construction contract to Reed Trucking at their May 17, 2011 meeting in the amount of \$178,256; construction began on June 28 and was substantially complete in October, 2011. The total amount paid to the contractor was \$206,355 with the increase coming as a result of added material quantities and five additive change orders. The change orders, totaling \$26,711, came mostly as a result of significant differing site and soils conditions associated with the stream and surrounding sensitive areas; staff worked closely with the contractor, various State agencies and the City's Planning Department to effectively work through these issues so as to minimize impacts to the sensitive areas.



Wetland Enhancement Plantings

The Project's budget was also impacted by a reduction in grant funding through the TIB. The original grant fund amount was subject to the outcome of the contract price awarded and, upon award of an amount that was less than the engineer's estimate, staff was notified that \$9,200 of grant funding was no longer available – staff worked closely with the TIB Engineer administering the grant funds in an effort to retain the funds; however, the TIB's standard policy in this regard is absolute and those remaining funds were re-programmed elsewhere. The net result is a revised and final grant amount of \$190,800 (Attachment B).

The Project also experienced increased expenditures for engineering, permitting, public outreach and contract administration mostly as a result of the sensitive/wetlands area at the eastern limits of the site. There were many staff and consultant hours spent in permitting negotiations with various regulatory agencies, as well as the school district in reaching a reasonable outcome for providing a practical, safe and regulatory based walking surface. The product of these negotiations is a combination of standard pavement, pervious concrete, a pin-pile boardwalk and wetland enhancements to mitigate the impact of added impervious surface. In addition, the use of school property for these improvements was negotiated with a no-cost right-of-way dedication and a maintenance easement being secured.



As a result of work performed in the adjacent wetlands and surrounding sensitive area, as per Kirkland Municipal Code, there is a requirement to provide four years of area monitoring and plant establishment. During the design phase, based on previous projects, it was anticipated that up to \$40,000 would be needed to perform the required monitoring and maintenance efforts; however, as the project proceeded, it became known that a robust volunteer network

exists among Peter Kirk Elementary School staff and parents, together with Norkirk and Highlands Neighborhood Association members. Staff has now secured a commitment from the network that monitoring and maintenance will be done by them as a part of their ongoing stewardship of the area. With this volunteer resource in place, the amount of remaining Project funds will be adequate for purchasing replacement plant material, as well as providing limited staff hours for oversight. The outcome of this volunteer commitment is to allow the project to be completed within the Project budget of \$462,800 (Attachment B).



The completion of this Project, combined with others that were identified by the 2001 School Walk Route Advisory Committee (Attachment C), brings to nearly 90% of the identified routes being completed. For 2012, two more improvements, 104<sup>th</sup> Avenue/NE 68<sup>th</sup> NE (LV3h) and NE 100<sup>th</sup> Street sidewalk improvements (PK6) have each received external grant funding and are scheduled to be completed.

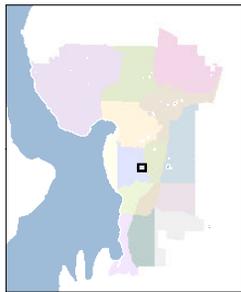
Attachments: (3)

**12th Avenue Sidewalk Improvements CNM-0066**

**MAP LEGEND**

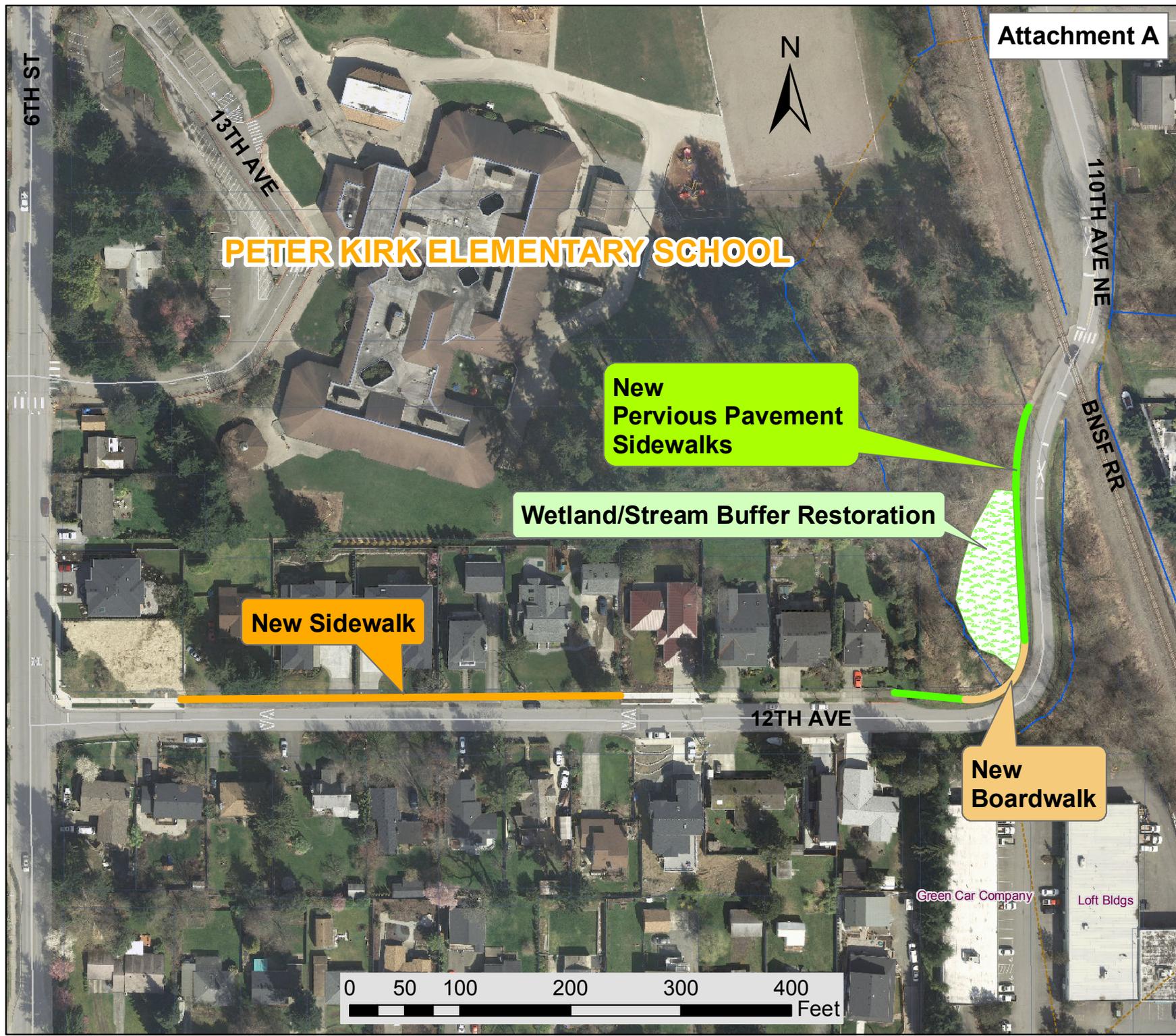
- Streams in Pipe
- Open Streams
- Major Streets
- Railroad

- New Sidewalk**  
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- New Pervious Sidewalk**  
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- New Boardwalk**  
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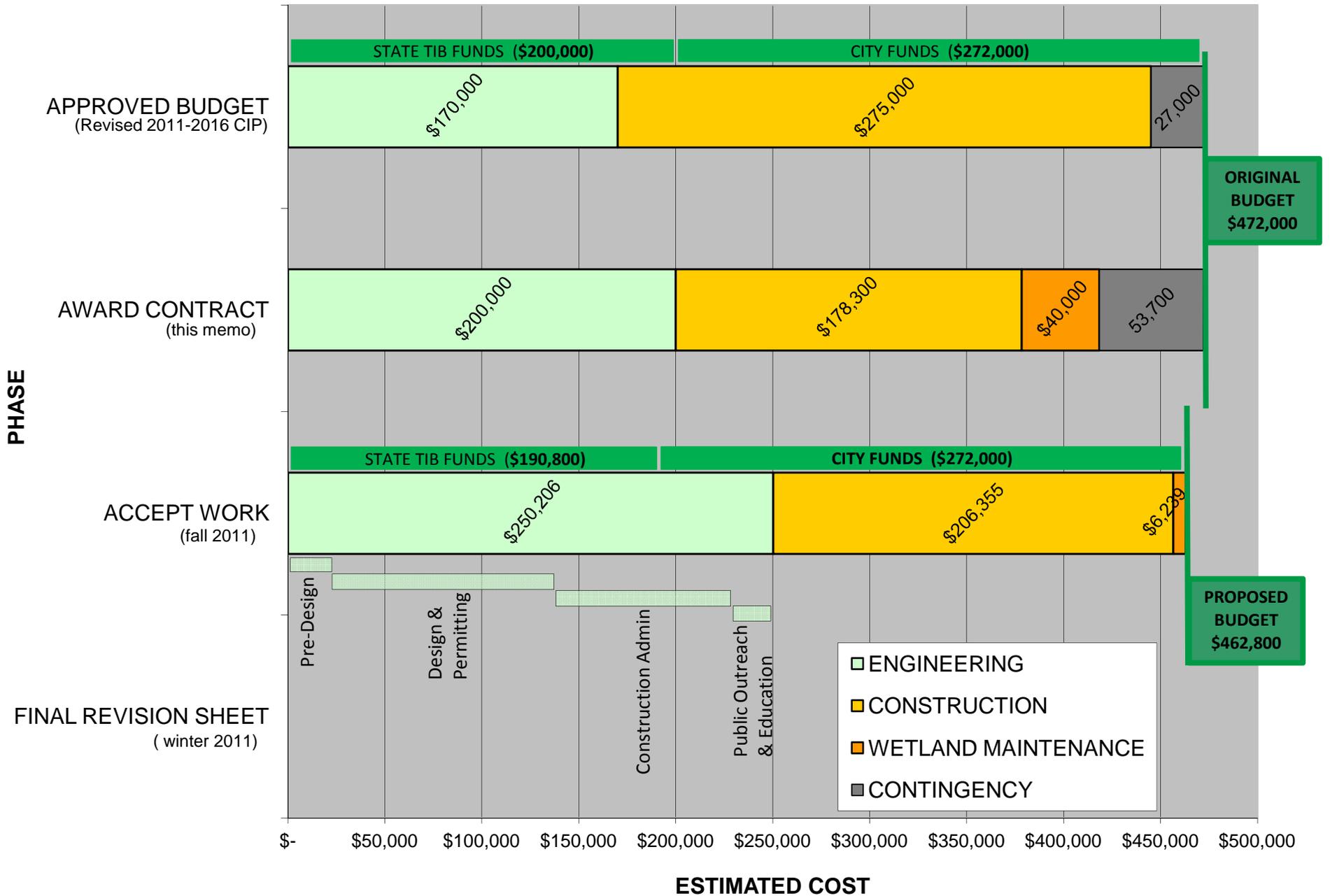
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Date Saved: 5/3/2011 10:42:43 AM



# 12th AVENUE SIDEWALK (CNM-0066)

## Project Budget Report



## Original School Walk Route Committee Projects (2001)

ID	DESCRIPTION	COMMENTS	TOTAL ESTIMATED COST (2001)	OTHERS ADDED OR GRANTS SCORED	TOTAL EXPENDITURES	Completed	Year Completed (or anticipated)
J1	Approximately 900 feet of pathway along the south side of NE 128th St between 94th Ave NE and approximately 98th Ave NE; pathway could be constructed by narrowing current roadway with new or extruded curbing, filling the created area and paving with aspha	2002 overlay project; will look at adding extruded curbing to contract as a fall back	\$99,000		\$953,000.00	√	2002 (all schedules)
J2	Approximately 900 feet of raised or separated pathway along the east side of 94th Ave NE from approximately NE 124th Street to NE 128th St. NE	need add'l r-o-w?	\$226,200				unfunded
J3a	Refurbish 124th St crossings	Crosswalks are in exc. Condition; will revisit and do with annual striping program	\$1,000			√	2002
J3b	No school signs	Will review during inventory of schools	\$-				NA
	Sidewalk on the west side of 97th PL NE, from NE 128th ST to NE 129th PL.	2010-2011 SRTS grant program		\$111,553	\$1,198,000.00	√	2011 (all schedules)
AGB1	Pathway/sidewalk along south side of NE 112th Street between 112th Ave NE and approximately 115th Ave NE adjacent to the school.	funded CIP 2001-2 project; \$1,062,000	\$350,000			√	2002
AGB2	Sidewalk/pathway along 108th Ave NE from NE 116th st to NE 112th St (request from LWSK 4/12/00)	west side (some exist s/w & xwalk @ 116th)	\$266,900				unfunded
	Sidewalk on east side of 110th Ave NE from NE 116th ST south to the end of the cul-de-sac which is the back entrance to A.G. Bell.	2010-2011 SRTS grant program		\$106,576		√	2011
MT1	Improve facilities along 132nd Ave between NE 95th St and NE 104th St. (improvements could include: signage, speed bumps, traffic calming, lighting at crosswalk)	exist. ACP path w/ extruded curb	\$50,000				unfunded
MT2	Sidewalk improvements along NE 95th Street between 124th Ave NE and 130th Ave NE (These improvements are currently funded in the 2001 CIP and are in process).	funded CIP 2001-2 project; \$461,000	\$314,000		\$503,000	√	2003
MT3	Pathway/improvements along the south side of 104th Street between 132nd Ave NE and existing improvements; remove existing vegetation that blocks walking on shoulder	Ultimately concrete, but use asphalt for now	\$92,500				unfunded
MT4	Sidewalk improvements along west side of 130th Ave NE from NE 100th Street to NE 95th Street (currently funded in the CIP)	2010-2011 SRTS grant program	\$-	\$104,404		√	2011
MT5	Intersection improvements at 128th Ave NE and NE 107th Place	assume 50' of concrete curb, gutter, and bump-out landings" at each corner"	\$58,000			√	2002
MT6	Sidewalk on 126th Ave NE from NE 85th St to NE 95th St (approximately 2500' request from LWSK 4/12/00)		\$571,300				unfunded
PK1	Sidewalk improvements along 110th Ave NE between existing improvements at 97th Ave NE and the back entrance to the School at the BNSFRR crossing (area includes concomitant agreement properties)	concomitant needs to be pursued; remaining issues with BNSFRR xing	\$25,000		\$25,000	√	2002
PK2	Sidewalk along west side of 6th Street between 8th Ave and 12th Ave		\$195			√	2002
PK3	95th/97th /112th Ave Intersection improvements (traffic calming, circle, sight distance, 5-way stop??)	assume 50' of concrete curb, gutter, and bump-out landings" at each corner"	\$43,500		\$15,000	√	2003
PK4	Sidewalk along south side of 13th Ave from Van Aalst Park to the school entrance (currently funded in the CIP)		\$144,000		\$191,000	√	2005
PK5	Sidewalk along north side of 12th Ave between 6th St and back entrance to the School at the BNSFRR crossing (this is not currently a LWSK identified walk route)		\$275,000		\$472,000	√	2011
PK6	Sidewalk along NE 100th Street between 116th Ave NE and 112th Ave NE	receipt of 2012 TIB grant pending; design is complete, construction in 2012	\$188,500		\$540,000		2012
PK7	Improvements to gravel pathway along 116th Ave from approximately NE 95th Street to NE 97th Street by addition of curbing or protection from vehicles		\$4,500		\$4,500	√	2010
PK8	Sidewalk along south side of NE 95th St from 116th Ave NE to 112th Ave NE		\$353,800				unfunded
PK9	Sidewalk along 116th Ave from approximately NE 87th Street to NE 100th Street		\$812,000		\$837,000	√	2010
PK10	Sidewalk along 13th Ave from 3rd St to 4th St at Van Aalst Park (this is not currently a LWSK identified walk route)		\$118,500		\$118,500	√	2005??
PK11	Sidewalk along 111th Ave from NE 104th St to NE 100th St (this is not currently a LWSK identified walk route)		\$284,200				unfunded
	Sidewalk on west side of 6th St, between 13th Ave and 15th Ave	2010-2011 SRTS grant program		\$99,948		√	2011
RH1	Install concrete sidewalk along east side of 126th Ave NE from NE 80th St to existing sidewalk at Mormon Church (some existing area is subject to concomitant agreement)		\$72,500			√	2002
RH1	Install modified" sidewalk along west side of 130th Ave NE from NE 80th St to NE 78th St/Flashing crosswalks 75th St/132nd Ave"	modified eliminates planter strip... minimal cost impact	\$182,700			√	2002
RH1	Install gravel path/shoulder between Mormon Church improvements on 126th Ave to NE 73rd St.	assumes no extruded curbing associated	\$26,250				2002
RH2	Install concrete sidewalk along south side of NE 80th St between 125th Lane NE to 130th Ave NE (include bikelane along this section); design would include raised or striped brick crosswalk at 128th, bump outs at 128th, add textured rumble strips.	2010-2011 SRTS grant program	\$406,000	\$172,049		√	2011
RH3a	Pathway/Sidewalk along north side of NE 73rd St from 132nd Ave NE to 130th Ave NE	explore three options	\$233,100		\$588,000	√	2009

RH3b	Flashing crosswalk at intersection ofo NE 75th St and 132nd Ave NE	on current list of proposed flashing crosswalks	\$30,000		\$35,000	√	2011
RH3c	Covered bus stops at 120th Ave (Metro Transit)/ NE 80th St		\$5,000				unfunded
LV1	Install sidewalk along north side of NE 64th Street between 103rd and Lakeview drive (if gravel or asphalt used, install curbing to prevent parking).	Include improvements to steps	\$37,500			√	2002
LV1	6400 - 6500 Lakeview Drive - install sidewalks on east side of Lakeview including the corner of NE 64th St/Lakeview Drive.	replacing broken sections and landings with 2001 overlay project	\$-	\$-		√	2001
LV2a	Repair and complete sections of sidewalk on both sides of 103rd Ave NE EAST	significant (special) trees would be affected by repair; need to have buy-off with neighborhood association	\$37,500		\$5,000	√	2005
LV2b	(Above) WEST	significant (special) trees would be affected by repair; need to have buy-off with neighborhood association	\$18,750		\$5,000	√	2005
LV3a	Look at sight distance for crosswalks at 106th/NE 68th	maybe VERIFY; however sight dist appears much more than adequate	\$-				
LV3b	a speed hump with a crosswalk painted on top at 7th Ave S crossing at 4th St S (similar to that on 6th Street in front of Peter Kirk School	this location needs markings; will add in 2001; overlay scheduled for 2002	\$-				
LV3c	Add crosswalks at NE 60th and 106th to guide walkers to the sidewalks	2001 PM?; check with Godfrey; this request was also submitted by Houghton Community Council	\$500				
LV3d	Paint crosswalk on 108th Ave at NE 61st as indicated on walk route map	1) there is no 61st St" on 108th; 2) exist flashing xwalk at 60th; 3) exist xwalk in 6200 block"	\$500				
LV3e	Trim vegetation from the sidewalk along Lakeview Drive along curve between 64th and State	street dept request?	\$-				
LV3f	Improve signal timing at 108th and 68th to favor school children/pedestrians	being incorporated to current 108th and 68th Signal improvements	\$-	\$-			2012
LV3g	Install No free right turns in school zones" signs at signalized intersections"	concurrent with right turn lane at NE 68th St/State St	\$-		\$500	√	2003
LV3h	More effective school crossing sign on BNSFRR at NE 68th St (request from LWSD 4/12/00)	more effective than big yellow sign with flashing lights?	\$-		\$15,000	√	2008
	Sidewalk on east side of 103rd Ave NE @ NE 65th St, which will eliminate the gap between NE 64th st and NE 67th St.	2010-2011 SRTS grant program		\$66,972		√	2011
BF1	Eliminate parking at entrance to 60th in front of school to improve sightdistance issue	will require school sign-off and parent notification	\$500		\$500	√	2002
BF2	Provide wider parking to serve GTE vaults @ 60th /122nd to keep repair vehicles off gravel pathway	will require keystone wall	\$4,500		\$4,500	√	2002
BF3	Curbing and landings at corner of 122nd/NE 60th	will expand 122nd overlay project to include extruded asphalt curb and landings	\$-		\$12,000	√	2002
BF4a	Sidewalks both sides of NE 60th St between 116th Ave NE and 132nd Ave NE (NORTH) request from LWSD on 4/12/00	equestrian issues with concrete; need Bridle Trails buy-off	\$1,450,000			√	2011
BF4b	(Above) SOUTH request from LWSD on 4/12/00	equestrian issues with concrete; need Bridle Trails buy-off	\$1,392,000				will not be done per Bridle Trails
BF5a	Where is the school zone"?"	inventory	\$-				
BF5b	Post double fines" in school zone"	inventory	\$-				
BF5c	Explore obtaining easements through NE 61st @ 124th Ave		\$46,000				NA
	Sidewalk on the east side of 125th Ave from approximately 100' south of NE 65th Ct to southerly property line of 6547 125th, and from southerly property line of 6916 125th Ave north to NE 70th St. Includes new crosswalk locations and markings on 122nd Ave	2010-2011 SRTS grant program		\$72,981		√	2011
	Sub-Total improvements (identified by SWRC)		\$8,416,700				
	less NE 60th Street (equestrian routes and community feedback)		\$5,574,700	\$734,483			
	Total			\$6,309,183	\$5,522,500		88%