



CITY OF KIRKLAND



2013-2018

Capital Improvement Program

Summary





City of Kirkland 2013 to 2018 Capital Improvement Program

Adopted December 11, 2012



Tracey Dunlap
Director of Finance and Administration

Prepared by

Sri Krishnan
Neil Kruse
Kyle Butler
Jessica Clem



City of Kirkland
2013 to 2018
Capital Improvement Program

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CAPITAL IMPROVEMENT PROGRAM 2013 TO 2018

INTRODUCTION

The City of Kirkland Capital Improvement Program (CIP) is a plan that addresses construction, repair, maintenance and acquisition of major capital facilities and equipment. This Summary document and the Project Detail document (available electronically at <http://www.kirklandwa.gov/CIPdocument>) provide tools for public comment and City Council review regarding projects planned for the next six years.

The CIP is prepared each even year (2012) for the following six years (2013-2018). This allows the first two years of the CIP to align with the biennial operating budget being prepared in the same year. The CIP is updated to incorporate new funding information, revised priorities, and Council decisions during the first year of the cycle.

In addition to updates to costs and timing to previously approved projects, the Preliminary 2013-2018 CIP includes assumptions regarding the funding of the following projects whose implementation will depend on City Council's guidance on the associated policy issues:

- Transportation Benefit District (TBD)* funding for street preservation projects;
- Parks Funding Exploratory Committee (PFEC) recommendations for projects to be funded by voted debt;
- Purchase of the Cross Kirkland Corridor through CIP reprioritization;
- Development of the Cross Kirkland Corridor (CKC);
- City Hall Expansion project;
- Near-term needs in the new neighborhoods; and
- City work plan items.

Additionally, staff will be bringing forward the analysis on sinking funds for the replacement of public safety (Police and Fire) and information technology equipment as part of the 2013-2014 budget development process later this year. It is anticipated that if sinking funds are established then qualifying projects and related funding will be moved from the CIP to these new funds and these changes will also be included in the Final CIP.

At the Council retreat in March 2012, the Council discussed funding options including a Transportation Benefit District and Parks ballot measures. The Preliminary 2013-18 CIP is based on assumptions related to a number of items including the TBD, PFEC recommendations, and CKC funding, for which final Council direction is pending. The Final 2013-18 CIP scheduled to be adopted in December 2012, along with the 2013-2014 Budget, may be significantly different from the Preliminary CIP pending the

*Subsequent action by the City Council replaced the TBD with a Street levy, which was approved by voters in November 2012. See the postscript starting on page xx.

outcome of Council deliberation of the issues discussed above. This narrative highlights some of the major policy issues addressed in this CIP.

The CIP is organized into seven sections:

Transportation includes improvements to streets, intersections and non-motorized facilities.

Surface Water Management Utility projects include improvements to the City’s storm drain system including streambank restoration on private property.

Water and Sewer Utility projects include replacement and enhancement of the City’s water conveyance and sanitary sewer systems.

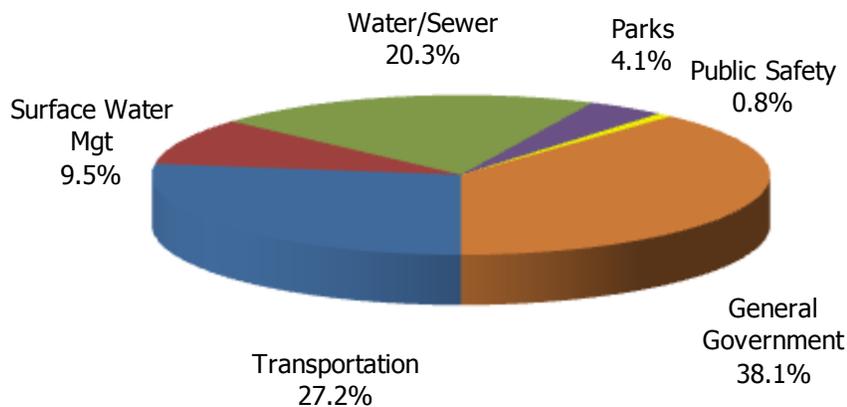
Park projects include renovation, replacement and construction of park and recreational facilities and acquisition of park and open space lands.

Public Safety projects address fire and police needs and the acquisition of major new equipment with a value greater than \$50,000.

General Government projects include two areas – technology system acquisition and replacement, and general government facility construction and renovation (including public safety facilities).

Equipment Rental includes the purchase of major fire apparatus and the replacement of City vehicles.

The chart below shows the relative size of the funded project categories recommended in the Preliminary CIP:



In each section, a summary of **funded projects** reflects the recommendation of the City Manager and staff for the priority and timing of projects to be completed with available funding. The CIP is balanced with funded projects scheduled over the six-year period that match anticipated identified funding and cash flow. The **unfunded projects** represent capital needs that could not be funded or that are not sufficiently well defined to be included in the funded portion of the CIP. Each section of this document includes highlighted, summarized information about each funded project. Each section

also includes various summary tables and graphics showing funding sources by CIP category and types of projects funded. The separate Project Detail document, which is available electronically, includes project summary tables by category and includes all project detail sheets for both funded and unfunded projects.

In some cases, changes in Council priorities or other circumstances cause staff to recommend that previously approved projects be modified. **A list of all modifications and deletions to the CIP** is included in the Summary section of this document. Significant changes are also highlighted in the narrative sections below.

Operating impacts are an important consideration in capital planning. Once the Council has committed to a capital project that has operating implications, some obligation is created for the operating budget. For example, the acquisition and development of new parks requires maintenance staff – even if the park is passive and simply requires monitoring and control of natural vegetation.

Although many of these capital projects do not, in and of themselves, require the addition of an entire full time equivalent employee (FTE), they trigger increments of FTE's that must be added at some point. The operating impacts arrive either in the year the project is completed or the following year. Each capital project description sheet in the Project Detail document includes a summary of anticipated operating impacts at the bottom of the first page. **A summary of operating impacts associated with proposed capital projects** is included in the Summary section of this document. This Summary highlights the potential impacts to the operating budget related to completed CIP projects that must compete for limited operating resources. Projected maintenance and operating costs and needed FTEs is the basis of department requests for new service package funding.

POLICY BASIS

The City's adopted fiscal policies provide general guidance for preparation of the CIP. A capital project is defined as the construction, acquisition or renovation of buildings, infrastructure, land and major equipment with a value greater than \$50,000. The fiscal policies emphasize the importance of capital investment in existing assets to avoid major costs in the future.

The six-year CIP includes projects that **replace or maintain** existing assets, provide **required capacity** needed to meet growth projections and the adopted level of service, and projects that **enhance capacity or services** to the public.

Proper **maintenance** and **replacement** is the most critical element to the CIP, since it ensures maintenance of the current service level and mitigates the need for more costly repairs in the future. The level of maintenance desired by the Council may exceed minimum requirements but are in line with best practices and the level of infrastructure repair expected by the community. Although maintenance and replacement is essential, the level of maintenance is a policy choice.

Required capacity relates to projects needed to meet the adopted transportation level of service (LOS). The City has an obligation to maintain the adopted level of service and to provide sufficient future funding for projects needed to match projected growth to meet concurrency requirements as adopted in the City's Comprehensive Plan.

Desired levels of service are developed for other areas as reflected in master plans and strategic plans. They include such things as park facilities, intersection and street improvements, sidewalks,

technology systems and public safety apparatus. They are essential in their own way; however, they are not required by law. From a funding priority perspective, desired service levels are addressed after basic maintenance and concurrency requirements. The Preliminary CIP takes this priority ranking into consideration.

The Preliminary 2013 to 2018 CIP inflates each project by a percentage appropriate for that project category based on recent experience, as well as historical cost trends, so that the estimated future costs are taken into consideration. Likewise, some funding sources are indexed to inflation or increased annually based on historical trends, so that a similar methodology is employed on the resource and requirement sides. The specific inflation factors for each CIP category are discussed in more detail in the Policy Issues/Project Highlights section later in this narrative.

FUNDING

Funding is established by project category that reflects legally dedicated revenue streams and Council dedicated revenue sources. The CIP utilizes four main categories of funding sources – **current revenue, reserves, debt and external sources**. These revenue sources are described below.

Current Revenue represents estimates of annual ongoing revenue that will be received from anticipated sources. Current revenue sources were reviewed carefully and changes are highlighted below.

Real Estate Excise Tax (REET) has been impacted by the slowing of the economy and the real estate market. REET revenue was analyzed and it was determined that the current levels are sustainable for the coming six-year cycle. The 2013 REET funding for the Transportation and Parks CIP categories are recommended to remain at the levels projected during the development of the 2011-16 CIP – \$1.42 million for Transportation and \$0.72 million for Parks. These base allocations are then increased annually at a rate of 3.0 percent (compared to the 3.5 percent annual growth assumed in the previous CIP) to recognize a relatively conservative projected growth in real estate transaction values. Any difference between the budgeted REET revenue and actual receipts is placed in the REET 1 and REET 2 reserves for use as grant matches and to supplement current revenue to fund high priority projects and facility needs or backfill Parks debt service payments if needed (REET 1 reserves).

In the case of Transportation projects, the anticipated shortfall in REET 2 revenues is offset by the use of REET 2 reserves to fund the Annual Street Preservation Program. The timing of Parks projects were adjusted to match available funding.

Transportation Benefit District (TBD) – Consistent with Council direction in the 2011-16 CIP, Transportation CIP funding includes the potential revenues from a TBD which is under consideration for implementation in 2013 to help fund the Annual Street Preservation Program. Current estimates indicate that the City could receive up to \$1.1 million in annual revenues from a TBD assuming that the district's boundaries match the current city boundaries, and the Council approves the \$20 fee per vehicle license. If the district is established by the Council effective January 1, 2013, the City will receive TBD revenues effective July 1, 2013. The Preliminary CIP assumes \$550,000 in TBD revenues in 2013.

Similar to REET revenues, transportation and parks impact fee revenues have been affected by the slowing of the economy and the real estate market. The Preliminary CIP assumes annual receipts of

\$350,000 of transportation impact fee revenue consistent with recent experience. Park impact fees are dedicated to the debt service payment of McAuliffe Park and the Teen Center and are not included as a source of funding for Parks CIP. Any difference between the budgeted impact fee revenue and actual receipts is placed in the impact fee reserve to fund impact fee eligible projects.

Interest Earnings – The Federal Reserve’s decision to hold interest rates low until 2014 results in a reduction in projected annual interest income available for CIP projects from \$800,000 to \$300,000 in 2013 and 2014. Anticipated upward pressure on interest rates beginning in 2015, results in an assumed increase in annual interest income of \$100,000 for a total of \$400,000 per year for the last four years of this CIP cycle.

Reserves are used to a limited extent for projects. Reserves used in the Preliminary CIP have been accumulated over time for specific purposes (e.g. water/sewer capital replacement reserve). The CIP recommendation incorporates the use of reserves to fund facilities projects (e.g. City Hall/Public Safety Building), to fund matching contributions for some grant-funded transportation projects, and to offset anticipated shortfalls in annual REET 2 revenues used to fund transportation projects. Dedicated sinking fund reserves are also used to fund routine building repairs and vehicle replacements.

Debt represents a commitment to repay borrowed funds over an extended period of time. The Water/Sewer Utility CIP utilizes Public Works Trust Fund (PWTF) loans as a low-interest form of debt. Loans for approved projects are made with interest rates ranging from one-half to two percent depending on the amount of the City’s matching funds. Proposed **Sewer projects** assume use of debt from PWTF (\$2.07 million) to leverage current revenue over the period of the plan. The Preliminary CIP includes funding of **Facilities projects** as reviewed with Council on February 21, 2012, and as discussed later in this summary.

External sources are primarily grants but can also take the form of contributions from other governments (shared projects) or from private sources.

The Preliminary CIP is based on the recommended funding matrix and incorporates the current revenue (REET) levels and impact fee receipts, the use of REET 2 reserves, the potential transportation benefit district revenues, and the reduction in interest income.

Capital Improvement Program – 2013 to 2018

Preliminary 2013-18 Capital Improvement Program
Revenue Projections (in thousands)

Dedicated Revenue	2013	2014	2015	2016	2017	2018	6-Year Total
Transportation							
Gas Tax	558	575	592	610	628	647	3,610
Sales Tax	270	270	270	270	270	270	1,620
Utility Rates	950	950	950	950	950	950	5,700
Real Estate Excise Tax 1	353	364	375	386	397	409	2,284
Real Estate Excise Tax 2	1,071	1,103	1,136	1,170	1,205	1,242	6,927
Impact Fees	350	350	350	350	350	350	2,100
Transportation Benefit District	550	1,100	1,100	1,100	1,100	1,100	6,050
Solid Waste Street Preservation	300	300	300	300	300	300	1,800
REET 2 Reserve	480	480	480	480	480	480	2,880
External Sources	2,800	-	2,307	-	1,122	-	6,229
Subtotal Transportation	7,682	5,492	7,860	5,616	6,802	5,748	39,200
Parks							
Real Estate Excise Tax 1	718	740	762	785	808	832	4,645
Impact Fees	-	-	-	-	-	-	-
External Sources	118	118	-	-	-	500	736
Subtotal Parks	836	858	762	785	808	1,332	5,380
General Government: Technology, Facilities & Public Safety							
Interest	300	300	400	400	400	400	2,200
Sales Tax	200	200	200	200	200	200	1,200
Utility Rates	150	203	150	150	150	150	953
IT Fund Operating Cash	-	-	193	-	-	-	193
Facilities Life Cycle Reserve	90	357	390	223	617	858	2,535
Maj Sys Replacement Rsv	89	-	-	-	-	-	89
General Capital Reserves	5,865	131	239	-	-	-	6,235
Debt	25,042	827	4,532	-	-	-	30,401
External Sources	2,177	624	3,419	-	-	-	6,220
Subtotal General Government	33,913	1,634	1,168	1,048	1,731	1,617	50,026
Utilities							
Utility Connection Charges	865	865	865	865	865	865	5,190
Utility Rates - Surface Water	1,588	1,588	1,588	1,588	1,588	1,588	9,528
Utility Rates - Water/Sewer	2,408	2,408	2,408	2,408	2,408	2,408	14,448
Debt	905	1,166	-	-	-	-	2,071
Reserves	3,629	53	1,400	-	1,400	-	6,482
Subtotal Utilities	9,395	6,080	6,261	4,861	6,261	4,861	37,719

POLICY ISSUES AND PROJECT HIGHLIGHTS

The Preliminary CIP provides a starting point for Council deliberation and decision regarding strategies to address near-term needs and meet existing obligations while exploring opportunities to fund longer-term goals. A number of policy issues and assumptions are incorporated that are discussed in the following sections.

GENERAL ISSUES

Funding for capital projects continues to be a major issue facing the City. While progress has been made over the years in some areas (e.g. Parks), funding for transportation improvements is still below the level needed to meet many of the projects identified in master planning processes (e.g. Totem Lake, Downtown Strategic Plan). These processes involve the identification of improvements needed to achieve the long term vision developed in the planning process. Funding strategies have not typically been included as part of the plan, but are developed later as part of an implementation strategy, CIP or budget process.

As discussed at the Council retreat in March 2012, the City's revenues appear to be stabilizing (but at lower levels than generated in the past) with a few significant exceptions, especially sales tax from the new neighborhoods and interest income, which are still dramatically lower than originally budgeted for 2011-2012. It appears that in the near term, the City's revenues may remain at a much lower level than in the past. Staff has not identified any additional current revenue that can be diverted to fund capital projects.

Other issues that could impact capital project funding and prioritization:

- **Purchase of the Cross Kirkland Corridor** – While the Council has identified an interim funding mechanism (an interfund loan) to purchase the rail corridor, a long-term funding option has yet to be decided upon.
- **Sinking Funds** – The Preliminary CIP includes projects that have predictable replacement cycles, but no replacement reserves, such as the Defibrillator Unit Replacement, the Self Contained Breathing Apparatus (SCBA) Replacement, and IT Network Replacement projects. Lacking dedicated replacement reserves, an important element in building a sustainable budget, these projects and others like them compete with other CIP projects for the limited resources allocated to fund General Government CIP. Staff has been evaluating the establishment of new sinking funds for the replacement of public safety equipment and information technology infrastructure and systems and the results of this analysis will be brought forward as part of the 2013-2014 budget development process.
- **Potential New Funding Sources** – The outcome of Council deliberations regarding the Transportation Benefit District and the recommendations of the Parks Funding Exploratory Committee could also impact the priorities that the City emphasizes in the next biennium and beyond.
- **Near-Term Needs in New Neighborhoods** – The Preliminary CIP includes the following near-term needs in the new neighborhoods as funded projects:
 - 132nd Square Park Playfields Renovation;
 - NE 141st Street/111th Ave NE Culvert Headwall Repair;

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- Goat Hill Storm Drainage Repair;
- Billy Creek Ravine Stabilization;
- Annual Street Preservation Program – would address city-wide needs including new neighborhoods;
- Juanita Drive Master Plan; and
- Juanita, Finn Hill, Kingsgate Non-Motorized Opportunity Fund to address non-motorized transportation needs.

The Preliminary CIP also includes the following unfunded projects in the new neighborhoods:

- Edith Moulton Park Renovation;
- Juanita Heights Park Master planning and Development;
- Kingsgate Park Master Planning and Development;
- Windsor Vista Park Master Planning and Park Development;
- NE 132nd Street Sidewalk Improvement;
- NE 132nd Street Sidewalk at Finn Hill Middle School; and
- Kirkland Intelligent Transportation System (ITS) Phase IIB & IIC – extending the system being implemented within the pre-annexation city boundaries.

It is anticipated that the ongoing assessment of near-term needs in the new neighborhoods will identify projects that will be included in the discussions and prioritization processes leading up to the Final CIP to be adopted in December this year.

The **cost inflation factors** have been updated to reflect the City’s recent construction data, which indicates that the inflationary pressures have moderated to some degree. The Preliminary CIP includes the following changes to the project cost inflation factors for utility and transportation projects:

Category	Inflation Rates	
	2011-16 CIP	Preliminary 2013-18 CIP
Water	18%	4%
Sewer	35%	13%
Non-Motorized	11%	4%
Streets*	11%	7%
Traffic*	11%	7%

* Estimated high as a hedge against the uncertainty of oil prices, which directly impacts asphalt product prices and heavy equipment operations used for these types of projects.

The inflation factors for the other categories of capital projects remain unchanged from the last CIP and are assumed as follows:

Category	Preliminary 2013-18 CIP
General Government	3.5%
Facilities	3%
Parks	3.5%
Public Safety	3.5%
Surface Water	13%
Technology	3.5%

The 3.5 percent annual cost inflation factor assumed for General Government, Public Safety, and Technology projects reflects historical trends and represents a hedge against future inflationary pressures. An annual cost inflation factor of 3.0 percent, which reflects current market conditions, is assumed for Facilities projects in the Preliminary CIP. Parks project costs were developed using an annual inflation factor of 3.5 percent, which is consistent with the inflation factor used for the park impact fees developed during 2007. The inflation factor used for Surface Water projects has remained unchanged since the 2009-14 CIP at 13 percent.

All of the cost inflation factors will be reviewed and updated as necessary next year as part of the interim update to the 2013-18 CIP.

The Preliminary 2013-2018 CIP includes capital projects that will be implemented only if the proposed **redevelopments of Park Place and Totem Lake Mall** are completed. These capital projects are assumed to be developer funded, including use of the anticipated impact fees from the projects. As more information becomes available or development agreements are implemented, these assumptions will be revisited as part of the update process.

The Preliminary 2013-2018 funded CIP totals \$127,899,200, which is 22.7 percent of the total identified needs of \$563,671,800. This compares to the adopted (revised) 2011-2016 funded CIP which totaled \$125,701,600 and was 23.1 percent of the total identified needs of \$544,685,700. The total identified needs increase of \$19 million over the Revised 2011-16 CIP is made up of \$2.2 million increase in the funded category and \$16.8 million increase in the unfunded category.

The \$2.2 million increase in total funded projects is a combination of moving projects from unfunded to funded status due to funding availability, the normal variation of the timing of major projects, and revised cost estimates. The categories with the largest unfunded needs in this Preliminary CIP are Transportation, Parks and Utilities. Transportation and Utilities CIP include annual-program projects. These annual-program projects include specific potential candidate projects that may be funded at a later date. These specific candidate projects provide a snapshot of what the annual program funding would support.

The \$16.8 million increase in the unfunded category is the net result of the following changes:

- An net increase in the unfunded Transportation project costs of \$4 million due to:
 - The addition of new unfunded projects totaling \$7 million (of which \$5.6 million is related to additional phases of the Kirkland Intelligent Transportation System);
 - The net increase from the change in status of projects from unfunded to funded or vice-versa is \$1.0 million; and
 - Reductions in estimated costs of unfunded projects totaled approximately \$4 million (primarily, Cross Kirkland Corridor Interim Trail)
- The Parks unfunded category increased by \$26.2 million due to the re-purposing of existing funded projects for the acquisition of the Cross Kirkland Corridor, adding projects that were recommended by the Park Funding Exploratory Committee (PFEC) to be included as candidates in a proposed voted parks levy, and projects identified to address needs in the new neighborhoods.
- The total cost of unfunded General Government and Public Safety projects decreased by \$9.8 million:
 - Facilities category decreased by \$9 million as a result of moving the City Hall project from the unfunded to funded category;

- Technology category decreased by \$1.2 million as a result of moving projects from unfunded to the funded category, deleting two projects, and offset partially by adding an unfunded network storage project at an estimated cost of \$760,000; and
- The addition of the portable radio replacement project to the unfunded Public Safety projects category at an estimated cost of \$340,000.

**Preliminary 2013-18 Capital Improvement Program
Summary of Total Identified Needs**

	6-year Funded CIP	Unfunded CIP	Total CIP
Transportation	34,766,700	252,424,400	287,191,100
Parks	5,245,000	102,964,300	108,209,300
Public Safety	1,077,400	459,100	1,536,500
General Government			
Technology	4,940,700	1,880,700	6,821,400
Facilities	43,814,500		43,814,500
Subtotal	89,844,300	357,728,500	447,572,800
Surface Water Mgmt	12,146,300	5,580,100	17,726,400
Water/Sewer	25,908,600	72,464,000	98,372,600
Utilities Subtotal	38,054,900	78,044,100	116,099,000
Grand Total	127,899,200	435,772,600	563,671,800

TRANSPORTATION

The Transportation section is divided into three main categories: capacity projects needed to meet adopted levels of service, preservation projects for maintaining the City’s existing infrastructure, and non-motorized network projects. This section of the CIP contains the largest gap between needs and the projects that were funded in this proposal (Parks needs represent the second largest unfunded category).

Under the current CIP proposal, the first priorities for funding transportation projects are maintenance projects intended to meet Council adopted goals for **Dependable Infrastructure**. To meet these goals, the preliminary CIP proposes increased levels of spending for street preservation and striping, while maintaining a consistent funding level for sidewalk maintenance. The second highest level of funding is for concurrency, or adopted levels of service, with remaining resources being allocated to other transportation enhancements, such as new sidewalks, crosswalk upgrades, opportunity funds and master planning.

The Preliminary CIP includes two projects (one modified and one new) for the annual street preservation program:

1. Annual Street Preservation Program – Funded with gas tax, sales tax, REET 2, and annual solid waste rate contribution towards street preservation for an annual total of \$1.75 million, and
2. Transportation Benefit District (TBD) – Funded with revenues to be received from the potential implementation of the TBD (\$20 fee per vehicle license) in 2013. \$0.55 million is assumed in 2013 and \$1.1 million is assumed each year starting in 2014.

The Preliminary CIP retains the **Annual Sidewalk Maintenance Program** at \$200,000 and increases the annual striping program from \$250,000 to \$300,000 in 2013 and \$350,000 per year starting in 2014 to reflect the growth in the City’s road network and a plan to systematically apply current Kirkland standards for crosswalk and other thermoplastic markings throughout the new neighborhoods.

The third transportation category includes **non-motorized** improvements. This category reflects the Transportation CIP contribution of \$1 million towards the acquisition of the Cross Kirkland Corridor (CKC) as a reduction in funding for the Annual Non-Motorized Program by \$250,000 per year for four years (2013-2016). This section also includes the planned development of the CKC through two unfunded projects: Cross Kirkland Corridor-Interim Trail and Cross Kirkland Corridor Master Plan.

Transportation Project Expenditures by Category

	2013	2014	2015	2016	2017	2018	Average
Non-motorized	3,786	1,056	3,697	1,455	1,028	1,285	2,051
Maintenance	2,300	2,850	2,850	2,850	3,972	2,850	2,945
Capacity	620	705	352	555	1,313	1,244	798
Total Transp.	11,823	10,179	4,950	4,930	5,001	4,930	5,795

Transportation project highlights and key policy issues contained within the transportation section of the CIP are summarized below:

- The spike in Transportation project expenditures in three of the six years of the Preliminary CIP is the result of four projects:
 - NE 120th Street Roadway Extension (East Section) – \$2.85 million in 2013,
 - 100th Avenue NE/NE 132nd Street Intersection Improvements – \$3.2 million over three years starting in 2013,
 - Annual Street Preservation and Non-Motorized programs as described below.
- The **Annual Street Preservation Program** (street overlay) is proposed at \$1.75 million per year. If Council approves implementation of the Transportation Benefit District (TBD) effective January 1, 2013, the total funding for the annual street preservation program would increase by \$0.55 million in 2013 for a total of \$2.3 million. Starting in 2014, the TBD revenues would add \$1.1 million dollars annually raising the total annual amount to \$2.85 million. This potential increase in funding is included in the Preliminary CIP as a separate funded project – Transportation Benefit District. If the Council decides not to implement the TBD, then the project would be removed from the Final CIP adopted in December 2012. The annual program would address needs in the entire city, including the **new neighborhoods**.
- Funding of \$200,000 per year for a **sidewalk maintenance program** is maintained while funding for the **Annual Striping Program** is increased from \$250,000 to \$300,000 in 2013 and further increased to \$350,000 per year starting in 2014. The increase in total dollars for the annual striping program is in response to the additional lane miles to be restriped every year and plans to upgrade crosswalk and other thermoplastic markings to current Kirkland standards as a result of annexation.
- The previously approved project, **One-time Street Preservation** project – the overlay of NE 85th Street, between I-405 and 132nd Avenue NE at a cost of \$1.1 million – was originally scheduled to be completed in 2012. It is now being moved to 2017 in order to better coordinate with ongoing and future capital improvements within the NE 85th Street corridor. This project is funded by State funds transferred to the City as a result of the jurisdictional route transfer of SR 908 (NE 85th Street between Kirkland and Redmond) from State control to the Cities of Kirkland and Redmond within their respective City limits.

- The Preliminary CIP also includes two **one-time funded** projects to address near-term transportation needs in the **new neighborhoods**:
 - Juanita, Finn Hill, Kingsgate Non-Motorized Opportunity Fund funded at \$75,000 per year in 2013 and 2014 only; and
 - Juanita Drive Master Plan funded in 2013 and 2014 for a total of \$280,000.
- The **Annual Program projects** – one each for concurrency street projects, concurrency traffic projects and non-motorized projects – reflect the funding set aside for projects for each of these areas. As the future years draw closer, analysis will be done to prioritize which of the projects included in the annual groupings will receive priority and funding first.
- The **Regional Inter-agency Coordination** project has been increased from \$40,000 to \$82,000 to better account for the actual costs of staff time to represent the City's interests in large regional projects. Engineering staff spend a significant amount of time coordinating with county and state agencies on regional projects and this has a direct benefit to the City. The coordination time does however draw away from time the engineers can be working on City projects. This project helps capture the time and financial impact of this beneficial coordination.
- The **Cross Kirkland Corridor (CKC)** – related CIP adjustments included under the Transportation category in the Preliminary CIP are:
 - Addition of a new, unfunded project – Cross Kirkland Corridor-Interim Trail estimated at \$3 million. This project is included in the PFEC recommendation list of projects funded by the proposed voted 2012 Parks levy.
 - Addition of a second, unfunded project – Cross Kirkland Corridor Master Plan estimated at \$750,000 to help the City gather information on the future development of the CKC.
 - Reduction of the funding of the Annual Non-Motorized Program by \$250,000 per year for four years (2013-2016) to fund the acquisition of the CKC.
- To address near-term transportation needs in the **new neighborhoods** the Preliminary CIP includes four unfunded projects (in addition to increased striping and the two funded projects discussed above):
 - NE 132nd Street Sidewalk Improvement – estimated at \$363,000
 - NE 132nd Street Sidewalk at Finn Hill Middle School – estimated at \$693,000
 - Kirkland ITS Phase IIB – estimated at \$2.64 million
 - Kirkland ITS Phase IIC – estimated at \$2.91 million

SURFACE WATER MANAGEMENT (SWM) UTILITY

The Surface Water CIP is funded from Surface Water rates paid by all property owners. Total available funding for surface water projects is \$2.54 million per year which includes the \$950,000 per year for the Transportation CIP. This funding level assumes utilizing \$200,000 per year of the depreciation funding stream for an annual replacement project for aging and failing infrastructure.

A few funding and project highlights include:

- The two annual projects – **Annual Streambank Stabilization** and **Annual Surface Water Infrastructure Replacement** projects – remain to account for previously funded projects that are now delayed until 2016 or later. Like the Transportation projects, the Surface Water projects will be evaluated for highest priority during each subsequent CIP process.

- **Increased Surface Water and Fish Passage requirements** – over the last several years salmon recovery programs, wetland protection regulations, and fishery standards have increased the intensity and scope of permitting requirements. Consequently, these requirements have delayed some Surface Water projects.
- The **Totem Lake Twin 42-Inch Culvert Replacement** project discussed at the April 17, 2012 Council meeting is included as a funded project to be completed in 2013 at an estimated total cost of \$4.2 million. Over 60 percent of the funding for this project is from reserves and the remainder is from current rate revenues. The total cost of this project is approximately 36 percent of the total funded Surface Water capital projects in the Preliminary CIP. Although this is a very large project in the context of the Preliminary Surface Water CIP, the Surface Water Fund is able to fund this project and retain sufficient reserves.
- In addition to the Totem Lake Culvert Replacement project, the following three new projects in the **new neighborhoods** are being added to the funded list:
 - NE 141st Street/111th Ave NE Culvert Headwall Repair – estimated at \$195,600
 - Goat Hill Storm Drainage Repair – estimated at \$126,100
 - Billy Creek Ravine Stabilization – estimated at \$55,400
- In response to Council request, staff is exploring the feasibility of incorporating a **water/oil separator** at the Public Safety building in order to reduce the potential outflow of grease and oils into the City's storm water system and will update the Council as information becomes available. An implementation plan for the future retrofit water/oil separators within the City's right-of-way will also be a component of the 2012 Surface Water Master Plan update.

WATER/SEWER UTILITY

Utility rates and connection charges fund the Water/Sewer Utility portion of the CIP. Additionally, a planned use of Public Works Trust Fund debt (\$2.07 million) is incorporated as part of the CIP funding strategy. A few funding and project highlights are noted below:

- The **CIP maintains funding for the Emergency Sewer Program (ESP) at \$1.4 million every other year**. The ESP provides for connections to the City's sewer system where septic tanks may be failing and environmental impacts could occur. The ESP provides for construction of sewer lines to allow local connections to be available to homeowners who may not otherwise be able to connect to sewer mains or may be significantly impacted financially to install mains. The ESP allows utility customers to repay their share over ten years beginning at the time they connect to the sewer system or ten years after the construction of the improvement, whichever comes first. Repayment of the loans is occurring as property owners connect and/or properties change hands and home sales and refinancing has accelerated the repayment process.
- **Water projects** addressed in this CIP include:
 - Kirkland Avenue/6th Street S Watermain Replacement – new funded project in 2018 – estimated to cost \$850,000
 - NE 80th Street Watermain Replacement (Phase II) – project moved from unfunded to funded due to available resources at an estimated cost of \$3,270,000
 - Revised cost estimates:

- 104th Ave NE Watermain Replacement costs increased from \$937,000 to \$974,500 due to updated cost estimates and the impact of inflation on the cost as the project completion date was moved from 2016 to 2017.
 - NE 80th Street Watermain Replacement (Phase II) costs increased from \$2,863,000 to \$3,270,000 due to updated cost estimates for this previously unfunded project and the application of the annual inflationary factor for three years to adjust 2012 cost estimates for a scheduled to start in 2015.
- **Sewer projects** addressed in this CIP include:
 - 5th Avenue S Sewermain Replacement at an estimated cost of \$226,900
 - 3rd Avenue S & 2nd Street S Sewermain Replacement at an estimated cost of \$1,077,700
 - 20th Avenue Sewermain Replacement at an estimated cost of \$812,000
 - 7th Avenue South Sewermain Replacement at an estimated cost of \$1,646,000
 - Rose Point Sewer Lift Station Replacement at an estimated cost of \$2,046,000
 - Revised cost estimates
 - 7th Avenue South Sewermain Replacement costs increased from \$804,000 to \$1,646,000 due to updated cost estimates and a four year sewer project inflationary increase for this previously unfunded project, now shown to begin in 2016.
 - Rose Point Sewer Lift Station Replacement costs increased from \$1,811,000 to \$2,046,000 due to updated cost estimates and the impact of inflation on the cost of this previously unfunded project, now shown to begin in 2013.
 - The Preliminary CIP is being incorporated in the water and sewer rate studies currently in process. Once the rate studies are complete, any updated information about rate changes will be factored into the final CIP.

PARKS

The Parks CIP reflects the recommendations of the Park Board and the Park Funding Exploratory Committee (PFEC) and the currently adopted Comprehensive Park, Open Space and Recreation Plan. The Parks CIP is funded from Real Estate Excise Tax (REET) 1 revenue and the King County Park and Open Space Levy approved by the voters in 2007.

The levy provides funding for open space land acquisition and paths and trails. Based on information from King County, Kirkland's annual allocation from the levy is about \$118,000. The levy funds the Park and Open Space Acquisition Program which serves as a readily available funding source for open space opportunities as they arise. Of the available balance of approximately \$430,000 in the Park and Open Space Acquisition Program, \$350,000 is being transferred to cover the costs associated with the acquisition of the CKC. The anticipated annual revenues in 2013 and 2014 are also being earmarked to help offset CKC acquisition-related costs.

In addition, the following previously funded Parks projects have been identified for repurposing to fund the acquisition of the CKC:

Project #	Project Name	Amount Repurposed
PK 0056	Forbes Lake Park Development	195,546
PK 0083	South Juanita Park Site Development	212,349
PK 0087	Waverly Beach Park Renovation	504,225
PK 0111	Skate Park	200,000
PK 0113	Spinney Homestead Park Renovation	350,000
PK 0122	Community Recreation Facility Planning	71,980
Total		1,534,100

Although the Park Board supports the repurposing of these previously funded projects, they also recommended that the Spinney Homestead Park Renovation project be included as a funded project in 2013 in the Preliminary CIP. The Park Board also supported the PFEC recommendation to add the Waverly Beach Park Renovation project to the list of projects to be funded by the proposed voted 2012 park levy. The table below includes the complete list of PFEC recommended capital projects:

Project Name	Total
Waverly Beach Park Renovation	500,000
Juanita Beach Bathhouse Replacement	1,200,000
Dock and Shoreline Renovations	800,000
City-School Playfield Partnership	1,000,000
Neighborhood Park Land Acquisition	2,500,000
Edith Moulton Park Renovation	1,000,000
Cross Kirkland Corridor (Included in Transportation CIP)	3,000,000
Total Unfunded Parks Levy Projects	10,000,000

All the projects recommended by the PFEC are included as unfunded projects in the Preliminary CIP. Note that the \$3 million for the development of the CKC is included as an unfunded project in the Transportation section of the CIP.

As discussed in the Funding section, the Park impact fees are used to cover debt service payments for McAuliffe Park and the Teen Center. This funding strategy is based on the methodology of the last impact fee update. Park impact fees are not a source of funding for Parks capital projects in the Preliminary CIP. In fact, shortfalls in impact fee revenue dedicated to debt service may have to be offset by REET 1 revenues which could impact the funding for Parks projects.

The Preliminary CIP also includes the following changes:

- **Park Play Area Enhancements** – Reduced funding by \$50,000 in 2013 compared to the Revised 2011-2016 CIP to reflect a change in timing of a previously planned play area replacement. The preliminary schedule includes enhancements at the following parks: Van Aalst Park (2015) and Forbes Creek Park (2016). No playgrounds are scheduled for enhancement or replacement in 2013 or 2014. Projects in 2017 and 2018 will be determined based on on-going assessments and inspection of existing infrastructure.
- **Terrace Park Renovations** – Updated cost estimates for anticipated design, project management, and construction. Project scope increased to include wheelchair-accessible pathway.

- **Juanita Beach Park Development** – Phase 2 project implementation moved from 2013 (in Revised 2011-2016 CIP) to 2017 and 2018 after determining that State grant monies were not available in 2013 as previously anticipated.
- A continuing project is the **Green Kirkland Forest Restoration Program**. This project reflects the City's partnership with Cascade Land Conservancy (CLC) to restore and sustain Kirkland's urban forests. This project started in 2006 with an anonymous donor's contribution to the CLC and the donor's requirement that CLC and the City partner together to complete the work in the parks. The Preliminary CIP continues the implementation of a 20-year urban forest restoration plan in City parks that includes removal of invasive plants, such as English Ivy and Himalayan Blackberry, and the planting of new trees and native shrubs/groundcover. Parks include, but are not limited to, Watershed Park, Carillon Woods, Juanita Bay Park, Everest Park, and Crestwoods Park. Annual funding for this program is being increased from \$50,000 to \$75,000 to reflect growth in the program to more restoration sites.

GENERAL GOVERNMENT AND PUBLIC SAFETY

This category addresses capital needs related to police and fire services, technology systems and general government buildings. The annual allocation of interest income shared between these three areas is reduced from \$500,000 in the Revised 2011-2016 CIP to \$300,000 in 2013 and 2014 and \$400,000 in years 2015-2018. In addition, this amount is supplemented by \$350,000 of dedicated funding from sales tax and utility revenues annually for technology projects. The facilities replacement sinking fund supports the major building repairs included in the Preliminary CIP.

PUBLIC SAFETY

Public Safety projects include police and fire capital needs and purchase of major pieces of equipment. Upon annexation, King County Fire District #41 ceased to exist and is therefore no longer a source of funding for Fire service projects (with the exception of the Consolidated Station Project discussed in the *Facilities* section that follows).

Project highlights are summarized below:

- All the funded Public Safety projects relate to **replacement of vital equipment** such as **mobile data computers, dive rescue equipment**, and the **self-contained breathing apparatus (SCBA)** for Fire. As discussed earlier, the replacement of items such as SCBA would ideally be funded through replacement reserves. Until such reserves are established, these items are replaced with the limited funding allocated to Public Safety capital projects. In fact, the cost of replacing the SCBAs exceeds available funding from interest revenue dedicated to public safety projects in the Preliminary CIP and will require the use of a portion of the State liquor profits set-aside reserve. If sinking fund reserves are established as part of the 2013-2014 Budget, then these items and the associated funding will be moved out of the CIP into the new sinking funds.
- Unlike the last CIP cycle, which had no unfunded Public Safety projects, this Preliminary CIP has two:
 - Local Emergency/Public Communication AM Radio and
 - Replacement of portable radios for Fire in 2018.

GENERAL GOVERNMENT

Technology

Projects in the technology section of the CIP address new system acquisitions and the replacement and upgrade of existing systems. Technology projects are funded from a mix of revenue sources including sales tax, interest income, utility rates (for the GIS and Network projects), reserves, available IT Fund cash, and when appropriate, external funding.

Funding for IT capital projects continues to be a major constraint. The Preliminary CIP was balanced by showing network CIP in outer years as unfunded. The City Manager recognizes that the long-term impact of deferring projects in response to funding shortages can result in unfunded liabilities that ultimately weaken the City's ability to build a sustainable budget. Similar to the discussion above, a potential solution is to establish sinking funds and replacement reserves for elements of the City's technology infrastructure with predictable replacement dates. In the future, when times are better, one-time revenues should be used to establish reserves for the City's unfunded liabilities.

IT capital projects included in the Preliminary CIP are primarily scheduled system replacements and ongoing work plans, such as Geographic Information Systems (GIS), except for the one new project, Disaster Recovery System Improvement, totaling \$200,000 scheduled for 2013 and 2014.

IT projects include:

- The Preliminary CIP continues implementation of the **GIS Strategic Plan**. Among projects to be completed over the next six years: completing tools to help keep data up to date, additional crime analysis mapping, environmental layers, updated orthophotography every two to three years, plotter replacements, integration with other City systems, and expected server and software upgrades. Funding includes a combination of general government resources (\$673,000), prior year funding and IT cash (\$140,000), and water/sewer and surface water utility resources (\$542,000).
- An important project to the safety of City data and technology systems in the event of a disaster is the **Disaster Recovery System Improvements** project. This project has a history of being funded and unfunded to address budget constraints. The current proposal is a fresh start at addressing this critical need. Other systems that could be vital in the event of a disaster, such as GIS, email, the internet and public safety systems do not have an adequate backup and recovery system. This project provides funding for necessary planning and equipment needed to bring up important systems offsite if our main equipment at City Hall is damaged or the building is inaccessible.
- **Four major system replacements/upgrades** are proposed within the Preliminary CIP: the Finance and HR Modules, Network Phone System, Helpdesk System, and the Maintenance Management System Upgrade. These systems are considered major systems because of the integral part they have in daily City operations as well as the complexity and scope of the systems. A Major Systems Replacement Reserve was established in 2003 to set aside funding for major system replacements that are usually beyond the annual available funding for projects. The planned use of Major Systems Replacement Reserve for Fleet Management System and Recreation Registration System replacement systems was allocated to the Maintenance Management System Upgrade. Most of the available balance in the Major Systems Replacement Reserve was used to fund the Energov project and the remainder will be used to help fund the Maintenance Management System upgrade in 2013-14.

Facilities

The City has a Facilities Maintenance Fund that accounts for the cost of maintenance and debt service on general government facilities such as City Hall, the Maintenance Center and the Parking Garage. A life cycle cost analysis was completed in 2000 that identified preventative maintenance and replacement funding needs for City facilities for twenty years. The operating departments pay sinking fund charges from their annual operating budget to a sinking fund reserve which funds the life cycle facility projects. Facilities project costs include the cost of development-related review and permit fees as directed in the policy that was adopted with the 2008-2013 CIP.

The City took advantage of an opportunity to issue debt at historically low interest rates toward the end of 2010 to address a significant facility issue facing the City – space. Since the original plan was developed in 2010, staff has been working to refine the financing plan and identify additional funding sources. The Preliminary CIP reflects the current financing plan.

Project highlights include:

- The funding for the Public Safety Building (PSB), Maintenance Center Expansion (MC), and City Hall in the Preliminary CIP now matches the information presented to Council on February 21, 2012 (see table below). Total cost of these projects is \$53.07 million (including prior years, funded, and unfunded). The current financing plan anticipates a second bond issue in 2015 to finance the City Hall project after completion of the PSB. Once the specific City Hall requirements are identified, a more detailed financing plan will be developed. Depending on the financing available at that time, the project could be scaled back or phased in if needed.
- The Maintenance Center Expansion project is scheduled to be completed in 2012 and is included in the active projects list, but it is not otherwise discussed in the Preliminary CIP, which focuses on projects being undertaken during 2013 to 2018.
- The Preliminary CIP also includes life cycle facilities projects funded by the sinking fund reserve.

Potential Funding Sources - February 2012

Source	PSB	MC	City Hall	Total
<i>REET 1</i>	2,200,000			2,200,000
<i>General Fund Cash</i>	631,407			631,407
<i>Building & Property Reserve</i>	1,566,019			1,566,019
<i>Facilities Expansion Reserve</i>	800,000			800,000
<i>Capital Contingency</i>		50,000		50,000
Subtotal Capital Reserves	5,197,426	50,000		5,247,426
CTED Grant	325,496			325,496
NEC Funds	294,837			294,837
Facilities Sinking Fund	975,255	291,558	695,424	1,962,237
Deferred/Closed CIP Projects	402,078		101,314	503,392
Proceeds from Sale of Property			3,500,000	3,500,000
My Home Wholesale Rent	450,000			450,000
Interest Earnings	202,783			202,783
Maintenance Bay to PSB from MC	400,000	(400,000)		0
BAB Debt Proceeds (net of issuance)	33,304,390	1,568,442		34,872,832
Future Debt Issuance			5,713,262	5,713,262
Potential Available towards Facilities	41,552,265	1,510,000	10,010,000	53,072,265

Regional Storm water Decant Facility – The Final CIP may include a new facilities project that is not shown in the Preliminary CIP – a regional recycling decant facility costing several million dollars to address industrial waste disposal needs of the City and neighboring public agencies. The costs would be shared by all partners. This project is in the exploratory stages and it is anticipated that staff will bring forward information for the Council’s discussion and policy guidance later this year.

Public Art

The Preliminary CIP continues to include the policy first incorporated in the 2008-2013 CIP of one percent for the arts. The percent for arts policy states that eligible CIP projects budgeted at \$500,000 or more will spend a minimum of one percent of the project budget on public art as part of the overall project design. Projects not included under this policy are: motorized transportation, utilities, land acquisition, projects consisting of only planning dollars, and those where 100 percent of all funding sources prohibit public art as an eligible expense. Examples of projects that qualify include the Public Safety Building, the Consolidated Fire Station No. 25, and Rose Hill Business District Sidewalks.

CONCLUSION

The Preliminary 2013 to 2018 CIP reflects policies in place and assumptions used during the development phase. It is anticipated that the City Council will be addressing the series of policy discussions identified in this Preliminary CIP, including:

- Transportation Benefit District;
- Parks Funding Exploratory Committee recommendations;
- Long-term funding of acquisition and development of the Cross Kirkland Corridor;
- Facilities projects;
- Sinking fund reserves; and
- Strategies for funding near-term capital needs in the new neighborhoods.

As the City proceeds into the budget process, information will be brought forward which should help inform these discussions. The Preliminary CIP is an interim plan that is expected to change almost as soon as it is presented given that the TBD and PFEC discussions will take place at the Study Session on May 15. The Final 2013-18 CIP to be adopted along with the 2013-2014 Budget in December 2012 will incorporate Council decisions made through the rest of this year.

Respectfully submitted,



Kurt Triplett, City Manager



Tracey Dunlap, Director of Finance & Administration

POSTSCRIPT

The final 2013 to 2018 Capital Improvement Program (CIP) was adopted by resolution on December 11, 2012. One major change that occurred between the presentation of the preliminary CIP in May 2012 and the adopted CIP was the inclusion of projects and revenues generated by two levy lid lifts passed by Kirkland voters in November 2012. The preliminary CIP assumed that additional street preservation funding would be generated from a proposed Transportation Benefit District (TBD) charge of \$20 per vehicle that the Council had under consideration. In the intervening months, the City Council directed that staff pursue a voted levy lid lift instead of the TBD. Proposition 1 – Levy for City Street Maintenance and Pedestrian Safety was approved by voters in November 2012 and is reflected in the adopted CIP.

At the same time, Proposition 2 – Levy for City Parks Maintenance, Restoration, and Enhancement was approved by voters. The Park Funding Exploratory Committee (PFEC) recommendations for this levy were originally shown as unfunded in the Preliminary CIP. These projects were moved to funded in the adopted CIP.

Other changes reflect the impacts of grants received, identification of specific projects funded from annual placeholder funding, and recognizing emerging needs or project changes that occurred since May 2012. Following City Council review of the Preliminary 2013 to 2018 CIP, the following modifications were made for the final 2013 to 2018 CIP:

Adjustments to Funded Transportation Projects

- **Street Maintenance & Pedestrian Safety** (ST 0006 003) – The Annual Street Preservation Program component funded by the Transportation Benefit District has been replaced with the Street Maintenance & Pedestrian Safety Project funded by the street and pedestrian safety levy approved by voters in 2012. The total 2013-2018 project cost increased from \$6,050,000 to \$15,319,000 based on the estimated levy proceeds for this period. A dedicated portion of the levy for pedestrian safety and safe school walk routes (\$300,000 per year) will be reallocated to specific eligible projects as they are identified. In addition, a portion of the levy funds are used toward expenses in the Street Operating Fund related to street preservation and pedestrian safety efforts. The overall funding for maintenance and pedestrian safety efforts funded by the levy is approximately \$3 million per year.
- **Cross Kirkland Corridor Trail (Interim)** (NM 0024 000) – Project was moved from unfunded to funded and project cost increased from \$3 million to \$3.4 million. This project received \$2 million in State Appropriations and \$1.07 million in CMAQ grant Funding. Other grant funding is being sought and currently \$247,800 in Park Levy funds are budgeted, with an additional \$79,200 in REET reserves as a contingency (a total of \$327,000 in City funding for the biennium). The full cost of the project is under development and funding from all sources may be adjusted based on the final budget and grant results.
- **Cross Kirkland Corridor Trail Master Plan** (NM 0024 101) – Project was moved from unfunded to funded and project cost reduced from \$750,000 to \$500,000; half of the funding is currently from the Park Levy approved by voters in November 2012, with the remainder funded from REET reserves. This project will help the City gather information for the future development of permanent improvements to the corridor.
- 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 other grants. Project total cost changed from \$1,300,000 to \$2,238,900 consistent with project scope in the grant applications.
- **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.
- **Citywide Safety & Traffic Flow Improvements** (TR 0113) – Project was moved from unfunded to funded due to the receipt of a federal grant of \$300,000. Total project cost is \$302,200.
- **100th Avenue NE Corridor Study** (ST 0083) – Project funded at \$50,000 was added as a result of a City Council request to study possible alternative regional solutions to the related unfunded project (ST 0083 101).
- **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).
- **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 added to the unfunded list, based on a former King County project in the annexation area with an estimated cost of approximately \$9.5 million. The cost is a placeholder as the project becomes more fully vetted for future grant opportunities. As previously mentioned, a funded project (ST 0083) to study the corridor, with a potential regional approach was also added.
- **Juanita-Kingsgate 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.
- Several additional unfunded projects in the new neighborhoods were added:
 - **84th Avenue NE Sidewalk** (NM 0075) – Project cost \$4,052,800; a Finn Hill Neighborhood Alliance recommended project.
 - **NE 140th Street Sidewalk—Keller Elem Walk Route Enhancement North** (NM 0077) – Project cost \$1,185,000
 - **NE 140th Street Sidewalk—Muir Elem Walk Route Enhancement** (NM 0076) – Project cost \$1,131,000.

- **NE 140th Street Sidewalk—Keller Elem Walk Route Enhancement South** (NM 0078) – Project cost \$747,000
- **NE 140th Street Sidewalk—Muir Elem Walk Route Enhancement Phase 2** (NM 0079) – Project cost \$648,000.
- **90th Avenue NE Sidewalk** (NM 0074) – Project cost \$353,400, based on a former King County project that was re-nominated by the Finn Hill Neighborhood Alliance.
- **Slater Avenue Traffic Calming** (TR 0114) – A new project to address neighborhood concerns for increased traffic through local redevelopment in the North Rose Hill Neighborhood, estimated to cost \$247,000.
- **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.
- Estimated cost for an unfunded project, **Kirkland ITS Implementation Phase II** (TR 0111 001) is reduced from \$4,100,000 to \$1,189,000 as a result of an updated scope in relation to other ITS project phases.

Adjustments to Surface Water Projects:

- **Totem Lake Twin 42 Inch Culvert Replacement** (SD 0075) – Project increased from \$4.23 to \$5.27 million due to revised project elements.
- **Public Safety Building Stormwater Quality Demonstration Project** (SD 0079) – New project incorporated into the Public Safety Building project starting in 2013 to provide an example of innovative and effective ways to treat and re-use storm water with an estimated cost \$160,000.
- **Neighborhood Drainage Assistance Program** (SD 0081) – New biennial program starting in 2013, with funding proposed at \$50,000 per program year to address small-scale flooding issues.
- Revised cost estimates for the following funded surface water management projects resulting from more detailed engineering analysis:
 - **Goat Hill Storm Drainage Repair** (SD 0077) – Estimated cost increased from \$126,100 to \$153,700
 - **Billy Creek Ravine Stabilization** (SD 0078) – Estimated cost increased from \$55,400 to \$67,400
 - **NE 141st Street/111th Ave NE Culvert Headwall Repair** (SD 0076) – Estimated cost reduced from \$221,100 to \$181,500
- **Regional Decant and City Maintenance Facility** (SD 0080) – Unfunded project added for a regional facility to recycle and re-use accumulated materials; Grant opportunities and other funding partners are being sought; estimated cost is \$10,500,000

Adjustments to Utility Projects:

- **5th Street S Watermain Replacement** (WA 0134) – Moved from unfunded to funded, estimated to cost \$850,000.
- **6th Street S. Watermain Replacement** (WA 0139) – Moved from unfunded to funded, estimated to cost \$671,000.
- **NE 80th Street Watermain Replacement (Phase 2)** (WA 0116) – A minor name change and modified scope with a new revised estimated total cost increase from \$2,314,800 to \$2,836,400.

- **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 85th Street Watermain Replacement** (WA 0140) – A name correction and modified scope with a new revised estimated total cost, which decreased from \$3,270,000 to \$2,413,000.
- **Kirkland Avenue/6th Street S Watermain Replacement** (WA 0145) – Project start date changed from 2018 to 2016 and estimated cost decreased from \$850,000 to \$755,000.
- **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.
- **7th/8th Avenue West Alley Sewermain Replacement** (SS 0081) – New project added in 2013 to correct a recently identified system deficiency (\$354,000).
- **Rose Point Sewer Lift Station Replacement** (SS 0073) – Project moved start year from 2013 to 2014 and estimated cost increased from \$2.05 million to \$2.29 million.
- **3rd Avenue S and 2nd Street S. Sewermain Replacement** (SS 0079) – Project moved start year from 2014 to 2015 and estimated cost increased from \$1.08 million to \$1.23 million.
- **116th Avenue NE / NE 70th – NE 80th Street Watermain Replacement** (WA 0113) – Project moved from funded to unfunded and project cost reduced from \$2,428,000 to \$2,222,1000 as a result of the implementation of modified scopes and funding needs for two adjacent water system improvements.

Revisions to Parks Projects:

- All the projects recommended by the Park Funding Exploratory Committee (PFEC) were originally shown as unfunded in the Preliminary CIP. These projects were moved to funded in the adopted CIP as a result of the voter approval of the Park Levy in November 2012. They include:
 - **Waverly Beach Park Renovation** (PK 0087 100) – Project cost \$500,000.
 - **Juanita Beach Bathhouse Replacement & Shelter** (PK 0119 100) – Project cost \$1.2 million (Name changed from Juanita Beach Bathhouse Replacement to better reflect scope of project).
 - **Dock & Shoreline Renovations** (PK 0133 100) – Project cost \$800,000.
 - **City School Playfield Partnerships** (PK 133 200) – Project cost \$1,000,000.
 - **Neighborhood Park Land Acquisition project** (PK 0133 300) – Project cost \$2,350,000, revised down from \$2.5 million to reflect the estimated property tax levy from King County Assessor’s Office.
 - **Edith Moulton Park Renovation** (PK 0133 300) – Project cost \$1,000,000.
 - As mentioned in the transportation section, \$500,000 of park levy funding has been allocated to the **Cross Kirkland Corridor Trail-Interim** (NM 0024 000) and the **Cross Kirkland Corridor Master Plan** (NM 0024 101).

Revisions to Public Safety Projects:

- The implementation of new sinking funds with the adoption of the 2013-2014 budget for public safety equipment 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 moved from unfunded to funded 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.
- **Fire Dive Rescue Equipment** (PS 0067) – Project moved from 2013 to 2014 with no change in cost.
- The Fire **Mobile Data Computer Replacements** project (PS 0061 017) was removed because the replacement costs have been included in the regular computer replacement charges and incorporated into the operating budget as of 2013-14.

Revisions to General Government Projects:

- The implementation of a new sinking fund with the adoption of the 2013-2014 budget for technology infrastructure resulted in the following changes to the respective projects:
 - **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. Note that planned replacements of copiers in 2013-2014 were included as a service package in the operating budget.
- **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.
- Facility life cycle projects were updated to include some emerging needs for 2013-14 (increased \$123,000, funded from facility sinking fund reserve).

Incorporating the changes mentioned above, the overall funded CIP changes from \$127,899,200 in the Preliminary CIP to \$158,311,100 in the Final CIP for the six-year period. The table on the next page reflects final funding decisions and the table on the following page summarizes the changes to projects that were adopted by the City Council.

**2013-2018 Capital Improvement Program
Revenue Projections (in thousands)**

Dedicated Revenue	2013	2014	2015	2016	2017	2018	6-Year Total
Transportation							
Gas Tax	558	575	592	610	628	647	3,610
Sales Tax	270	270	270	270	270	270	1,620
Utility Rates	950	950	950	950	950	950	5,700
Real Estate Excise Tax (REET) 1	353	364	375	386	397	409	2,284
Real Estate Excise Tax (REET) 2	1,071	1,103	1,136	1,170	1,205	1,242	6,927
Impact Fees	350	350	350	350	350	350	2,100
Street & Pedestrian Safety Levy	2,345	2,600	2,600	2,600	2,600	2,600	15,345
Parks Levy*	500	-	-	-	-	-	500
Solid Waste Street Preservation	300	300	300	300	300	300	1,800
REET 2 Reserve	480	480	480	480	480	480	2,880
External Sources	5,693	5,692	2,501	-	-	-	13,886
Subtotal Transportation	12,870	12,684	9,554	7,116	7,180	7,248	56,652
Parks							
Real Estate Excise Tax 1 (REET)	718	740	762	785	808	832	4,645
Impact Fees	-	-	-	-	-	-	-
Parks Levy*	750	1,250	1,250	1,250	1,250	1,250	7,000
REET 1 Reserve	100	-	-	-	-	-	100
External Sources	118	118	-	-	-	500	736
Subtotal Parks	1,686	2,108	2,012	2,035	2,058	2,582	12,481
General Government: Technology, Facilities & Public Safety							
General Fund Contributions for:							
Public Sfty. Equip. Sinking Fund	1,500	500	500	500	500	500	4,000
Technology Equip. Sinking Fund	950	450	450	450	450	450	3,200
Utility Rates	150	203	150	150	150	150	953
IT Fund Operating Cash	-	-	193	-	-	-	193
Facilities Life Cycle Reserve	90	357	390	223	617	858	2,535
Maj Sys Replacement Rsv	246	-	-	-	-	-	246
General Capital Reserves	6,241	-	-	-	-	-	6,241
Debt	25,042	827	4,532	-	-	-	30,401
External Sources	2,002	624	3,419	-	-	-	6,045
Subtotal General Government	36,221	1,634	1,168	1,048	1,731	1,617	53,814
Utilities							
Utility Connection Charges	865	865	865	865	865	865	5,190
Utility Rates - Surface Water	1,588	1,588	1,588	1,588	1,588	1,588	9,528
Utility Rates - Water/Sewer	2,408	2,408	2,408	2,408	2,408	2,408	14,448
Debt	886	3,152	-	-	-	-	4,038
Reserves	4,885	53	1,450	-	1,450	-	7,838
External Sources	168	168	-	-	-	-	336
Subtotal Utilities	10,800	8,234	6,311	4,861	6,311	4,861	41,378

*\$500,000 of Park Levy funding in 2013 is allocated for Cross Kirkland Corridor projects in the Transportation CIP

	6-Year Funded CIP	Unfunded CIP	Total CIP
Preliminary 2013-2018 CIP	127,899,200	435,772,600	563,671,800
Changes to Preliminary CIP:			
Street Maintenance & Pedestrian Safety	9,269,000		9,269,000
NE 120th Street Roadway Extension (East Section)	740,800		740,800
100th Ave NE Corridor Study	50,000		50,000
Cross Kirkland Corridor (Interim)	3,397,000	(3,000,000)	397,000
Cross Kirkland Corridor Master Plan	500,000	(750,000)	(250,000)
Park Lane Pedestrian Corridor Enhancements Phase II	2,238,900	(1,300,000)	938,900
Annual Non-Motorized Program	(328,500)		(328,500)
Kirkland ITS Implementation Phase IIC	2,911,000	(2,911,000)	-
Citywide Safety & Traffic Flow Improvements	302,200	(302,200)	-
100th Ave NE Roadway Improvements		9,500,000	9,500,000
NE 112th St Sidewalk		2,000	2,000
90th Ave NE Sidewalk		353,400	353,400
84th Ave NE Sidewalk		4,052,800	4,052,800
NE 140th St Sidewalk - Muir Elem Walk Rt Enhan, Phase 1		1,131,000	1,131,000
NE 140th St Sidewalk - Keller Elem Walk Rt Enhan. - N		1,185,000	1,185,000
NE 140th St Sidewalk - Keller Elem Walk Rt Enhan. - S		747,000	747,000
NE 140th St Sidewalk - Muir Elem Walk Rt Enhan, Phase 2		648,000	648,000
Juanita-Kingsgate Pedestrian Bridge at I-405		4,500,000	4,500,000
Kirkland ITS Implementation Phase II		(2,911,000)	(2,911,000)
Slater Avenue NE Traffic Calming - Phase I		247,000	247,000
Changes to Funding Available-Annual Programs for Trans. Candidate Projects*		328,500	
Totem Lake Twin 42 Inch Culvert Replacement	1,046,100		1,046,100
NE 141st Street/111th Avenue NE Culvert Repair	(39,600)		(39,600)
Goat Hill Storm Drainage Repair	27,600		27,600
Billy Creek Ravine Stabilization Phase II	12,000		12,000
Public Safety Building Stormwater Quality Demonstration	160,000		160,000
Neighborhood Drainage Assistance Program (NDA)	150,000		150,000
Regional Decant and City Maintenance Facility		10,500,000	10,500,000
NE 80th Street Watermain Replacement (Phase II)	521,600		521,600
116th Ave NE/NE 70th-NE 80th St Watermain Replacement	(2,428,000)	2,222,100	(205,900)
5th Ave S/8th St S Watermain Replacement	850,000	(1,420,000)	(570,000)
6th Street S Watermain Replacement	671,000	(584,000)	87,000
NE 85th Street Watermain Replacement	(857,000)		(857,000)
Kirkland Avenue/6th Street S Watermain Replacement	(95,000)		(95,000)
Park Lane Watermain Replacement	297,000		297,000
Annual Watermain Replacement Program	(167,000)		(167,000)
Annual Water Pump Station/System Upgrade Plan	222,000		222,000
Rose Point Sewer Lift Station Replacement	241,400		241,400
3rd Avenue S & 2nd Street S Sewermain Replacement	149,300		149,300
7th/8th Avenue West Ally Sewermain Replacement	354,000		354,000
Annual Sanitary Pipeline Replacement Program	564,800		564,800
Annual Sanitary Pump Station/System Upgrade Pgm	735,300		735,300
Changes to Funding Available-Annual Programs for W/S Candidate Projects*		(1,355,100)	
Waverly Beach Park Renovation	500,000	(500,000)	-
Juanita Beach Bathhouse Replacement & Shelter	1,200,000	(1,200,000)	-
Dock & Shoreline Renovations	800,000	(800,000)	-
City-School Playfield Partnership	1,000,000	(1,000,000)	-
Neighborhood Park Land Acquisition	2,350,000	(2,500,000)	(150,000)
Edith Moulton Park Renovation	1,000,000	(1,000,000)	-
Fire Self Contained Breathing Apparatus (SCBA)	(24,000)		(24,000)
Public Safety Portable Radios	347,000	(340,000)	7,000
Public Safety Mobile Data Computers - Replacement	(256,800)		(256,800)
Public Safety Personal Protective Equipment	518,200		518,200
Police Equipment Replacement	661,100		661,100
Network Storage	760,000	(760,000)	-
Copier Replacements	104,000		104,000
Mechanical/HVAC Systems Replacements	68,000		68,000
Roofing, Gutter, Siding and Deck Replacements	55,000		55,000
City Hall Expansion	(166,500)		(166,500)
Subtotal Changes to Preliminary 2013-2018 CIP	30,411,900	12,783,500	44,222,000
Final 2013-2018 CIP	158,311,100	448,556,100	606,867,200

*Net impact of changes to funded projects changes the amount available for unfunded candidate projects

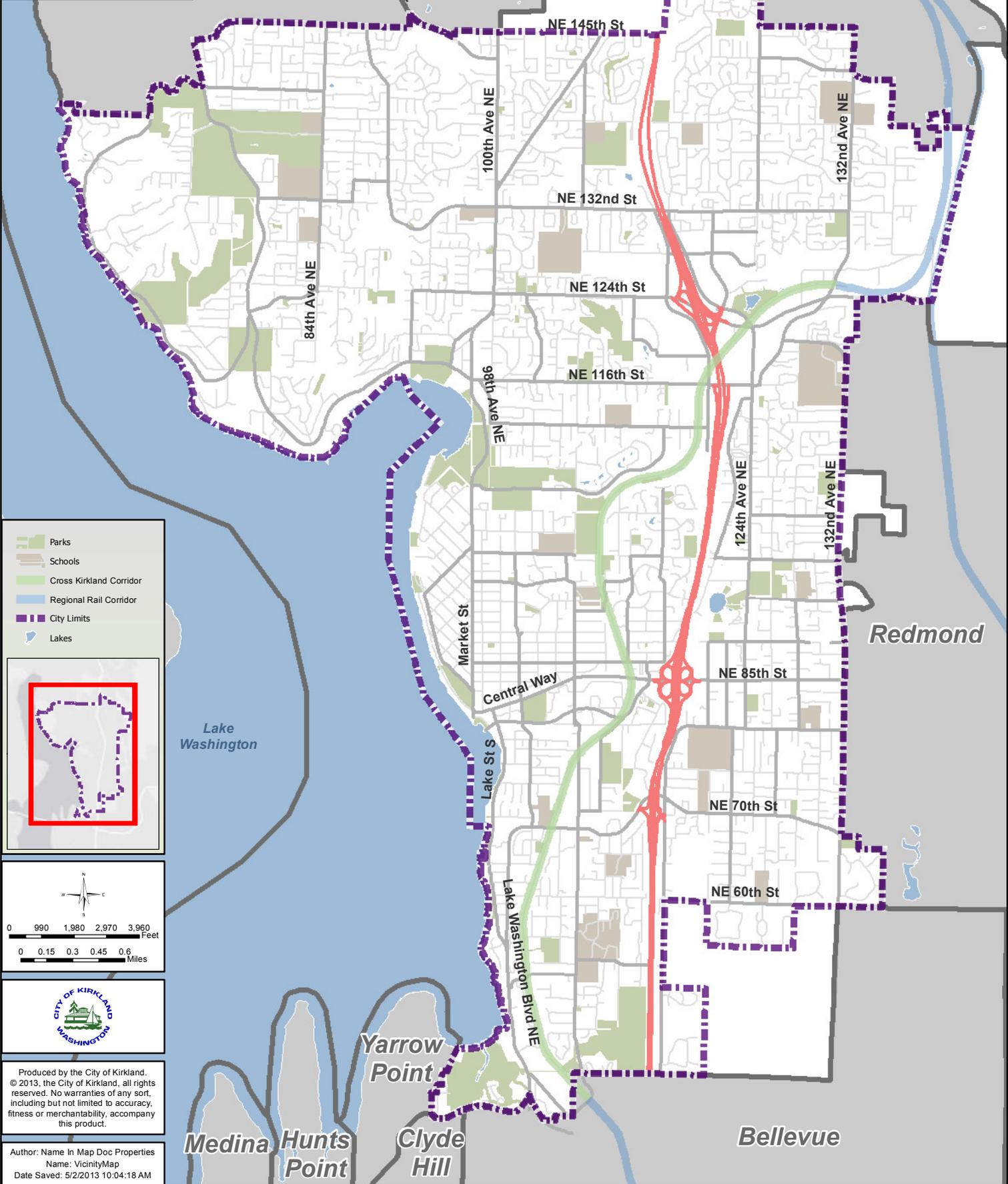
Kirkland City Limits

Kenmore

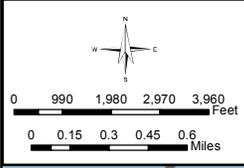
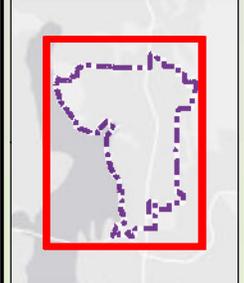
Simonds Rd NE

Bothell

Woodinville



-  Parks
-  Schools
-  Cross Kirkland Corridor
-  Regional Rail Corridor
-  City Limits
-  Lakes



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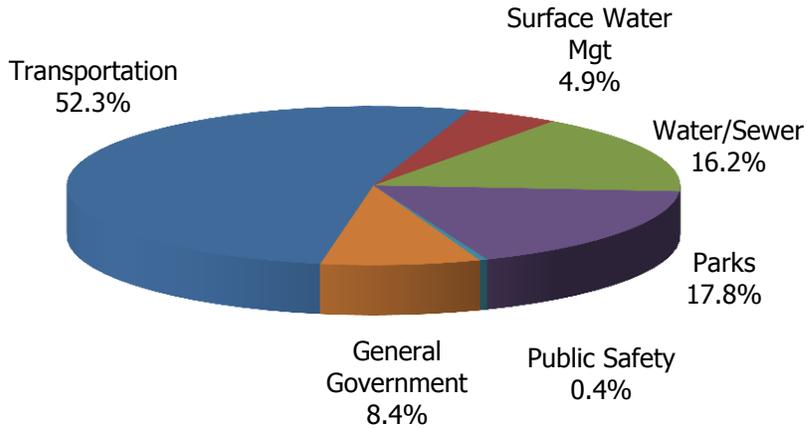


Capital Improvement Program

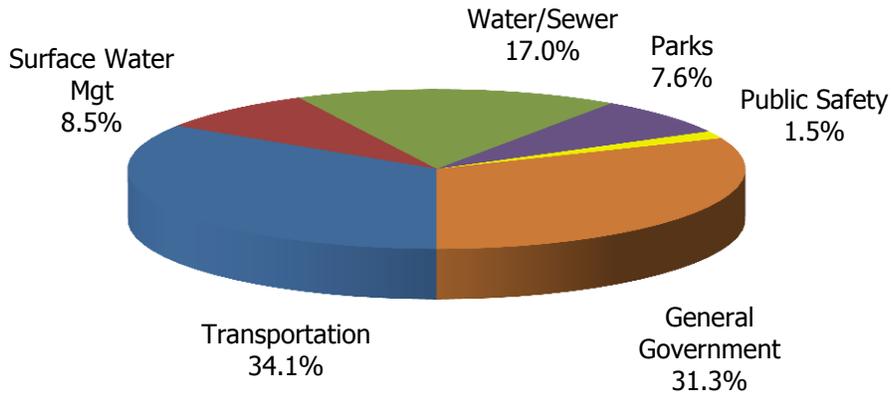
2013-2018



Total Requested - \$606,867,200



Total Funded - \$158,311,100



**City of Kirkland
2013-2018 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			
										Current Revenue	Reserve	Debt	External Source
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				
ST 0006 002*	Annual Street Preservation Program-One-time Project		1,122,000	1,122,000					1,122,000			1,122,000	
ST 0006 003	Street Maintenance & Pedestrian Safety		2,345,000	2,574,000	2,600,000	2,600,000	2,600,000	2,600,000	15,319,000				
ST 0057 001*	NE 120th Street Roadway Extension (East Section)	3,762,000	3,595,000	350,000	350,000	350,000	350,000	350,000	3,595,000	77,500		2,802,000	
ST 0080*	Annual Striping Program		200,000	80,000					280,000				
ST 0082	Juanita Drive Corridor Study		50,000						50,000				
ST 8888*	Annual Concurrence Street Improvements		82,000	82,000	482,400	480,000	215,000	852,500	2,029,900	206,500			
ST 9999*	Regional Inter-Agency Coordination		70,000	82,000	82,000	82,000	82,000	82,000	492,000				
NM 0012	Crosswalk Upgrade Program		2,158,000	1,239,000	70,000	70,000	70,000	70,000	210,000				
NM 0024 000+	Cross Kirkland Corridor Trail (Interim)	203,000	500,000						3,397,000				
NM 0024 101+	Cross Kirkland Corridor Master Plan		500,000						500,000				
NM 0057	Annual Sidewalk Maintenance Program		200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	300,000			
NM 0064 001+	Park Lane Pedestrian Corridor Enhancements Phase II		350,000	1,888,900					2,238,900	319,900			
NM 0073	JFK Non-Motorized Program		75,000						150,000	120,000			
NM 8888*	Annual Non-Motorized Program		350,000	350,000	208,300	605,000	1,043,500	1,043,500	2,899,800	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			
TR 0111 003	Kirkland ITS Implementation Phase IIC		576,000	2,205,500	129,100				2,911,000	404,500			
TR 0113+	Citywide Safety & Traffic Flow Improvements		302,200		475,000	543,000	381,300		302,200	2,200			
TR 8888*	Annual Concurrence Traffic Improvements								1,169,300	230,000			
Total Funded Transportation Projects		3,965,000	12,903,200	11,916,800	8,847,800	6,610,000	6,691,300	6,878,000	53,847,100	37,003,500	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

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

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 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	1130th 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 Imprvments	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 Faci-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/1-405 Pedestrian/Bicycle Overpass	3,740,700
NM 0031	Crestwoods Park/BNSF 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	Juanita-Kingsgate Pedestrian Bridge at I-405	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 Imprvments 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	1,189,000
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		71,863,600
Total Unfunded Transportation (ST, NM, and TR) Projects		270,273,900
Funding Available from Annual Programs for Candidate Projects		6,329,000
Net Unfunded Transportation Projects		263,944,900

* = Modification in timing and/or cost (see Project Modification Schedule for greater detail)
 + = Moved from unfunded status to funded 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 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/Falling Infrastructure	180,000	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.	232,200	340,000	667,100	450,000				1,457,100	1,457,100			
SD 0051*	Forbes Creek/KC Metro Access Road Culvert Enh.	260,200					688,000	370,700	1,058,700	1,058,700			
SD 0053*	Forbes Creek/Coors Pond Channel Grade Controls	115,400						164,700	164,700	164,700			
SD 0058*	Surface Water Sediment Pond Reclamation Phase II	585,400							735,600	735,600			
SD 0059*	Totem Lake Boulevard Flood Control Measures	115,500							1,014,800	1,014,800			
SD 0067*	NE 129th Place/Juanita Creek Rockery Repair	922,000	302,800	1,048,000	223,300	238,000			223,300	223,300			336,000
SD 0075~	Totem Lake Twin 42 Inch Culvert Replacement		4,347,000						4,347,000		3,093,800		
SD 0076#	NE 141st Street/11th Avenue NE Culvert Repair		181,500						181,500		181,500		
SD 0078#	Goat Hill Storm Drainage Repair			153,700					153,700		53,100		
SD 0079	Billy Creek Ravine Stabilization Phase II			67,400					67,400		160,000		
SD 0081	Public Safety Building Stormwater Quality Demonstration		160,000		50,000		50,000	425,000	150,000	1,125,000			
SD 8888*	Neighborhood Drainage Assistance Program (NDA)		50,000					427,600	1,127,600	1,127,600			
SD 9999*	Annual Streambank Stabilization Program					350,000	350,000						
	Annual Surface Water Infrastructure Replacement Program					350,000							
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

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 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

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	561,030	1,829,670

**City of Kirkland
2013-2018 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*	10th Ave NE Watermain Replacement				50,000		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	625,000	2,413,000						2,413,000	2,413,000			
WA 0145	Kirkland Avenue/6th Street S Watermain Replacement		62,000	235,000		755,000			755,000	755,000			
WA 0148	Park Lane Watermain Replacement								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						385,000	385,000	992,000	992,000			
SS 0036	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	1,053,000		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	446,500	377,000	212,500	400,000	1,436,000	1,436,000			
Total Funded Water/Sewer Utility Projects		841,000	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 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	108th 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		4,625,500
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 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		External Source
										Current Revenue	Reserve	
PK 0049	Open Space, PK Land & Trail Acq Grant Match Program		100,000		50,000	50,000	50,000	50,000	100,000	200,000	100,000	
PK 0066*	Park Play Area Enhancements			500,000					200,000	500,000		
PK 0087 100#	Waverly Beach Park Renovation								50,000	50,000		
PK 0095 200	Heritage Park - Heritage Hall Renovations		50,000						443,000	443,000		
PK 0113 100	Spinney Homestead Park Renovation		443,000				75,000		75,000	75,000		
PK 0114 101	Mark Twain Park Renovation (Design)								515,000	515,000		
PK 0115*	Terrace Park Renovation		75,000	440,000					150,000	150,000		
PK 0116 100	Lee Johnson Field Lighting Replacements								1,207,000	1,207,000		
PK 0119*	Juanita Beach Park Development Phase 2	3,450,000							1,307,000	807,000		500,000
PK 0119 100#	Juanita Beach Bathhouse Replacement & Shelter								1,200,000	1,200,000		
PK 0121*	Green Kirkland Forest Restoration Program		75,000	75,000					450,000	450,000		
PK 0131**^	Park and Open Space Acquisition Program								508,000	508,000		
PK 0133 100#	Dock & Shoreline Renovations		150,000	150,000	250,000	250,000	500,000	500,000	800,000	800,000		
PK 0133 200#	City-School Playfield Partnership		475,000	375,000					1,000,000	1,000,000		
PK 0133 300#	Neighborhood Park Land Acquisition		100,000	100,000	800,000	750,000	750,000	500,000	2,350,000	2,350,000		
PK 0133 400#	Edith Moulton Park Renovation		75,000	100,000	637,000	660,000	660,000	712,000	1,000,000	1,000,000		
PK 0134	132nd Park Playfields Renovation								735,000	735,000		
PK 0138	Everest Park Restroom/Storage Building Replacement											
Total Funded Park Projects		3,450,000	1,543,000	1,865,000	2,012,000	2,035,000	2,058,000	2,582,000	12,095,000	11,495,000	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 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
PK 0087 101	Waverly Beach Parks Renovation (Phase 2)	1,000,000
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
PK 0119 200	Juanita Beach Park Development (Phase 3)	10,000,000
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
PK 0133 500	Lee Johnson Field Synthetic Turf and Lighting	1,500,000
PK 0135	Juanita Heights Park Master Planning and Development	1,125,000
PK 0136	Kingsgate Park Master Planning and Park Development	1,150,000
PK 0137	Windsor Vista Park Master Planning and Park Development	1,150,000
PK 0139	Highlands Park Renovation	750,000
Total Unfunded Parks Projects		94,425,000

Notes

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Bold italics = New projects

Italics = Repurposed projects

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

Unfunded Repurposed Projects:

Project Number	Project Title	Total Balance
PK 0056	Forbes Lake Park Development	200,000
PK 0083	South Juanita Park Site Development	212,300
PK 0087	Waverly Beach Park Renovation	505,000
PK 0111	Skate Park	200,000
PK 0113	Spinney Homestead Park Renovation	350,000
PK 0122	Community Recreation Facility Planning	72,000
Total Unfunded Repurposed Projects		1,539,300
Total Unfunded Parks Projects:		94,425,000
Unfunded Park Projects		1,539,300
Unfunded Repurposed Projects		95,964,300
Total Unfunded Parks Projects		95,964,300

**City of Kirkland
2013-2018 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	External Source
FIRE												
PS 0067*	Dive Rescue Equipment			55,000					55,000			
PS 0071*	Self Contained Breathing Apparatus (SCBA)		741,600						741,600			
PS 0075	Portable Radios						347,000		347,000			
PS 0076	Personal Protective Equipment			518,200					518,200			
POLICE												
PS 1000	Police Equipment Replacement		160,500	26,300	87,300	219,800	124,600	42,600	661,100			
Total Funded Public Safety Projects			0	902,100	87,300	219,800	471,600	42,600	2,322,900	0	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

Notes

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**City of Kirkland
2013-2018 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			External Source
										Current Revenue	Reserve	Debt	
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	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 0200 000*	Network Security		130,000	65,000	55,000		75,000	30,000	355,000	206,000	149,000		
IT 0300 000*	Geographic Information Systems		170,000	185,000	250,000	250,000	250,000	250,000	1,355,000	878,000	477,000		
IT 0402 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		83,200		66,000				149,200	66,000			
IT 0602 000*	Standard Reporting Tool		30,000	147,600					177,600	53,100	124,500		
IT 0702 000*	Maintenance Management System Upgrade		50,000	150,000					200,000	200,000			
IT 0901 000*	Disaster Recovery System Improvement												
FACILITIES													
GG 0008*	Electrical, Energy Management & Lighting Systems		18,900	222,800	66,400	10,200	198,300	44,100	139,600		139,600		
GG 0009*	Mechanical/HVAC Systems Replacements		29,000	68,000	47,000	155,100	194,900	317,600	814,700		814,700		
GG 0010*	Painting, Ceilings, Partition & Window Replacements		41,800	122,300	170,400	34,600	141,800	142,400	730,800		730,800		
GG 0011*	Roofing, Gutter, Siding and Deck Replacements			66,400	105,800	23,300	82,000	96,500	598,200		598,200		
GG 0012*	Flooring Replacements		27,418,200	1,450,000	7,950,000				27,418,200	6,580,368	20,837,832		
GG 0013 103*	Public Safety Building Phase III		3,298,187						3,298,187				
GG 0035 100*+	City Hall Expansion		166,500						166,500				
GG 0039*	Consolidated Fire Station No 25		1,368,000						1,368,000				
Total Funded General Government Projects			33,203,900	2,823,200	9,217,300	824,000	1,509,000	1,998,300	49,575,700	3,957,200	11,614,092	30,504,408	3,500,000

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):		4,666,187	176,547	4,489,640

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Neighborhood Summary



CITY OF KIRKLAND
2013-2018 Capital Improvement Program
Projects by Neighborhood

City-wide		
Project Number	Project Title	Project Start
IT 0901 000	DISASTER RECOVERY SYSTEM IMPROVEMENTS	2007
NM 0024 000	CROSS KIRKLAND CORRIDOR TRAIL (INTERIM)	2012
IT 0602 000	STANDARD REPORTING TOOL	2013
IT 0702 000	MAINTENANCE MANAGEMENT SYSTEM REPLACEMENT	2013
NM 0024 101	CROSS KIRKLAND CORRIDOR MASTER PLAN	2013
NM 0073 000	JFK NON-MOTORIZED PROGRAM	2013
PK 0049 000	OPEN SPACE, PARK LAND & TRAIL ACQUISITION GRANT MATCH PROGRAM	2013
PK 0133 100	DOCK AND SHORELINE RENOVATIONS (PARK LEVY)	2013
PK 0133 300	NEIGHBORHOOD PARK LAND ACQUISTION (PARK LEVY)	2013
PS 0071 000	SELF-CONTAINED BREATHING APPARATUS (SCBA)	2013
SD 0081 000	NEIGHBORHOOD DRAINAGE ASSISTANCE PROGRAM (NDA)	2013
ST 0006 003	STREET MAINTENANCE AND PEDESTRIAN SAFETY PROJECT	2013
TR 0111 003	KIRKLAND INTELLIGENT TRANSPORTATION SYSTEM IMPLEMENTATION - PHASE II (TOTEM LAKE	2013
TR 0113 000	KIRKLAND CITYWIDE SAFETY AND TRAFFIC FLOW IMPROVEMENTS	2013
IT 0402 000	FINANCIAL SYSTEM REPLACEMENT	2016
PK 0133 200	CITY-SCHOOL PLAYFIELD PARTNERSHIP (PARK LEVY)	2017
PS 0075 000	PORTABLE RADIOS	2018
GG 0008 000	ELECTRICAL, ENERGY MANAGEMENT AND LIGHTING SYSTEMS	Ongoing
GG 0009 000	MECHANICAL/HVAC SYSTEMS REPLACEMENT	Ongoing
GG 0010 000	PAINTING, CEILINGS, PARTITION, WINDOW REPLACEMENT	Ongoing
GG 0011 000	ROOFING, GUTTER, SIDING AND DECK REPLACEMENTS	Ongoing
GG 0012 000	FLOORING REPLACEMENTS	Ongoing
IT 0100 000	NETWORK SERVER REPLACEMENTS	Ongoing
IT 0110 000	NETWORK INFRASTRUCTURE	Ongoing
IT 0120 000	NETWORK STORAGE	Ongoing
IT 0130 000	NETWORK PHONE SYSTEM	Ongoing
IT 0140 000	NETWORK SECURITY	Ongoing
IT 0200 000	GEOGRAPHIC INFORMATION SYSTEMS	Ongoing
IT 0300 000	FINANCE AND HR SYSTEM MODULES	Ongoing
IT 0500 000	COPIER REPLACEMENTS	Ongoing
IT 0601 000	HELP DESK SYSTEM REPLACEMENT PHASE 2	Ongoing
NM 0012 000	CROSSWALK UPGRADE PROGRAM	Ongoing
NM 0057 000	ANNUAL SIDEWALK MAINTENANCE PROGRAM	Ongoing
NM 8888 000	ANNUAL NONMOTORIZED PROGRAM	Ongoing
PK 0066 000	PARK PLAY AREA ENHANCEMENTS	Ongoing
PK 0121 000	GREEN KIRKLAND FOREST RESTORATION PROGRAM	Ongoing

CITY OF KIRKLAND
2013-2018 Capital Improvement Program
Projects by Neighborhood

PK 0131 000	PARK AND OPEN SPACE ACQUISITION PROGRAM	Ongoing
PS 0067 000	DIVE RESCUE EQUIPMENT REPLACEMENT	Ongoing
PS 0076 000	Personal Protective Equipment (PPE)	Ongoing
PS 1000 000	POLICE EQUIPMENT REPLACEMENT	Ongoing
SD 0047 000	ANNUAL REPLACEMENT OF AGING /FAILING INFRASTRUCTURE	Ongoing
SD 8888 000	ANNUAL STREAMBANK STABILIZATION PROGRAM	Ongoing
SD 9999 000	ANNUAL SURFACE WATER INFRASTRUCTURE REPLACEMENT PROGRAM	Ongoing
SS 0056 000	EMERGENCY SEWER CONSTRUCTION PROGRAM	Ongoing
SS 8888 000	ANNUAL SANITARY PIPELINE REPLACEMENT PROGRAM	Ongoing
SS 9999 000	ANNUAL SANITARY PUMP STATION/SYSTEM UPGRADE PROGRAM	Ongoing
ST 0006 000	ANNUAL STREET PRESERVATION PROGRAM	Ongoing
ST 0080 000	ANNUAL STRIPING PROGRAM	Ongoing
ST 8888 000	ANNUAL CONCURRENCY STREET IMPROVEMENTS	Ongoing
ST 9999 000	REGIONAL INTER-AGENCY COORDINATION	Ongoing
TR 8888 000	ANNUAL CONCURRENCY TRAFFIC IMPROVEMENTS	Ongoing
WA 0090 000	EMERGENCY SEWER PROGRAM WATERMAIN REPLACEMENT PROGRAM	Ongoing
WA 8888 000	ANNUAL WATERMAIN REPLACEMENT PROGRAM	Ongoing
WA 9999 000	ANNUAL WATER PUMP STATION/SYSTEM UPGRADE PROGRAM	Ongoing

Everest

Project Number	Project Title	Project Start
PK 0138 000	EVEREST PARK RESTROOM/STORAGE BUILDING REPLACEMENT	2014
SS 0078 000	5TH AVENUE S SEWERMAIN REPLACEMENT	2014
WA 0139 000	6TH STREET SOUTH WATERMAIN REPLACEMENT	2015
WA 0134 000	5TH AVENUE S/8TH STREET S WATERMAIN REPLACEMENT	2017

Finn Hill

Project Number	Project Title	Project Start
GG 0039 000	CONSOLIDATED FIRE STATION NO 25	2011
SD 0076 000	NE 141ST STREET/111TH AVENUE NE CULVERT HEADWALL REPAIR	2013
SD 0077 000	GOAT HILL STORM DRAINAGE REPAIR	2014
SD 0078 000	BILLY CREEK RAVINE STABILIZATION PHASE 2	2014

Highlands

Project Number	Project Title	Project Start
PK 0113 100	SPINNEY HOMESTEAD PARK RENOVATION	2013

Kingsgate

Project Number	Project Title	Project Start
PK 0134 000	132ND SQUARE PARK PLAYFIELDS RENOVATION	2013

CITY OF KIRKLAND
2013-2018 Capital Improvement Program
Projects by Neighborhood

Lakeview

Project Number	Project Title	Project Start
SD 0048 000	COCHRAN SPRINGS / LAKE WASHINGTON BLVD CROSSING ENHANCEMENT	2012
PK 0115 000	TERRACE PARK RENOVATION	2013

Market

Project Number	Project Title	Project Start
PK 0095 200	HERITAGE PARK - HERITAGE HALL RENOVATIONS	2013
SS 0081 000	7TH / 8TH AVENUE WEST ALLEY SEWERMAIN REPLACEMENT	2013
PK 0087 100	WAVERLY BEACH PARK RENOVATION (PARK LEVY)	2014
SS 0073 000	ROSE POINT SEWER LIFT STATION REPLACEMENT	2014

Moss Bay

Project Number	Project Title	Project Start
NM 0064 001	PARK LANE PEDESTRIAN CORRIDOR ENHANCEMENTS	2013
WA 0148 000	PARK LANE WATERMAIN REPLACEMENT PROJECT	2013
PK 0116 100	LEE JOHNSON FIELD LIGHTING REPLACEMENT	2014
SS 0079 000	3RD AVENUE S / 2ND STREET S SEWERMAIN REPLACEMENT	2014
SS 0064 000	7TH AVENUE SOUTH SEWERMAIN REPLACEMENT	2016
WA 0145 000	KIRKLAND AVENUE/6TH STREET SOUTH WATERMAIN REPLACEMENT	2016

Norkirk

Project Number	Project Title	Project Start
GG 0035 100	CITY HALL RENOVATION	2012
SS 0080 000	20TH AVENUE SEWERMAIN REPLACEMENT	2018

North Juanita

Project Number	Project Title	Project Start
SD 0067 000	NE 129TH PLACE/JUANITA CREEK ROCKERY REPAIR	2012
PK 0133 400	EDITH MOULTON PARK RENOVATION (PARK LEVY)	2013
ST 0082 000	JUANITA DRIVE CORRIDOR STUDY	2013
ST 0083 000	100TH AVENUE NE CORRIDOR STUDY	2013
TR 0083 000	100TH AVENUE NE/NE 132ND STREET INTERSECTION IMPROVEMENTS	2013

North Rose Hill

Project Number	Project Title	Project Start
ST 0006 002	ANNUAL STREET PRESERVATION PROGRAM, ONE TIME PROJECT	2014
PK 0114 101	MARK TWAIN PARK RENOVATION (DESIGN)	2017

CITY OF KIRKLAND
2013-2018 Capital Improvement Program
Projects by Neighborhood

South Juanita

Project Number	Project Title	Project Start
PK 0119 000	JUANITA BEACH PARK DEVELOPMENT (PHASE 2)	2003
SD 0051 000	FORBES CREEK / KING COUNTY METRO ACCESS ROAD CULVERT ENHANCEMENT	2006
SD 0053 000	FORBES CREEK / COORS POND CHANNEL GRADE CONTROLS	2006
SD 0058 000	SURFACE WATER SEDIMENT POND RECLAMATION (PHASE II)	2012
WA 0121 000	NE 109TH STREET/106TH COURT NE WATERMAIN REPLACEMENT	2012
PK 0119 100	JUANITA BEACH PARK BATHHOUSE REPLACEMENT (PARK LEVY)	2015
WA 0102 000	104TH AVE NE WATERMAIN REPLACEMENT	2017

South Rose Hill

Project Number	Project Title	Project Start
WA 0140 000	NE 85TH STREET WATERMAIN REPLACEMENT	2012
SS 0067 000	NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE 2)	2013
WA 0116 000	NE 80TH STREET WATERMAIN REPLACEMENT (PHASE 2)	2013

Totem Lake

Project Number	Project Title	Project Start
SD 0059 000	TOTEM LAKE BOULEVARD FLOOD CONTROL MEASURES	2007
ST 0057 001	NE 120TH STREET ROADWAY EXTENSION (EAST SECTION) - PHASE II	2011
GG 0013 103	PUBLIC SAFETY BUILDING PHASE III	2012
SD 0075 000	TOTEM LAKE TWIN 42-INCH CULVERT REPLACEMENT	2012
SD 0079 000	PUBLIC SAFETY BUILDING STORMWATER TREATMENT/REUSE DEMONSTRATION PROJECT	2013

Project Modifications and Deletions Schedule



**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT MODIFICATIONS AND DELETIONS SCHEDULE**

The Project Modifications Schedule provides a brief explanation of why a project has changed from the previous CIP, in this case the Revised 2011-2016 CIP. Projects may be modified for a variety of reasons including changes in timing, increased or decreased cost estimates, changes in the scope of the project previously approved by Council, or the project moving between unfunded and funded status. Greater detail about specific projects can be found on the individual project sheets located in the Project Detail document. Project modifications that require additional funding have either been reviewed by Council already or are addressed by the annual funding allocation within the CIP.

TRANSPORTATION - Street

ST 0006 000 ANNUAL STREET PRESERVATION PROGRAM

Project description changed to reflect additional miles of asphalt street throughout the City and project cost changed to reflect available funding.

ST 0006 002 ANNUAL STREET PRESERVATION PROGRAM, ONE TIME PROJECT

Project start date changed from 2012 to 2014 for coordination with on-going and future capital improvements within the NE 85th Street corridor.

ST 0055 000 98TH AVENUE NE BRIDGE PROJECT

Title and description changed to be consistent with 2012 grant application.

ST 0057 001 NE 120TH STREET ROADWAY EXTENSION (EAST SECTION) - PHASE II

Total costs changed from \$6,402,600 to \$7,357,000 due to updated cost estimate and increased right-of-way costs.

ST 0080 000 ANNUAL STRIPING PROGRAM

Description changed and annual costs increased from \$250,000 to include all miles for collectors and arterial streets throughout the City.

ST 8888 000 ANNUAL CONCURRENCY STREET IMPROVEMENTS

An updated priority ranking of the individual projects within the description above. Project timing and costs have been updated. Total project cost changed from \$4,050,000 to \$2,029,900, which reflects available remaining funds after funded projects are identified.

ST 9999 000 REGIONAL INTER-AGENCY COORDINATION

Project costs changed from \$240,000 to \$492,000 to reflect expected costs.

TRANSPORTATION - Non-Motorized

NM 0024 000 CROSS KIRKLAND CORRIDOR TRAIL (INTERIM)

Project moved to funded as per City Council at their August 7, 2012 meeting, with 2012 start date. Total project cost changed from \$3,000,000 in the preliminary CIP to \$3,600,000 due to updated cost estimate. Project received \$3,041,000 in grant funding. Funding for the Cross Kirkland Corridor was recommended by the Park Funding Exploratory Committee (PFEC) funded by the levy approved by voters in November 2012. Staff also continues to seek additional funding through various grant opportunities for future development of the corridor.

NM 0053 000 NE 112TH STREET SIDEWALK (NORTH SIDE)

Total project cost decreased from \$573,100 to \$424,000 due to recent development activity and an updated engineer's estimate. Project identified as potential candidate for NM 8888 - Annual Nonmotorized Program Project.

NM 0061 000 NE 104TH STREET SIDEWALK

Project total cost changed from \$1,763,500 to \$1,085,000 with updated cost estimate due to project length reduction with a portion of new sidewalk previously constructed by private development.

NM 0064 001 PARK LANE PEDESTRIAN CORRIDOR ENHANCEMENTS

Project moved from Unfunded due to receipt of \$739,000 DOE grant funding with Project start in 2013. Project total cost changed from \$1,300,000 to \$2,238,900 with updated cost estimate produced in conjunction with an application for a new State Pedestrian and Bike Safety Grant Program. The final list of recipients for the State grant will be announced on December 15, 2012.

NM 8888 000 ANNUAL NONMOTORIZED PROGRAM

An updated priority ranking of the individual projects within the description above. Project funding reflects a reduction of \$1,000,000 in 2013-16 to re-direct funding toward the purchase of the Cross-Kirkland Corridor.

TRANSPORTATION - Traffic Improvement

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT MODIFICATIONS AND DELETIONS SCHEDULE**

TR 0083 000 100TH AVENUE NE/NE 132ND STREET INTERSECTION IMPROVEMENTS
Project moved from unfunded due to funding availability. Total Project cost changed from \$2,991,000 to \$3,201,000 due to updated cost estimate. Project is on the city's concurrency list, and a viable grant candidate.

TR 8888 000 ANNUAL CONCURRENCY TRAFFIC IMPROVEMENTS
An updated priority ranking of the individual projects within the description above. Project timing and costs have been updated. Total project cost changed from \$560,000 to \$1,399,300 which reflects available remaining funds after funded projects are identified.

SURFACE WATER MANAGEMENT UTILITY - Surface Water Management Utility

SD 0045 000 CARILLON WOODS EROSION CONTROL MEASURES
Project identified as potential candidate for SD 8888 - Annual Streambank Stabilization Program Project.

SD 0046 000 REGIONAL DETENTION IN FORBES AND JUANITA CREEK BASINS
Project identified as potential candidate for SD 9999 - Annual Storm Drain Replacement Program Project.

SD 0049 000 FORBES CREEK / 108TH AVENUE NE FISH PASSAGE IMPROVEMENTS
Project identified as potential candidate for SD 9999 - Annual Storm Drain Replacement Program Project.

SD 0050 000 NE 95TH STREET / 126TH AVENUE NE FLOOD CONTROL MEASURES
Project identified as potential candidate for SD 9999 - Annual Storm Drain Replacement Program Project.

SD 0051 000 FORBES CREEK / KING COUNTY METRO ACCESS ROAD CULVERT ENHANCEMENT
Project re-start date changed from 2013 to 2017 due to State permitting challenges and timelines. Project cost changed from \$965,900 to \$1,290,900.

SD 0052 000 FORBES CREEK / SLATER AVENUE EMBANKMENT STABILIZATION
Project identified as potential candidate for SD 8888 - Annual Streambank Stabilization Program Project.

SD 0053 000 FORBES CREEK / COORS POND CHANNEL GRADE CONTROLS
Project re-start date changed from 2013 to 2018 due to State permitting issues and coordination with SD 0051. Project cost changed from \$1,227,200 to \$1,621,000

SD 0054 000 FORBES CREEK / CROSS KIRKLAND CORRIDOR FISH PASSAGE IMPROVEMENTS
Project identified as potential candidate for SD 9999 - Annual Storm Drain Replacement Program Project.

SD 0056 000 FORBES CREEK PONDS FISH PASSAGE / RIPARIAN PLANTINGS
Project identified as potential candidate for SD 8888 - Annual Streambank Stabilization Program Project.

SD 0058 000 SURFACE WATER SEDIMENT POND RECLAMATION (PHASE II)
Project phased construction year moved from 2013 to 2015 due to State permitting challenges and timelines. Project cost changed from \$832,800 to \$851,000 due to updated cost estimate.

SD 0059 000 TOTEM LAKE BOULEVARD FLOOD CONTROL MEASURES
Project cost increased from \$585,400 to \$1,936,200 due to updated cost estimate for required work efforts (sediment and vegetation removal). Project completion date moved to 2014 for coordination with SD 0075.

SD 0061 000 EVEREST PARK STREAM CHANNEL / RIPARIAN ENHANCEMENTS
Project identified as potential candidate for SD 8888 - Annual Streambank Stabilization Program Project.

SD 0062 000 STREAM FLOOD CONTROL MEASURES AT KIRKLAND POST OFFICE
Project identified as potential candidate for SD 8888 - Annual Streambank Stabilization Program Project.

SD 0063 000 EVEREST CREEK - SLATER AVENUE AT ALEXANDER STREET
Project identified as potential candidate for SD 8888 - Annual Streambank Stabilization Program Project.

SD 0067 000 NE 129TH PLACE/JUANITA CREEK ROCKERY REPAIR
Project construction year changed from 2013 to 2015 due to State permitting requirements and timelines; no change in total Project cost.

SD 8888 000 ANNUAL STREAMBANK STABILIZATION PROGRAM
An updated priority ranking of the individual projects within the description above. Project timing and costs have been updated. Total project cost changed from \$835,400 to \$1,125,000, which reflects available remaining funds after funded projects are identified.

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT MODIFICATIONS AND DELETIONS SCHEDULE**

SD 9999 000 ANNUAL SURFACE WATER INFRASTRUCTURE REPLACEMENT PROGRAM

A new Project Title to more fully encompass the nature of the planned work. An updated priority ranking of the individual projects within the description above.

WATER AND SEWER UTILITIES - Water

WA 0067 000 NORTH RESERVOIR PUMP STATION REPLACEMENT

Project identified as potential candidate for WA 9999 - Annual Water Pump Station/System Upgrade Program Project.

WA 0097 000 NE 80TH STREET WATERMAIN REPLACEMENT (PHASE 3)

Project title changed from "NE 85th Street Watermain Replacement". Project Description modified to be consistent with Comprehensive Water System Plan and overall length changed to be consistent with section of 20" mainline associated with WA 0113. Total project cost changed from \$1,201,000 to \$1,386,000 as a result of these scope changes.

WA 0102 000 104TH AVE NE WATERMAIN REPLACEMENT

Project start date changed from 2016 to 2017; total project cost increased from \$937,000 due to updated cost estimate.

WA 0103 000 NE 113TH PLACE/106TH AVENUE NE WATERMAIN REPLACEMENT

Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program Project.

WA 0113 000 116TH AVENUE NE/NE 70TH-NE 80TH ST WATERMAIN REPLACEMENT

Project moved from funded status due to implementation of the modified scope and funding needs for CWA 0116 and CWA 0140. Future years funding changed from \$2,428,000.

WA 0116 000 NE 80TH STREET WATERMAIN REPLACEMENT (PHASE 2)

Total project cost increased from \$2,314,800 based on new construction cost estimates. Project description changed for consistency with Comprehensive Plan and 545 Zone improvement needs, and for coordination with other adjacent CIP projects.

WA 0118 000 112TH AVE NE-114TH AVE NE/NE 67TH STREET-NE 68TH ST WATERMAIN REPLACEMENT

Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program Project.

WA 0120 000 111TH AVENUE WATERMAIN REPLACEMENT

Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program project.

WA 0124 000 NE 97TH STREET WATERMAIN REPLACEMENT

Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program project.

WA 0126 000 NORTH RESERVOIR OUTLET METER ADDITION

Project identified as potential candidate for WA 9999 - Annual Water Pump Station/System Upgrade Program project.

WA 0127 000 650 BOOSTER PUMP STATION

Project identified as potential candidate for WA 9999 - Annual Water Pump Station/System Upgrade Program project.

WA 0130 000 11TH PLACE WATERMAIN REPLACEMENT

Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program project.

WA 0131 000 SUPPLY STATION #1 IMPROVEMENTS

Project identified as potential candidate for WA 9999 - Annual Water Pump Station/System Upgrade Program project.

WA 0134 000 5TH AVENUE S/8TH STREET S WATERMAIN REPLACEMENT

Project moved from unfunded to funded with a start in 2018; total project cost decreased from \$1,420,000 due to modified scope and updated cost estimate.

WA 0136 000 NE 74TH STREET WATERMAIN REPLACEMENT

Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program project.

WA 0137 000 NE 73RD STREET WATERMAIN REPLACEMENT

Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program project.

WA 0139 000 6TH STREET SOUTH WATERMAIN REPLACEMENT

Project moved from unfunded to funded with a start in 2015; total project cost increased from \$584,000 due to updated cost estimate.

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT MODIFICATIONS AND DELETIONS SCHEDULE**

WA 0140 000 NE 85TH STREET WATERMAIN REPLACEMENT

Project name changed from NE 80th Street Watermain Replacement Phase 2; project moved from unfunded to funded with a start in 2012 at City Council meeting of July 17, 2012; total project costs increased from \$2,863,000 due to updated cost estimate.

WA 8888 000 ANNUAL WATERMAIN REPLACEMENT PROGRAM

An updated priority ranking of individual projects was added to the description. Project timing and costs have been updated. Total project cost changed from \$1,000,000 and reflects available remaining funds after funded projects are identified.

WA 9999 000 ANNUAL WATER PUMP STATION/SYSTEM UPGRADE PROGRAM

Project timing and costs have been updated. Total project cost changed from \$1,042,500 and reflects available remaining funds after funded projects are identified.

WATER AND SEWER UTILITIES - Sewer

SS 0062 000 NE 108TH STREET SEWERMAIN REPLACEMENT/REHABILITATION

Project identified as potential candidate for SS 8888 - Annual Sanitary Pipeline Replacement Program project.

SS 0064 000 7TH AVENUE SOUTH SEWERMAIN REPLACEMENT

Project moved from unfunded to funded; total cost changed from \$804,000 due to updated cost estimate to address known contaminated soils issues combined with the calculated start year and respective inflation factor.

SS 0067 000 NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE 2)

Project description changed for consistency and coordination with other CIP projects.

SS 0073 000 ROSE POINT SEWER LIFT STATION REPLACEMENT

Project moved from unfunded to funded; Total project costs increased from \$1,811,000 due to updated cost estimates in March 2012 and a one to two year sewer project inflationary increase for this previously unfunded project, now shown to begin in 2013.

SS 8888 000 ANNUAL SANITARY PIPELINE REPLACEMENT PROGRAM

An updated priority ranking of the individual projects within the description above. Project timing and costs have been updated. Total project cost changed from \$112,300 and reflects available remaining funds after funded projects are identified.

SS 9999 000 ANNUAL SANITARY PUMP STATION/SYSTEM UPGRADE PROGRAM

No candidate projects at this time. Project timing and costs have been updated. Total project cost changed from \$299,700 and reflects available remaining funds after funded projects are identified.

PARKS - Parks

PK 0056 000 FORBES LAKE PARK DEVELOPMENT

Project budget was \$1,058,226. Estimated uses through December 31, 2012 are \$858,226. Amount available for repurposing for acquisition of Cross Kirkland Corridor is \$200,000. The 2012 work plan includes construction of park improvements at Forbes Lake Park for \$595,547.

PK 0066 000 PARK PLAY AREA ENHANCEMENTS

Overall schedule revised to reflect no playground replacement in 2013 as originally planned due to no anticipated need within the park system. No playgrounds scheduled to be enhanced/replaced in 2014 as per original schedule.

PK 0083 000 SOUTH JUANITA PARK SITE DEVELOPMENT

Project budget was \$361,000. Estimated uses through December 31, 2012 are \$148,651. Amount available for repurposing for acquisition of Cross Kirkland Corridor is \$212,349.

PK 0087 000 WAVERLY BEACH PARK RENOVATION

Original project balance of \$745,000, project balance used to date is \$775. Planned uses in 2012 \$239,225, amount available for repurposing for Cross Kirkland Corridor is \$505,000. The 2012 work plan includes development of a park renovation plan and renovation of dock at Waverly Beach for \$239,225.

PK 0111 000 SKATE PARK

Original project balance of \$200,000, project balance used to date is \$0. Amount available for repurposing for Cross Kirkland Corridor is \$200,000.

PK 0113 000 SPINNEY HOMESTEAD PARK RENOVATION

Project budget was \$400,000. Estimated uses through December 31, 2012 are \$50,000. Amount available for repurposing for acquisition of Cross Kirkland Corridor is \$350,000. The 2012 work plan includes park design and engineering for \$50,000.

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT MODIFICATIONS AND DELETIONS SCHEDULE**

PK 0114 000 MARK TWAIN PARK RENOVATION

Design phase moved to funded category.

PK 0115 000 TERRACE PARK RENOVATION

Project funding increased due to updated cost estimate for anticipated design, project management, and construction. Scope increased to include wheelchair-accessible pathway.

PK 0119 000 JUANITA BEACH PARK DEVELOPMENT (PHASE 2)

Phase 2 project implementation moved from 2013 to 2017/2018 due to lack of State grant availability in 2013.

PK 0121 000 GREEN KIRKLAND FOREST RESTORATION PROGRAM

Project funding increased per year from \$50,000 to \$75,000 to reflect growth in program to more restoration sites.

PK 0122 000 COMMUNITY RECREATION FACILITY-SITE PLANNING

Original project balance of \$151,274, project balance used to date is \$79,295. Amount available for repurposing for Cross Kirkland Corridor is \$71,980.

PK 0124 000 SNYDER'S CORNER PARK SITE DEVELOPMENT

Project construction moved to unfunded due to lack of resources for ongoing maintenance of site.

PK 0131 000 PARK AND OPEN SPACE ACQUISITION PROGRAM

Project funding in 2013 and 2014 moved to NM 0070 for planning related to the Cross Kirkland Corridor (funding source: King County Parks Levy).

PUBLIC SAFETY - Public Safety

PS 0067 000 DIVE RESCUE EQUIPMENT REPLACEMENT

Cost changed from \$58,900 to \$55,000.

PS 0071 000 SELF-CONTAINED BREATHING APPARATUS (SCBA)

Changed project years from 2015 to 2016 to 2013 per instructions based on sinking funding. Changed base price to 741,600

GENERAL GOVERNMENT - Technology

GG 0006 130 CUSTOMER RELATIONSHIP MANAGEMENT SYSTEM

Project deleted; alternative technology solutions pursued.

GG 0006 801 PARKS WORK ORDER SYSTEM

Project deleted. Functionality will be included in funded Maintenance Management System Upgrade (IT 0702)

GG 0006 804 WIRELESS IN THE PARKS EXPANSION

Project deleted. Concept is becoming outdated due to increased wireless connectivity access provided by commercial carriers. As a result, the need for the city to provide this connectivity may be lower than it was at the time the project was conceived.

GENERAL GOVERNMENT - Facilities

GG 0008 000 ELECTRICAL, ENERGY MANAGEMENT AND LIGHTING SYSTEMS

Updated projects, project timing, and project costs for City Hall, all Fire Stations, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, the Municipal Parking Garage, and all of the structures at the Maintenance Center.

GG 0009 000 MECHANICAL/HVAC SYSTEMS REPLACEMENT

Updated projects, project timing, and project costs for City Hall, all Fire Stations, 505 Market, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, the Municipal Parking Garage, and all of the structures at the Maintenance Center. Added a sump pump replacement to Kirkland Performing Arts Center in 2018 not previously in lifecycle.

GG 0010 000 PAINTING, CEILINGS, PARTITION, WINDOW REPLACEMENT

Updated projects, project timing, and project costs for City Hall, all Fire Stations, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, the Municipal Parking Garage, and all of the structures at the Maintenance Center.

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT MODIFICATIONS AND DELETIONS SCHEDULE**

GG 0011 000 ROOFING, GUTTER, SIDING AND DECK REPLACEMENTS

Updated projects, project timing, and project costs for City Hall, all Fire Stations, 505 Market, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, the Municipal Parking Garage, and all of the structures at the Maintenance Center. Added parking lot resurfacing and repair at Fire Station 27 in 2013 and Fire Station 22 in 2016.

GG 0012 000 FLOORING REPLACEMENTS

Updated projects, project timing, and project costs for City Hall, all Fire Stations, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, and all of the structures at the Maintenance Center.

GG 0013 103 PUBLIC SAFETY BUILDING PHASE III

Design/Permitting, Construction, Internal Professional Services - Updated Project Costs and Project Timeline. Project completion extended by 3 months into 1st Quarter of 2014. \$3,190,087 originally planned in Phase II will be utilized in Phase III. Phase III total project costs updated from \$23,255,000 to \$30,716,352. Projected ongoing O&M costs added.

GG 0035 100 CITY HALL RENOVATION

Project cost increased from \$9,000,000 to \$10,000,000 and matches information presented to City Council on 2/10/2012. Project moved from unfunded to funded. Begin pre-design work in October 2012.

GG 0039 000 CONSOLIDATED FIRE STATION NO 25

Location previously noted as Big Finn Hill Park. Currently, the project is undergoing a siting analysis to determine a final location. Updated 2013 project cost to match available other funding from Fire District 41, total cost decreased from \$5.5M to \$5.23M.

GENERAL GOVERNMENT - Information Technology

IT 0100 000 NETWORK SERVER REPLACEMENTS

Project numbering convention for technology projects has changed and project costs and timing have been updated.

IT 0110 000 NETWORK INFRASTRUCTURE

Project numbering convention for technology projects has changed and project costs and timing have been updated.

IT 0120 000 NETWORK STORAGE

Project numbering convention for technology projects has changed and project costs and timing have been updated.

IT 0130 000 NETWORK PHONE SYSTEM

Project numbering convention for technology projects has changed and project costs and timing have been updated.

IT 0140 000 NETWORK SECURITY

Project numbering convention for technology projects has changed and project costs and timing have been updated.

IT 0200 000 GEOGRAPHIC INFORMATION SYSTEMS

Project numbering convention for technology projects has changed and project costs and timing have been updated.

IT 0300 000 FINANCE AND HR SYSTEM MODULES

Project costs changed to reflect current state of upgrades on software and anticipate hardware replacement needs. Project also modified for new numbering system.

IT 0402 000 FINANCIAL SYSTEM REPLACEMENT

Project numbering convention for technology projects has changed and project costs and timing have been updated. Project moved from unfunded.

IT 0601 000 HELP DESK SYSTEM REPLACEMENT PHASE 2

Project numbering convention for technology projects has changed and project costs and timing have been updated. Project moved from unfunded.

IT 0602 000 STANDARD REPORTING TOOL

Project funds for a reporting tool were previously allocated as part of the finance system upgrade. Moving to a stand alone application allows usage by several city systems, not just the finance/HR application.

IT 0702 000 MAINTENANCE MANAGEMENT SYSTEM REPLACEMENT

Project start date moved from 2012 to 2013-14 and total project cost reduced from \$250,000 to \$182,000 due to change in scope. Licensing and professional services included to integrate Parks dept. so they can leverage system to track work orders and time. Project number changed to reflect new numbering convention for technology projects.

Maintenance and
Operations Costs and FTE
Schedule



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

Maintenance and Operations Costs and FTE Schedule

Funded Projects:

Project Number	Project Title	2013	2014	2015	2016	2017	2018	2013-2018 Total	FTE
Facilities									
GG 0013 103	PUBLIC SAFETY BUILDING PHASE III	0	1,110,200	0	0	0	0	1,110,200	1.00
	Subtotal - Facilities	0	1,110,200	0	0	0	0	1,110,200	1.00
	Total Funded Projects Maintenance and Operations Costs; FTEs	0	1,110,200	0	0	0	0	1,110,200	1.00

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

Maintenance and Operations Costs and FTE Schedule

Unfunded Projects:

Project Number	Project Title	Maint. and Operations	FTE
Parks			
PK 0078 600	A.G. BELL ELEMENTARY PLAYFIELDS IMPROVEMENTS	50,000	0.50
PK 0078 800	INTERNATIONAL COMMUNITY SCHOOL PLAYFIELD IMPROVEMENTS	50,000	0.50
PK 0086 000	TOTEM LAKE NEIGHBORHOOD PARK ACQUISITION & DEVELOPMENT	50,000	0.50
PK 0095 100	HERITAGE PARK DEVELOPMENT - PHASE III AND IV	50,000	0.50
PK 0096 000	OHDE AVENUE PARK DEVELOPMENT	7,000	0.10
PK 0099 000	NORTH JUANITA (EAST) NEIGHBORHOOD PARK ACQUISITION AND DEVELOPMENT	50,000	0.50
PK 0100 000	NORTH JUANITA (WEST) NEIGHBORHOOD PARK ACQUISITION AND DEVELOPMENT	50,000	0.50
PK 0101 000	NORTH ROSE HILL NEIGHBORHOOD PARK ACQUISITION AND DEVELOPMENT (NORTH)	50,000	0.50
PK 0102 000	NORTH ROSE HILL NEIGHBORHOOD PARK ACQUISITION AND DEVELOPMENT (CENTRAL)	50,000	0.50
PK 0103 000	MARKET NEIGHBORHOOD PARK ACQUISITION AND DEVELOPMENT	50,000	0.50
PK 0108 000	MCAULIFFE PARK DEVELOPMENT	100,000	1.00
PK 0117 000	LAKE AVENUE WEST STREET END PARK ENHANCEMENTS	5,000	0.10
PK 0124 000	SNYDER'S CORNER PARK SITE DEVELOPMENT	50,000	0.33
PK 0133 200	CITY-SCHOOL PLAYFIELD PARTNERSHIP (PARK LEVY)	27,500	0.25
PK 0133 400	EDITH MOULTON PARK RENOVATION (PARK LEVY)	27,500	0.25
Subtotal - Parks		667,000	6.53
Public Safety			
PS 0068 000	LOCAL EMERGENCY AND PUBLIC COMMUNICATION AM RADIO	1,300	0.00
Subtotal - Public Safety		1,300	0.00
Information Technology			
IT 0401 000	UTILITY BILLING/CASHIERING SYSTEM REPLACEMENT	120,000	1.00
IT 0501 000	POLICE PROACTIVE UNIT NCIC HANDHELD COMPUTERS	4,500	0.00
Subtotal - Information Technology		124,500	1.00
Total Unfunded Projects Maintenance and Operations Costs; FTEs		792,800	7.53

Active Projects



City of Kirkland 2013-2018 Capital Improvement Program

TRANSPORTATION PROJECTS

Prior Activity - Projects Active as of 2012:

Project Number	Project Title	2011-12 Funding*	2011-12 Actual Expenses	Proj Balance 12/31/2012
NM0001	116th Ave NE Non-Motorized Facility	13,913	3,221	10,692
NM0024	Cross Kirkland Corridor Interim Trail	203,000	28,067	174,933
NM0034	NE 100th/Spinney Homestead Park Sidewalk	536,458	22,335	514,123
NM0042	116th Avenue Improvements	175,578	-	175,578
NM0044	116th Avenue NE Sidewalk	81,822	28,933	52,889
NM0051	Rose Hill Business District Sidewalks	2,238,689	1,619,313	619,376
NM 0059	6th Street Sidewalk	265,000	35,694	229,306
NM0064	Park Lane Pedestrian Corridor Enhancements	58,000	21,344	36,656
NM0065	Central Way Pedestrian Enhancements Ph 2	330,211	334,085	(3,874)
NM0066	12th Avenue Sidewalk	360,022	343,238	16,784
NM0067	Elementary School Walkroute Enhancement	1,104,462	948,377	156,085
NM 0068	104th Ave NE/NE 68th St Lkvw School Walk Route	374,300	293,616	80,684
NM 0069	100th Ave NE Bicycle Lanes	247,000	23,309	223,691
NM 0012	Crosswalk Upgrade Program	232,500	192,109	40,391
NM 0057	Annual Sidewalk Maintenance Program	663,185	269,849	393,336
ST 0006	Annual Street Preservation	5,083,106	4,915,433	167,673
ST 1106 001	Annual Street Preservation One-time Capital	500,000	-	500,000
ST 1206 002	Annual Street Preservation One-time Capital	1,122,000	-	1,122,000
ST 0057 001	NE 120th Street Roadway Extension (East section)	2,867,000	405,426	2,461,574
ST 0069	NE 128th Street @ I-405 Overpass	654,775	1,676	653,099
ST 0075	NE 85th Street Undergrounding	1,120,889	1,372,655	(251,766)
ST 0076	State Street Utilities Undergrounding	12,727	-	12,727
ST 0080	Annual Striping Program	533,998	475,630	58,368
ST 8888	Annual Concurrency Projects	850,000	-	850,000
TR 0004	Signal-Kirkland Ave & 3rd Street	87,999	137,233	(49,234)
TR 0078	NE 85th/132nd NE Intersection Improvements	2,103,101	721,129	1,381,972
TR 0079	NE 85th/114th NE Intersection Improvements	1,958,201	767,829	1,190,372
TR 0080	NE 85th/124th NE Intersection Improvements	1,422,630	502,925	919,705
TR 0085	NE 68th/108th Avenue Intersection Improvements	626,306	470,966	155,340
TR 0102	Growth & Transportation Efficiency GTEC	560,491	359,574	200,917
TR 0111	Kirkland ITS Implementation Phase I	2,081,000	246,490	1,834,510
TR 0112	Downtown Pedestrian Improvements	16,000	8,861	7,139
Total		28,484,363	14,549,317	13,935,046

*Includes prior years project balance plus 2011-12 funding / Negative balances will be addressed through project revision and/or closure process

City of Kirkland 2013-2018 Capital Improvement Program

SURFACE WATER PROJECTS

Prior Activity - Projects Active as of 2012:

Project Number	Project Title	2011-12 Funding*	2011-12 Actual Expenses	Proj Balance 12/31/2012
SD 0025	NE 85th Street Detention	546,490	282	546,208
SD 0039	NE 126 Street/94th Ave NE Channel Restoration	752	-	752
SD 0047	Annual Replacement of Aging/Failing Infrastructure	400,000	332,030	67,970
SD 0048	Cochran Spr/Lk Wash Blvd	180,000	128,600	51,400
SD 0053	Forbes Creek/Coors Pond Channel Upgrade	176,503		176,503
SD 0058	Surface Water Sediment Pond Reclamation Phase II	86,249	6,514	79,735
SD 0059	Totem Lake Blvd Flood Control	510,360	350,512	159,848
SD 0065	Cochran Spr/Yarrow Pt Flood Cont	48,450	6,084	42,366
SD 0067	NE 129th Pl/Juanita Creek Rockery Repair	115,500	5,678	109,822
SD 0075	Totem Lake Twin Culvert Replacement	922,000	476,151	445,849
Total		2,986,304	1,305,851	1,680,453

*Includes prior years project balance plus 2011-12 funding

City of Kirkland 2013-2018 Capital Improvement Program

WATER/SEWER PROJECTS

Prior Activity - Projects Active as of 2012:

Project Number	Project Title	2011-12 Funding*	2011-12 Actual Expenses	Proj Balance 12/31/2012
SS 0063	NE 53rd St Sewermain Replacement	723,000	636,733	86,267
SS 0074	Sewer System Telemetry Upgrades	16,461	7,618	8,843
SS 0075	Inflow & Infiltration Reduction Program	162,916	26,023	136,893
SS 0076	NE 80th St Sewer Replacement Phase III	1,087,000	103,084	983,916
SS 0056	Emergency Sewer Construction	1,390,864	1,017,252	373,612
WA 0063	Supply Station #3 Replacement	141,000	-	141,000
WA 0093	Vulnerability Analysis	339,949	10,322	329,627
WA 0094	North Reservoir Painting	386,535	18,847	367,688
WA 0107	120th Ave NE/NE 73rd St Watermain Replacement	356,570	-	356,570
WA 0113	116th Ave NE/NE 70th-80th St WM Replacement	684,000	79,381	604,619
WA 0115	Telemetry Upgrades	21,189	1,950	19,239
WA 0121	NE 109th Ave/106th Court NE WM Replacement	215,000	46,485	168,515
WA 0140	NE 85th Street Watermain Replacement	626,000	201,260	424,740
WA 0142	Third Street Watermain Replacement	57,550	-	57,550
WA 0144	120th Ave NE Watermain Replacement	272,000	37,654	234,346
WA 0090	Emergency Sewer Replacement	50,000	-	50,000
Total		6,530,034	2,186,609	4,343,425

*Includes prior years project balance plus 2011-12 funding

City of Kirkland

2013-2018 Capital Improvement Program

PARKS PROJECTS

Prior Activity - Projects Active as of 2012:

Project Number	Project Title	2011-12 Funding*	2011-12 Actual Expenses	Proj Balance 12/31/2012	Corridor Funding**	Adjusted Balance
PK 0006	Shoreline Restoration	82,242	-	82,242		82,242
PK 0056	Forbes Lake Park Development	831,083	35,537	795,546	200,000	595,546
PK 0066	Park Play Area Enhancements	357,303	169,754	187,549		187,549
PK 0083	South Juanita Park Site Development	212,349	-	212,349	212,349	-
PK 0087	Waverly Beach Park Renovovation	744,323	98	744,225	505,000	239,225
PK 0108	McAuliffe Park Development	172,477	-	172,477		172,477
PK 0109	Juanita Bay Park Wetland Restoration	78,845	62,858	15,987		15,987
PK 0111	Skate Park	200,000	-	200,000	200,000	-
PK 0113	Spinney Homestead Park Renovation	400,000	-	400,000	350,000	50,000
PK 0119	Juanita Beach Park Development	2,961,440	2,961,440	-		-
PK 0121	Green Kirkland Program	182,607	113,220	69,387		69,387
PK 0122	Community Recreation Facility Planning	71,980	-	71,980	71,980	-
PK 0123	Peter Kirk Pool Upgrades	126,064	11,256	114,808		114,808
PK 0124	Snyder's Corner Park Site Development	75,000	-	75,000		75,000
PK 0131	Park and Open Space Acquisition	513,645	86,011	427,634		427,634
Total		7,009,358	3,440,174	3,569,184	1,539,329	1,947,613

*Includes prior years project balance plus 2011-12 funding

**Funding re-purposed for Cross Kirkland Corridor purchase (CNM 0070); Projects funding reduced/moved to unfunded--see Parks CIP Summary.

City of Kirkland 2013-2018 Capital Improvement Program

PUBLIC SAFETY PROJECTS

Prior Activity - Projects Active as of 2012:

Project Number	Project Title	2011-12 Funding*	2011-12 Actual Expenses	Proj Balance 12/31/2012
PS 0046	NK Community Center Emergency Power	21,609	-	21,609
PS 0054	Emergency Operations Center Upgrade	19,626	776	18,850
PS 0056	Disaster Supply Storage Units	56,847	17,484	39,363
PS 0057	Disaster Response Vehicle	57,726	18,036	39,690
PS 0061	Mobile Data Computers	189,042	161,442	27,600
PS 0062	Defib Unit Replacement	253,900	96,900	157,000
PS 0065	Disaster Response Portable Generators	150,000	2,053	147,947
PS 0072	Investigations Vehicle/Equipment	78,415	73,123	5,292
Total		827,165	369,814	457,351

*Includes prior years project balance plus 2011-12 funding

City of Kirkland 2013-2018 Capital Improvement Program

GENERAL GOVERNMENT PROJECTS

Technology

Prior Activity - Projects Active as of 2012:

Project Number	Project Title	2011-12 Funding*	2011-12 Actual Expenses	Proj Balance 12/31/2012
GG 0006 100	Geographic Information Systems	797,580	544,702	252,878
GG 0006 110	Records Management System	251,266	62,318	188,948
GG 0006 160	Finance and HR System Modules	544,432	109,934	434,498
GG 0006 205	Municipal Court Technology Projects	50,000	11,211	38,789
GG 0006 300	Local and Wide Area Networks	1,498,198	599,025	899,173
GG 0006 501	Permit System Replacement	420,536	234,701	185,835
GG 0006 702	Maintenance Mgt System Upgrade**	250,000		250,000
Total		3,812,012	1,561,891	2,250,121

*Includes prior years project balance plus 2011-12 funding / Approximately \$400,000 of current project balances used to fund 2013-18 CIP

**Project timing changed from 2012 to 2013 in Preliminary 2013-18 CIP

Facilities

Prior Activity - Projects Active as of 2012:

Project Number	Project Title	2011-12 Funding*	2011-12 Actual Expenses	Proj Balance 12/31/2012
GG0013	Facilities Expansion	4,315,100		4,315,100
GG 0013 102	Public Safety Building Phase II	3,526,300	1,117,476	2,408,824
GG 0013 103	Public Safety Building Phase III**	23,255,000	-	23,255,000
GG 0035 100	City Hall Expansion Phase I	166,500	-	166,500
GG 0037 001	Maintenance Center Expansion Phase 1	49,496	50,743	(1,247)
GG 0037 002	Maintenance Center Expansion Phase II	1,900,000	229,579	1,670,421
GG 0039	Consolidated Fire Station	1,400,000	37,872	1,362,128
GG 0008	Electrical, Energy Management & Lighting Systems	292,109	18,109	274,000
GG 0009	Mechanical/HVAC Systems Replacements	137,868	2,789	135,079
GG 0010	Painting, Ceilings, Partition & Window Replacements	395,917	93,131	302,786
GG 0011	Roofing, Gutter, Siding and Deck Replacements	32,135	6,698	25,437
GG 0012	Flooring Replacements	175,928	92,701	83,227
Total		35,646,353	1,649,098	33,997,255

*Includes prior years project balance plus 2011-12 funding / Negative balances will be addressed through project revision and/or closure process

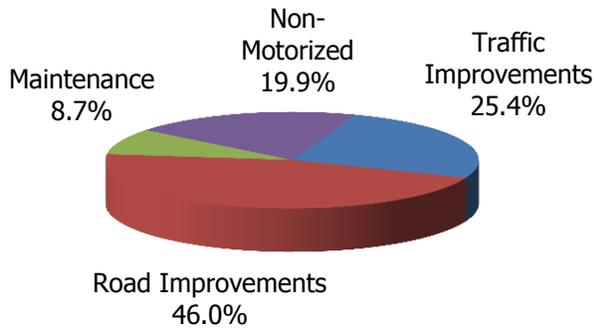
**Project timing changed from 2012 to 2012-2013 in Preliminary 2013-18 CIP

Transportation

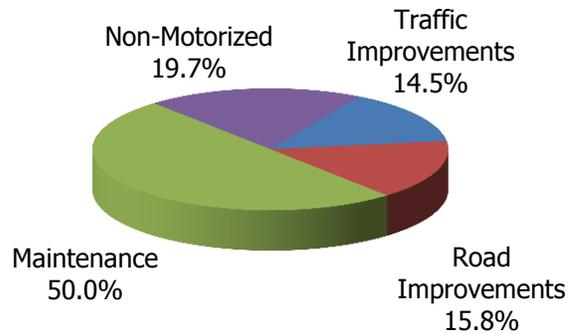
Streets, Non-Motorized and Traffic Improvements



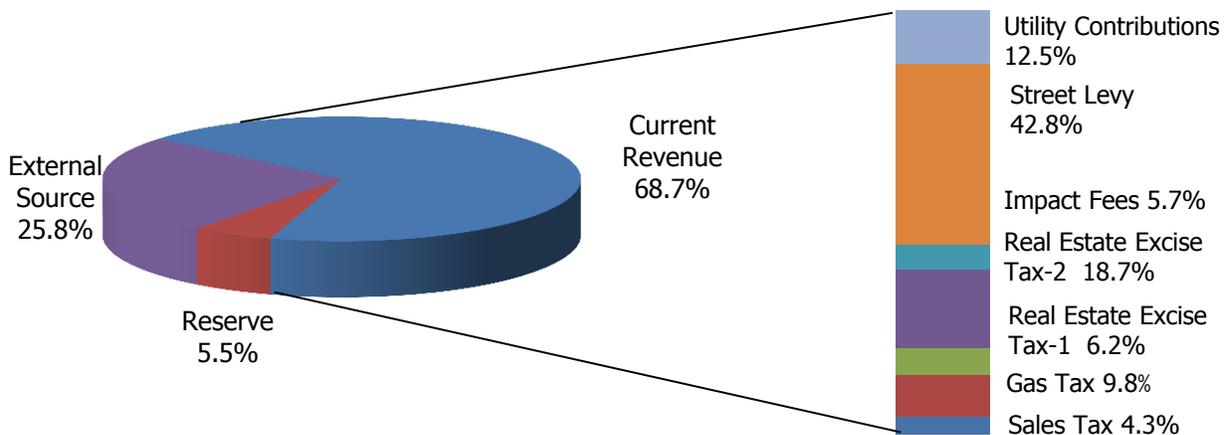
Requested - \$308,292,000



Funded - \$53,847,100



Funding Sources



Transportation Funding - \$53,847,100

Average Annual Current Revenues

- Sales Tax -- \$270,000
- Gas Tax - \$602,000
- Real Estate Excise Tax 1 - \$381,000
- Real Estate Excise Tax 2 -- \$1,155,000
- Impact Fees - \$350,000
- Surface Water Revenue - \$950,000
- Solid Waste Revenue - \$300,000
- Transportation Benefit Dist. - \$1,008,000

**City of Kirkland
2013-2018 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				1,122,000
ST 0006 002*	Annual Street Preservation Program-One-time Project		1,122,000	1,122,000					1,122,000				
ST 0006 003	Street Maintenance & Pedestrian Safety		2,345,000	2,574,000	2,600,000	2,600,000	2,600,000	2,600,000	15,319,000				1,122,000
ST 0057 001*	NE 120th Street Roadway Extension (East Section)	3,762,000	3,595,000	350,000	350,000	350,000	350,000	350,000	3,595,000		77,500		2,802,000
ST 0080*	Annual Striping Program		200,000	80,000					280,000				
ST 0082	Juanita Drive Corridor Study		50,000						50,000		50,000		
ST 8888*	Annual Concurrence Street Improvements		82,000	82,000	482,400	480,000	215,000	852,500	2,029,900		206,500		
ST 9999*	Regional Inter-Agency Coordination		70,000	82,000	82,000	82,000	82,000	82,000	492,000				
NM 0012	Crosswalk Upgrade Program		2,158,000	1,239,000	70,000	70,000	70,000	210,000	2,100,000				
NM 0024 000+	Cross Kirkland Corridor Trail (Interim)	203,000	500,000						3,397,000		327,000		
NM 0024 101+	Cross Kirkland Corridor Master Plan		500,000						500,000				3,041,000
NM 0057	Annual Sidewalk Maintenance Program		200,000	200,000	200,000	200,000	200,000	200,000	1,200,000		300,000		
NM 0064 001+	Park Lane Pedestrian Corridor Enhancements Phase II		350,000	1,888,900					2,238,900				
NM 0073	JFK Non-Motorized Program		75,000						150,000		120,000		
NM 8888*	Annual Non-Motorized Program		350,000	350,000	208,300	605,000	1,043,500	1,043,500	2,899,800		1,239,800		
TR 0083+	100th Ave NE/NE 132nd Street Intersection Improvements		302,200	2,205,500	2,501,000	543,000	381,300		3,201,000		2,200		2,501,000
TR 0111 003	Kirkland ITS Implementation Phase IIC		576,000		129,100				305,400		404,500		2,201,100
TR 0113+	Citywide Safety & Traffic Flow Improvements		302,200		475,000				302,200		230,000		300,000
TR 8888*	Annual Concurrence Traffic Improvements								1,169,300		2,957,500		
Total Funded Transportation Projects		3,965,000	12,903,200	11,916,800	8,847,800	6,610,000	6,691,300	6,878,000	53,847,100	37,003,500	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

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

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 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	1130th 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 Imprvments	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 Faci-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/1-405 Pedestrian/Bicycle Overpass	3,740,700
NM 0031	Crestwoods Park/BNSF 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	Juanita-Kingsgate Pedestrian Bridge at I-405	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/120th 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 Imprvments 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	1,189,000
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		71,863,600
Total Unfunded Transportation (ST, NM, and TR) Projects		270,273,900
Funding Available from Annual Programs for Candidate Projects		6,329,000
Net Unfunded Transportation Projects		263,944,900

* = Modification in timing and/or cost (see Project Modification Schedule for greater detail)
 + = Moved from unfunded status to funded 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 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

TRANSPORTATION - Street

ST 0006 000 ANNUAL STREET PRESERVATION PROGRAM

City-wide Preservation of roadway system with various techniques including overlay, slurry seal, crack seal and others. The Public Works Department is responsible for approximately 245 miles of asphalt streets throughout the City. The annual program ensures maintenance of this infrastructure and reduces costly repairs resulting from total road failure.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$10,500,000	\$0	\$10,500,000

ST 0006 002 ANNUAL STREET PRESERVATION PROGRAM, ONE TIME PROJECT

North Rose Hill The grind, patch, modification of wheelchair ramps and overlay of NE 85th Street (formerly SR 908) at the conclusion of intersection, roadway and other improvements associated with CIP projects NM 0051, ST 0075, TR 0078, and TR 0080. Funds became available through the Washington State Department of Transportation (WSDOT) as a result of the recent jurisdictional transfer of SR 908 from WSDOT to the City of Kirkland.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$1,122,000	\$0	\$1,122,000

ST 0006 003 STREET MAINTENANCE AND PEDESTRIAN SAFETY PROJECT

City-wide A voter approved levy funded annual project to meet City Council Goals for dependable infrastructure, balanced transportation, neighborhoods, public safety, and financial stability. Specific projects to be included consist of: 1.) Preventative street maintenance through repair and resurfacing (\$2.7 M), 2.) Pedestrian safety through enhancements to Kirkland crosswalks, the installation of new ADA ramps and the providing of various improvements addressing transit, pedestrian, bicycle and other neighborhood transportation safety issues (\$150 K), and, 3.) Project funding (\$150 K) available as City matching funds for state and federal Safe Routes to School grants.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$15,319,000	\$0	\$15,319,000

ST 0057 001 NE 120TH STREET ROADWAY EXTENSION (EAST SECTION) - PHASE II

Totem Lake Install up to 44-foot (curb to curb) roadway with planter strip and concrete sidewalk, new traffic signal at 124th Avenue NE/NE 120th Street, and signal modifications at Slater Avenue NE/NE 120th Street. This is a Phase II project to acquire right-of-way and construct the improvements as grant and/or other funds have become available.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2011	\$3,762,000	\$3,595,000	\$0	\$7,357,000

ST 0080 000 ANNUAL STRIPING PROGRAM

City-wide Annual program to maintain markings that identify travel lanes, on and off-street parking lines, and other guidance markings for auto, pedestrian, bicycle, transit and other forms of transportation needs. The program will result in the restriping of more than 40 miles of collector and arterial streets throughout the City. Funding from the Capital Improvement Program.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$2,050,000	\$0	\$2,050,000

ST 0082 000 JUANITA DRIVE CORRIDOR STUDY

North Juanita A corridor study/master plan to guide future capital improvement construction phases for Juanita Drive. The purpose of the Study is to evaluate existing conditions and recommend a prioritized set of improvements for the Juanita Drive Corridor. Goals for the corridor will be set consistent with established City goals and policies. A substantial public involvement process will be integral to the development of the Study's end product. Improvements will be focused on: bicycle and pedestrian facilities, safety, drainage, signing, marking, lighting, and geometric conditions such as hills, curves and intersections.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$280,000	\$0	\$280,000

ST 0083 000 100TH AVENUE NE CORRIDOR STUDY

North Juanita

A study to allow the City to efficiently move forward with the development of the corridor in consideration of a number of factors including: limited funding, ongoing redevelopment in the surrounding community, future anticipated growth, and other issues for a corridor.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$50,000	\$0	\$50,000

ST 8888 000 ANNUAL CONCURRENCY STREET IMPROVEMENTS

City-wide

This project provides for the construction and re-construction of City roadways to meet concurrency needs to help the City attain the 2022 level of service standards established in the Comprehensive Plan. Candidate projects under this annual program include: ST 0059 - 124th Ave NE Roadway Improvements (North Section), ST 0063 - 120th Ave NE Roadway Improvements with others as deemed appropriate.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$2,029,900	\$0	\$2,029,900

ST 9999 000 REGIONAL INTER-AGENCY COORDINATION

City-wide

Staffing requirements for the City's coordination and participation in regional projects, such as the I-405 Nickel project, SR 520, NE 116th Street at I-405, King County Transportation Department, and various Metro/Sound Transit projects and the Downtown Transit Center, etc.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$492,000	\$0	\$492,000

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

TRANSPORTATION - Non-Motorized

NM 0012 000 CROSSWALK UPGRADE PROGRAM

City-wide
Install crosswalk improvements at various locations throughout the City. Improvements will include upgrades to existing crossing facilities or construction of new facilities. This program began in 1996 and has been funded every 2 years from current revenue; in the event that other sources become available (such as grants from the Transportation Improvement Board) they will be used to supplement funding levels. Community input into the City's Comprehensive Plan and Active Transportation Plan identified the need for improved pedestrian crossing in the City's pedestrian system.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$210,000	\$0	\$210,000

NM 0024 000 CROSS KIRKLAND CORRIDOR TRAIL (INTERIM)

City-wide
Construct a multiuse recreational trail within the Kirkland segment of the Cross Kirkland Corridor right-of-way between the South Kirkland Park and Ride and Totem Lake. The compacted gravel path would be constructed generally on the existing rail bed. Existing rails will be removed to accommodate the new trail.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2012	\$203,000	\$3,397,000	\$0	\$3,600,000

NM 0024 101 CROSS KIRKLAND CORRIDOR MASTER PLAN

City-wide
The project is part of a larger effort to develop the Cross Kirkland Corridor (former BNSF corridor) as a public asset for future transportation purposes. Stretching almost the full length of the city, its physical location provides unmatched potential for connecting land uses important to Kirkland residents. Program funds will be used to develop and complete a Master Plan and Implementation Program. Development of the corridor is envisioned to include facilities for pedestrians and bicycles, and in the future, transit. Consistent with the Draft Scope of Work approved by City Council (August 7, 2012), the Master Plan will further identify and refine how the corridor should be developed and will set the stage for moving the Cross Kirkland Corridor to the next phase of development.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$500,000	\$0	\$500,000

NM 0057 000 ANNUAL SIDEWALK MAINTENANCE PROGRAM

City-wide
Preservation of sidewalk system. The Public Works Department is responsible for numerous miles of sidewalk. The annual program ensures maintenance of this infrastructure and reduces costly repairs resulting from total failure.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,200,000	\$0	\$1,200,000

NM 0064 001 PARK LANE PEDESTRIAN CORRIDOR ENHANCEMENTS

Moss Bay
Aged and failing sidewalks along this corridor due to tree roots that have impacted the sidewalk panels between Lake Street and Main Street are a continuous maintenance issue. With development of the new Downtown Transit Center on Third Street by Sound Transit and a focus on enhancements along this pedestrian connection, this project will implement a new design standards along the corridor after an extensive public process. Additionally, the existing tree canopy which is a valued commodity along this corridor will be evaluated and possible solutions to the urban trees will be developed. This is a Phase 2 Project following a Phase 1 Pre-design and temporary sidewalk repair completed in 2010.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$2,238,900	\$0	\$2,238,900

NM 0073 000 JFK NON-MOTORIZED PROGRAM

City-wide
Establishing a new neighborhoods based project for minor transportation related improvements throughout the City. The funds will be allocated by the neighborhood groups with prioritization guidance through the Active Transportation or other Plan and/or Programs. Following the prioritization, improvements will be identified for either reconstruction using City forces or through the normal contractor bidding process.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$150,000	\$0	\$150,000

NM 8888 000 ANNUAL NONMOTORIZED PROGRAM

City-wide The installation of new sidewalk, pathway and bicycle amenities for the enhancement of the City's nonmotorized system. Candidate projects under this program in priority ranking order include: NM 0043 - NE 126th St Non-Motorized Facilities, NM 0061 - NE 104th St Sidewalk, NM 0036 - NE 100th St Bikelane, NM 0032 - 93rd Ave Sidewalk, NM 0050 - NE 80th St Sidewalk, NM 0053 - NE 112th St Sidewalk, NM 0046 - 18th Ave W Sidewalk, NM 0071 - NE 132nd St Sidewalk and NM 0072 - NE 132nd St Sidewalk at Finn Hill Middle School, NM 0074 - 90th Avenue NE Sidewalk, NM 0076 - NE 140th St - Muir Elementary Walk Route Enhancement, NM 0077 - NE 140th St - Keller Elementary Walk Route Enhancement - North Side, NM 0078 - NE 140th St - Keller Elementary Walk Route Enhancement - South Side.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$2,899,800	\$0	\$2,899,800

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

TRANSPORTATION - Traffic Improvement

TR 0083 000 100TH AVENUE NE/NE 132ND STREET INTERSECTION IMPROVEMENTS

North Juanita Restripe the northbound to eastbound right-turn lane to a combination of shared through and right-turn. Construct a 250 foot northbound receiving lane on the north leg of the intersection. Extend the westbound left and right turn lanes 500 feet. This candidate project will result in improvements to allow the intersection to maintain a level of service less than the required 1.4 volume to capacity ratio. The Intersection Initiative recommends adding a southbound to westbound right-turn lane to improve capacity. This is a candidate project included as a component of the Annual Concurrency Traffic Improvements Program Project, TR 8888.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$3,201,000	\$0	\$3,201,000

TR 0111 003 KIRKLAND INTELLIGENT TRANSPORTATION SYSTEM IMPLEMENTATION - PHASE II (TOTEM LAKE U

City-wide Implementation of ITS upgrades at 15 intersections formerly on King County's network (six of which are located in the newly annexed area) to integrate them into Kirkland's Phase I ITS (presently under design) and implementation of ITS improvements at 11 signals located at NE 132nd Street and 120th Avenue - 124th Avenue NE corridors to connect these in the Phase I ITS project. Includes system engineering analysis, design, plans and specifications for the procurement and construction/installation of ITS devices such as controllers, cabinets, detection, CCTV and other related devices and for the fiber optic communication system that will allow devices to communicate to Kirkland's central traffic management facility presently under design.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$2,911,000	\$0	\$2,911,000

TR 0113 000 KIRKLAND CITYWIDE SAFETY AND TRAFFIC FLOW IMPROVEMENTS

City-wide Improvements to safety and traffic flow on Kirkland's main arterial corridors through signal timing optimization, signal interconnection enhancements and communication improvements. The optimized signal timing will include updating parameters for vehicle and pedestrian change intervals through the development of new signal timing plans for AM, PM and Noon peak periods, for up to 32 signalized intersections. The Project will also enhance signal interconnection and improve communication with the NE 124th Street ITS corridor.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$302,200	\$0	\$302,200

TR 8888 000 ANNUAL CONCURRENCY TRAFFIC IMPROVEMENTS

City-wide The construction and re-construction of City intersections to meet concurrency needs to help the City attain the 2022 level of service standards established in the Comprehensive Plan. Candidate projects under this annual program include: TR 0086 - NE 70th St/132nd Ave NE Intersection Improvements, TR 0088 - NE 85th St/120th Ave NE Intersection Improvements and TR 0091 - NE 124th St/124th Ave NE Intersection Improvements.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,399,300	\$0	\$1,399,300

Funded Transportation CIP



Project Locations

- ST 0006 002 - Annual Street Preservation Program - One Time Project
- ST 0057 001 - NE 120th St Roadway Extension (East Section) Phase II
- ST 0082 000 - Juanita Drive Master Plan
- ST 0083 000 - 100th Ave Corridor Study
- NM 0024 000 - Cross Kirkland Corridor Trail (Interim)
- NM 0024 101 - Cross Kirkland Corridor Master Plan
- NM 0064 001 - Park Lane Ped Enhancements Ph II
- TR 0083 000 - 100th Ave NE / NE 132nd St Intersection Improvements

Projects with various locations

- ST 0006 000 - Annual Street Preservation Program
- ST 0006 003 - Street Maintenance & Ped Safety
- ST 0080 000 - Annual Striping Program
- ST 8888 - Annual Concurrency Street Improvements
- ST 9999 - Regional Inter-Agency Coordination
- NM 0012 000 - Crosswalk Upgrade Program
- NM 0057 000 - Annual Sidewalk Maintenance Program
- NM 0073 000 - JFK Neighborhood Opportunity Fund
- NM 8888 - Annual Non-Motorized Program
- TR 8888 - Annual Concurrency Traffic Improvements
- TR 0111 003 - Kirkland ITS Implementation Phase IIC
- TR 0113 000 - Citywide Safety and Traffic Flow Improvements

Legend

- █ Non-Capacity Project
- █ Capacity Project
- Parks
- Schools



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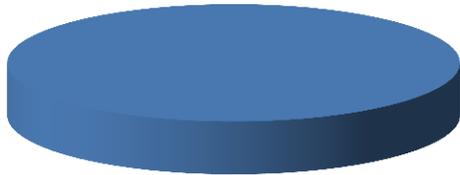
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Surface Water Management Utility



Requested - \$16,080,100



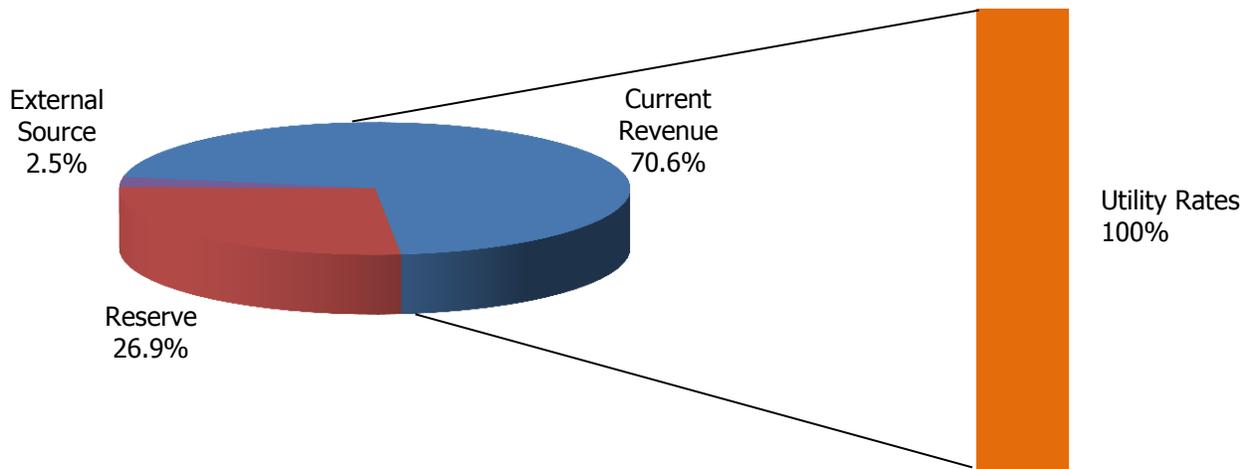
Surface Water Management
100%

Funded - \$13,502,400



Surface Water Management
100%

Funding Sources



Surface Water Management Utility Funding - \$13,502,400

Average Annual Current Revenues

Utility Rates -- \$1,588,000
Total Average Annual Revenue -- \$1,588,000

**City of Kirkland
2013-2018 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/Falling Infrastructure	180,000	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.	232,200	340,000	667,100	450,000				1,457,100	1,457,100			
SD 0051*	Forbes Creek/KC Metro Access Road Culvert Enh.	260,200					688,000	370,700	1,058,700	1,058,700			
SD 0053*	Forbes Creek/Coors Pond Channel Grade Controls	115,400						164,700	164,700	164,700			
SD 0058*	Surface Water Sediment Pond Reclamation Phase II	585,400			497,600			164,700	735,600	735,600			
SD 0059*	Totem Lake Boulevard Flood Control Measures	115,500	1,048,000						1,350,800	1,014,800			336,000
SD 0067*	NE 129th Place/Juanita Creek Rockery Repair	922,000		223,300					223,300	223,300			
SD 0075~	Totem Lake Twin 42 Inch Culvert Replacement		4,347,000						4,347,000		3,093,800		
SD 0076#	NE 141st Street/11th Avenue NE Culvert Repair		181,500						181,500		181,500		
SD 0077#	Goat Hill Storm Drainage Repair			153,700					153,700		53,100		
SD 0078#	Billy Creek Ravine Stabilization Phase II			67,400					67,400		160,000		
SD 0079	Public Safety Building Stormwater Quality Demonstration		160,000		50,000		50,000	425,000	150,000		150,000		
SD 0081	Neighborhood Drainage Assistance Program (NDA)		50,000					427,600	1,127,600				
SD 8888*	Annual Streambank Stabilization Program					350,000			1,125,000				
SD 9999*	Annual Surface Water Infrastructure Replacement Program					350,000			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

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 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

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	561,030	1,829,670

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

SURFACE WATER MANAGEMENT UTILITY - Surface Water Management Utility

SD 0047 000 ANNUAL REPLACEMENT OF AGING / FAILING INFRASTRUCTURE

City-wide The regular replacement of aging and/or failing Surface Water Utility infrastructure. The City will prioritize system improvements through the use of a video system that will investigate surface water piping. Following the prioritization, improvements will be identified for either reconstruction using City forces or through the normal contractor bidding process.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,200,000	\$0	\$1,200,000

SD 0048 000 COCHRAN SPRINGS / LAKE WASHINGTON BLVD CROSSING ENHANCEMENT

Lakeview Sedimentation deposits in the channel downstream of this culvert results in backwater conditions and sedimentation presenting an ongoing maintenance task for City crews. The backwater condition impedes the culvert's capacity to convey large peak events. Additionally, sediment deposition downstream of Lake Washington Boulevard increases the risk of overbank flooding water in the Yarrow Bay business park. Improving fish passage at the culvert will allow access to approximately 375 feet of breeding and rearing habitat. Increasing the culvert's flow capacity will reduce the risk of flooding on Lake Washington Boulevard.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2012	\$180,000	\$1,457,100	\$0	\$1,637,100

SD 0051 000 FORBES CREEK / KING COUNTY METRO ACCESS ROAD CULVERT ENHANCEMENT

South Juanita An existing 12-foot-wide bottomless arch culvert conveys Forbes Creek under a King County sewer easement access road, approximately 145 yards upstream of Forbes Creek Drive and is in need of repair. The stream is eroding under the culvert footings, a hanging outfall at the downstream end of the culvert has created a fish blockage and the gabion walls on the upstream end of the culvert are collapsing. Corrective measures include the installation of log-boulder grade controls to promote channel aggradations up to and inside the culvert, placement of aggraded gravel to protect the eroding footings, repair to the gabion wall and stabilization of the adjacent streambanks.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2006	\$232,200	\$1,058,700	\$0	\$1,290,900

SD 0053 000 FORBES CREEK / COORS POND CHANNEL GRADE CONTROLS

South Juanita Existing structures in the stream have created barriers to fish passage while channel downcutting continues. Install grade control structures, cut down height of structures and install habitat structures. These improvements will raise the channel, improve the fish passage and improve the instream habitat.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2006	\$260,200	\$164,700	\$1,196,100	\$1,621,000

SD 0058 000 SURFACE WATER SEDIMENT POND RECLAMATION (PHASE II)

South Juanita Phase I of the Sediment Pond reclamation project took place in 2004/2005. Phase II will consider flood plain development as an alternative. Project may include additional planting along Juanita Creek. Review potential for converting pond into a flood plain, improve riparian understory vegetation. Plant trees and understory shrubs on City-owned parcel downstream of NE 128th Street. Planting will provide shading for the stream, which will reduce water temperature.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2012	\$115,400	\$735,600	\$0	\$851,000

SD 0059 000 TOTEM LAKE BOULEVARD FLOOD CONTROL MEASURES

Totem Lake Totem Lake Boulevard has a history of flooding during mid to large storm events. Evaluation of the storm drainage system previously completed under this project has identified options for implementing flood control improvements. The improvements include emergency pumping and removal of sediment and vegetation along the conveyance channel. This work will reduce the frequency and magnitude of flooding on Totem Lake Boulevard.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2007	\$585,400	\$1,350,800	\$0	\$1,936,200

SD 0067 000 NE 129TH PLACE/JUANITA CREEK ROCKERY REPAIR

North Juanita

Project will evaluate the replacement and/or repair of streambank rockery damaged during the December 2007 Storm, to include the possible replacement of the culvert crossing at NE 129th Place.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2012	\$115,500	\$223,300	\$0	\$338,800

SD 0075 000 TOTEM LAKE TWIN 42-INCH CULVERT REPLACEMENT

Totem Lake

This project will replace two segments of 42-inch twin corrugated metal pipe (cmp) culverts at approximately 350 lineal feet in length for each segment (700 lineal feet total). The culverts are 40 years old and have exceeded their useful life. The pipe material has deteriorated and has failed at two locations causing sink holes. The culverts are full of sediment and cannot meet flow requirements. The twin culverts will be replaced with one large diameter culvert that will be designed to meet fish passage requirements. This project will involve acquiring a permanent maintenance easement where the culvert runs through private property and obtaining all necessary permits. This project was approved by City Council at their regular meeting of April 17, 2012.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2012	\$922,000	\$4,347,000	\$0	\$5,269,000

SD 0076 000 NE 141ST STREET/111TH AVENUE NE CULVERT HEADWALL REPAIR

Finn Hill

An existing 48" storm pipe has partially filled with sediment and the reduced flow capacity has created backwater conditions at the inlet resulting in channel aggradation, erosion and undermining of adjacent trees, with partial structural failure of the inlet headwall. Fish were observed in the downstream reach and WDFW permitting will likely be required.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$181,500	\$0	\$181,500

SD 0077 000 GOAT HILL STORM DRAINAGE REPAIR

Finn Hill

Stream channel delivers sediment to the bottom of the slope where it impacts existing drainage structures and periodically overflows onto private property during high flow events. Project will evaluate and implement the best drainage alternatives including, but not limited to a tight-line stream channel and installation of a drainage structure for ease of maintenance.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$153,700	\$0	\$153,700

SD 0078 000 BILLY CREEK RAVINE STABILIZATION PHASE 2

Finn Hill

Construct additional erosion control measures in an upper reach of Billy Creek that has experienced severe erosion from a failed drainage pipe. Phase 1 was constructed in winter of 2011/12 and completed to adjacent property where easement is required. Phase 2 will complete the original design as negotiations with property owner are completed.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$67,400	\$0	\$67,400

SD 0079 000 PUBLIC SAFETY BUILDING STORMWATER TREATMENT/REUSE DEMONSTRATION PROJECT

Totem Lake

Provide a water quality treatment component to the City of Kirkland Public Safety Building project. The City plans to renovate an existing structure for use as new Police Department, Court and Jail. The scope of work does not trigger storm water treatment permitting requirements; however, the opportunity to showcase innovative and effective ways to treat and reuse storm water is possible with this project. The project will install a 10,000 gallon cistern to collect roof water runoff for reuse as landscape irrigation, as well as providing storm filters and a rain garden for treatment of parking lot runoff.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$160,000	\$0	\$160,000

SD 0081 000 NEIGHBORHOOD DRAINAGE ASSISTANCE PROGRAM (NDA)

City-wide Design and construct small-scale flooding solution occurring outside the public right of way. Projects qualifying for assistance include those situation that are too small to rank highly in the regular Surface Water CIP, will benefit several homes or businesses while serving a general public benefit, and are primarily caused by the cumulative impacts of upstream development. Individual projects will be evaluated and those that qualify will be prioritized. Staff will produce a report each year summarizing the number type and priority of problems that qualify for NDA fixes, and a list of NDA projects completed in the previous year.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$150,000	\$0	\$150,000

SD 8888 000 ANNUAL STREAMBANK STABILIZATION PROGRAM

City-wide Goals of the streambank stabilization program are to provide the public benefits of improved water quality and decreased flooding by stabilizing and restoring stream channels which may in many cases be located on private property. Most common stabilization methods will be upstream detention and in-stream stabilization/restoration using bioengineering techniques. Candidate projects under this Annual Program include: SD 0063 - Everest Creek - Slater Ave at Alexander St, SD 0061 - Everest Park Stream Channel/Riparian Enhancements, SD 0045 - Carillon Woods Erosion Control Measures, SD 0062 - Street Flood Control Measures at Kirkland Post Office, SD 0056 - Forbes Creek Ponds Fish Passage/Riparian Plantings and SD 0052 - Forbes Creek/ Slater Ave Embankment Stabilization.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,125,000	\$0	\$1,125,000

SD 9999 000 ANNUAL SURFACE WATER INFRASTRUCTURE REPLACEMENT PROGRAM

City-wide Goals of the storm drain replacement program are to provide the public benefits of improved storm water conveyance. Individual projects will come from the prioritized list within the Surface Water Master Plan and through urgent maintenance needs as they may arise. Candidate projects under this Annual Program include: SD 0075 - Totem Lake Twin 42-Inch Culvert Replacement, SD 0046 - Regional Detention in Forbes and Juanita Basins, SD 0049 - Forbes Creek/108th Ave NE Fish Passage Improvements, SD 0050 - NE 95th St/126th Ave NE Flood Control Measures, SD 0054 - Forbes Creek/Cross Kirkland Corridor Fish Passage Improvements, SD 0076 - NE 141st Street/111th Avenue NE Culvert Headwall Repair, SD 0077 - Goat Hill Storm Drainage Repair, and SD 0078 - Billy Creek Stabilization Phase II.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,127,600	\$0	\$1,127,600

Funded Storm Water CIP

Project Locations

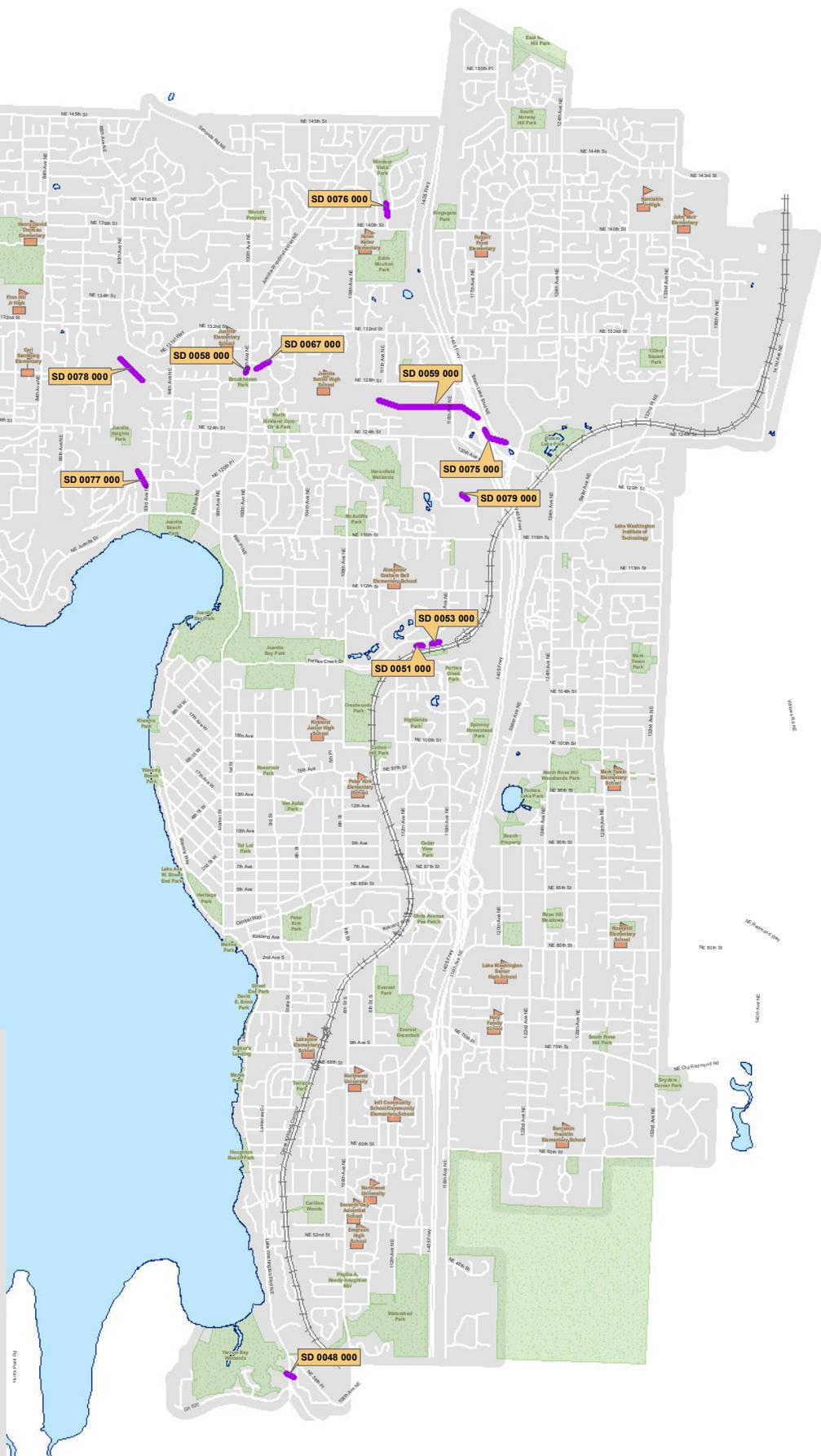
- SD 0048 000 - Cochran Springs / Lake Washington Blvd Crossing Enhancement
- SD 0051 000 - Forbes Creek / King County METRO Access Road Culvert Enhancement
- SD 0053 000 - Forbes Creek / Coors Pond Channel Grade Controls
- SD 0058 000 - Surface Water Sediment Pond Reclamation (Phase II)
- SD 0059 000 - Totem Lake Blvd Flood Control Measures
- SD 0067 000 - NE 129th Pl / Juanita Creek Rockery Repair
- SD 0075 000 - Totem Lake Twin 42-inch Culvert Replacement
- SD 0076 000 - NE 141st St / 111th Ave NE Culvert Headwall Repair
- SD 0077 000 - Goat Hill Drainage Repair
- SD 0078 000 - Billy Creek Ravine Stabilization Phase 2
- SD 0079 000 - Public Safety Bldg SW Quality Demo

Projects with various locations

- SD 0047 000 - Annual Replacement Of Aging/Failing Infrastructure (Various Locations)
- SD 0081 - Neighborhood Drainage Assistance Program (NDA)
- SD 8888 - Annual Streambank Stabilization Program (Various Locations)
- SD 9999 - Annual Storm Drain Replacement Program (Various Locations)

Legend

-  CIP Project
-  Parks
-  Schools



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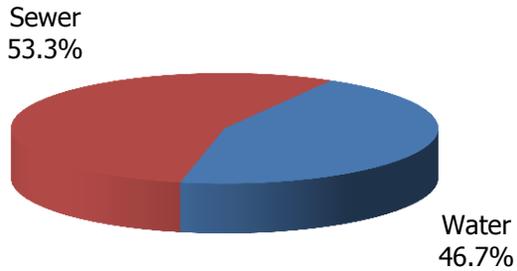
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Utilities

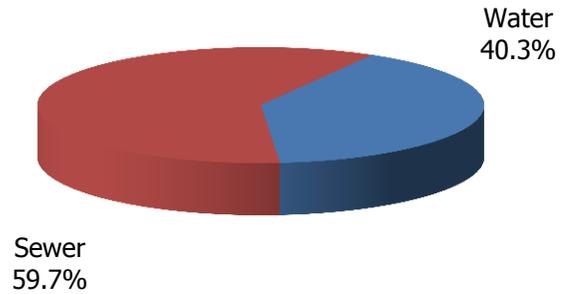
Water and Sewer



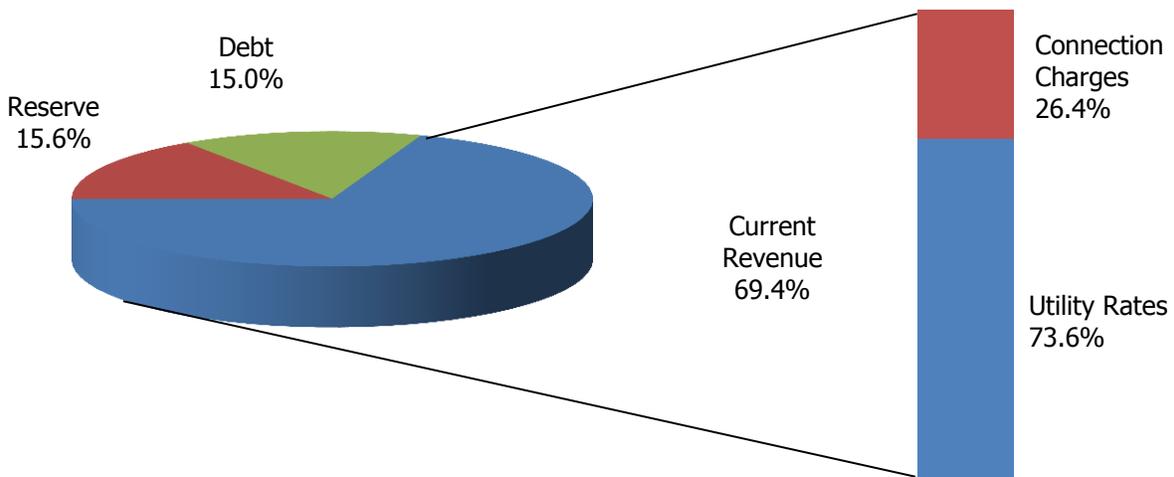
Requested - \$98,295,000



Funded - \$26,968,000



Funding Sources



Utility Funding - \$26,968,000

Average Annual Current Revenues

Utility Rates -- \$2,408,000
 Connection Charges -- \$865,000
 Total Average Annual Revenue -- \$3,273,000

**City of Kirkland
2013-2018 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*	10th Ave NE Watermain Replacement				50,000		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	625,000	2,413,000						2,413,000	2,413,000			
WA 0145	Kirkland Avenue/6th Street S Watermain Replacement		62,000	235,000		755,000			755,000	755,000			
WA 0148	Park Lane Watermain Replacement								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						385,000	385,000	992,000	992,000			
SS 0036	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	1,053,000		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					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	446,500	377,000	212,500	400,000	1,436,000	1,436,000			
Total Funded Water/Sewer Utility Projects		841,000	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 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	108th Ave NE-110th Ave NE/NE 116th St-NE 120th St Watermain Replacement	2,305,000
WA 0129	South Reservoir Recooling	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		4,625,500
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
 * = 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 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 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

WATER AND SEWER UTILITIES - Water

WA 0090 000 EMERGENCY SEWER PROGRAM WATERMAIN REPLACEMENT PROGRAM

City-wide The replacement of existing watermain and water system appurtenances on an as-needed basis to coincide with the biennial Emergency Sewer Program project.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$150,000	\$0	\$150,000

WA 0102 000 104TH AVE NE WATERMAIN REPLACEMENT

South Juanita Replacement of approximately 1,600 linear feet of 4-inch AC line with new 8-inch ductile iron pipe on 104th Avenue NE between NE 108th Street and NE 113th Street. Cost includes half-street overlay.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2017	\$0	\$974,500	\$0	\$974,500

WA 0116 000 NE 80TH STREET WATERMAIN REPLACEMENT (PHASE 2)

South Rose Hill This Phase 2 improvement consist of replacing approximately 2,550 lineal feet of existing watermain with 20-inch ductile iron pipe on NE 80th St, from the eastern terminus of a completed (2008) Phase 1 project to 132nd Ave NE. Also includes approximate 280 feet of 8-inch water main for lateral connections, all associated fire hydrants and water services, etc. This Phase 2 improvement also includes 315 lineal feet of 20-inch, 790 lineal feet of 12-inch, and 120 lineal feet of 8-inch ductile iron pipe on NE 80th St from approximately 116th Ave NE to 270 feet east to the western terminus of the completed Phase 1 improvements. The project shares the cost of the ACP overlay with NE 80th Street Phase 2 sewer improvements under SS0067. This installation is to service the 545 gradient zone.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$2,836,400	\$0	\$2,836,400

WA 0121 000 NE 109TH STREET/106TH COURT NE WATERMAIN REPLACEMENT

South Juanita Replacement of approximately 884 linear feet of 4-inch AC line with new 8-inch ductile iron pipe along NE 109th Street, between 104th Avenue NE and beyond 106th Court NE, and on 106th Court NE from NE 109th Street to the end of the street.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2012	\$215,000	\$156,300	\$0	\$371,300

WA 0134 000 5TH AVENUE S/8TH STREET S WATERMAIN REPLACEMENT

Everest Replacement of approximately 2,170 linear feet of 6-inch AC with new 16-inch ductile iron pipe along 5th Avenue S, between 6th Street S and 8th Street S and on 8th Street S, between 5th Avenue S and Kirkland Avenue.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2017	\$0	\$850,000	\$0	\$850,000

WA 0139 000 6TH STREET SOUTH WATERMAIN REPLACEMENT

Everest Replacement of approximately 1,900 linear feet of 8" and 10" AC pipe with new 16" ductile iron pipe along 6th Street S, between 5th Avenue S and NE 68th Street.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2015	\$0	\$671,000	\$0	\$671,000

WA 0140 000 NE 85TH STREET WATERMAIN REPLACEMENT

South Rose Hill

Replacement of approximately 5,800 lineal feet of 16-inch RCCP transmission watermain with new 24-inch ductile iron pipe along NE 85th Street, from the existing PRV Vault near 114th Ave NE to 132nd Ave NE. Includes the replacement of the existing fire hydrants, existing lateral connections at the intersections of 114th, 120th, 122nd, 124th, 126th, 128th and 132nd Avenues NE.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2012	\$626,000	\$2,413,000	\$0	\$3,039,000

WA 0145 000 KIRKLAND AVENUE/6TH STREET SOUTH WATERMAIN REPLACEMENT

Moss Bay

Replacement of approximately 2,000 linear feet of 10-inch AC pipe with 1,200 linear feet of new 16-inch ductile iron pipe and 800 linear feet of new 12-inch ductile iron pipe.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2016	\$0	\$755,000	\$0	\$755,000

WA 0148 000 PARK LANE WATERMAIN REPLACEMENT PROJECT

Moss Bay

Replacement of approximately 800 linear feet of cast iron waterline with 8" ductile iron pipe. Project identified as a companion project and one to constructed only in conjunction with NM 0064 001, Park Land Pedestrian Enhancement Project, in order to minimize business impacts.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$297,000	\$0	\$297,000

WA 8888 000 ANNUAL WATERMAIN REPLACEMENT PROGRAM

City-wide

Replacement of existing watermain and water system appurtenances as required to complete the prioritized watermain projects list contained within the Water Comprehensive Plan Update. Candidate projects under this Annual Program include: WA 0103 - NE 113th Place/106th Ave NE Watermain Replacement, WA 0118 - 112th Avenue NE 114th Avenue NE Watermain Replacement, WA 0120 - 111th Avenue Watermain Replacement, WA 0124 - NE 97th Street Watermain Replacement, WA 0130 - 11th Place Watermain Replacement, WA 0136 - NE 74th Street Watermain Replacement and WA 0137 - NE 73rd Street Watermain Replacement, WA 0146 - 6th Street/Kirkland Way Watermain Replacement, WA 0147 - 106th Avenue NE Watermain Replacement.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$770,000	\$0	\$770,000

WA 9999 000 ANNUAL WATER PUMP STATION/SYSTEM UPGRADE PROGRAM

City-wide

The replacement of existing water system appurtenances as required to complete the prioritized system upgrades list contained within the Water Comprehensive Plan Update. Candidate projects under this Annual Program include: WA 0067 - North Reservoir Pump Station Replacement, WA 0126 - North Reservoir Outlet Meter Addition, WA 0127 - 650 Booster Pump Station and WA 0131 - Supply Station #1 Improvements.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$992,000	\$0	\$992,000

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

WATER AND SEWER UTILITIES - Sewer

SS 0056 000 EMERGENCY SEWER CONSTRUCTION PROGRAM

City-wide Installation of sewermain extensions to accommodate side sewer connections for properties currently served by septic systems and meeting the program's criteria. City Ordinance No. 3638 directs the need for this project.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$4,200,000	\$0	\$4,200,000

SS 0064 000 7TH AVENUE SOUTH SEWERMAIN REPLACEMENT

Moss Bay Replace up to 880 linear feet of 6-inch diameter concrete pipe with 8-inch diameter PVC pipe. The existing sewermain downstream of the former PACE chemical plant has severely corroded due to caustic chemicals that were dumped in the line. Re-development of the PACE chemical site may replace portions of this main; however, the remaining sections also need to be replaced. This is a candidate project included as a component of the Annual Sanitary Pipeline Replacement Program Project, SS 8888.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2016	\$0	\$1,646,000	\$0	\$1,646,000

SS 0067 000 NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE 2)

South Rose Hill This Phase 2 improvement consists of replacing approximately 1,670 linear feet of existing sewer main with new 12-inch PVC pipe on NE 80th Street, from the eastern terminus of a completed (2008) Phase 1 project to an existing manhole located in the center of the NE 80th Street/128th Avenue NE intersection. The new 12-inch main will be designed to be below the existing sewer main to allow existing side sewers to stay in service during construction and to allow additional slope on side sewers. The Phase 2 sewer improvements also consist of approximately 1,270 linear feet of 12-inch PVC sewer main on NE 80th Street from an existing manhole in 116th Ave NE (Adjacent to I-405 ROW) to the western terminus of the completed Phase 1 sewer improvements. The Project shares a portion of the cost of the ACP overlay with NE 80th Street Phase 2 water improvements under WA 0116.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$2,436,000	\$0	\$2,436,000

SS 0073 000 ROSE POINT SEWER LIFT STATION REPLACEMENT

Market Relocation/reconstruction of the existing lift station due to age and insufficient pumping capacity at peak flows during major storm events. The station improvements include a new wetwell/drywell layout compatible with the surrounding area, new system control, new 8-inch overflow line from the new station to adjacent top-of-the Waverly Basin manhole (if feasible), an emergency generator set (if new overflow line is not feasible) and 1,800 linear feet of 8-inch ductile iron or C900 PVC forcemain.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$2,287,400	\$0	\$2,287,400

SS 0078 000 5TH AVENUE S SEWERMAIN REPLACEMENT

Everest Replace existing 6-inch concrete sewer line with approximately 200 linear feet of 8-inch diameter PVC sewer pipe. Work extends east from the manhole at the intersection of 5th Avenue S to the terminus manhole about 120 feet west of 8th Street S. This right-of-way is unopened to vehicles but contains a pedestrian path.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$226,900	\$0	\$226,900

SS 0079 000 3RD AVENUE S / 2ND STREET S SEWERMAIN REPLACEMENT

Moss Bay Replace existing 6-inch concrete sewer line with approximately 780 linear feet of 8-inch diameter PVC sewer pipe. Work extends from 234 3rd Avenue S west to 2nd Street S and north to approximately 106 2nd Street S. This project may be a candidate for trenchless technology (pipe lining, pipe bursting, etc.).

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$1,227,000	\$0	\$1,227,000

SS 0080 000 20TH AVENUE SEWERMAIN REPLACEMENT

Norkirk

Replace existing 8-inch sewer line with approximately 365 linear feet of 8-inch diameter PVC sewer pipe. Work extends from 4th Place to 4th Street. Poor soils or trench failures have contributed to shifting sections of sewer main, creating low spots that lead to more frequent maintenance.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2018	\$0	\$812,000	\$0	\$812,000

SS 0081 000 7TH / 8TH AVENUE WEST ALLEY SEWERMAIN REPLACEMENT

Market

Replace existing 6-inch concrete sewermain with approximately 480 linear feet of 8-inch PVC sewer pipe, including three new shallow manholes. The work limits extend nearly the full length of the existing paved alley right-of-way; the project includes a new alley asphalt overlay.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$354,000	\$0	\$354,000

SS 8888 000 ANNUAL SANITARY PIPELINE REPLACEMENT PROGRAM

City-wide

Installation of sewermain replacements to improve overall system reliability and to reduce maintenance and I & I (Infiltration and Inflow) costs. Candidate projects under this Annual Program include: SS 0062 - NE 108th St Sewermain Replacement/Rehabilitation, SS 0070 - 5th Street Sewermain Replacement, SS 0069 - 1st Street Sewermain Replacement, SS 0052 - 108th Avenue NE Sewermain Replacement, and SS 0062 - NE 108th Street Sewermain Replacement/Rehabilitation.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,477,500	\$0	\$1,477,500

SS 9999 000 ANNUAL SANITARY PUMP STATION/SYSTEM UPGRADE PROGRAM

City-wide

Installation of sewer pump station upgrades to improve overall system reliability and to reduce maintenance costs.

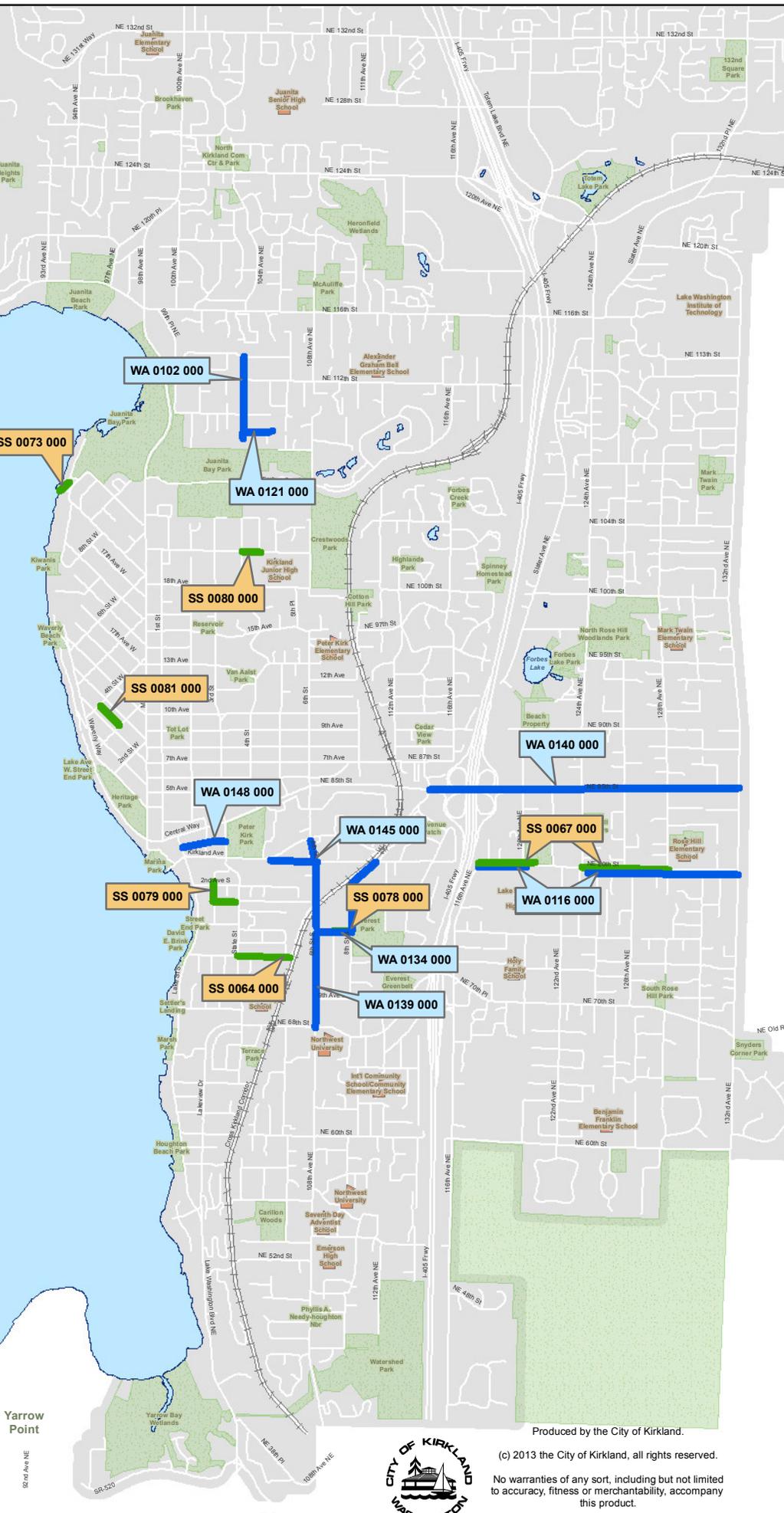
PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,436,000	\$0	\$1,436,000

Funded Water / Sewer CIP

- Project Locations**
- WA 0102 000 - 104th Ave NE Watermain Replacement
 - WA 0116 000 - 132nd Ave NE / NE 80th St Watermain Replacement
 - WA 0121 000 - NE 109th St / 106th Ct NE Watermain Replacement
 - WA 0134 000 - 5th Ave S / 8th St S Watermain Replacement
 - WA 0139 000 - 6th St S Watermain Replacement
 - WA 0140 000 - NE 85th St Watermain Rehabilitation
 - WA 0145 000 - Kirkland Ave / 6th St S Watermain Replacement
 - WA 0148 000 - Park Lane Watermain Replacement
 - SS 0064 000 - 7th Ave S Sewermain Replacement
 - SS 0067 000 - NE 80th St Sewermain Replacement (Phase II)
 - SS 0073 000 - Rose Point Sewer Lift Station Replacement
 - SS 0078 000 - 5th Ave S Sewermain Replacement
 - SS 0079 000 - 3rd Ave S / 2nd St S Sewermain Replacement
 - SS 0080 000 - 20th Ave Sewermain Replacement
 - SS 0081 000 - 7th / 8th Ave W Alley Sewermain Replacement
- Projects with various locations**
- WA 0090 000 - Emergency Sewer Program Watermain Replacement Program
 - WA 8888 ANNUAL WATERMAIN REPLACEMENT PROGRAM
 - WA 9999 ANNUAL WATER PUMP STATION/SYSTEM UPGRADE PROGRAM
 - SS 0056 000 - Emergency Sewer Construction Program
 - SS 8888 ANNUAL SANITARY PIPELINE REPLACEMENT PROGRAM
 - SS 9999 ANNUAL SANITARY PUMP STATION UPGRADE PROGRAM

Legend

- Sewer Project
- Water Project
- Parks
- Schools



Yarrow Point

Produced by the City of Kirkland.



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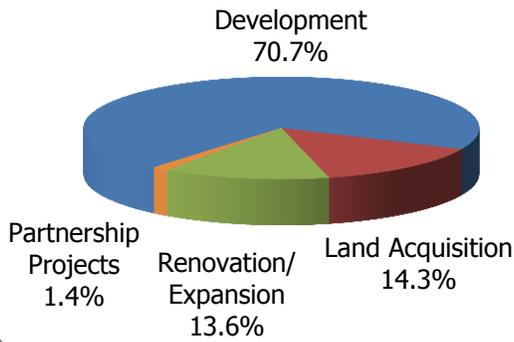
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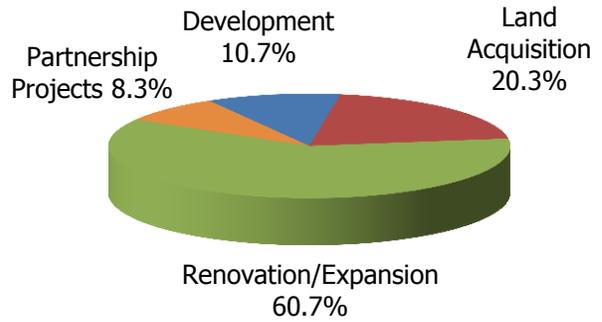
Parks



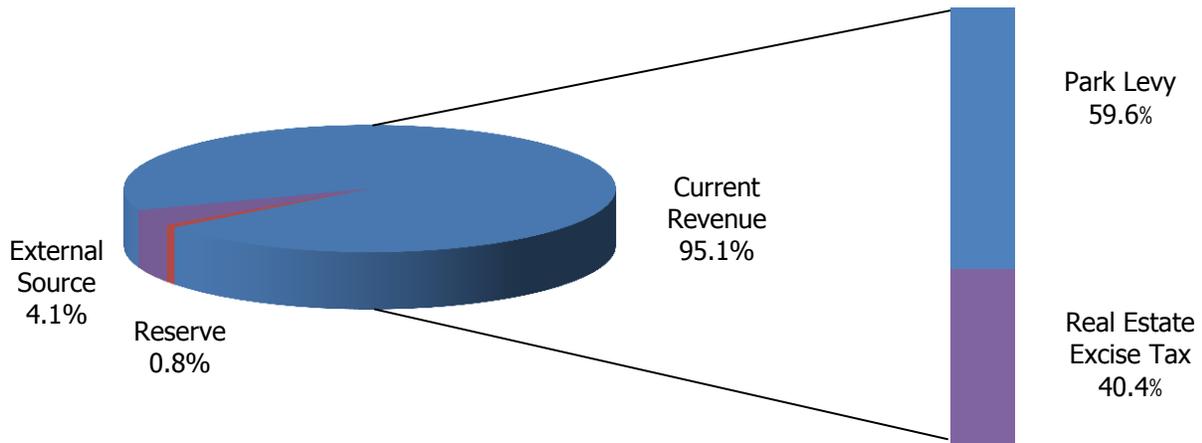
Requested - \$108,059,300



Funded - \$12,095,000



Funding Sources



Parks Funding - \$12,095,000

Average Annual Current Revenues

Park levy -- \$1,167,000
 Real Estate Excise Tax -- \$774,000
 Total Average Annual Revenue -- \$1,941,000



City of Kirkland 2013-2018 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		External Source
										Current Revenue	Reserve	
PK 0049	Open Space, PK Land & Trail Acq Grant Match Program		100,000		50,000	50,000	50,000	50,000	100,000	200,000	100,000	
PK 0066*	Park Play Area Enhancements			500,000					200,000	500,000		
PK 0087 100#	Waverly Beach Park Renovation								50,000	50,000		
PK 0095 200	Heritage Park - Heritage Hall Renovations		50,000						443,000	443,000		
PK 0113 100	Spinney Homestead Park Renovation		443,000						75,000	75,000		
PK 0114 101	Mark Twain Park Renovation (Design)						75,000		515,000	515,000		
PK 0115*	Terrace Park Renovation		75,000	440,000					150,000	150,000		
PK 0116 100	Lee Johnson Field Lighting Replacements								1,207,000	1,207,000		500,000
PK 0119*	Juanita Beach Park Development Phase 2	3,450,000							1,307,000	807,000		
PK 0119 100#	Juanita Beach Bathhouse Replacement & Shelter				200,000	1,000,000	100,000		1,200,000	1,200,000		
PK 0121*	Green Kirkland Forest Restoration Program		75,000	75,000			75,000	75,000	450,000	450,000		
PK 0131**^	Park and Open Space Acquisition Program					75,000	508,000		508,000	508,000		
PK 0133 100#	Dock & Shoreline Renovations		150,000	150,000	250,000	250,000			800,000	800,000		
PK 0133 200#	City-School Playfield Partnership		475,000	375,000			500,000	500,000	1,000,000	1,000,000		
PK 0133 300#	Neighborhood Park Land Acquisition		100,000	100,000	800,000	750,000	750,000	750,000	2,350,000	2,350,000		
PK 0133 400#	Edith Moulton Park Renovation		75,000	100,000	637,000	660,000			1,000,000	1,000,000		
PK 0134	132nd Park Playfields Renovation								712,000	712,000		
PK 0138	Everest Park Restroom/Storage Building Replacement			75,000					735,000	735,000		
Total Funded Park Projects		3,450,000	1,543,000	1,865,000	2,012,000	2,035,000	2,058,000	2,582,000	12,095,000	11,495,000	100,000	500,000

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

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 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
PK 0087 101	Waverly Beach Parks Renovation (Phase 2)	1,000,000
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
PK 0119 200	Juanita Beach Park Development (Phase 3)	10,000,000
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
PK 0133 500	Lee Johnson Field Synthetic Turf and Lighting	1,500,000
PK 0135	Juanita Heights Park Master Planning and Development	1,125,000
PK 0136	Kingsgate Park Master Planning and Park Development	1,150,000
PK 0137	Windsor Vista Park Master Planning and Park Development	1,150,000
PK 0139	Highlands Park Renovation	750,000
Total Unfunded Parks Projects		94,425,000

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

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)

Unfunded Repurposed Projects:

Project Number	Project Title	Total Balance
PK 0056	Forbes Lake Park Development	200,000
PK 0083	South Juanita Park Site Development	212,300
PK 0087	Waverly Beach Park Renovation	505,000
PK 0111	Skate Park	200,000
PK 0113	Spinney Homestead Park Renovation	350,000
PK 0122	Community Recreation Facility Planning	72,000
Total Unfunded Repurposed Projects		1,539,300
Total Unfunded Parks Projects:		94,425,000
Unfunded Park Projects		1,539,300
Unfunded Repurposed Projects		1,539,300
Total Unfunded Parks Projects		95,964,300

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

PARKS - Parks

PK 0049 000 OPEN SPACE, PARK LAND & TRAIL ACQUISITION GRANT MATCH PROGRAM

City-wide This project would establish a park and trail acquisition fund to assist with or provide funding for acquisition of key sites as they become available. Acquiring more sites would fill gaps in the City's park system, provide open space contiguous to existing parks or provide important linkages. This project allows the City to remain eligible for State-funded grant programs.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$100,000	\$0	\$100,000

PK 0066 000 PARK PLAY AREA ENHANCEMENTS

City-wide Design, purchase, and construction of new or replacement playground/play area equipment and surfacing. This project provides for the regular and on-going improvement to worn-out equipment in City parks. Parks are determined on an annual basis as funding is available and based on a safety and quality inspection of existing equipment and play areas in City parks. Preliminary schedule: 2015: Van Aalst Park; 2016: Forbes Creek Park; 2017-2018: sites to be determined based on on-going assessment and inspections of existing infrastructure.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$200,000	\$0	\$200,000

PK 0087 100 WAVERLY BEACH PARK RENOVATION (PARK LEVY)

Market Renovation of community waterfront park. Improvements may include accessibility improvements, shoreline restoration, new landscaping, drainage system, etc. Implement Low Impact Development (LID) practices as part of project. Project recommended by Park Funding Exploratory Committee (PFEC) funded by levy approved by voters in November 2012.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$500,000	\$0	\$500,000

PK 0095 200 HERITAGE PARK - HERITAGE HALL RENOVATIONS

Market Renovations to Heritage Hall to include replacement of exterior columns and replacement of flooring in main room.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$50,000	\$0	\$50,000

PK 0113 100 SPINNEY HOMESTEAD PARK RENOVATION

Highlands Renovation of neighborhood park to include accessibility and drainage improvements, pathways, fencing, and new lawn. This project is being brought forward as a new project in the Preliminary 2013-2018 CIP. The original project PK 0113 was repurposed for the acquisition of the Cross Kirkland Corridor.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$443,000	\$0	\$443,000

PK 0114 101 MARK TWAIN PARK RENOVATION (DESIGN)

North Rose Hill Renovation of neighborhood park to include drainage and accessibility improvements, parking area, and landscaping. Design only identified for funding at this time. This project being brought forward as a new project in the Preliminary 2013-2018 CIP. All phases except for design remain in the original unfunded project PK 0114.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2017	\$0	\$75,000	\$0	\$75,000

PK 0115 000 TERRACE PARK RENOVATION

Lakeview Renovation of neighborhood park to include lawn areas, fencing, landscaping, and playground.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$515,000	\$0	\$515,000

PK 0116 100 LEE JOHNSON FIELD LIGHTING REPLACEMENT

Moss Bay Replacement of field lighting with new efficient system. New system reduces light pollution to surrounding neighborhood, increases field safety and playability, and reduces energy costs.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$150,000	\$0	\$150,000

PK 0119 000 JUANITA BEACH PARK DEVELOPMENT (PHASE 2)

South Juanita Implementation of park master plan improvements. Funding for 2017/2018 targeted for second phase of improvements, which may include select improvements to the park's north side, as described in the park master plan. City funding would be utilized to match a maximum \$500,000 required grant from either State or Federal sources.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2003	\$3,450,000	\$1,307,000	\$0	\$4,757,000

PK 0119 100 JUANITA BEACH PARK BATHHOUSE REPLACEMENT (PARK LEVY)

South Juanita Replacement of existing bathhouse facility with new structure to accommodate restrooms, showers, maintenance, and non-motorized boating concession. Design and placement as specified in adopted park master plan. Site-related costs include demolition of existing structure, site restoration and landscaping, new electrical service for entire park, reconfigured pathways, and relocation of playground area. Project triggers 1% for art requirement. Project recommended by Park Funding Exploratory Committee (PFEC) to be funded by proposed voted levy to potentially be placed on the November 2012 ballot. If ballot measure passes, project will be moved to funded status.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2015	\$0	\$1,200,000	\$0	\$1,200,000

PK 0121 000 GREEN KIRKLAND FOREST RESTORATION PROGRAM

City-wide Implementation of 20-year urban forest restoration plan (which began in 2006) in City parks, including removal of invasive plants such as English Ivy and Himalayan Blackberry. Planting of new trees and native shrubs/groundcover. Parks to include, but not limited to, Watershed Park, Carillon Woods, Juanita Bay Park, Everest Park, Kiwanis Park and Crestwoods Park.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$450,000	\$0	\$450,000

PK 0131 000 PARK AND OPEN SPACE ACQUISITION PROGRAM

City-wide Funding for acquisition of land for park and open space purposes. Priority will be placed on acquisition of parcels which provide habitat and natural resource protection, as well as on desirable parcels contiguous to existing community parks.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$508,000	\$0	\$508,000

PK 0133 100 DOCK AND SHORELINE RENOVATIONS (PARK LEVY)

City-wide Dock and shoreline renovations at select waterfront parks. Conduct engineering assessment of existing dock structures. Replace decking material to see-through habitat-friendly system. Remove concrete bulkhead and replace with soft shoreline. Project locations may include: Marina Park, Marsh Park, Houghton Beach, Brink Bark. Project recommended by Park Funding Exploratory Committee (PFEC) funded by levy approved by voters in November 2012.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$800,000	\$0	\$800,000

PK 0133 200 CITY-SCHOOL PLAYFIELD PARTNERSHIP (PARK LEVY)

City-wide Development/improvements to playfields at public school sites to improve playability, safety, and aesthetics. Funding provided to supplement LWSD school modernization program as selected schools are replaced. School sites to be determined in conjunction with LWSD. Project recommended by Park Funding Exploratory Committee (PFEC) funded by levy approved by voters in November 2012.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2017	\$0	\$1,000,000	\$0	\$1,000,000

PK 0133 300 NEIGHBORHOOD PARK LAND ACQUISITION (PARK LEVY)

City-wide Acquisition of land for new neighborhood parks in areas of city where gaps in level of service of identified. Emphasis on Finn Hill and Kingsgate neighborhoods. Specific parcels to be acquired have yet to be determined. Project recommended by Park Funding Exploratory Committee (PFEC) funded by levy approved by voters in November 2012.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$2,350,000	\$0	\$2,350,000

PK 0133 400 EDITH MOULTON PARK RENOVATION (PARK LEVY)

North Juanita Develop and implement park renovation plan. Improvements may include trail enhancements, creek restoration, landscaping improvements, irrigation, and parking. Plan to developed as result of community planning process. Project recommended by Park Funding Exploratory Committee (PFEC) funded by levy approved by voters in November 2012.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$1,000,000	\$0	\$1,000,000

PK 0134 000 132ND SQUARE PARK PLAYFIELDS RENOVATION

Kingsgate Renovation of community playfields at park. Existing fields serve youth baseball/softball, soccer, and neighborhood activities. Improvements will include new drainage and irrigation systems, new infield surfacing, and new lawns. New fencing and backstops.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$712,000	\$0	\$712,000

PK 0138 000 EVEREST PARK RESTROOM/STORAGE BUILDING REPLACEMENT

Everest Replacement of existing structure with new facility. Existing structure is approximately 50 years old and is reaching the end of its useful life.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$735,000	\$0	\$735,000

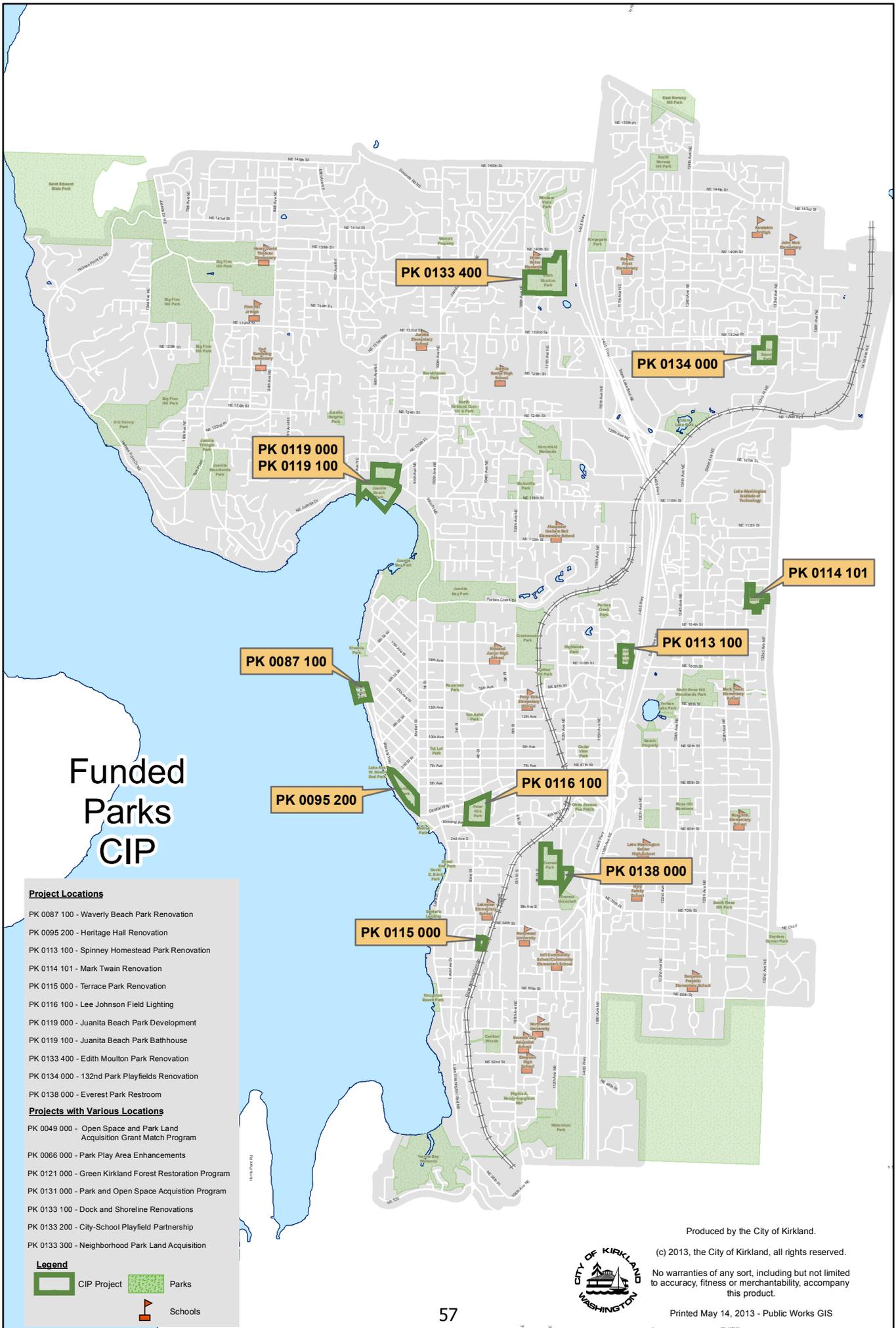
Funded Parks CIP

Project Locations

- PK 0087 100 - Waverly Beach Park Renovation
 - PK 0095 200 - Heritage Hall Renovation
 - PK 0113 100 - Spinney Homestead Park Renovation
 - PK 0114 101 - Mark Twain Renovation
 - PK 0115 000 - Terrace Park Renovation
 - PK 0116 100 - Lee Johnson Field Lighting
 - PK 0119 000 - Juanita Beach Park Development
 - PK 0119 100 - Juanita Beach Park Bathhouse
 - PK 0133 400 - Edith Moulton Park Renovation
 - PK 0134 000 - 132nd Park Playfields Renovation
 - PK 0138 000 - Everest Park Restroom
- ## Projects with Various Locations
- PK 0049 000 - Open Space and Park Land Acquisition Grant Match Program
 - PK 0066 000 - Park Play Area Enhancements
 - PK 0121 000 - Green Kirkland Forest Restoration Program
 - PK 0131 000 - Park and Open Space Acquisition Program
 - PK 0133 100 - Dock and Shoreline Renovations
 - PK 0133 200 - City-School Playfield Partnership
 - PK 0133 300 - Neighborhood Park Land Acquisition

Legend

-  CIP Project
-  Parks
-  Schools



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Public Safety



Requested - \$2,442,000



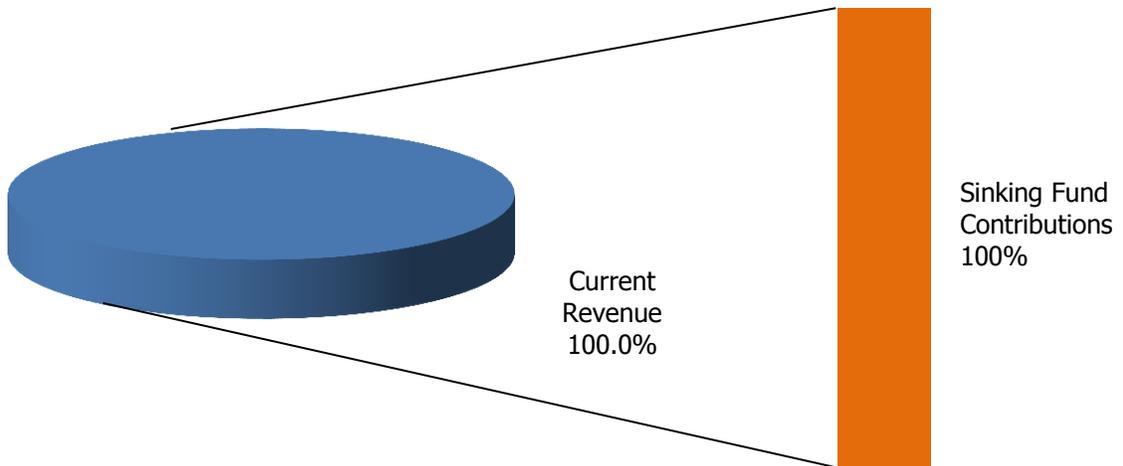
Public
Safety
100%

Funded - \$2,322,900



Public
Safety
100%

Funding Sources



Public Safety Funding - \$2,322,900

Average Annual Current Revenues

Sinking Fund Contributions -- \$667,000
Total Average Annual Revenue -- \$667,000

**City of Kirkland
2013-2018 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	External Source
FIRE												
PS 0067*	Dive Rescue Equipment			55,000					55,000			
PS 0071*	Self Contained Breathing Apparatus (SCBA)		741,600						741,600			
PS 0075	Portable Radios						347,000		347,000			
PS 0076	Personal Protective Equipment			518,200					518,200			
POLICE												
PS 1000	Police Equipment Replacement		160,500	26,300	87,300	219,800	124,600	42,600	661,100			
Total Funded Public Safety Projects			0	902,100	87,300	219,800	471,600	42,600	2,322,900	0	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

Notes

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**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

PUBLIC SAFETY - Public Safety

PS 0067 000 DIVE RESCUE EQUIPMENT REPLACEMENT

City-wide This project will replace equipment purchased in 2007 that will have reached the end of its useful life. This equipment is used for near shore, surface, dive and all water rescue operations. This replacement is to include an under-water communication system and "hydro phone" for divers.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$55,000	\$0	\$55,000

PS 0071 000 SELF-CONTAINED BREATHING APPARATUS (SCBA)

City-wide Replace self-contained breathing apparatus (SCBA) on fire department emergency response vehicles. Current SCBAs were purchased in 2003. The existing equipment has had extensive use in firefighting/training and will be nearing the end of the useful, efficient life. As the equipment becomes worn it is increasingly expensive to repair and maintain, along with new updated technology for firefighter survivability and safety being available. The project cost covers new SCBA tanks, units, extra masks, and a "buddy breathing system" for each unit.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$741,600	\$0	\$741,600

PS 0075 000 PORTABLE RADIOS

City-wide To replace portable radios at the end of their useful life. The current radios were purchased in 2011 and will need to be replaced in 2017.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2018	\$0	\$347,000	\$0	\$347,000

PS 0076 000 Personal Protective Equipment (PPE)

City-wide Scheduled replacement Fire suppression personal protective equipment (PPE)

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$518,200	\$0	\$518,200

PS 1000 000 POLICE EQUIPMENT REPLACEMENT

City-wide Planned periodic replacement of Police Department equipment, including weapons, protective equipment, breathalyzers and radar.

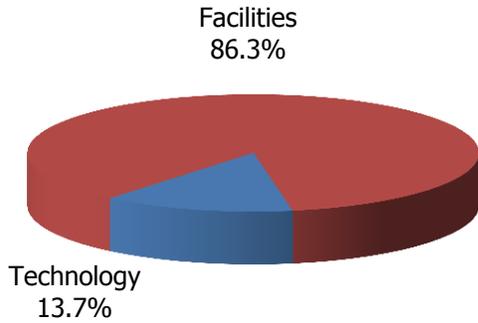
PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$661,100	\$0	\$661,100



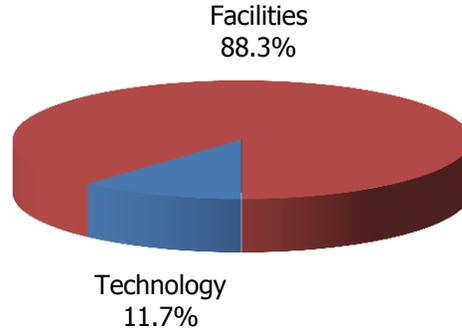
General Government



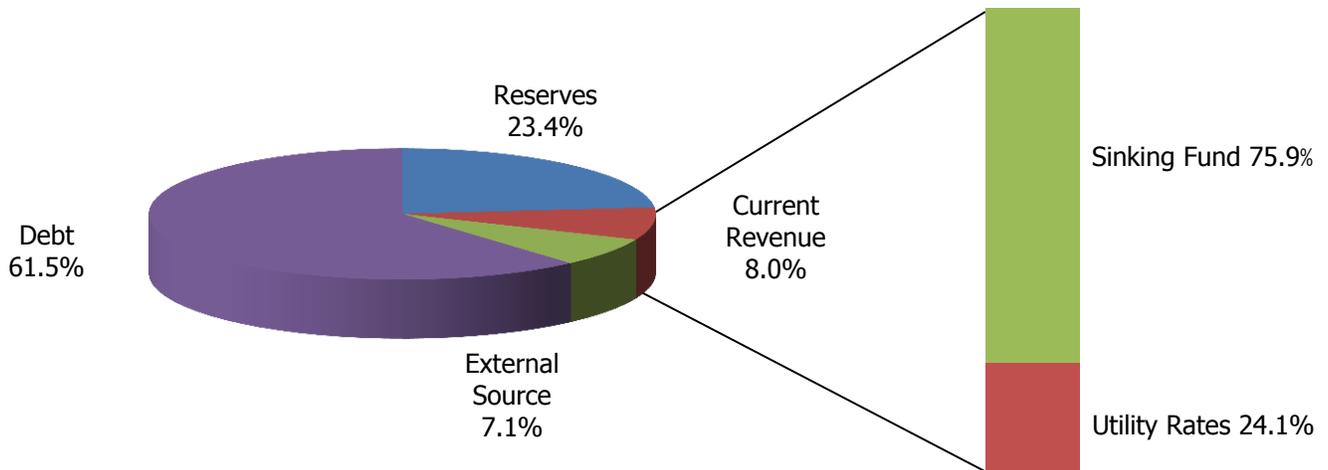
Requested - \$50,696,400



Funded - \$49,575,700



Funding Sources



General Government Funding - \$49,575,700

Average Annual Current Revenues

Sinking Fund -- \$533,000
 Utility Rates - \$159,000
 Total Average Annual Revenue -- \$692,000

**City of Kirkland
2013-2018 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			External Source
										Current Revenue	Reserve	Debt	
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	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 0200 000*	Network Security		130,000	65,000	55,000		75,000	30,000	355,000	206,000	149,000		
IT 0300 000*	Geographic Information Systems		170,000	185,000	250,000	250,000	250,000	250,000	1,355,000	878,000	477,000		
IT 0402 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		83,200		66,000				149,200	66,000			
IT 0602 000*	Standard Reporting Tool		30,000	147,600					177,600	53,100	124,500		
IT 0702 000*	Maintenance Management System Upgrade		50,000	150,000					200,000	200,000			
IT 0901 000*	Disaster Recovery System Improvement												
FACILITIES													
GG 0008*	Electrical, Energy Management & Lighting Systems		18,900	222,800	66,400	10,200	198,300	44,100	139,600		139,600		
GG 0009*	Mechanical/HVAC Systems Replacements		29,000	68,000	47,000	155,100	194,900	317,600	814,700		814,700		
GG 0010*	Painting, Ceilings, Partition & Window Replacements		41,800	122,300	170,400	34,600	141,800	142,400	730,800		730,800		
GG 0011*	Roofing, Gutter, Siding and Deck Replacements			66,400	105,800	23,300	82,000	96,500	374,000		374,000		
GG 0012*	Flooring Replacements												
GG 0013 103*	Public Safety Building Phase III		27,418,200	1,450,000	7,950,000				27,418,200	6,580,368	20,837,832		
GG 0035 100*+	City Hall Expansion		166,500						166,500		5,804,576		3,500,000
GG 0039*	Consolidated Fire Station No 25		3,862,000						3,862,000		3,862,000		
Total Funded General Government Projects			33,203,900	2,823,200	9,217,300	824,000	1,509,000	1,998,300	49,575,700	3,957,200	11,614,092	30,504,408	3,500,000

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):		4,666,187	176,547	4,489,640

Notes:
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Bold italics = New projects

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

GENERAL GOVERNMENT - Information Technology

IT 0100 000 NETWORK SERVER REPLACEMENTS

City-wide Provides for the regular replacement of network file servers that support the City's software systems, such as finance, permitting, GIS, and email. Previously included in the Local and Wide Area Networks project.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$921,400	\$0	\$921,400

IT 0110 000 NETWORK INFRASTRUCTURE

City-wide Provides for upgrades/replacements of network routers, switches, firewalls, wireless access points and other hardware security appliances (e.g. email and internet monitoring and filtering). This equipment connects City outbuildings, network servers, network storage, the phone system and staff computers to our core network, which is split between Kirkland City Hall and Bellevue City Hall. It provides secure connections to networks outside of the City's internal network. This project also funds the City's share of the capital costs associated with the Community Connectivity Consortium (city/schools/hospital fiber optic network). Previously included in the Local and Wide Area Networks project.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$390,000	\$0	\$390,000

IT 0120 000 NETWORK STORAGE

City-wide Provides for upgrades/replacements of the Storage Area Network (SAN), which stores most city data, and the network backup infrastructure. Equipment replacements/upgrades occur on a cyclical basis and funding in 2013 finishes equipment replacement that started in 2012. Handling the SAN and the backup infrastructure together will allow staff to price multiple options including off-premises (cloud) and on-premises solutions and provides more options for switching to a new and possibly better and less expensive technology family. The projects are again being grouped in the 2017/2018 time frame for the same reason. Previously included in the Local and Wide Area Networks project.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,628,900	\$0	\$1,628,900

IT 0130 000 NETWORK PHONE SYSTEM

City-wide Provides for upgrades/replacements of the City's phone system. In 2015, the City's current phone system will be due for its regularly scheduled software upgrade and hardware replacement. Phone system technology has been rapidly evolving and staff expects to replace the current system, which the City has used since 2004, at this time. It is likely that an all-software solution that integrates with our other desktop tools will be selected. The move into the new public safety building is scheduled close to this project. Timing should be evaluated to combine efforts and minimize costs.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$250,000	\$0	\$250,000

IT 0140 000 NETWORK SECURITY

City-wide Provides funding for a regularly scheduled information technology security assessment by a third party. Often the findings from these assessments will recommend additional safeguards for information technology systems. The 2013 funding in this project reflects the findings of the 2012 security assessment. Additional staff or consultant resources may be required to actually accomplish this work. The final results of the security study are due in April: these 2013 numbers are based on the draft report. This project also provides additional funds for strong authentication, also known as dual factor authentication. Strong authentication provides an extra layer of security for those wishing to remotely access the City's network and is a requirement for public safety and PCI certification. This is the second phase of a strong authentication project that is scheduled to begin in 2012. Previously included in the Local and Wide Area Networks project.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$355,000	\$0	\$355,000

IT 0200 000 GEOGRAPHIC INFORMATION SYSTEMS

City-wide GIS projects are grouped by biennium (e.g., 2013-14, 2015-16, etc.), funded by both capital project and general fund sources, and subject to oversight by a director-level GIS steering committee. The City's GIS administrator works closely with the steering committee and finance to ensure that GIS program priorities and performance are aligned with the City's work plan, City Council goals, and resource constraints. Community initiatives such as transportation, economic development, public safety, and regional collaboration are all reflected in particular GIS program tasks and products. A GIS work plan is prepared each year to help manage the enterprise-wide GIS effort, including ongoing database maintenance, special projects, technical program enhancements, and workgroup-specific support. The GIS program directly benefits at least two-thirds of City staff with an easily accessible intranet GIS browser, multiple standard products, high quality spatial data repository, training, and advanced technology tools tailored to meet identified business needs. Through regional projects like NWMAPS, GIS also benefits citizens and businesses in Kirkland directly.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,355,000	\$0	\$1,355,000

IT 0300 000 FINANCE AND HR SYSTEM MODULES

City-wide The City's core financial systems are used to help all departments manage and report on their budgets, to assist and facilitate purchasing and to perform accounts payable, payroll, and human resources functions. As policy, law, and other factors change, changes also need to be made to these systems in order to accurately and properly collect and report data and to assure adequate audit trails exist. Projects include business process improvements for core financial and HR/Payroll systems, banking interface improvements, Springbrook cashing and billing system upgrade and IFAS system upgrade to Windows/SQL platform.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$123,600	\$0	\$123,600

IT 0402 000 FINANCIAL SYSTEM REPLACEMENT

City-wide The estimated system life in current long-term systems replacement planning is ten years. Since real life often results in systems lasting a different amount than ten years, we will carefully analyze when is the correct time for replacement next time we prepare a six-year CIP. At the moment, the system and the vendor are working sufficiently to survive past the ten year mark. The high cost of replacing this system includes some contingency for backfill staff in Finance and possibly also in IT, due to the sheer volume of work related to testing and implementing a new finance system. This project should be linked with the scheduled project to replace the utility billing system since many vendors offer both Finance and utility billing systems.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2016	\$0	\$150,000	\$0	\$150,000

IT 0500 000 COPIER REPLACEMENTS

City-wide Provides for regular replacement of multi-function copiers for departments. Equipment is generally replaced after seven years, but usage, age and repair frequency determine actual replacement date.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$104,000	\$0	\$104,000

IT 0601 000 HELP DESK SYSTEM REPLACEMENT PHASE 2

City-wide The Information Technology department implemented a new service desk application in 2011. The second phase of the project is to enhance our ability to meet IT best practice standards by moving our change management process from a home-grown custom solution into the service desk application (also a recommendation of our recent security audit) and implement workflows for common approval and task processes. A workflow to lead managers/directors and HR personnel through common IT activities will benefit all parties as information will be captured up front and IT can respond to the events in a more timely manner. A workflow for security requests will standardize requests for access to folders, groups and applications. The approval can be stored in the workflow so that administrators of the folders, groups and applications do not have to print and store them separately.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$66,000	\$0	\$66,000

IT 0602 000 STANDARD REPORTING TOOL

City-wide
 The Standard Reporting Tool is designed to improve how staff access and report on data and to support better management decisions. Currently many different report writing software products are used. Standardizing with one product would develop IT and business experts on that product and enable more users in the enterprise to develop skills to create their own reports. This will provide better access to information by staff and management and allow IT to spend less time creating basic reports and be more available for complex reports. The current reporting tools require extensive training in order for an average user to be able to write their own report. Significant IT Applications time is spent training, assisting or creating reports for application users.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$83,200	\$0	\$83,200

IT 0702 000 MAINTENANCE MANAGEMENT SYSTEM REPLACEMENT

City-wide
 The Hansen maintenance management system helps manage inventory, repair history and work orders relating to public works infrastructure such as the water and sewer systems. Hansen is undergoing a major restructuring, which will change the product to more of a web-based tool. Although the system support funding pays for the actual software upgrade, this project funds services from the vendor to help implement the revised system and to train users.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$177,600	\$0	\$177,600

IT 0901 000 DISASTER RECOVERY SYSTEM IMPROVEMENTS

City-wide
 The current server room and City network infrastructure is very disaster-resistant. It is not, however, very recoverable. If there is a disaster of such magnitude that it damages the equipment at City Hall, Bellevue city hall, or makes the building unusable, the City is not effectively prepared to bring up major applications in another location and keep the business of the City running. This project will help develop a more robust and testable plan, as well as purchase needed hardware and software. This means the City would have to operate in an emergency without access to GIS, in-ground public works inventory in GIS and maintenance management, finance, the City website, email, or other critical systems. The current funding level does not complete this project but should help get the most critical systems set up to work in a disaster. An IT disaster recovery plan is also a requirement for PCI compliance.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2007	\$0	\$200,000	\$0	\$200,000

**CITY OF KIRKLAND
2013-2018 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

GENERAL GOVERNMENT - Facilities

GG 0008 000 ELECTRICAL, ENERGY MANAGEMENT AND LIGHTING SYSTEMS

City-wide The funds will cover the cost of replacing electrical, energy management and lighting systems such as: alarm panels, interior and exterior lighting, and direct digital control energy management systems at the end of their useful lives. The following buildings are included in the Life Cycle Model: City Hall, all Fire Stations, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, the Municipal Parking Garage, and all of the structures at the Maintenance Center. The life cycle is 15 years for a typical exterior or interior light fixture and 20 years for an energy management system. Any facility in this group that has one of these items scheduled to occur from 2013-2018 is included in this request.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$139,600	\$0	\$139,600

GG 0009 000 MECHANICAL/HVAC SYSTEMS REPLACEMENT

City-wide The funds requested will cover the cost of replacing mechanical systems including boilers and hot water tanks, sump pumps, and Heating Ventilation and Air Conditioning (HVAC) systems as these items reach the end of their useful lives. The following buildings are included in the Life Cycle Model: City Hall, all Fire Stations, 505 Market, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, the Municipal Parking Garage, and all of the structures at the Maintenance Center. Any facility in this group that has one of these items scheduled to occur from 2013-2018 is included in this request.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$814,700	\$0	\$814,700

GG 0010 000 PAINTING, CEILINGS, PARTITION, WINDOW REPLACEMENT

City-wide The funds will cover the cost of interior and exterior painting, parking garage striping, and window and window film replacement at City buildings as these items reach the end of their life cycle. The following buildings are included in the Life Cycle Model: City Hall, all Fire Stations, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, the Municipal Parking Garage, and all of the structures at the Maintenance Center. The current Life Cycle Model for these buildings has the interior and exterior painting occurring on a eight-year cycle, which was increased this year from a six-year cycle. Any facility in this group that has one of these items scheduled to occur from 2013-2018 is included in this request.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$730,800	\$0	\$730,800

GG 0011 000 ROOFING, GUTTER, SIDING AND DECK REPLACEMENTS

City-wide The funds will cover the cost of roofing, gutter, siding and deck replacement, and parking lot resurfacing at City buildings as these items reach the end of their life cycle. The following buildings are included in the Life Cycle Model: City Hall, all Fire Stations, 505 Market, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, the Municipal Parking Garage, and all of the structures at the Maintenance Center. The current Life Cycle Model for these buildings has the life cycle for roofing ranging from 20 to 40 years (depending on the type), and gutters and decks are scheduled for 15 years. Any facility in this group that has one of these items scheduled to occur from 2013-2018 is included in this request.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$598,200	\$0	\$598,200

GG 0012 000 FLOORING REPLACEMENTS

City-wide All of the flooring products in the City buildings will need to be replaced as they reach the end of their life cycle. The following buildings are included in the Life Cycle Model: City Hall, all Fire Stations, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, and all of the structures at the Maintenance Center. Any facility in this group that has one of these items scheduled to occur from 2013-2018 is included in this request.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$374,000	\$0	\$374,000

GG 0013 103 PUBLIC SAFETY BUILDING PHASE III

Totem Lake

The present City Hall facility, including the Public Safety portion, was originally built in 1982 and expanded in 1994. The 1994 expansion was expected to accommodate ten years of growth. The City Hall facility is now at capacity and departments were relocated to other facilities (505 Market and City Hall Annex) to relieve overcrowding in City Hall. Over the years, the City was able to acquire the properties to the south of City Hall (now rental properties) with the intent of completing a future expansion of the City Hall/Public Safety campus. When the City Council accepted the annexation of Finn Hill, North Juanita and Kingsgate neighborhoods, further studies were conducted to determine how best to provide court, police and jail services. The decision was made to purchase an existing commercial building to design and remodel to fit the needs of police and court services. Design work began in 2011 and will continue through 2012. Construction will begin in 2013.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2012	\$3,298,200	\$27,418,200	\$0	\$30,716,400

GG 0035 100 CITY HALL RENOVATION

Norkirk

The present City Hall facility, including the Public Safety portion, was originally built in 1982 and expanded in 1994. The 1994 expansion was expected to accommodate ten years of growth. The City Hall facility is now at capacity and two departments were moved to another facility (505 Market) to relieve overcrowding in City Hall. Over the years, the City was able to acquire the properties to the south of City Hall (now rental properties) with the intent of completing a future expansion of the City Hall/Public Safety campus. It is anticipated that the construction of this project would occur in 2014. After police are relocated to the new Public Safety Building, City Hall will be remodeled to accommodate departments currently in 505 Market and the City Hall Annex.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2012	\$166,500	\$9,833,500	\$0	\$10,000,000

GG 0039 000 CONSOLIDATED FIRE STATION NO 25

Finn Hill

The construction of the new fire station in Finn Hill will replace Stations 24 and 25 which currently serve that area. The consolidation will provide operational savings, while still providing acceptable response times to a larger portion of the District.

PROJECT START	Prior Year(s)	2013-2018 Total	Future Year(s)	TOTAL PROJECT
2011	\$1,368,000	\$3,862,000	\$0	\$5,230,000



City of Kirkland 2013 to 2018 Capital Improvement Program Equipment Rental Section

The Equipment Rental section includes all replacement vehicles costing \$50,000 or greater. All replacement vehicles are 100% funded by accumulated reserves in the Equipment Rental Fund. Included in this section is a summary chart listing the vehicles to be replaced over the six-year period of 2013–2018.

The vehicles planned for replacement costing \$50,000 or more are subject to the same process as the entire fleet with respect to replacement standards. In June of each year, each vehicle whose normal accounting life expires in the coming six budget years is examined to determine whether extending its service life beyond the original replacement date is a financially sound decision. Considerations include engine hours, mileage, maintenance history, structural wear, declining resale value, and future intended use of the proposed replacement vehicle. If a determination is made that a vehicle is to be replaced, “right-sizing” of the vehicle for its intended use will be conducted. A vehicle will normally be replaced in kind, and “right-sizing” often results in a lesser cost. Upgraded vehicles for specific functions may require an approved Service Package in order to cover the difference between the replaced vehicle’s Replacement Reserve account and the cost of the proposed replacement vehicle.

Savings are incurred when the operational life of vehicles can be extended beyond their normal accounting life. This is usually due to low engine hours, mileage, or major repairs that have been performed to the vehicle. The vehicles on the six-year CIP schedule are analyzed using these factors and their replacement reserve reflects anticipated normal usage. If a vehicle that has reached its normal accounting life is evaluated to have ongoing functionality, the useful life of that vehicle may be extended.

There are thirteen vehicles costing in excess of \$50,000 currently scheduled for replacement in 2013. Four of the thirteen, were extended one year beyond their normal accounting life, F-14, F-15, F-16 (2/3 yard dump trucks), and M-3B (a 16’ wide area mower) due to good condition. One of the thirteen, S06-09 (a corrections van), was extended two years beyond its normal accounting life, which was 2011, due to good condition. An additional vehicle, U-05 (a utility truck) was extended four years beyond its normal accounting life, which was 2009. The other seven vehicles, which include a Fire pumper replacement, are on schedule for the normal replacements in 2014.

There are five vehicles costing in excess of \$50,000 currently scheduled for replacement in 2014. One of the five, was extended one year beyond its normal accounting life, U-06 (a walk-in utility truck), due to the type of use. The other four vehicles are on schedule for their normal replacements in 2014.

The extension of operational use for each of these vehicles has been noted in the comments section of the attached chart.



**City of Kirkland
2013-2018 Capital Improvement Program
Vehicle Replacements Over \$50,000**

Fire & Building

Vehicle	Year / Description	Acct Life	Normal Replacement Date	Planned Replacement Year and Cost						Six Year Total Cost	Comments
				2013	2014	2015	2016	2017	2018		
F609	1995 / Seagrave Pumper	18	6/1/2013	601,955						601,955	On schedule
F213	2006 / Chevrolet Suburban Command	8	6/1/2014		74,192					74,192	On schedule
F314	2006 / Ford Road Rescue Aid Vehicle	8	6/1/2014		210,682					210,682	On schedule
F315	2006 / Ford Road Rescue Aid Vehicle	8	6/1/2014		210,682					210,682	On schedule
F316	2007 / Ford Road Rescue Aid Vehicle	8	6/1/2015			218,000				218,000	On schedule
F506	1997 / Simon-LTI Tiller Aerial Ladder	18	6/1/2015			1,163,314				1,163,314	On schedule
F216	2008 / Chevrolet Suburban Command	8	6/1/2016				84,439			84,439	On schedule
F317	2008 / Ford Road Rescue Aid Vehicle	8	6/1/2016				225,630			225,630	On schedule
F218	2009 / Ford F250 Ext. Cab. Custom	8	6/1/2017					57,716		57,716	On schedule
F610	1999 / H&W Spartan Pumper	18	6/1/2017					690,757		690,757	On schedule
F318	2010 / Ford Road Rescue Aid Vehicle	8	6/1/2018						241,700	241,700	On schedule
F219	2010 / Chevrolet Suburban Command	8	6/1/2018						90,453	90,453	On schedule
Total Fire & Building Vehicles				601,955	495,556	1,381,314	310,069	748,473		332,153	3,869,520

Parks & Community Services

Vehicle	Year / Description	Acct Life	Normal Replacement Date	Planned Replacement Year and Cost						Six Year Total Cost	Comments
				2013	2014	2015	2016	2017	2018		
F-14	2004 / Ford F450 2/3 Yard Dump Body	8	6/1/2012	55,776						55,776	Extended One Year, Good Condition
F-15	2004 / Ford F450 2/3 Yard Dump Body	8	6/1/2012	55,776						55,776	Extended One Year, Good Condition
F-16	2004 / Ford F450 2/3 Yard Dump Body	8	6/1/2012	55,776						55,776	Extended One Year, Good Condition
M-3B	2007 / Jacobsen 16" Wide Area Mower	5	6/1/2012	91,537						91,537	Extended One Year, Good Condition
M-9A	2007 / Toro Groundsmaster 4500D	5	6/1/2013	60,165						60,165	On schedule
M-10	2008 / Jacobsen 16" Wide Area Mower	5	6/1/2013	60,013						60,013	On schedule
TR-10	2003 / Ford Ballfield Tractor	10	6/1/2013	52,836						52,836	On schedule
F-20	2008 / Ford F450 2/3 Yard Dump Body	8	6/1/2015			56,599				56,599	On schedule
T-04	2007 / Aerotech Passenger Bus	10	6/1/2017					107,996		107,996	On schedule
Total Parks & Community Services Vehicles				431,879	-	56,599	-	107,996	-	-	596,474

Police

Vehicle	Year / Description	Acct Life	Normal Replacement Date	Planned Replacement Year and Cost						Six Year Total Cost	Comments
				2013	2014	2015	2016	2017	2018		
S06-09	2006 / Dodge Sprinter Corrections Van	5	6/1/2011	92,004						92,004	Extended Two Years, Good Condition
Total Police Vehicles				92,004	-	-	-	-	-	-	92,004

Public Works

Vehicle	Year / Description	Acct Life	Normal Replacement Date	Planned Replacement Year and Cost						Six Year Total Cost	Comments
				2013	2014	2015	2016	2017	2018		
U-05	2000 / Ford F450 Utility Truck	9	6/1/2009	58,563						58,563	Extended to 2013. Good condition.
D-08	2001 / International Dumptruck (10 Yard)	12	6/1/2013	171,878						171,878	On schedule
TR-07A	2003 / Case Backhoe 580SM (4x4)	10	6/1/2013	112,132						112,132	On schedule
U-07	2003 / F450 XL Utility w/Crane	10	6/1/2013	86,636						86,636	On schedule
F-17	2004 / UD Cabover Dump Body	10	6/1/2014		90,935					90,935	On schedule
U-06	2003 / F450 Walk-In Utility	10	6/1/2013		69,387					69,387	Extended to 2014, due to type of use
F-19	2008 / Ford Flat Bed F350 w/crane	8	6/1/2016				68,282			68,282	On schedule
U-08	2006 / International Bucket Truck	10	6/1/2016				227,229			227,229	On schedule
V-03	2006 / International Aquatech Educator	10	6/1/2016				385,882			385,882	On schedule
W-04	2006 / International Aquatech Educator	10	6/1/2016				385,882			385,882	On schedule
M-14	2010 / John Deere Tiger Roadside Mower	7	6/1/2017					116,971		116,971	On schedule
S-06	2011 / Ford Tymco Sweeper	7	6/1/2018						236,769	236,769	On schedule
S-07	2011 / Ford Tymco Sweeper	7	6/1/2018						236,769	236,769	On schedule
S-08	2011 / Ford Tymco Sweeper	7	6/1/2018						236,769	236,769	On schedule
Total Public Works Vehicles				429,209	160,322	-	1,067,275	116,971	-	710,307	2,484,084
Total All Vehicles				1,555,047	655,878	1,437,913	1,377,344	973,440	-	1,042,460	7,042,082



Ad-Hoc Committee
Transportation
Criteria





**CITY OF KIRKLAND
TRANSPORTATION PROJECT EVALUATION FORM**

PROJECT INFORMATION

Project: _____

Limits: _____

Description: _____

Proposed By: _____ Date: _____

Rated By: _____ Date: _____

INITIAL PROJECT SCREENING

Does the project conflict with any specific policy provisions of the Comprehensive Plan?

- Yes: project eliminated from consideration
- No: project ranked using following criteria

PROJECT VALUES

	<u>POSSIBLE</u>	<u>THIS PROJECT</u>
• FISCAL	20	
• PLAN CONSISTENCY	10	
• NEIGHBORHOOD INTEGRITY	15	
• TRANSPORTATION CONNECTIONS	15	
• MULTIMODAL (NON-SOV)	20	
• SAFETY	20	
	_____	_____
TOTAL	<u>100</u>	<u> </u>

(Note to Rater: Please address all of the following questions recording any assumptions or comments in the margin adjacent to the question. Record scores for each question and transfer each value total to this cover sheet.)

FISCAL

_____ (50) 1. What is the City’s ability to leverage funds from all non-City sources (i.e. grants, private funds)?

(a)	x	(b)
<u>Chance to leverage</u>		<u>Amount leveraged</u>
0%	0	0-25% 1
1-25%	1	26-49% 2
26-50%	2	50-74% 3
51-75%	3	75-100% 4
76-100%	4	

(Rater: Multiply (a) x (b) = leverage factor (LF))

<u>LF</u>	<u>SCORE</u>
0-1	0
2-3	15
4-6	25
7-11	35
12-16	50

_____ (30) 2. How does the project unit construction cost deviate from standard unit construction cost? (Compare like projects: i.e. paths to paths, and not paths to sidewalks.)

>25% Greater than standard unit costs	0
0-25% Greater than standard unit costs	15
Less than standard unit costs	30

_____ (10) 3. How will the maintenance costs for conceptual design of project compare with the maintenance costs for a standard project design? (Standard project design is defined as the current requirements as set forth in the street standards.)

Greater than standard maintenance cost	0
Standard maintenance cost	5
Reduce costs of existing infrastructure or less than standard maintenance cost	10

FISCAL VALUES (Continued)

<u> </u>	(10)	4.	How will the conceptual design of the project affect existing maintenance needs?	
			Greater than existing	0
			Same	5
			Less than existing	10

 VALUE SCORE
(100 max)

 x .20 VALUE WEIGHT

 VALUE TOTAL

PLAN CONSISTENCY

<u> </u>	(50)	1.	Is the project generally consistent with or generated from adopted regional plans, such as Eastside Transportation Plan, King County Transit Six-Year Plan?	
			No	0
			Project is not inconsistent	25
			Project is generated from a regional plan	50

<u> </u>	(50)	2.	Is the project identified by the 20 year project list in the Capital Facilities Element of Kirkland’s Comprehensive Plan or the Non-Motorized Transportation Plan (NMTP)?	
			Project is not in either plan	0
			Project is identified as a priority 2 route in the NMTP	25
			Project is in the Comprehensive Plan, listed as a priority 1 route in the NMTP or is an approved school safe walk route.	50

<u> </u>	VALUE SCORE
(100 max)	

<u> x .10 </u>	VALUE WEIGHT
------------------	--------------

<u> </u>	VALUE TOTAL
<u> </u>	

NEIGHBORHOOD INTEGRITY

_____ (40)	1.	Does the project have public support?	
		Clearly opposed by the public	0
		Support/opposition of the public unknown or balanced	20
		Clearly supported by the public (i.e. Neighborhood Association, PTA letter)	40
_____ (20)	2.	Is the project generally consistent with the neighborhood in regards to street widths, landscaping, and appropriate buffers?	
		No	0
		Neutral	5
		Yes	15
		Yes & superior design	20
_____ (20)	3.	How will the project impact through traffic on neighborhood access/collector streets?	
		Will significantly divert traffic onto neighborhood access/collector streets	0
		Will have minimal impact on neighborhood access/ collector streets	10
		Will divert traffic away from neighborhood access/ collector streets	20
_____ (20)	4.	Is the project identified in a neighborhood plan or does the project support the goals of the neighborhood plan?	
		Does not support goals or conflicts	0
		No impact on goals of the plan	10
		Identified in the plan or supports the goals of the plan	20

_____ VALUE SCORE
(100 max)

x .15 VALUE WEIGHT

VALUE TOTAL

=====

TRANSPORTATION CONNECTIONS

- _____ (28) 1. Does the project provide a missing segment of an existing incomplete transportation network which is specifically identified in the Comprehensive Plan, the Non-Motorized Transportation Plan or is an approved school safe walk route?
- No 0
- Pedestrian Network
- Yes for a priority 2 network or a school safe walk route on a local street 14
- Yes for a priority 1 network or a school safe walk route on a collector or arterial 28
- Bicycle Network
- Yes for a priority 2 network 14
- Yes for a priority 1 network 28
- Transit/HOV Network
- Yes for a moderate improvement 14
- Yes for a substantial improvement 28
- Road Network
- Yes for a moderate improvement 14
- Yes for a substantial improvement 28

- _____ (72) 2. Does the project improve pedestrian, bicycle, transit/HOV or road connections near activity centers?

(72) Pedestrian:

Activity Centers	Project Within 1/4 Mile of a Center		Project Within 1/2 Mile of a Center	
School	18 points		12 points	
Community Facility⁽¹⁾	12 points		6 points	
Business District⁽²⁾	12 points		6 points	
Transit/HOV Facility	Facility 12	Route 6	Facility 6	Route 3
Regional Center⁽³⁾	6 points		3 points	
Improves a Connection within a Business District			12 points	

TRANSPORTATION CONNECTIONS (Continued)

(72) Bicycle:

Activity Centers	Project Within 1/2 Mile of a Center		Project Within 1 Mile of a Center	
School	18 points		12 points	
Community Facility ⁽¹⁾	12 points		6 points	
Business District ⁽²⁾	12 points		6 points	
Transit/HOV Facility	Facility 12	Route 6	Facility 6	Route 3
Regional Center ⁽³⁾	6 points		3 points	
Improves a Connection within a Business District				
			12 points	

(72) Transit/ HOV:

Activity Centers	Project Within 1/4 Mile of a Center		Project Within 1/2 Mile of a Center	
School	18 points		12 points	
Community Facility ⁽¹⁾	12 points		6 points	
Business District ⁽²⁾	12 points		6 points	
Transit/HOV Facility	Facility 12	Route 6	Facility 6	Route 3
Regional Center ⁽³⁾	6 points		3 points	
Improves a Connection within a Business District				
			12 points	

Footnotes:

- (1) Community Facility includes parks, libraries, hospitals, fire stations, city hall, community centers, the Boys and Girls club and similar facilities.
- (2) Business District includes commercial or employment centers.
- (3) Regional Center includes Totem Lake area and Downtown Kirkland.

(72) Roads:

Connects To	Connects From		
	Arterial Street	Collector Street	Local Access Street
Arterial Street	72 points	72 points	0 points
Collector Street	72 points	72 points	36 points
Local Access Street	0 points	36 points	72 points

For multi-modal projects, the project will receive the same number of points as the highest rated mode.

TRANSPORTATION CONNECTIONS (Continued)

(72) Signals:

Warrants	<75%	>75%	Meets
1. Minimum Volume	0	6	12
2. Interruption	0	6	12
3. Ped Volume	0	6	12
9. Four Hour Volume	0	6	12
10. Peak Hour Delay	0	6	12
11. Peak Hour Volume	0	6	12

 VALUE SCORE
(100 max)

 x .15 VALUE WEIGHT

 VALUE TOTAL

MULTIMODAL (NON-SOV)

<u> </u>	(45)	1.	Does the project provide non-SOV modes to the existing facility that currently do not exist?	
			Adds transit/HOV mode	15
			Adds bicycle mode	15
			Adds pedestrian mode	15
<u> </u>	(30)	2.	Will the project impact the effectiveness of any existing non-SOV modes (minimum standard)?	
			Denigrates existing non-SOV mode(s)	0
			No impact	15
			Improves existing non-SOV mode(s)	30
<u> </u>	(25)	3.	Does the project add one or more non-SOV modes to an existing regional corridor/facility or provide a new regional corridor/facility?	
			Pedestrian	5
			Bike - one way	5
			Bike - two way	10
			Transit	10

 VALUE SCORE
(100 max)

 x .20 VALUE WEIGHT

 VALUE TOTAL

SAFETY

_____ (10)	1.	Does the conceptualized design of the project meet generally accepted practices?	
		No	0
		Yes	10
_____ (25)	2.	What are the existing conditions for each mode of the project?	
_____ (25)		<u>Bicycle:</u>	
		Traffic volume is low, wide vehicular lanes	0
		Traffic volume is moderate, wide vehicular lanes which will allow cars to pass	5
		Traffic volume is high, wide vehicular lanes which will allow cars to pass	10
		Pavement is narrow, moderate volume of traffic	15
		Pavement is narrow, high volume of traffic	20
		Pavement is too narrow, to provide bicycle lane, traffic and parking demand are heavy	25
_____ (25)		<u>Pedestrian</u>	
_____ (25)		<u>Pathway:</u>	
		High parking demand on shoulder, low traffic volume, sidewalk/pathway currently available on one side	0
		High parking demand on shoulder, high traffic volume, sidewalk pathway available on one side	5
		Moderate parking demand on shoulder, low traffic volume, no existing sidewalk/pathway available	10
		Low parking demand on shoulder, high traffic volume, low turning movements, no existing sidewalk/pathway	15
		Low parking demand on shoulder, high traffic volume, high turning movements, no existing facilities	20
		Ability to prohibit or no parking demand on shoulder, high traffic volume/turning movements, no existing facilities	25
_____ (25)		<u>Sidewalk:</u>	
		Sidewalk separated pathway available, low traffic volume	0
		Wide paved shoulder or pathway both sides, low traffic volume	5
		Wide gravel/dirt shoulder four to eight feet wide one side, moderate traffic volume	10

SAFETY (Continued)

Sidewalk: (Continued)

Paved shoulder one to four feet wide present both sides, moderate traffic volume	15
No shoulder present on one side (must walk in vehicle lane), one to four feet other side, high traffic volume	20
No shoulder either side (must walk in vehicle lane), high traffic volume	25

_____ (25) **Crosswalk:**

Low pedestrian/traffic volume	0
Moderate pedestrian/traffic volume	10
Vulnerable population in proximity, moderate pedestrian/traffic volume	20
Vulnerable population in proximity, high pedestrian/traffic volume; high number of ped. accidents	25

_____ (25) **Roadway:** *(Note: Rater can substitute documented accidents along proposed project for relative ranking in this category).*

Roadway meets design standards (site distance, curves, travel lane widths, shoulders, etc.); saturated development (95 to 100% developed) feeding roadway	0
Roadway meets design standards; surrounding property mostly developed (50 to 95% developed)	5
Certain areas of the roadway below design standards, surrounding property mostly developed	10
Overall roadway is below design standards; surrounding property has significant undeveloped parcels with developable property (25 to 50% developed)	15
Certain areas of the roadway are potentially hazardous and substandard; surrounding property has significant undeveloped parcels	20
Overall roadway is potentially hazardous and substandard; high current or anticipated development (0 to 25% developed) will feed roadway	25

SAFETY (Continued)

_____ (25) Traffic Signal:

Accident Rate for Intersection

Not rated	0
0.25 accidents - 0.75 accidents/MEV	5
0.75-1.0 accidents/MEV	10
1.0 - 1.5 accidents/MEV	15
1.5 - 2.0 accidents/MEV	20
Greater than 2 accidents/MEV	25

_____ (25) Transit/HOV:

Not on an existing transit route, low need	0
Identified Transit route, high pedestrian/traffic volumes	25

_____ (15) 3. What is the degree of improvement proposed by the project compared to the existing condition(s). To determine, *After condition - Before condition = Number of points*; calculate total for all proposed project modes.

_____ (15) Bicycle:

No bike facilities available	0
Class III - no dedicated lane, but widened shoulder	5
Class II - on street, striped bike lane (5 feet wide)	10
Class I - separated trail	15

_____ (15) Pedestrian:

No pedestrian facilities available	0
Gravel shoulder (4 foot minimum)	5
Paved shoulder (4 foot minimum)	10
Sidewalk	12
Separated Trail	15

_____ (15) Crosswalk:

Unmarked crossing	0
Illuminated crossing/median island and warning signs	5
Traffic signal	10
Grade separation (under/overpass)	15

_____ (15) Roadway:

No existing roadway	0
Gravel/dirt roadway; no storm drainage	5
Existing paved roadway	10
Minimum roadway per zoning code	15

SAFETY (Continued)

- _____ (15) Traffic Signal:
- Stop sign controlled 0
 - No separate turn phases 5
 - Protected/permissive turns 10
 - Protected turns only 15
- _____ (15) Transit/HOV:
- No transit facilities available 0
 - Increases safety for transit 15

_____ (10) 4. Does the proposed project maintain or enhance the safety of the following modes?

	Positive impact enhances (2.5)	No impact neutral (1)	Negative Impact inhibits/reduces (0)	Total
Bicycle	_____	_____	_____	_____
Pedestrian	_____	_____	_____	_____
Vehicular	_____	_____	_____	_____
Transit/HOV	_____	_____	_____	_____

_____ (25) 5. Does the proposed project provide access for a vulnerable population (i.e. park, elementary school, mobility challenged, wheelchairs, retirement homes, hospital, Boys & Girls Club, Senior Center)?

- No surrounding facilities will access 0
- Facility within 8 to 15 blocks (½ to 1 mile) 5
- Facility within 4 to 8 blocks (¼ to ½ mile) 10
- Facility within 4 blocks (¼ mile) 15
- One facility accessed directly 20
- More than one facility accessed directly 25

_____ (15) 6. Does the proposed project maintain or enhance the emergency vehicle network?

- Inhibits/reduces 0
- Maintains or neutral 8
- Enhances 15

SAFETY (Continued)

<u> </u>	VALUE SCORE
(100 max)	
<u>x .20</u>	VALUE WEIGHT
<u> </u>	VALUE TOTAL

STEIGER\98TPE.DOC:RTS\ln

Surface Water Project Criteria



STORMWATER PROJECT CRITERIA

Supporting Kirkland Comprehensive Plan Goals:

Goal NE-6: "Protect life and property from the damages of floods and erosion."

Goal NE-5: "Preserve and enhance the water quality of streams and lakes in Greater Kirkland."

Goal U-4: "Provide storm water management facilities that preserve and enhance the water quality of streams, lakes, and wetlands and protect life and property from floods and erosion."

Goal CF-1: "Contribute to the quality of life in Kirkland through the planned provision of public capital facilities and utilities."

Goal CF-5: "Provide needed public facilities that are within the ability of the City to fund or within the City's authority to require others to provide."

The Endangered Species Act:

Chinook salmon has been listed as a Threatened species under the Endangered Species Act (ESA). In the near future, the National Marine Fisheries Service, which enforces ESA, will be issuing a rule defining actions that municipalities and private property owners must take to protect Chinook salmon. Depending on the content of the rule, CIP criteria may need to be refined to further address fish habitat concerns.

The Tri-County Assembly (officials from King Pierce and Snohomish Counties that have gathered to respond to the ESA listing) has recommended the following approach for management and preservation of salmon habitat:

- 1. First, do no harm: Reduce and prevent harm by abandoning, modifying, or mitigating existing programs, projects, and activities.*
- 2. Conservation: Protect key watersheds, landscapes, and habitats by acquisition, regulation or voluntary action.*
- 3. Remediation: Restore, rehabilitate and enhance damaged habitats to complement conservation actions.*
- 4. Research: Fill critical gaps in scientific and institutional information.*

STORMWATER PROJECT CRITERIA

Initial Project Screening:

Does the project conflict with any specific policy provision of the Comprehensive Plan?

- Yes: Project eliminated from consideration, list goal _____
No: Project ranked using following criteria

PROJECT VALUES

- **FACILITIES:**

Flooding Frequency	5	
Flooding Impact	10	
Condition Assessment	10	
Accessibility	5	
Subtotal		30

- **ENVIRONMENTAL:**

Water Quality	10	
Fish Habitat	10	
Other Benefits	10	
Subtotal		30

- **FISCAL:**

Coordination/Opportunity funding	10	
Cost/Benefit Index	5	
Maintenance Needs	10	
Subtotal		25

- **Public Support and Plan Consistency:**

Public Support/Opposition	5	
Plan Consistency	10	
Subtotal		15

TOTAL: 100

FACILITIES

_____ (5)	1.	What is the current flooding frequency?	
		None or not applicable	0
		Low - once every 5-10 years (>100 year event)	1
		Medium - once every 2 years (>25-100 year event)	3
		High - 3-4 times per year (> 10 year event)	5
_____ (10)	2.	What is the current flooding impact in terms of injury, private property or public infrastructure?	
		None	0
		Minimal (minor road ponding, flooding of landscaping, other inconveniences)	3
		Moderate (impact to crawl spaces, extended road flooding)	6
		Extreme (large area impacted with personal injury or heavy property damage)	10
_____ (10)	3.	What are the conditions of the existing facility? Chose either constructed facility OR natural environment.	
		<u>Constructed Facility</u>	
		No constructed system involved	0
		Existing infrastructure (pipes, manholes, catch basins, retaining walls) are in excellent state	3
		Infrastructure is in fair condition, minor defects have been observed	5
		Infrastructure is in disrepair; needs constant maintenance to insure ongoing usage. Structural failure.	10
		<u>Natural Environment</u>	
		No natural system involved	0
		Minor degradation (bank erosion, downcutting, sediment deposition, etc.)	3
		Moderate threat of bank undercutting	5
		Extreme degradation (structures threatened, undermining of banks, severe downcutting)	10
_____ (5)	4.	How accessible is the existing facility for maintenance crews?	
		Satisfactory access; personnel and equipment may access from existing public road or right of way or N/A	0
		Marginal access (set-up time greater than one hour)	1
		Limited access (inspection only)	3
		No access possible for maintenance or inspection	5

_____ (30 max)

ENVIRONMENTAL

_____ (10) 1. What is the proposed project's ability to improve existing water quality or protect/improve natural hydrology?

- N/A 0
- Low (minimal improvement, degradation may continue) 3
- Medium (maintains beneficial use, slight improvement) 6
- High (significant improvement) 10

_____ (10) 2. How will the proposed project impact fish habitat restoration/preservation or potential fish productivity in terms of habitat, stream connectivity or stream/lake characteristics? Does the project comply with the intent of the Endangered Species Act listing of Chinook salmon as a threatened species?

- N/A (Not a fish habitat project) 0
- Small Improvement 3
- Moderate improvement 5
- Significant improvement or Protects Existing 10

_____ (10) 4.. To what degree does the proposed project provide other benefits including education, recreation, open space, wildlife habitat and community livability?

- Does not include any other benefits 0
- Conflicts with one of the above existing community amenities minus 5
- Includes other benefits but of lesser value to the community, including at least one of the benefits listed above 5
- Includes benefits of substantial value to the community including at least two of the above 10

_____ (30 max)

FISCAL

_____ (10) 1. What is the possibility for coordination/opportunity funding with other projects? Would it be possible to add fish habitat features to this project?

N/A - No link to other projects, non-City funds are not available to perform improvement 0

Low development activity or potential to integrate with other projects, outside funds not probable 3

Links indirectly with other programs or projects; moderate chance of leveraging other funding 6

Link directly with other project(s) or programs, compounding their effectiveness or certain to leverage substantial amounts (percentage-wise) of other funding habitat will be lost if project not done soon 10

_____ (5) 2. Is the cost/benefit index low or high for this project?

Ranking from all except this X 100 = Cost Benefit Index
Cost of Project

N/A (grant funding) 0

0-10 1

10-20 3

> 20 5

_____ (10) 3. How will the conceptual design of the project affect existing maintenance needs?

Greater than existing 0

Same as existing 5

Less than existing 10

(25 max)

Public Support and Plan Consistency

- _____ (5) 1. Have citizens within the area effected by the project expressed interest and acceptance of the project?
- | | |
|---------------------------------|---|
| Public has expressed opposition | 0 |
| Public reaction is mixed | 1 |
| Moderate public support | 3 |
| Strong public support | 5 |
-
- _____ (10) 2. Is the project identified by the 20 year project list in the Capital Facilities Element of Kirkland’s Comprehensive Plan, or the Stormwater Master Plan?
- | | |
|--|----|
| Project is not in either plan | 0 |
| Project is identified as priority ** in the Surface Water Master Plan | 5 |
| Project is in the Comprehensive Plan, and is listed as priority ** in the Surface Water Master Plan, or is part of the City’s ESA response | 10 |

(15 max)

SUMMARY

FACILITIES	_____	(30)
ENVIRONMENTAL	_____	(30)
FISCAL	_____	(25)
PUBLIC INVOLVEMENT	_____	(15)
TOTAL PROJECT POINTS	=====	(100)

Parks Project Criteria



CRITERIA FOR RANKING PARKS CIP PROJECTS

	Criteria	None 0 Points	Low 1 Point	Moderate 2 Points	High 3 Points
1	Responds to an Urgent Need or Opportunity, Conforms to Legal, Contractual or Government Mandate	<ul style="list-style-type: none"> No need or urgency 	<ul style="list-style-type: none"> Suspected need with no substantiation 	<ul style="list-style-type: none"> Suspected need based upon visual inspection, public comment Suspected threat of development 	<ul style="list-style-type: none"> Report or other documentation has been prepared Confirmed threat of development Fills important gap in park system Significant public comment—survey, petition, public hearing Legal, contractual, gov't mandate
2	Health and Safety Issues	<ul style="list-style-type: none"> No known issues 	<ul style="list-style-type: none"> Suspected health or safety issue with no substantiation 	<ul style="list-style-type: none"> Suspected need based upon visual inspection, or public comment visible deterioration 	<ul style="list-style-type: none"> Documented evidence of unsanitary condition, health and safety code violations, injury
3	Fiscal Values	<ul style="list-style-type: none"> Leveraging of funds through partnerships, grants, bonds or volunteers is unlikely 	<ul style="list-style-type: none"> Leveraging of funds somewhat likely through partnerships, grants, bonds and volunteers 	<ul style="list-style-type: none"> Leveraging of at <i>least</i> 1/2 project funding available from other sources; 	<ul style="list-style-type: none"> Leveraging of <i>more</i> than 50 percent of project costs from other sources
4	Conforms to Park Open Space Plan or Other Adopted Plan	<ul style="list-style-type: none"> Not in any plan document 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Identified in Comprehensive or Functional plan 	<ul style="list-style-type: none"> Helps meet level of service objectives
5	Feasibility, including Public Support and Project Readiness	<ul style="list-style-type: none"> Project simply an idea No public input No other supporting information 	<ul style="list-style-type: none"> Some public involvement such as letters, workshops Professional report 	<ul style="list-style-type: none"> Schematic or conceptual level approval Property identified High public support Completed appraisal 	<ul style="list-style-type: none"> Construction documents complete Option or right of first refusal, willing seller
6	Implications of Deferring Project	<ul style="list-style-type: none"> No impact No imminent threat of development; 	<ul style="list-style-type: none"> Temporary repair measures available without significant liability or added future cost Indications of possible development Program quality limited or reduced 	<ul style="list-style-type: none"> Evidence of possible structural failure Confirmed private development sale possible Program participation limited or reduced 	<ul style="list-style-type: none"> Imminent possible structural failure, facility closure, or other similar factor Program cancellation Unable to meet level of service Imminent sale for private development

7	Benefits to Other New Capital Projects or an existing Park/Facility/Service, or Service Delivery	<ul style="list-style-type: none"> No association with or impacts to other projects 	<ul style="list-style-type: none"> Minimal benefit to existing or other projects 	<ul style="list-style-type: none"> Moderate benefit such as relieving overuse at another facility Corrects minor problem at adjacent facility 	<ul style="list-style-type: none"> Significant benefit such as providing added capacity to a facility Corrects major problem at adjoining facility
8	Number of City Residents Served	<ul style="list-style-type: none"> No residents served 	<ul style="list-style-type: none"> Only one neighborhood served 	<ul style="list-style-type: none"> More than one City neighborhood served 	<ul style="list-style-type: none"> Project will serve a City-wide population
9	Maintenance and Operations Impact	<ul style="list-style-type: none"> Requires substantial new M & O, no current budgetary commitment 	<ul style="list-style-type: none"> Resources/capacity available without additional budget commitment Requires new resources which are available or likely available in budget 	<ul style="list-style-type: none"> Has minimal or no impact on existing M & O resources Resources already allocated or planned for project in budget M & O requirements absorbed with existing resources 	<ul style="list-style-type: none"> Substantial reduction in M&O.
10	Geographic Distribution	<ul style="list-style-type: none"> Duplicates service, significant number of resources available in area, level of service overlap 	<ul style="list-style-type: none"> Adequate number of Parks are nearby, minimal level of service overlap 	<ul style="list-style-type: none"> Parks nearby, no level of service overlap, and gaps in service identified 	<ul style="list-style-type: none"> Underserved area. No facilities within service area.