



CITY OF KIRKLAND
Department of Finance & Administration
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MEMORANDUM

To: Kurt Triplett, City Manager

From: Tracey Dunlap, Director of Finance and Administration
Sri Krishnan, Financial Planning Manager
Neil Kruse, Senior Financial Analyst

Date: November 8, 2012

Subject: 2013 to 2018 Capital Improvement Program

RECOMMENDATION:

City Council continues discussion and provides direction for finalizing the 2013-2018 Capital Improvement Program (CIP), which is scheduled to be adopted with the 2013-2014 Budget at the December 11th City Council meeting.

BACKGROUND:

The Council was presented with the Preliminary 2013-2018 CIP at the June 5, 2012 study session and held a public hearing on September 18, 2012. Proposed amendments to the Preliminary 2013-2018 CIP were discussed and the Council expressed a desire to see a project studying the 100th Ave NE Roadway corridor in the North Juanita neighborhood with the possibility of developing regional partnerships. As a result, 100th Avenue NE Corridor Study (ST 0083) is being added in 2013 at a cost of \$50,000 with the intent to develop a grant application-ready plan for the corridor by 2014.

In addition to the changes identified at the [September 18th meeting](#), staff is recommending the following revisions to the Preliminary 2013-2018 CIP:

Revisions to Funded Transportation Projects

- Two projects moved from unfunded to funded due to grant awards:
 - **Kirkland Intelligent Transportation System (ITS) Phase II-C** (TR 0111 003) — Received a Congestion Mitigation and Air Quality (CMAQ) grant award of \$2,201,141. Total project cost remains at \$2,911,000. This project upgrades 15 intersections in the Totem Lake area that were previously in the King County network and will integrate them into Kirkland's Phase I ITS project, which is currently in design and is expected to start phased-in operations beginning the third quarter of 2013, finishing in 2014.
 - **Park Lane Pedestrian Corridor Enhancements Phase II** (NM 0064 001) – Awarded a Department of Ecology Grant of \$739,000 and is also in contention for a State Pedestrian and Bike Safety Grant Program; decision to be announced on December 15th. Project total cost changed from \$1,300,000 to \$2,238,900 consistent with project scope in the grant applications.
- **Street Maintenance & Pedestrian Safety** (ST 0006 003) – Project funded by the levy was reduced from \$18,000,000 to \$15,345,000. This is an accounting housekeeping item, reflecting the allocation of a portion of street maintenance costs that will occur in the Street Operating fund rather than the Capital Improvement Project fund. The overall funding for maintenance and pedestrian safety efforts funded by the levy is approximately \$3 million per year.

- **Annual Non-Motorized Program (NM 8888)** – Project total changed from \$3,206,300 to \$2,899,800 reflecting adjustments made to provide matching City funding for the two grant-funded projects mentioned earlier (TR 0111 003 and NM 0064 001).
- **Cross Kirkland Corridor Trail (Interim) (CNM 0024 000)** – Staff is proposing paying back the interfund loan in 2012 rather than at the end of 2014 as currently budgeted in the 2013-2014 Budget.

Funding sources for repayment were reviewed and approved by the Council previously and include:

- Repurposing of \$1.54 million from previously funded Park Projects as follows:
 - Forbes Lake Park Development (PK 0056) – \$200,000
 - South Juanita Park Site Development (PK 0083) – \$212,349
 - Waverly Beach Park Renovation (PK 0087) – \$505,000
 - Skate Board Park (PK 0111) – \$200,000
 - Spinney Homestead Park Renovation (PK 0113) – \$350,000
 - Community Recreation Facility Planning (PK 0122) – \$71,980
- Repurposing Transportation project funding for \$1 million using \$250,000 per year of the Annual Non-Motorized project (NM 8888) funding for 4 years (leaving approximately \$250,000 per year for other non-motorized needs). This funding is from current year REET 2 revenue.
- Use of \$1.5 million in REET 2 reserves (primarily used for transportation projects), which may impact the availability of grant match funding for a period of time if balances fall below target, although revenues in 2011-2012 have exceeded expectations.
- **NE 120th Street Roadway Extension (ST 0057 001)** – Total project cost changed from \$6.6 million to \$7.36 million due to revised right of way acquisition, engineering costs and surface water components; cost increase primarily funded by the Surface Water Utility. The storm water elements will improve the water quality and meter the flow of water into Totem Lake during storm events, which will help reduce flooding in the area. Timing of external revenue moved from 2012 to 2013.
- **Juanita Drive Corridor Study (ST 0082)** – Project name changed from Juanita Drive Master Plan to avoid confusion with comprehensive master plan studies.

Adjustments to Unfunded Transportation Projects

In addition to the two projects moved to funded from unfunded status mentioned previously, the following changes were made to unfunded transportation projects:

- **100th Avenue NE Roadway Improvements (ST 0083 101)** – Project number changed from ST 0083 to reflect project phasing as a result of the funded corridor study project and project cost changed from \$10 million to \$9.5 million.
- **NE 112th Street Sidewalk (NM 0053)** – An overall project cost increase from \$422,000 to \$424,000 due to an updated cost estimate in association with a 2012 grant application; project remains unfunded pending outcome of the grant application.
- **NE 145th Street Pedestrian Bridge (NM 0080)** – New project for \$4.5 million added that was originally planned by King County Department of Transportation prior to annexation. Project connects North Juanita and Kingsgate/Evergreen Hills neighborhoods across I-405, including access to Windsor Vista and Kingsgate parks. Placing the project in the CIP makes it eligible for grants.

Adjustments to Funded Utility Projects

- **7th/8th Avenue West Alley Sewermain Replacement (SS 0081)** – New project added in 2013 to correct a recently identified system deficiency (\$354,000).
- **Park Lane Watermain Replacement (WA 0148)** – New project added in 2013-2014 to coordinate with the Park Lane pedestrian improvement transportation project (\$297,000).

- **NE 80th Street Watermain Replacement Phase II** (WA 0116) – Timing modification in 2013-2014 to better reflect timing of Public Works Trust Fund loan scheduling with no change in total project costs.
- **Annual Watermain Replacement Program** (WA 8888) – Reduction of \$1,000 to balance total project funding.

Adjustments to Funded Park Projects

- **Juanita Beach Bathhouse Replacement & Shelter** (PK 0119 100) – Changed name from Juanita Beach Bathhouse Replacement to better reflect scope of project.

Adjustments to Funded Public Safety and General Government Projects

- The implementation of sinking fund with the adoption of the 2013-2014 budget for public safety equipment and technology infrastructure resulted in the following changes to the respective projects:
 - **Fire Self Contained Breathing Apparatus-SCBA** (PS 0071) – Project timing moved from 2013 and 2014 to 2013 and project cost changed from \$765,600 to \$741,600 reflecting assumed lower cost by purchasing all of the equipment in 2013.
 - **Fire Portable Radios** (PS 0075) – Project added for planned replacement of radios in 2017 (\$347,000).
 - **Fire Personal Protective Equipment** (PS 0076) – Project added for planned replacement of personal protective equipment in 2014 (\$518,200).
 - **Police Equipment Replacement** (PS 1000) – Project added for planned annual replacement of various police equipment, including protective equipment, weapons, radar, and breathalyzers (\$661,100) over the six year period.
 - **Network Storage** (IT 0120) – Life cycle funding allowed full funding of network storage replacement needs; \$760,000 moved from unfunded. Total project cost increased from \$868,900 to \$1,628,900 over the six year period.
 - **Copier Replacements** (IT 0500) – Planned replacements of network copiers/printers (\$104,000) in 2015 and 2017. (Planned replacements of copiers in 2013-2014 were included as a service package in the operating budget.)
- **Fire Dive Rescue Equipment** (PS 0067) – Project moved from 2013 to 2014 with no change in cost.
- **City Hall Expansion** (GG 0035) – Timing of project cost was revised to reflect planning costs of \$166,500 occurring in 2012; total project cost remains at \$10 million.

The table below summarizes the proposed changes to the Preliminary 2013-2018 CIP:

	6-Year Funded CIP	Unfunded CIP	Total CIP
Preliminary 2013-2018 CIP	127,899,200	435,772,600	563,671,800
Changes Identified at September 18th Council Meeting			-
Public Safety Projects	(256,800)		(256,800)
Facilities Projects	123,000		123,000
Transportation Projects	16,127,200	14,334,000	30,461,200
Park Projects	7,000,000	(7,000,000)	-
Utility Projects	409,400	(1,138,000)	(728,600)
Surface Water Projects	1,356,100	10,500,000	11,856,100
Subsequent Changes			-
Fire Self Contained Breathing Apparatus	(24,000)		(24,000)
Fire Portable Radios	347,000	(340,000)	7,000
Fire Personal Protective Equipment	518,200		518,200
Police Equipment Replacements	661,100		661,100
Network Storage	760,000	(760,000)	-
Copier Replacements	104,000		104,000
City Hall Expansion	(166,500)		(166,500)
Street Maintenance & Pedestrian Safety Projects (Road Levy)	(2,655,000)		(2,655,000)
NE 120th Street Roadway Extension (East Section)	740,800		740,800
100th Ave NE Corridor Study	50,000		50,000
Park Lane Pedestrian Corridor Enhancements Phase II	2,238,900	(1,300,000)	938,900
Annual Non-motorized Program	(306,500)	306,500	-
100th Ave NE Roadway Improvements		(500,000)	(500,000)
NE 112th Street Sidewalk		2,000	2,000
Kirkland ITS Implementation Phase IIC	2,911,000	(2,911,000)	-
NE 145th Street Pedestrian Bridge		4,500,000	4,500,000
Park Lane Watermain Replacement	297,000		297,000
Annual Water Programs	(1,000)	1,000	-
7th Ave/ 8th Ave West Sewermain Replacement	354,000		354,000
Subtotal Changes to Preliminary 2013-2018 CIP	30,587,900	15,694,500	46,282,400
Final 2013-2018 CIP	158,487,100	451,467,100	609,954,200

The overall funded CIP total is \$158,487,100 for the six-year period. A summary of the proposed CIP is included as Attachment A. Unless otherwise directed, this reflects the Final 2013-2018 CIP that will be brought forward at the December 11th City Council meeting for adoption.

2013-2018 Revised Preliminary Capital Improvement Program

Summary of Total Identified Needs

	6-year Funded CIP	Unfunded CIP	Total CIP
Transportation	53,873,100	266,855,900	320,729,000
Parks	12,245,000	95,964,300	108,209,300
Public Safety	2,322,900	119,100	2,442,000
General Government			
Technology	5,804,700	1,120,700	6,925,400
Facilities	43,771,000		43,771,000
Subtotal	118,016,700	364,060,000	482,076,700
Surface Water Mgmt	13,502,400	16,080,100	29,582,500
Water/Sewer	26,968,000	71,327,000	98,295,000
Utilities Subtotal	40,470,400	87,407,100	127,877,500
Grand Total	158,487,100	451,467,100	609,954,200

**City of Kirkland
2013-2018 Revised Preliminary Capital Improvement Program**

TRANSPORTATION PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2013	2014	2015	2016	2017	2018	2013-2018 Total	Funding Sources			External Source
										Current Revenue	Reserve	Debt	
ST0006*	Annual Street Preservation Program		1,750,000	1,750,000	1,750,000	1,750,000	1,750,000	1,750,000	10,500,000	10,500,000			
ST 0006 002*	Annual Street Preservation Program-One-time Project			1,122,000			-		1,122,000	-			1,122,000
<i>ST00006 003</i>	<i>Street Maintenance & Pedestrian Safety</i>		<i>2,345,000</i>	<i>2,600,000</i>	<i>2,600,000</i>	<i>2,600,000</i>	<i>2,600,000</i>	<i>2,600,000</i>	<i>15,345,000</i>	<i>15,345,000</i>			
ST 0057 001*	NE 120th Street Roadway Extension (East Section)	3,762,000	3,595,000						3,595,000	715,500	77,500		2,802,000
ST 0080*	Annual Striping Program		300,000	350,000	350,000	350,000	350,000	350,000	2,050,000	2,050,000			
<i>ST 0082</i>	<i>Juanita Drive Corridor Study</i>		<i>200,000</i>	<i>80,000</i>					<i>280,000</i>	<i>280,000</i>			
<i>ST 0083</i>	<i>100th Ave NE Corridor Study</i>		<i>50,000</i>						<i>50,000</i>		<i>50,000</i>		
ST 8888*	Annual Concurrency Street Improvements				482,400	480,000	215,000	852,500	2,029,900	1,823,400	206,500		
ST 9999*	Regional Inter-Agency Coordination		82,000	82,000	82,000	82,000	82,000	82,000	492,000	492,000			
NM 0012	Crosswalk Upgrade Program		70,000		70,000		70,000		210,000	210,000			
NM 0024 000+	Cross Kirkland Corridor Trail (Interim)	203,000	2,158,000	1,239,000					3,397,000	29,000	327,000		3,041,000
<i>NM 0024 101+</i>	<i>Cross Kirkland Corridor Master Plan</i>		<i>500,000</i>						<i>500,000</i>	<i>500,000</i>			
NM 0057	Annual Sidewalk Maintenance Program		200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	900,000	300,000		
NM 0064 001+	Park Lane Pedestrian Corridor Enhancements Phase II		350,000	1,888,900					2,238,900	319,900			1,919,000
<i>NM 0073</i>	<i>JFK Non-Motorized Program</i>		<i>75,000</i>	<i>75,000</i>					150,000	30,000	<i>120,000</i>		
NM 8888*	Annual Non-Motorized Program				208,300	605,000	1,043,000	1,043,500	2,899,800	1,660,000	1,239,800		
TR 0083+	100th Ave NE/NE 132nd Street Intersection Improvements		350,000	350,000	2,501,000				3,201,000	700,000			2,501,000
<i>TR 0111 003</i>	<i>Kirkland ITS Implementation Phase IIC</i>		<i>576,000</i>	<i>2,205,900</i>	<i>129,100</i>				<i>2,911,000</i>	<i>305,400</i>	<i>404,500</i>		<i>2,201,100</i>
TR 0113+	Citywide Safety & Traffic Flow Improvements		302,200						302,200		2,200		300,000
TR 8888*	Annual Concurrency Traffic Improvements				475,000	543,000	381,300		1,399,300	1,169,300	230,000		
Total Funded Transportation Projects		3,965,000	12,903,200	11,942,800	8,847,800	6,610,000	6,691,300	6,878,000	53,873,100	37,029,500	2,957,500	0	13,886,100

Other Funding Sources Used

Notes
 * = Modification in timing and/or cost (see Project Modification Schedule for greater detail)
 + = Moved from unfunded status to funded status
 " = Moved from funded status to unfunded status
 ^ = Annual Program Project Candidates
 Shaded year(s) = Previous timing
Bold italics = New projects

Project Number	Project Title	Budget	Actual	Balance
ST 0057 001*	NE 120th Street Roadway Extension (East Section)	3,762,000	352,902	3,409,098
Total Prior Year(s) Funding (Budget to Actuals):		3,762,000	352,902	3,409,098

**City of Kirkland
2013-2018 Revised Preliminary Capital Improvement Program**

TRANSPORTATION PROJECTS

Unfunded Projects:

Project Number	Project Title	Total
ST 0055	98th Avenue NE Bridge Replacement	10,196,000
ST 0056	132nd Avenue NE Roadway Improvements	25,170,000
ST 0059^	124th Ave NE Roadway Improvements (North Section)	10,000,000
ST 0060	118th Avenue NE Roadway Extension	6,440,000
ST 0061	119th Avenue NE Roadway Extension	5,640,000
ST 0062	NE 130th Street Roadway Extension	10,000,000
ST 0063^	120th Avenue NE Roadway Improvements	8,988,500
ST 0064	124th Ave NE Roadway Widening Imprv (So. Sect'n)	30,349,000
ST 0070	120th Ave NE/Totem Lake Plaza Roadway Imprmnts	3,000,000
ST 0072	NE 120th St Roadway Improvements (West Section)	5,870,000
ST 0073	120th Avenue NE Roadway Extension	16,392,000
ST 0077	NE 132nd St Rdwy Imprv.-Phase I (West Section)	1,348,000
ST 0078	NE 132nd St Rdwy Imprv-Phase II (Mid Section)	316,000
ST 0079	NE 132nd St Rdwy Imprv-Phase III (East Section)	1,119,000
ST 0081	Totem Lake Area Development Opportunity Program	500,000
ST 0083 101	100th Ave NE Roadway Improvements	9,500,000
NM 0001	116th Ave NE (So. Sect.) Non-Motorz'd Facil-Phase II	3,378,000
NM 0007	NE 52nd Street Sidewalk	1,068,600
NM 0026	NE 90th Street Sidewalk (Phase II)	2,584,200
NM 0030	NE 90th Street/I-405 Pedestrian/Bicycle Overpass	3,740,700
NM 0031	Crestwoods Park/BNSFR Ped/Bike Facility	2,505,000
NM 0032^	93rd Avenue Sidewalk	1,047,900
NM 0036^	NE 100th Street Bikelane	1,644,300
NM 0037	130th Avenue NE Sidewalk	833,600
NM 0041	Forbes Valley Pedestrian Facility	1,996,600
NM 0043^	NE 126th St Nonmotorized Facilities	4,277,200
NM 0045	NE 95th Street Sidewalk (Highlands)	571,500
NM 0046^	18th Avenue SW Sidewalk	2,255,000
NM 0047	116th Avenue NE Sidewalk (South Rose Hill)	422,100
NM 0048	NE 60th Street Sidewalk	4,979,800
NM 0049^	112th Ave NE Sidewalk	527,600
NM 0050^	NE 80th Street Sidewalk	859,700
NM 0053^*	NE 112th Street Sidewalk	424,000
NM 0054	13th Avenue Sidewalk	446,700
NM 0055^	122nd Ave NE Sidewalk	866,700
NM 0056	NE 90th Street Sidewalk (Phase I)	1,165,700
NM 0058	111th Avenue Non-Motorized/Emergency Access Connection	2,000,000
NM 0061*	NE 104th Street Sidewalk	1,085,000
NM 0062	19th Avenue Sidewalk	814,200
NM 0063	Kirkland Way Sidewalk	414,500
NM 0071	NE 132nd Street Sidewalk Improvement	363,000
NM 0072	NE 132nd Street Sidewalk at Finn Hill Middle School	693,000
NM 0074	90th Ave NE Sidewalk	353,400
NM 0075	84th Ave NE Sidewalk	4,052,800
NM 0076	NE 140th St Sidewalk - Muir Elem Walk Rt Enhan. Phase 1	1,131,000
NM 0077	NE 140th St Sidewalk - Keller Elem Walk Rt Enhan. - N	1,185,000
NM 0078	NE 140th St Sidewalk - Keller Elem Walk Rt Enhan. - S	747,000
NM 0079	NE 140th St Sidewalk - Muir Elem Walk Rt Enhan. Phase 2	648,000
NM 0080	NE 145th St Pedestrian Street Bridge	4,500,000
Subtotal Unfunded ST and NM Projects		198,410,300

Project Number	Project Title	Total
TR 0056*	NE 85th Street HOV Queue Bypass	841,000
TR 0057	NE 124th Street HOV Queue Bypass	1,722,000
TR 0065*	6th Street/Kirkland Way Traffic Signal	564,000
TR 0067	Kirkland Way/BNSFR Abutment/Intersection Imprv	6,917,000
TR 0068	Lake Washington Boulevard HOV Queue Bypass	6,580,000
TR 0072	NE 116th Street Eastbound HOV Queue Bypass	7,337,000
TR 0073	NE 70th Street Eastbound HOV Queue Bypass	1,702,000
TR 0074	NE 85th Street Westbound HOV Queue Bypass	1,775,000
TR 0075	NE 124th Street Westbound HOV Queue Bypass	1,275,000
TR 0082*	Central Way/Park Place Center Traffic Signal	200,000
TR 0084	100th Ave NE/NE 124th St Intersection Improvements	2,230,000
TR 0086^	NE 70th St/132nd Ave NE Intersection Improvements	4,590,600
TR 0088^	NE 85th St/120th Ave NE Intersection Improvements	5,272,300
TR 0089	NE 85th St/132nd Ave NE Intersection Imp (Phase II)	1,825,700
TR 0090*	Lake Washington Blvd/NE 38th Place Intersection Imp	500,000
TR 0091^	NE 124th St/124th Ave NE Intersection Improvements	3,503,300
TR 0092	NE 116th St/124th Ave NE N-bound Dual Lft Turn Lanes	1,717,000
TR 0093	NE 132nd St/Juanita H.S. Access Rd Intersect'n Imp	916,000
TR 0094	NE 132nd St/108th Avenue NE Intersect'n Imp	618,000
TR 0095	NE 132nd St/Fire Stn Access Dr Intersect'n Imp	366,000
TR 0096*	NE 132nd St/124th Ave NE Intersect'n Imp	5,713,000
TR 0097	NE 132nd St/132nd Ave NE Intersect'n Imp	889,000
TR 0098*	NE 132nd St/ 116th Way NE (I-405) Intersect'n Imp	300,000
TR 0099	120th Ave/Totem Lake Way Intersection Improvements	2,845,500
TR 0100 100	6th Street & Central Way Intersection Imprmnts Phase 2	1,866,800
TR 0103*	Central Way/4th Street Intersection Improvements	31,000
TR 0104*	6th Street/4th Ave Intersection Improvements	580,000
TR 0105*	Central Way/5th Street Intersection Improvements	564,000
TR 0106*	6th Street/7th Avenue Intersection Improvements	89,400
TR 0107*	Market Street/15th Avenue Intersection Improvements	564,000
TR 0108*	NE 85th Street/124th Ave NE Intersection Improvements	889,000
TR 0109*	Totem Lake Plaza/Totem Lake Blvd Intersection Imprv.	1,500,000
TR 0110*	Totem Lake Plaza/120th Ave NE Intersection Imprv.	1,500,000
TR 0111 001	Kirkland ITS Implementation Phase II	4,100,000
TR 0111 002	Kirkland ITS Implementation Phase IIB	2,644,000
TR 0114	Slater Avenue NE Traffic Calming - Phase I	247,000
Subtotal Unfunded TR Projects		74,774,600

Total Unfunded Transportation (ST, NM, and TR) Projects	273,184,900
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Funding Available from Annual Programs for Candidate Projects	6,329,000
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Net Unfunded Transportation Projects	266,855,900
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* = Modification in timing and/or cost (see Project Modification Schedule for greater detail)

+ = Moved from unfunded status to funded status

= Moved from funded status to unfunded status

^ = Annual Program Project Candidates

Shaded year(s) = Previous timing

Bold italics = New projects

= Projects to be funded with development-related revenues

City of Kirkland
2013-2018 Revised Preliminary Capital Improvement Program

SURFACE WATER MANAGEMENT UTILITY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2013	2014	2015	2016	2017	2018	2013-2018 Total	Funding Source			
										Current Revenue	Reserve	Debt	External Source
SD 0047	Annual Replacement of Aging/Failing Infrastructure		200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000			
SD 0048	Cochran Springs / Lake Washington Blvd Crossing Enh.	180,000		340,000	667,100	450,000			1,457,100	1,457,100			
SD 0051*	Forbes Creek/KC Metro Access Road Culvert Enh.	232,200					688,000	370,700	1,058,700	1,058,700			
SD 0053*	Forbes Creek/Coors Pond Channel Grade Controls	260,200						164,700	164,700	164,700			
SD 0058*	Surface Water Sediment Pond Reclamation Phase II	115,400			497,600	238,000			735,600	735,600			
SD 0059*	Totem Lake Boulevard Flood Control Measures	585,400	302,800	1,048,000					1,350,800	1,014,800			336,000
SD 0067*	NE 129th Place/Juanita Creek Rockery Repair	115,500			223,300				223,300	223,300			
SD 0075~	Totem Lake Twin 42 Inch Culvert Replacement	922,000	4,347,000						4,347,000	1,253,200	3,093,800		
SD 0076#	NE 141st Street/111th Avenue NE Culvert Repair		181,500						181,500		181,500		
SD 0077#	Goat Hill Storm Drainage Repair			153,700					153,700	153,700			
SD 0078#	Billy Creek Ravine Stabilization Phase II			67,400					67,400	14,300	53,100		
SD 0079	Public Safety Building Stormwater Quality Demonstration		160,000						160,000		160,000		
SD 0081	Neighborhood Drainage Assistance Program (NDA)		50,000		50,000		50,000		150,000		150,000		
SD 8888*	Annual Streambank Stabilization Program					350,000	350,000	425,000	1,125,000	1,125,000			
SD 9999*	Annual Surface Water Infrastructure Replacement Program					350,000	350,000	427,600	1,127,600	1,127,600			
Total Funded Surface Water Management Utility Projects		2,410,700	5,241,300	1,809,100	1,638,000	1,588,000	1,638,000	1,588,000	13,502,400	9,528,000	3,638,400	0	336,000

Unfunded Projects:

Project Number	Project Title	Total
SD 0045^	Carillon Woods Erosion Control Measures	549,600
SD 0046#	Regional Detention in Forbes and Juanita Creek Basins	2,810,200
SD 0049#	Forbes Creek/108th Avenue NE Fish Passage Improvements	332,900
SD 0050#	NE 95th Street/126th Avenue NE Flood Control Measures	55,900
SD 0052^	Forbes Creek/Slater Avenue Embankment Stabilization	139,700
SD 0054#	Forbes Creek/BNSFRR Fish Passage Improvements	424,200
SD 0055	Forbes Creek / 98th Avenue NE Riparian Plantings	75,500
SD 0056^	Forbes Creek Ponds Fish Passage/Riparian Plantings	213,000
SD 0061^	Everest Park Stream Channel/Riparian Enhancements	1,095,500
SD 0062^	Stream Flood Control Measures at Kirkland Post Office	345,400
SD 0063^	Everest Creek-Slater Avenue at Alexander Street	830,300
SD 0068	128th Ave NE/NE 60th Street To NE 64th St Drainage Imp.	270,300
SD 0070	Juanita Creek Watershed Enhancement Study	50,000
SD 0074	Streambank Stabilization Program – NE 86th Street	640,200
SD 0080	Regional Decant and City Maintenance Facility	10,500,000
Subtotal Unfunded Surface Water Management Utility Projects		18,332,700
Funding Available from Annual Programs for Candidate Projects		2,252,600
Net Unfunded Surface Water Management Utility Projects		16,080,100

Prior Year(s) Funding (Budget to Actuals):

Project Number	Project Title	Budget	Actual	Balance
SD 0048	Cochran Springs / Lake Washington Blvd Crossing Enh.	180,000	0	180,000
SD 0051*	Forbes Creek/KC Metro Access Road Culvert Enh.	232,200	88,092	144,108
SD 0053*	Forbes Creek/Coors Pond Channel Grade Controls	260,200	84,147	176,053
SD 0058*	Surface Water Sediment Pond Reclamation Phase II	115,400	29,151	86,249
SD 0059*	Totem Lake Boulevard Flood Control Measures	585,400	379,640	205,760
SD 0067*	NE 129th Place/Juanita Creek Rockery Repair	115,500	0	115,500
SD 0075~	Totem Lake Twin 42 Inch Culvert Replacement	922,000	0	922,000
Total Prior Year(s) Funding (Budget to Actuals):		2,410,700	581,030	1,829,670

Notes

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- + = Moved from unfunded status to funded status
- " = Moved from funded status to unfunded status
- ^ = Annual Streambank Stabilization Program Project Candidates
- # = Annual Storm Drain Replacement Program Project Candidates
- Shaded year(s) = Previous timing
- Bold italics = New projects**
- ~Project approved as new project by Council April 17, 2012

**City of Kirkland
2013-2018 Revised Preliminary Capital Improvement Program**

WATER/SEWER UTILITY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2013	2014	2015	2016	2017	2018	2013-18 Total	Funding Source			
										Current Revenue	Reserve	Debt	External Source
WA 0090	Emergency Sewer Pgm Watermain Replacement Pgm		50,000		50,000		50,000		150,000	150,000			
WA 0102*	104th Ave NE Watermain Replacement						974,500		974,500	974,500			
WA 0116	NE 80th Street Watermain Replacement (Phase II)		442,000	2,394,400					2,836,400	869,000		1,967,400	
WA 0121	NE 109th Ave/106th Court NE Watermain Replacement	215,000	156,300						156,300	156,300			
WA 0134+	5th Ave S / 8th St S Watermain Replacement							850,000	850,000	850,000			
WA 0139+	6th Street S Watermain Replacement				671,000				671,000	671,000			
WA 0140*+	NE 85th Street Watermain Replacement		2,413,000						2,413,000	2,413,000			
WA 0145	Kirkland Avenue/6th Street S Watermain Replacement					755,000			755,000	755,000			
WA 0148	Park Lane Watermain Replacement		62,000	235,000					297,000	297,000			
WA 8888*	Annual Watermain Replacement Program						385,000	385,000	770,000	770,000			
WA 9999*	Annual Water Pump Station/System Upgrade Pgm				222,000		385,000	385,000	992,000	992,000			
SS 0056	Emergency Sewer Construction Program		922,000	478,000	969,000	431,000	950,000	450,000	4,200,000		4,200,000		
SS 0064*+	7th Avenue South Sewermain Replacement			-		593,000			1,646,000	1,646,000			
SS 0067*	NE 80th Street Sewermain Replacement (Phase II)		600,000	1,836,000					2,436,000	365,400		2,070,600	
SS 0073*+	Rose Point Sewer Lift Station Replacement			944,400	1,343,000				2,287,400	2,287,400			
SS 0078	5th Avenue S Sewermain Replacement			188,900	38,000				226,900	226,900			
SS 0079	3rd Avenue S & 2nd Street S Sewermain Replacement			-	487,000	740,000			1,227,000	1,227,000			
SS 0080	20th Avenue Sewermain Replacement							812,000	812,000	812,000			
SS 0081	7th / 8th Avenue West Alley Sewermain Replacement		354,000					-	354,000	354,000			
SS 8888*	Annual Sanitary Pipeline Replacement Program				446,500	377,000	213,000	441,000	1,477,500	1,477,500			
SS 9999*	Annual Sanitary Pump Station/System Upgrade Pgm				446,500	377,000	212,500	400,000	1,436,000	1,436,000			
Total Funded Water/Sewer Utility Projects		215,000	4,999,300	6,076,700	4,673,000	3,273,000	4,223,000	3,723,000	26,968,000	18,730,000	4,200,000	4,038,000	0

City of Kirkland
2013-2018 Revised Preliminary Capital Improvement Program

WATER/SEWER UTILITY PROJECTS

Unfunded Projects:

Project Number	Project Title	Total
WA 0052	108th Avenue NE Watermain Replacement	1,584,000
WA 0057	116th Avenue NE Watermain Replacement	2,731,000
WA 0067#	North Reservoir Pump Replacement	611,000
WA 0096	NE 83rd Street Watermain Replacement	450,000
WA 0097	NE 80th Street Watermain Replacement (Phase III)	1,386,000
WA 0098	126th Ave NE/NE 83rd & 84th St/128th Ave NE Watermain Replacement	1,197,000
WA 0103^	NE 113th Place/106th Ave NE Watermain Replacement	841,000
WA 0104	111th Ave NE/NE 62nd St-NE 64th St Watermain Replacement	1,493,000
WA 0108	109th Ave NE/NE 58th St Watermain Replacement	504,000
WA 0109	112th Ave NE Watermain Replacement	1,179,000
WA 0111	NE 45th St And 110th/111th Ave NE Watermain Replacement	1,303,000
WA 0113	116th Ave NE/NE 70th-NE 80th St Watermain Replacement	2,222,100
WA 0118^	112th -114th Avenue NE/NE 67th-68th Street Watermain Replacement	3,360,100
WA 0119	109th Ave NE/111th Way NE Watermain Replacement	2,304,000
WA 0120^	111th Avenue Watermain Replacement	182,000
WA 0122	116th Avenue NE/NE 100th Street Watermain Replacement	1,506,000
WA 0123	NE 91st Street Watermain Replacement	453,000
WA 0124^	NE 97th Street Watermain Replacement	685,000
WA 0126#	North Reservoir Outlet Meter Addition	72,300
WA 0127#	650 Booster Pump Station	1,603,000
WA 0128	106th Ave NE-110th Ave NE/NE 116th St-NE 120th St Watermain Replacement	2,305,000
WA 0129	South Reservoir Recoating	981,000
WA 0130^	11th Place Watermain Replacement	339,000
WA 0131#	Supply Station #1 Improvements	61,500
WA 0132	7th Avenue/Central Avenue Watermain Replacement	907,000
WA 0133	Kirkland Avenue Watermain Replacement	446,000
WA 0135	NE 75th Street Watermain Replacement	711,000
WA 0136^	NE 74th Street Watermain Replacement	193,000
WA 0137^	NE 73rd Street Watermain Replacement	660,000
WA 0138	NE 72nd St/130th Ave NE Watermain Replacement	1,476,000
WA 0146^	6th Street/Kirkland Way Watermain Replacement	693,000
WA 0147^	106th Avenue NE from NE 60th Street to NE 68th Street	661,500
SS 0051	6th Street South Sewermain Replacement	804,000
SS 0052	108th Avenue NE Sewermain Replacement	5,110,000
SS 0062^	NE 108th Street Sewermain Replacement/Rehabilitation	4,405,000
SS 0068	124th Avenue NE Sewermain Replacement	1,315,000
SS 0069	1st Street Sewermain Replacement	3,945,000
SS 0070	5th Street Sewermain Replacement	1,354,000
SS 0071	6th Street Sewermain Replacement	308,000
SS 0072	Kirkland Avenue Sewermain Replacement	1,980,000
SS 0077	West Of Market Sewermain Replacement	21,681,000
Subtotal Unfunded Water/Sewer Utility Projects		76,002,500
Funding Available from Annual Programs for Candidate Projects		4,675,500
Net Unfunded Water/Sewer Utility Projects		71,327,000

Prior Year(s) Funding (Budget to Actuals):

Project Number	Project Title	Budget	Actual	Balance
WA 0121	NE 109th Ave/106th Court NE Watermain Replacement	215,000	0	215,000
Total Prior Year(s) Funding (Budget to Actuals):		215,000	0	215,000

Notes

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^ = Annual Watermain or Sanitary Pipeline Replacement Program Project Candidates

= Annual Pump Station/System Upgrade Program Project Candidates

Shaded year(s) = Previous timing

Bold italics = New projects

**City of Kirkland
2013-2018 Revised Preliminary Capital Improvement Program**

PARK PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2013	2014	2015	2016	2017	2018	2013-2018 Total	Funding Source		
										Current Revenue	Reserve	External Source
PK 0049	Open Space, Pk Land & Trail Acq Grant Match Program		100,000						100,000		100,000	
PK 0066*	Park Play Area Enhancements				50,000	50,000	50,000	50,000	200,000	200,000		
<i>PK 0087 100#</i>	<i>Waverly Beach Park Renovation</i>			<i>500,000</i>					<i>500,000</i>	<i>500,000</i>		
<i>PK 0095 200</i>	<i>Heritage Park - Heritage Hall Renovations</i>		<i>50,000</i>						<i>50,000</i>	<i>50,000</i>		
<i>PK 0113 100</i>	<i>Spinney Homestead Park Renovation</i>		<i>443,000</i>						443,000	443,000		
<i>PK 0114 101</i>	<i>Mark Twain Park Renovation (Design)</i>						75,000		75,000	75,000		
PK 0115*	Terrace Park Renovation		75,000	440,000					515,000	515,000		
<i>PK 0116 100</i>	<i>Lee Johnson Field Lighting Replacements</i>			<i>150,000</i>					<i>150,000</i>	<i>150,000</i>		
PK 0119*	Juanita Beach Park Development Phase 2	3,450,000					100,000	1,207,000	1,307,000	807,000		500,000
<i>PK 0119 100#</i>	<i>Juanita Beach Bathhouse Replacement & Shelter</i>				<i>200,000</i>	<i>1,000,000</i>			<i>1,200,000</i>	<i>1,200,000</i>		
PK 0121*	Green Kirkland Forest Restoration Program		75,000	75,000	75,000	75,000	75,000	75,000	450,000	450,000		
PK 0131*^^	Park and Open Space Acquisition Program						508,000		508,000	508,000		
<i>PK 0133 100#</i>	<i>Dock & Shoreline Renovations</i>		<i>150,000</i>	<i>150,000</i>	<i>250,000</i>	<i>250,000</i>			<i>800,000</i>	<i>800,000</i>		
<i>PK 0133 200#</i>	<i>City-School Playfield Partnership</i>						<i>500,000</i>	<i>500,000</i>	<i>1,000,000</i>	<i>1,000,000</i>		
<i>PK 0133 300#</i>	<i>Neighborhood Park Land Acquisition</i>		<i>500,000</i>	<i>500,000</i>			<i>750,000</i>	<i>750,000</i>	<i>2,500,000</i>	<i>2,500,000</i>		
<i>PK 0133 400#</i>	<i>Edith Moulton Park Renovation</i>		<i>100,000</i>	<i>100,000</i>	<i>800,000</i>				<i>1,000,000</i>	<i>1,000,000</i>		
<i>PK 0134</i>	<i>132nd Park Playfields Renovation</i>		<i>75,000</i>		<i>637,000</i>				<i>712,000</i>	<i>712,000</i>		
<i>PK 0138</i>	<i>Everest Park Restroom/Storage Building Replacement</i>			<i>75,000</i>		<i>660,000</i>			735,000	735,000		
Total Funded Park Projects		3,450,000	1,568,000	1,990,000	2,012,000	2,035,000	2,058,000	2,582,000	12,245,000	11,645,000	100,000	500,000

Notes

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Shaded year(s) = Previous timing

Bold italics = New projects

Italics = Repurposed projects

= Park Levy Candidates

^^2013-2014 Funding moved to previously authorized expenditures in NM 0070 Cross Kirkland Corridor Acquisition

Prior Year(s) Funding (Budget to Actuals):

Project Number	Project Title	Budget	Actual	Balance
PK 0119*	Juanita Beach Park Development Phase 2	3,450,000	3,447,711	2,289
Total Prior Year(s) Funding (Budget to Actuals):		3,450,000	3,447,711	2,289

City of Kirkland
2013-2018 Revised Preliminary Capital Improvement Program

PARK PROJECTS

Unfunded Projects:

Project Number	Project Title	Total
PK 0078 600	A.G. Bell Elementary Playfields Improvements	200,000
PK 0078 800	International Comm. School Playfield Improvements	300,000
PK 0086	Totem Lake Neighborhood Park Acquisition & Development	2,500,000
<i>PK 0087 101</i>	<i>Waverly Beach Parks Renovation (Phase 2)</i>	<i>1,000,000</i>
PK 0095 100	Heritage Park Development - Phase III & IV	2,500,000
PK 0096	Ohde Avenue Park Development	250,000
PK 0097	Reservoir Park Renovation	500,000
PK 0099	N. Juanita (East) Neighborhood Park Acquisition/Development	2,500,000
PK 0100	N. Juanita (West) Neighborhood Park Acquisition/Development	2,500,000
PK 0101	N. Rose Hill Neighborhood Park Acquisition/Development (North)	2,500,000
PK 0102	N. Rose Hill Neighborhood Park Acquisition/Development (Central)	2,500,000
PK 0103	Market Neighborhood Park Acquisition/Development	3,500,000
PK 0108	McAuliffe Park Development	7,000,000
PK 0114*	Mark Twain Park Renovation	750,000
PK 0116	Lee Johnson Field Artificial Turf Installation	1,500,000
PK 0117	Lake Avenue West Street End Park Enhancement	100,000
<i>PK 0119 200</i>	<i>Juanita Beach Park Development (Phase 3)</i>	<i>10,000,000</i>
PK 0122 100	Community Recreation Facility Construction	42,000,000
PK 0124"	Snyder's Corner Park Site Development	1,000,000
PK 0125	Dock Renovations	250,000
PK 0126	Watershed Park Master Planning & Park Development	1,100,000
PK 0127	Kiwanis Park Master Planning & Park Development	1,100,000
PK 0128	Yarrow Bay Wetlands Master Planning & Park Development	1,600,000
PK 0129	Heronfield Wetlands Master Planning & Development	1,600,000
<i>PK 0133 500</i>	<i>Lee Johnson Field Synthetic Turf and Lighting</i>	<i>1,500,000</i>
<i>PK 0135</i>	<i>Juanita Heights Park Master Planning and Development</i>	<i>1,125,000</i>
<i>PK 0136</i>	<i>Kingsgate Park Master Planning and Park Development</i>	<i>1,150,000</i>
<i>PK 0137</i>	<i>Windsor Vista Park Master Planning and Park Development</i>	<i>1,150,000</i>
<i>PK 0139</i>	<i>Highlands Park Renovation</i>	<i>750,000</i>
Unfunded Park Projects		94,425,000

Unfunded Repurposed Projects:

Project Number	Project Title	Total Balance
<i>PK 0056</i>	<i>Forbes Lake Park Development</i>	<i>200,000</i>
<i>PK 0083</i>	<i>South Juanita Park Site Development</i>	<i>212,300</i>
<i>PK 0087</i>	<i>Waverly Beach Park Renovation</i>	<i>505,000</i>
<i>PK 0111</i>	<i>Skate Park</i>	<i>200,000</i>
<i>PK 0113</i>	<i>Spinney Homestead Park Renovation</i>	<i>350,000</i>
<i>PK 0122</i>	<i>Community Recreation Facility Planning</i>	<i>72,000</i>
Total Unfunded Repurposed Projects		1,539,300

Total Unfunded Parks Projects:

Unfunded Park Projects	94,425,000
Unfunded Repurposed Projects	1,539,300
Total Unfunded Parks Projects	95,964,300

Notes

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Shaded year(s) = Previous timing

Bold italics = New projects

Italics = Repurposed projects

^^2013-2014 Funding moved to NM 0070 Cross Kirkland Corridor (See Transportation CIP)

City of Kirkland
2013-2018 Revised Preliminary Capital Improvement Program

PUBLIC SAFETY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2013	2014	2015	2016	2017	2018	2013-2018 Total	Funding Source		
										Current Revenue	Reserve/Prior Year	External Source
FIRE												
PS 0067*	Dive Rescue Equipment			55,000					55,000	55,000		
PS 0071*	Self Contained Breathing Apparatus (SCBA)		741,600						741,600	741,600		
<i>PS 0075</i>	<i>Portable Radios</i>						<i>347,000</i>		<i>347,000</i>	<i>347,000</i>		
<i>PS 0076</i>	<i>Personal Protective Equipment</i>			<i>518,200</i>					<i>518,200</i>	<i>518,200</i>		
POLICE												
<i>PS 1000</i>	<i>Police Equipment Replacement</i>		<i>160,500</i>	<i>26,300</i>	<i>87,300</i>	<i>219,800</i>	<i>124,600</i>	<i>42,600</i>	<i>661,100</i>	<i>661,100</i>		
Total Funded Public Safety Projects		0	902,100	599,500	87,300	219,800	471,600	42,600	2,322,900	2,322,900	0	0

Unfunded Projects:

Project Number	Project Title	Total
PS 0068	Local Emergency/Public Communication AM Radio	119,100
Total Unfunded Public Safety Projects		119,100

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Bold italics = New projects

City of Kirkland
2013-2018 Revised Preliminary Capital Improvement Program

GENERAL GOVERNMENT PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2013	2014	2015	2016	2017	2018	2013-2018 Total	Funding Source			
										Current Revenue	Reserve/Prior Year	Debt	External Source
TECHNOLOGY													
IT 0100 000*	Network Server Replacements		211,000	125,000	140,400	160,000	160,000	125,000	921,400	860,400	61,000		
IT 0110 000*	Network Infrastructure		50,000	200,000	35,000	35,000	35,000	35,000	390,000	390,000			
IT 0120 000*	Network Storage		628,900				300,000	700,000	1,628,900	1,100,000	528,900		
IT 0130 000*	Network Phone Systems				250,000				250,000	165,700	84,300		
IT 0140 000*	Network Security		130,000	65,000	55,000		75,000	30,000	355,000	206,000	149,000		
IT 0200 000*	Geographic Information Systems		170,000	185,000	250,000	250,000	250,000	250,000	1,355,000	878,000	477,000		
IT 0300 000*	Finance and HR System Modules		47,400	21,100	49,300	5,800			123,600		123,600		
IT 0402 000*+	Financial System Replacement					150,000			150,000		150,000		
IT 0500 000	Copier Replacements				32,000		72,000		104,000	104,000			
IT 0601 000*+	Help Desk System Replacement Phase 2				66,000				66,000		66,000		
IT 0602 000*	Standard Reporting Tool		83,200						83,200		83,200		
IT 0702 000*	Maintenance Management System Upgrade		30,000	147,600					177,600	53,100	124,500		
IT 0901 000*	Disaster Recovery System Improvement		50,000	150,000					200,000	200,000			
FACILITIES													
GG 0008*	Electrical, Energy Management & Lighting Systems		18,900		66,400	10,200		44,100	139,600		139,600		
GG 0009*	Mechanical/HVAC Systems Replacements		29,000	222,800	47,000		198,300	317,600	814,700		814,700		
GG 0010*	Painting, Ceilings, Partition & Window Replacements			68,000	170,400	155,100	194,900	142,400	730,800		730,800		
GG 0011*	Roofing, Gutter, Siding and Deck Replacements		41,800	122,300		34,600	141,800	257,700	598,200		598,200		
GG 0012*	Flooring Replacements			66,400	105,800	23,300	82,000	96,500	374,000		374,000		
GG 0013 103*	Public Safety Building Phase III	3,298,187	27,418,200						27,418,200	4,661,094	20,837,832	1,919,274	
GG 0035 100+	City Hall Expansion	166,500	433,500	1,450,000	7,950,000				9,833,500		5,358,000	4,300,000	
GG 0039*	Consolidated Fire Station No 25	1,368,000	3,862,000						3,862,000		3,862,000		
Total Funded General Government Projects		4,832,687	33,203,900	2,823,200	9,217,300	824,000	1,509,000	1,998,300	49,575,700	3,957,200	9,165,894	30,057,832	6,219,274

Unfunded Projects:

Project Number	Project Title	Total
IT 0401 000	Utility Billing/Cashiering System Replacement	491,700
IT 0501 000	Police ProAct Unit NCIC Handheld Computers	52,000
IT 0701 000	Fleet Management Systems Replacement	80,000
IT 0802 000	Recreation Registration System Replacement	83,000
IT 0902 000	Customer Relationship Management System	414,000
Total Unfunded General Government Projects		1,120,700

Prior Year(s) Funding (Budget to Actuals):

Project Number	Project Title	Budget	Actual	Balance
GG 0013 103*	Public Safety Building Phase III	3,298,187	148,608	3,149,579
GG 0039*	Consolidated Fire Station No 25	1,368,000	27,939	1,340,061
Total Prior Year(s) Funding (Budget to Actuals):		3,298,187	148,608	3,149,579

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