

2011-2016

Capital Improvement Program



Juanita Beach Park Phase 1

Summary

City of Kirkland

City of Kirkland
Capital Improvement Program
2011 to 2016



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Table of Contents

Introduction

City Manager's Transmittal Memo	i
Map of Kirkland.....	xxi

Summary

Projects by Category.....	1
Neighborhood Summary.....	11
Project Modifications Schedule	15
Maintenance and Operations Costs and FTE Schedule	21

Transportation	23
-----------------------------	----

Surface Water Management Utility	37
---	----

Water and Sewer Utilities	47
--	----

Parks	59
--------------------	----

Public Safety	69
----------------------------	----

General Government	75
---------------------------------	----

Equipment Rental	83
-------------------------------	----

Appendix

Ad-Hoc Committee Transportation Criteria	87
Surface Water Project Criteria.....	101
Parks Project Criteria.....	107





CAPITAL IMPROVEMENT PROGRAM 2011 TO 2016

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.ci.kirkland.wa.us/CIPdocument>) provide tools for public comment and City Council review regarding projects planned for the next six years.

The CIP is prepared every other year with an interim update occurring in the "off year." Beginning with the 2009-2014 CIP, the CIP cycle coincides with the budget process. The CIP is prepared in an even year (2010) for the following six years (2011-2016). This allows the first two years of the CIP to align with the biennial operating budget being prepared in the same year.

The Preliminary 2011-2016 CIP's scope has been modified from the normal development of a new six-year capital plan to a more modest expansion of the current 2009-2014 CIP as a result of the following factors:

- The impact of the economic downturn on revenues dedicated to the CIP, and
- The City's annexation of areas immediately to the north of the current City, the Juanita, Finn Hill, and Kingsgate neighborhoods, effective June 1, 2011.

The identified focus of the Preliminary 2011-2016 CIP is on reviewing the impact of the economic downturn on projects scheduled for implementation in 2011 and 2012 presented in the Revised 2009-2014 CIP (approved on September 1, 2009). The review resulted in the scope or timing of some projects being modified to better align with anticipated revenues.

The Finance Committee concurred with the approach to the 2011-2016 CIP process in February 2010 and the full Council discussed the scope at the Council retreat in March 2010. 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, sidewalks, 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.

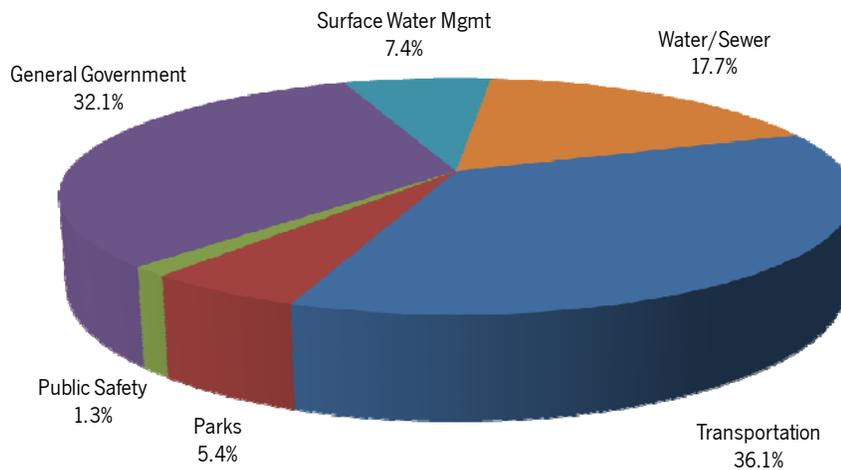
Park projects include renovation, replacement and construction of park and recreational facilities and acquisition of park and open space lands.

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

General Government projects include three areas – technology system acquisition and replacement, general government facility construction and renovation, and the Neighborhood Connections program.

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 a report with 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. In addition, maps depicting the location of the funded and unfunded projects throughout the City are included in the Transportation, Utility, and Parks sections. 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 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, an implicit 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 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 are one of the bases from which departments request 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 (i.e. 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, 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 2011 to 2016 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 cost is 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. The following matrix summarizes the current revenue used to balance the Preliminary CIP expressed as an annual average over the 6-year period.

**2011 to 2016 CIP
Average Annual Current Revenue (in 1,000s of dollars)**

Dedicated Revenue	Transportation	Surf. Wtr/ Transp.	Surface Water	Utilities	Parks	Public Safety	General Gov't*	Total
Gas Tax**	560							560
Sales Tax	270						300	570
Utility Connection Charges***				865				865
Utility Rates***		950	1,588	2,291			150	4,979
Real Estate Excise Tax 1**	360				731			1,091
Real Estate Excise Tax 2**	1,092							1,092
Impact Fees**	350							350
Transportation Benefit District ^	750							750
Interest Income						250	550	800
Total	3,382	950	1,588	3,156	731	250	1,000	11,057

* General Government section includes the Technology and Facilities categories and the Neighborhood Connection program.

** Indicates revenue sources that are legally restricted to capital purposes.

***For utility capital purposes only; utility funding in General Government category is for utility portion of GIS project.

^ Assumes Transportation Benefit District will be established in 2011; revenues used for street overlay. (Half-year revenue of \$375,000 estimated in 2011)

Current revenue sources were reviewed carefully and several changes are recommended. **Real Estate Excise Tax (REET)** has been impacted by the slowing of the economy and the real estate market. REET revenue was analyzed to determine if the current levels are sustainable for the coming six-year cycle. The base levels of REET funding for the Transportation and Parks CIP categories are recommended to be lowered to \$1.33 million for Transportation and \$0.67 million for Parks, which is a reduction of \$1 million (\$500,000 each for REET 1 and REET 2) in annual funding. These base allocations are then increased annually at a rate of 3.5 percent 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.

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. On the other hand, the scope and timing of Parks projects were modified to address the anticipated REET 1 revenue shortfall. The proposed 2011-2016 CIP does not recommend the use of REET 1 reserves to offset the revenue shortfalls affecting Parks projects because the estimated reserves are expected to be used toward funding facilities needs or backfill Parks debt service payments (if needed).

Transportation CIP funding includes the potential revenues from a **Transportation Benefit District (TBD)** which is under consideration for implementation in 2011 to help fund the Annual Street Preservation Program. Current estimates indicate that the City could receive up to \$750,000 in annual revenues from a TBD assuming that the district's boundaries match the current city boundaries (excluding the annexation area), and the Council approves the \$20 per vehicle fee. If the district is established by the Council

effective January 1, 2011, the City will receive TBD revenues effective July 1, 2011. The Preliminary CIP assumes \$375,000 in TBD revenues in 2011.

The Council adopted updated impact fees for both Transportation and Parks in June 2007 which became effective on February 1, 2008. Similar to REET revenues, transportation and parks impact fee revenues have been impacted 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 – a decrease of over \$2 million annually compared to the estimates prepared in 2008. 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. Impact fee reserves and the list of eligible projects will be reviewed as part of the interim update of the 2011-2016 CIP next year.

The Preliminary CIP is based on the recommended funding matrix and incorporates the reduced current revenue (REET) levels, the use of REET 2 reserves, the potential transportation benefit district revenues, and reduction in impact fee receipts. Other funding highlights are summarized below:

- Proposed **Sewer projects** assume use of debt from Public Works Trust Fund loans (PWTF) (\$5.28 million) to leverage current revenue over the period of the plan.
- The Preliminary CIP restores funding for **Neighborhood Connections CIP** at \$100,000 per year after the hiatus in 2009 and \$25,000 reserve funding in 2010. A re-evaluation of this program is anticipated in the upcoming biennium.

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 Expansion), to fund matching contributions for some grant-funded transportation projects, and to offset anticipated shortfalls in 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 PWTF loans as a low-interest form of debt. Loans for approved projects are granted with interest rates ranging from one-half to two percent depending on the amount of the City's matching funds. The Preliminary CIP includes a non-voted debt issue for the City Hall/Public Safety Expansion project. This assumption will be refined once the facilities financing needs become more concrete.

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

POLICY ISSUES AND PROJECT HIGHLIGHTS

The Preliminary CIP provides a strategy that addresses near-term needs and meets existing obligations. 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 Master 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.

The City had to reduce expenses and use reserves to offset the effect of the economic downturn on operating revenues in 2009 and 2010. The experience underscored the need to return to a more **sustainable budget**, both operating and capital, based on more conservative revenue forecasts and conservative budget policies:

- Replenishing reserves when times are better,
- Living within our means (ongoing revenue for ongoing services),
- Diversifying the revenue base, and
- Establishing replacement reserves for items that have traditionally been funded with one-time resources.

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. This results in potentially sub-optimal solutions as projects are deferred, creating future unfunded liabilities, or unsustainable solutions such as one-time resources being used to meet immediate needs. As revenues recover, options to increase the City's resilience to the affects of economic downturns and position it for sustainable growth in the future will be identified and brought forward for consideration as part of the budget process.

The current economic environment offers the City an **opportunity to issue debt at historically low interest rates**. The City may issue non-voted debt as early as 2010 to fund facilities projects to be completed between 2011 and 2016. The Preliminary CIP assumes non-voted debt funding for the City Hall/Public Safety Expansion project. The exact mix of funding sources will depend on the final facilities plans and cost estimates currently under development. The funding strategy will be brought forth for Council consideration in June 2010, including a discussion of the feasibility of using voted debt, and the results will be incorporated into the final CIP.

The 2009-2014 CIP assumed **cost inflation factors** based on an analysis of industry and City of Kirkland trends and experiences through 2008 – when demand for materials and contractors was high. Bids for projects constructed in 2009 were generally below the planned costs in the CIP as a result of the economic downturn and the related increase in the availability of materials and contractors. Early indications are that the economy has likely reached bottom and will recover slowly over the next several years. The inflation factors assumed in the 2009-2014 CIP may be high for the near-term, but reduced inventories and recovery may cause a return to upward trends. The Preliminary 2011-2016 CIP includes no changes to cost inflation factors for the following reasons:

- The scope of this process was limited to a modest expansion of the 2009-2014 CIP rather than the normal development of a new six-year CIP which would have included a re-evaluation of all assumptions.

- The Preliminary CIP will be updated in 2011 to incorporate annexation needs and other factors affecting revenues and costs.
- This CIP continues the policy direction of no new transportation or utilities projects until 2012 in order to address the backlog of projects in these areas. A revision in cost inflation factors would have affected only two projects in 2011. The costs for these two non-annual maintenance type projects in 2011 were reviewed and it was determined that no changes were required.

The Preliminary 2011-2016 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 completely 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 2011-2016 funded CIP totals \$101,300,400, which is approximately 19 percent of the total identified needs of \$531,820,400. This compares to the adopted (revised) 2009-2014 funded CIP which totaled \$141,749,800 and was 27 percent of the total identified needs of \$505,398,900. The total identified needs increase of \$20.7 million over the 2009-14 CIP is made up of \$40.5 million decrease in the funded category and \$61.2 million increase in the unfunded category.

The reduction of total funded projects is primarily the result of moving projects from funded to unfunded status due to funding availability, the normal variation of the timing of major projects, and revised cost estimates. The largest categories of 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 were not included in the last CIP, but are identified in the current version to provide a snapshot of what the annual program funding would support. This change in how candidate projects are presented in the current CIP accounts for over \$50 million of the increase in unfunded projects compared to the last CIP.

The Transportation unfunded category increased \$47.3 million due to projects moving from the funded to the unfunded category (\$4.0 million), new unfunded projects (\$13.8 million, of which \$5.9 million are related to Totem Lake area improvements, \$4.7 million for NE 120th Street Roadway Extension, and \$1.3 million for phase 2 of the Park Lane Pedestrian Corridor Enhancement project). There are approximately \$38 million of net unfunded projects recognized as candidates for annual Transportation programs that were not included in the 2009-14 CIP. The Parks unfunded category amount of \$76.8 million increased by \$0.8 million due to projects moving from funded to unfunded as a result of reduced funding availability. In the Utilities area, Water/Sewer Utility unfunded projects increased \$12.7 million due the inclusion of unfunded projects that are candidates for the respective annual programs. Surface Water unfunded projects increased by \$0.5 million due to the inclusion of projects that are candidates for the annual programs.

**2011-2016 CIP
Summary of Total Identified Needs**

	6-year Funded CIP	Unfunded CIP	Total CIP
Transportation	36,558,000	247,111,200	283,669,200
Parks	5,461,000	76,750,000	82,211,000
Public Safety	1,336,500	0	1,336,500
General Government			
Technology	6,258,600	4,870,700	11,129,300
Facilities	25,683,000	15,000,000	40,683,000
Neighborhood CIP	600,000	0	600,000
Subtotal	75,897,100	343,731,900	419,629,000
Surface Water Mgmt	7,467,000	7,100,200	14,567,200
Water/Sewer	17,936,300	79,687,900	97,624,200
Utilities Subtotal	25,403,300	86,788,100	112,191,400
Grand Total	101,300,400	430,520,000	531,820,400

The following table shows the total funded project costs by year and by project category, with an average annual cost per category.

**2011 to 2016 CIP
Total Funded Project Costs (in 1,000s of dollars)**

CIP Category	2011	2012	2013	2014	2015	2016	6-Year Total	Avg. Annual
Transp. (incl. SWM portion)	8,475	5,940	5,694	4,930	5,000	6,519	36,558	6,093
Surface Water Utility	200	1,512	2,331	1,588	974	862	7,467	1,245
Water/Sewer Utility	1,450	2,860	3,408	3,062	4,178	2,980	17,936	2,990
Parks	888	811	1,336	861	769	796	5,461	910
Public Safety ¹	404	252	59	306	316	0	1,337	223
General Government ²	12,671	13,559	1,342	1,988	1,434	1,548	32,542	5,424
Total Expenditures	24,088	24,934	14,170	12,735	12,671	12,705	101,301	16,884

1 – Full \$250,000 allocation not used each year, balance moves to General Gov't

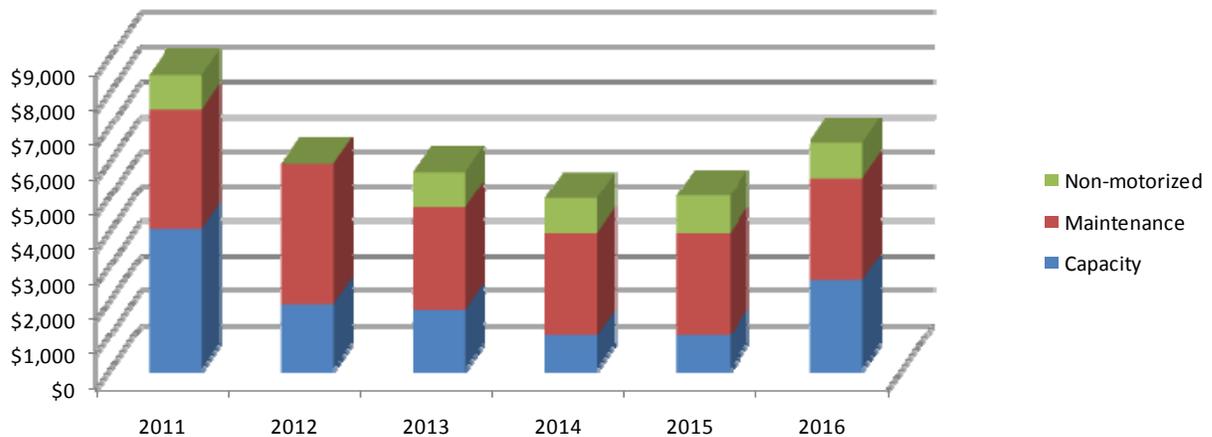
2 – Utilizing Public Safety balance and reserves for IT and NCIP

TRANSPORTATION

The Transportation section of the CIP contains the largest gap between needs and the projects that were funded in this proposal (Utilities needs represent the second largest unfunded area). The first priorities for funding transportation projects are **capacity projects needed to meet the adopted level of service** and then maintenance projects represented by the annual street preservation program, striping program, and the sidewalk maintenance program. After these areas are funded, remaining resources are allocated to other transportation enhancements, primarily in the area of non-motorized improvements such as sidewalks and crosswalks. The Preliminary CIP also continues the previous policy direction of no new transportation projects until 2012. This CIP proposal includes sufficient funding for concurrency projects needed to maintain the sub-area level of service average over the next six-year period.

After meeting the level of service standard, **maintenance projects are the next highest priority**. The annual funding level for the street preservation program is increased to an average of \$2.5 million and the annual sidewalk maintenance program and the annual striping program are retained at \$200,000 and \$250,000 respectively.

The third transportation category includes **non-motorized improvements**. As Council had directed during the preparation of the 2008-2013 CIP, a set funding level for non-motorized is targeted, with the target at \$843,000 for this CIP. This is a decrease of approximately \$300,000 in the six-year average from the 2009-2014 CIP because no non-motorized improvements are funded in 2012. The average funding for non-motorized improvements in the Preliminary CIP is 14%. The following chart and table show the relationship between the actual funding for each of these components over the 6-year CIP.



	2011	2012	2013	2014	2015	2016	Average
Non-motorized	970	0	1,020	1,000	1,070	1,000	843
Maintenance	3,450	4,050	2,950	2,950	2,950	2,950	3,217
Capacity	4,055	1,890	1,724	980	980	2,569	2,033
Total Transp.	8,475	5,940	5,694	4,930	5,001	6,519	6,093

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

- The spike in 2011 Transportation projects relative to the subsequent years of the Preliminary CIP is primarily the result of two factors: 1) 6th Street/Central Way Intersection Improvements, \$3.5

million (assumed to be funded from private development), and 2) Annual Street Preservation Program—one-time purchase of milling machine, \$0.5 million.

- The **annual street preservation program** (street overlay) is proposed at \$2.5 million per year, an increase of \$500,000 per year primarily using proposed Transportation Benefit District revenues. Funding of \$200,000 per year for a **sidewalk maintenance program** and \$250,000 for the **annual striping program** are maintained. The total dollars will be held constant and the number of miles overlaid, sidewalks maintained, and lanes restriped will vary from year to year.
- A one-time use of REET 2 reserves of \$500,000 is proposed for the purchase of the **milling machine** as discussed at the February 16, 2010 Council meeting.
- The second Tier of the **Safe Routes to School** grant projects based on the improvements recommended by each of the seven Lake Washington School District elementary schools in Kirkland is proposed at \$798,000 in 2011.
- Funding for a **One-time Street Preservation** project -- the overlay of NE 85th Street, between I-405 and 132nd Avenue NE in 2012, is proposed for \$1.1 million. This project is fully 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.
- **New concurrency projects related to Park Place redevelopment** are included starting in 2012. These capital projects are assumed to be fully developer funded.
- **Annual Program projects appear starting in 2012** with the annual non-motorized program starting in 2013. These annual programs - one each for concurrency street projects, concurrency traffic projects and non-motorized projects – reflect the grouping of previously funded projects for each of these areas. With the delay of new projects being planned until 2012, previously funded projects have been grouped by type and the funding levels for these areas planned into the CIP. As the future years draw closer, more 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 from the 2009-2014 CIP has been increased from \$25,000 to \$40,000 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 **Growth and Transportation Efficiency Center (GTEC)** project will build upon the City's successful **Commute Trip Reduction (CTR)** program, where the City seeks to expand the CTR strategies to all employers and residents within the Totem Lake Urban Center, which is a designated Growth and Transportation Efficiency Center (GTEC). The project will reduce congestion, drive alone trips and increase transit, carpool, vanpool, van share, telecommuting, biking, and walking. The outcome will be the reduction of emissions. The project will provide a web-based management tool to record and track the emission reduction by the individual and employers. Furthermore, it will provide businesses with results that would help them obtain LEED certification and other environmental recognition.

- The **inflation factor** used for Transportation projects remains unchanged from the 2009-2014 CIP at 11 percent. This will be reviewed and updated as necessary next year as part of the interim update to the 2011-2016 CIP.

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.

As originally proposed in the 2009-2014 CIP, Surface Water projects are being delayed until 2012. Any rate impacts of the change will be addressed during development of the operating budget. A few funding and project highlights include:

- The two annual projects – **Annual Streambank Stabilization and Annual Storm Drain Replacement projects** – remain to account for previously funded projects that are now delayed until 2012 or later. Like the Transportation projects, the Surface Water projects will be evaluated for highest priority during the next CIP.
- **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 **inflation factor** used for Surface Water projects remains unchanged from the 2009-2014 CIP at 13 percent. This will be reviewed and updated as necessary next year as part of the interim update to the 2011-2016 CIP.

WATER/SEWER UTILITY

Utility rates and connection charges fund the Water/Sewer Utility portion of the CIP. Additionally, a planned use of debt (\$5.28 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. 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:
 - Large watermain replacement on 132nd Avenue NE/NE 80th Street funded with current revenue,

- Annual programs for Watermain Replacements and Water Pump Station/System Upgrades,
 - Improvement to Supply Station #3 as a Joint Project with the City of Redmond, and
 - Watermain improvements within the South Juanita Neighborhood area funded with current revenue.
- **Sewer projects** addressed in this CIP include:
 - NE 80th Street Sewermain replacements Phase 2 and 3 largely funded with PWTF loans,
 - Annual programs for Sanitary Pipeline Replacements and Sanitary Pump Station/System Upgrades.
 - The **inflation factors** used for Water and Sewer are 18 percent and 35 percent respectively based on an analysis of industry and City of Kirkland trends and experiences. Since this CIP process was intended to be limited to an update of the 2009-2014 CIP, inflation rate assumptions were not re-evaluated. The inflation factors for water and sewer will be reviewed and updated as necessary next year as part of the interim update to the 2011-2016 CIP.
 - The Preliminary CIP is being incorporated in rate studies currently in process and preliminary findings suggest that no significant rate increases are required to fund proposed capital projects in 2011 and 2012. 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 recommendation of the Park Board 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.

As discussed in the Funding section, the Park impact fees were updated in 2007 and became effective in February 1, 2008. The increased fees provide for the debt service payment of McAuliffe Park and the Teen Center. This funding strategy is based on the methodology of the 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 change in REET 1 revenue projections discussed earlier results in an average annual reduction of \$500,000 of REET 1 funding for Parks CIP. The Preliminary CIP addresses this reduction in funding by reducing the scope and therefore the cost of the following projects:

- **Park Play Area Enhancements** – reduced funding by \$50,000 in each of the following years: 2012, 2013, and 2014 compared to the Revised 2009-2014 CIP. The preliminary schedule includes enhancements at the following parks: Forbes Creek Park (2011) and Van Aalst Park (2012). No playgrounds are scheduled for enhancement or replacement in 2014. Projects in 2013, 2015, and 2016 will be determined based on on-going assessments and inspection of existing infrastructure.

- **Waverly Beach Park Renovations** – project timing extended from 2011 to 2012 in Preliminary 2011-2016 CIP and some renovation tasks deferred until after 2016.
- **Spinney Homestead Park Renovation** – renovations planned for 2012 are now expected to be completed at some time after 2016.
- **Juanita Beach Park Development** – reduced funding for projects in 2013 and 2014 by \$261,000. The change in funding will likely result in a longer timeframe to implement the approved park master plan.
- **Snyder's Corner Park Site Development** – reduction in funding will likely change scope of the initial phases of the project following the completion of the park master plan.

The anticipated reduction in operating budget revenues as a result of the economic downturn also influenced the list of funded Parks CIP projects. The completion of CIP projects often triggers operating and maintenance (O&M) costs. The proposed CIP recommends moving the following Parks CIP projects from the funded list (in the Revised 2009-2014 CIP) to the unfunded list to delay the addition of O&M costs to the operating budget:

- A.G. Bell Elementary Playfields Improvements,
- International Community School Playfield Improvements, and
- Dock Renovations.

A continued theme to the proposed Parks CIP is “taking care of what we have”. Many of the projects focus on renovation of existing developed parks and the development of current and recently acquired park land. Project highlights of note include the following:

- 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 their 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.
- The addition of the **General Park Renovation Program**. This project will cover the renovation and redevelopment of existing parks in Kirkland starting in 2015. Candidate parks and the scope of the renovations or redevelopment will be based on Park Board recommendations.
- The CIP was developed using an **inflation factor** of 3.5 percent per year, which is consistent with the inflation factor used for the park impact fees that were developed during 2007.

GENERAL GOVERNMENT AND PUBLIC SAFETY

This category addresses capital needs related to police and fire services, technology systems and general government buildings. An annual allocation of \$500,000 in interest income is shared between these three areas. In addition, this amount is supplemented by \$650,000 of dedicated funding annually for technology projects and the facilities replacement sinking fund for major building repairs. General Government and

Public Safety CIP projects include a 3.5 percent inflation factor starting with 2012 costs, except for the Facilities projects which include a 3 percent inflation factor.

PUBLIC SAFETY

Public Safety projects include construction, acquisition and upgrade of police and fire facilities and purchase of major pieces of equipment. Upon annexation, King County Fire District #41 would cease to exist and will therefore not be a source of funding for Fire service projects. On the other hand, upon annexation the City Council would have the option of directing additional resources (revenues from the annexation area) to fund Fire service projects that are currently funded by the Fire District. In order to simplify the presentation and recognizing the fact that the Preliminary 2011-2016 CIP will be revised in 2011 to reflect the impact of annexation, the proposed Fire service projects that are allocable to the Fire District #41 include District funding at 26% of the total cost of the project.

Project highlights are summarized below:

- The City is responsible as an incorporated jurisdiction to perform **emergency management functions** within our jurisdictional boundaries. The windstorm of December 2006 was an example of a disaster where there was an urgent need for communication. The **Local Emergency/Public Communication AM Radio** provides a critical and accessible means of communicating with the community. This AM station would be used during an emergency to transmit important information to the community about shelters, power and City services. This station would be used during non-emergency times of the year to transmit event and regular City services messages. By using the station for non-emergency information as well, the citizens will be used to getting City information via this medium and will tune in for critical information during a disaster.
- The second emergency management function-related capital project is the **Disaster Response Portable Generators** which provides for the purchase of two 100kW emergency power generators; a trailer to house and transport the generators; electrical transfer switches; and the costs of installing plug-in connections at locations within the current City. This project is entirely funded by a federal appropriation.
- The remaining Public Safety projects relate to **replacement of vital equipment** such as **defibrillators** for both Police and Fire. Technology changes are occurring which requires routine replacement of these life saving devices. During this CIP cycle, in 2014 and 2015, the **self-contained breathing apparatus (SCBA)** for Fire will be due for replacement. As discussed earlier, the replacement of defibrillators and 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.
- The projects submitted in this category fit within the available funding, so there are no unfunded Public Safety projects showing in the Preliminary CIP. As discussed in other sections, annexation needs will be more fully developed next year and the need to pursue sinking fund approaches to routine replacements will be pursued as part of the budget process.

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, and when appropriate, external funding.

Funding for IT capital projects continues to be a major constraint. The Preliminary CIP was balanced by reducing the budget for the Network CIP by \$49,000 in 2012 and moving portions of two projects (Help Desk Clientele System Replacement and the Maintenance Management System Upgrade) to the unfunded list. Additionally, the Registration System Replacement project which was scheduled for implementation in 2011 has been moved to the unfunded list. As discussed earlier, 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. 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 could 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 GIS, except for the one new project for Court technology totaling \$50,000 scheduled for 2012.

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 (\$679,000) and water/sewer and surface water utility resources (\$900,000).
- 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's funding has been reduced by \$150,000 compared to the previous CIP because of the demands on the limited funding available for Technology CIP. Currently the Finance/HR system is the only major system with backup and recovery procedures and equipment. 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.
- **Two major system replacements/upgrades** are proposed within the Preliminary CIP: the Finance and HR Modules and the Maintenance Management System Upgrade. Both of 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.

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.

A significant facility issue facing the City now and in the future is space. Space at City Hall and the Maintenance Center for staff, conference rooms and working areas is in short supply. City Hall was built in 1982 and expanded in 1994 with an expectation that the expansion would accommodate ten years of growth. The City Hall facility is now at capacity and two departments were moved to another facility (505 Market Building) to relieve overcrowding. The Maintenance Center is experiencing the same space limitations for both staff and working areas, such as materials storage and vehicle space, with Parks Maintenance moving to a separate facility in 2008.

With annexation effective June 1, 2011, planning for a potential separate public safety campus, modifications to City Hall and the Maintenance Center are in progress. 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.

Project highlights include:

- The Preliminary CIP reflects placeholder projects for **City Hall, Public Safety, & Maintenance Center Expansion** that were identified in the 2009-14 CIP. The total costs of these projects is \$49.0 million (including prior years, funded, and unfunded). The breakdown between specific facilities does not reflect the new facilities plan that is under development, although the total dollar amount is a similar order of magnitude. The project will be funded from many sources, including the state grant funding, reserves, and assumed non-voted debt. More detailed estimates and funding strategies will be developed based on the final facilities plans that are currently under development. A review of potential financing strategies and resources will be presented to Council in June 2010 and the results will be incorporated in the final CIP.
- The Preliminary CIP also includes life cycle facilities projects funded by the sinking fund reserve.

Neighborhood Connection CIP

The City-wide portion of the General Government project list restores the **Neighborhood Connection CIP** project. This program is an ongoing program to involve residents in identifying and prioritizing small capital projects that they feel will improve their neighborhood. The Neighborhood Connection Program started in 2000 at an annual allocation of \$100,000 (\$25,000 per neighborhood, four per year).

As discussed earlier, the Preliminary CIP includes funding for Neighborhood Connections CIP at \$100,000 per year after the hiatus in 2009 and \$25,000 reserve funding in 2010 in anticipation of the planned re-evaluation of this program and pending the determination of the sustainable funding level for this program.

Public Art

The Preliminary CIP continues to include the policy first incorporated in the 2008-2013 CIP of a percent for arts. The percent for arts policy states that eligible CIP projects budgeted at \$500,000 or more will spend

a minimum of 1 percent of the total project budget on public art as part of the overall project design. Eligible projects for this policy exclude 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.

CONCLUSION

The 2011 to 2016 CIP is a modest expansion of the current 2009-2014 CIP rather than the normal development of a new six-year CIP. A more comprehensive review and update is planned for 2011 that will incorporate annexation area needs, adjustments to inflation factors, and revised revenue estimates. The City Council will need to continue seeking new funding sources for capital needs and, in the meantime, provide guidance as to which capital improvements should be funded with limited resources.

There are a series of future policy discussions identified in this Preliminary CIP, including:

- Funding strategies for facilities (which will be presented to the City Council on June 1, 2010).
- The need for sinking fund reserves for on-going replacement of public safety equipment and information technology infrastructure, and
- Strategies for funding annexation area capital needs.

As the City proceeds into the budget process, information will be brought forward which should help inform these discussions. In the meantime, this Preliminary CIP reflects the current economic reality and provides a plan for continuing to meet the City's capital needs in the near-term, while further information is under development.

To assist in review of the Preliminary CIP, the City Council will be provided with supplemental information on the following topics:

- Report on transportation and utility CIP backlog that was the focus of the 2009-2014 CIP
- Memorandum on IT CIP projects that are not funded in the Preliminary 2011-2016 CIP
- Memorandum on annexation immediate needs

Respectfully submitted,



Marilynne Beard, Interim City Manager



Tracey Dunlap, Director of Finance & Administration

POSTSCRIPT

The final 2011 to 2016 Capital Improvement Program (CIP) was adopted by resolution on December 7, 2010. Following City Council review of the Preliminary 2011 to 2016 CIP, the following modifications were made for the final 2011 to 2016 CIP:

Revisions to Funded Transportation Projects

- **Annual Street Preservation Program-One-Time Project** (ST 0006 002) – Project total changed from \$1.1 million to \$1.122 million to reflect additional State funding of \$22,000 in 2012.
- **Annual Concurrency Street Improvements** (ST 8888) – The Preliminary CIP funded this project at \$800,000 in 2012. To address the anticipated shortfall in transportation impact fee revenues in 2012, \$350,000 was removed from the funding mix. A further \$200,000 in surface water revenues was moved from ST 8888 to the **6th Street/Central Way Intersection Improvements** (TR 0100) project in order to meet grant match requirements. These reductions in funding of ST 8888 could potentially impact the City's ability to leverage additional funding from grant opportunities. To mitigate this risk, the funding for ST 8888 was increased with the use of \$600,000 from reserves in 2012. The resulting project cost in 2012 is \$850,000 in the adopted CIP.
- **6th Street/Central Way Intersection Improvements** (TR 0100) – Project total cost reduced from \$4.62 million (as presented in May 2010) to \$3.02 million. The project is now estimated to cost \$0.97 million in 2011 and \$1.0 million in 2012 in addition to the \$1.05 million budgeted in 2010.

Additions to Transportation Projects

- **Kirkland Intelligent Transportation System Implementation Phase I** (TR 0111) – New project added to the CIP to acknowledge notification of Congestion, Mitigation and Air Quality (CMAQ) grant award of \$1.8 million in 2011 and a grant match of \$243,000 for a total of \$2.043 million.
- **Downtown Pedestrian Safety Improvements - Central Way** (TR 0112) – New project added to the CIP to acknowledge grant award of \$16,000 in 2011.
- **Eastside Rail Corridor Trail Acquisition** (NM 0070) – Acquisition of the Eastside Rail Corridor, formerly known as the Burlington Northern Santa Fe (BNSF) railroad right-of-way, between Bellevue and the north City limits for the potential future use as a recreational trail, light-rail corridor, and right-of-way for addressing surface water needs in the Totem Lake area corridor is included in 2011. An initial acquisition amount of \$5 million has been identified with external funding as the source.

Revisions to Unfunded Transportation Projects

- **111th Avenue Non-Motorized/Emergency Access Connection** (NM 0058) – Added project totaling \$2 million. This project was inadvertently omitted from the unfunded list in the Preliminary CIP.
- **104th Avenue NE/NE 68th Street Lake Washington School Walk Route Enhancements** (NM 0068) – Project total changed from \$351,000 to \$359,000 due to a change in project scope as a result of a grant application process.
- **100th Avenue NE Bicycle Lanes** (NM 0069) – New project added to the unfunded transportation CIP list for a total of \$185,000 in anticipation of potential grant opportunities.
- **Kirkland Intelligent Transportation System Implementation Phase II** (TR 0111 001) – New project added to the unfunded transportation CIP list for a total of \$4.1 million in anticipation of potential grant opportunities.

- **Totem Lake Area Development Opportunity Program** (ST 0081) – Establishing a new, unfunded project at an estimated cost of \$500,000, in anticipation of development opportunities funded through grants that may require a City matching portion. As opportunities arise, staff will bring forward for Council consideration a plan to fund this project in order to utilize any grants or other external funds that help achieve the City's goals for redeveloping the Totem Lake area.
- The following projects anticipated to be funded by **Park Place redevelopment**-related revenues are being shown on the unfunded list to recognize that they will occur only if the development proceeds:
 - Central Way/Park Place Center Traffic Signal (TR 0082)
 - Lake Washington Boulevard/NE 38th Place Intersection Improvements (TR 0090)
 - Central Way/4th Street Intersection Improvements (TR 0103)
 - 6th Street/4th Ave Intersection Improvements (TR 0104)
 - NE 85th Street/124th Ave NE Intersection Improvements (TR 0108)

Transportation Project Moved to Unfunded List

- Moving the **6th Street/Kirkland Way Traffic Signal** project (TR 0065) from funded to unfunded status to recognize that it will occur only if the development proceeds.

Surface Water Project Moved to Funded List

- **Totem Lake Boulevard Flood Control Measures** (SD 0059) – Project moved from unfunded to funded status based on availability of \$117,000 in King County Opportunity Funds for flood control study in 2011.

Additions to List of Funded Surface Water Projects

- **Totem Lake Surface Water Opportunity Program** (SD 0072) – Establishing a new, funded project that adds \$500,000 in surface water utility revenue identified for surface water projects in the Totem Lake area that would utilize the right-of-way offered by the acquisition of the Eastside Rail Corridor Trail Acquisition discussed above.
- **Forbes Creek Surface Water Opportunity Program** (SD 0073) – Establishing a new, funded project that adds \$500,000 in surface water utility revenue identified for surface water projects in the Forbes Creek area that would utilize the right-of-way offered by the acquisition of the Eastside Rail Corridor Trail Acquisition discussed above.

Revisions to Funded General Government Projects

Addressing the anticipated \$1.86 million shortfall in interest revenues for public safety and general government projects included in the Preliminary CIP by:

- Moving the Local Emergency/Public Communication AM Radio project (PS 0068) from the funded to the unfunded list – reducing expenditures by \$119,100;
- Reducing IT capital project costs by \$40,500 in 2011 for the Finance and HR Systems Modules (GG 0006 160) by identifying alternative implementation approaches and reducing project scope;
- Deferring approximately \$200,000 in planned expenditures on the City's Local and Wide Area Networks (GG 0006 300) to sometime beyond 2012; and
- Using \$1.7 million in one-time resources to address the remaining shortfall.

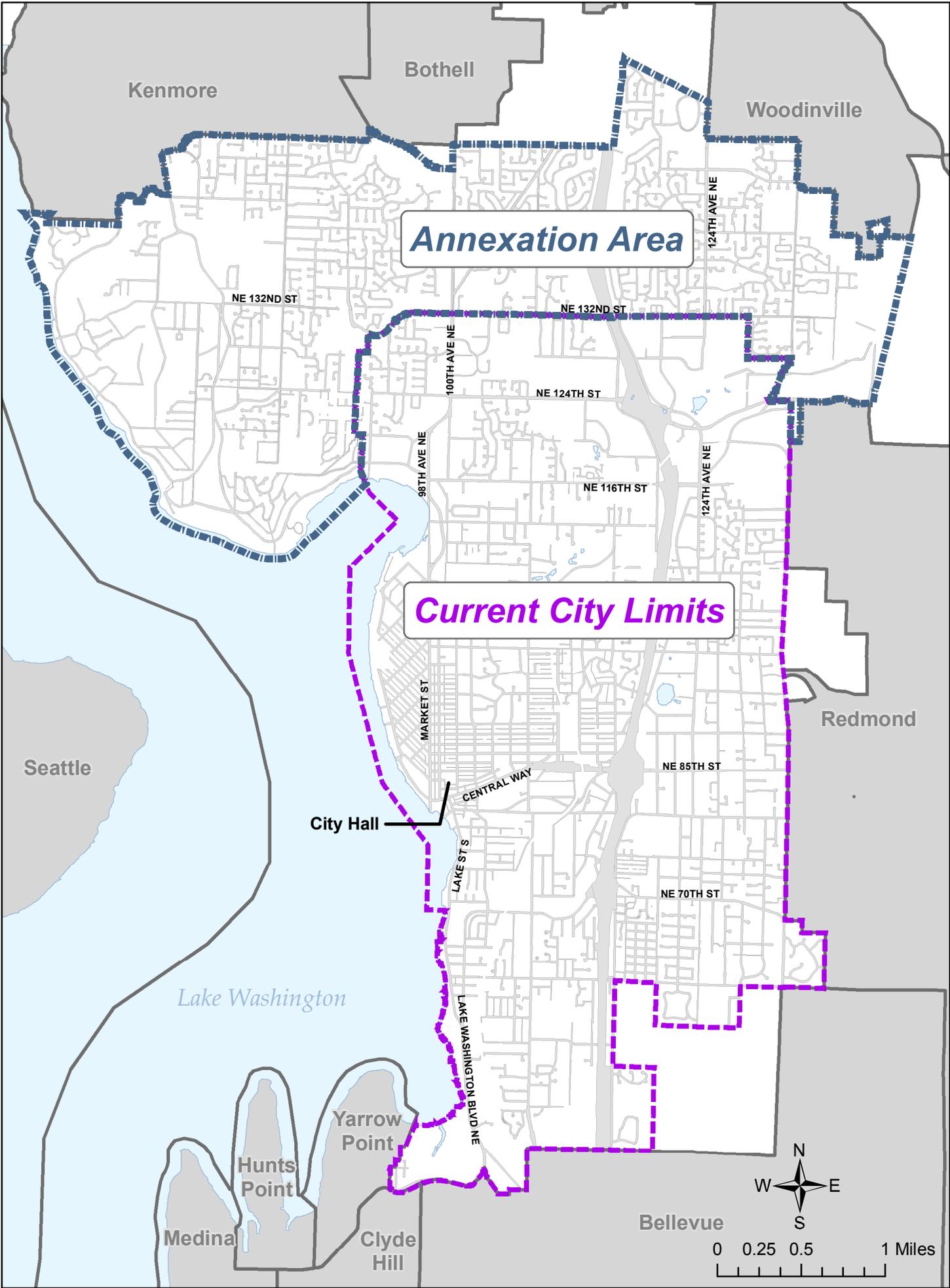
The City Manager recommended that the **Neighborhood Connections Program** (GG 0023) be reduced from \$100,000 to \$25,000 per year to balance the 2011-2012 Budget. At the November 16th meeting, Council directed staff to eliminate the Neighborhood Connections Program and use the \$25,000 per year to increase neighborhood

grants from \$615 to \$1,000 and purchase an insurance policy for neighborhood events. The remaining \$14,955 will be used for Human Services funding in 2011 and set-aside in a reserve in 2012.

The 2011-2016 CIP assumes **Transportation Benefit District** (TBD) revenues to fund transportation projects. At the November 8 Council budget study session, Council provided policy direction to defer the decision about whether or not to implement a TBD until the second quarter of 2011. Council also provided policy direction that the TBD revenue assumptions and related CIP projects should be left in the 2011-2016 CIP until the final decision is made, with the direction that no TBD projects would be implemented prior to that decision.

Incorporating the changes mentioned above, the overall funded CIP changes from \$101,300,400 in the Preliminary CIP to \$104,422,800 in the Final CIP for the six-year period. The table below summarizes the proposed changes to the Preliminary 2011-2016 CIP:

	6-Year Funded CIP	Unfunded CIP	Total CIP
Preliminary 2011-2016 CIP	101,300,400	430,520,000	531,820,400
Changes in 2011 and 2012:			
Annual Street Preservation Program-One-Time Project	22,000	-	22,000
6th Street/Central Way Intersection Improvements	(1,602,000)	-	(1,602,000)
Kirkland ITS Implementation Phase I	2,043,000	-	2,043,000
Downtown Pedestrian Safety Improvements - Central Way	16,000	-	16,000
Totem Lake Boulevard Flood Control Measures	117,000	(1,136,200)	(1,019,200)
111th Avenue Non-Motorized/Emergency Access Connection	-	2,000,000	2,000,000
104th Avenue NE/NE 68th Street LWS Walk Route Enhancements	-	8,000	8,000
100th Avenue NE Bicycle Lanes	-	185,000	185,000
Kirkland Intelligent Transportation System Implement. Phase II	-	4,100,000	4,100,000
Annual Concurrency Street Improvements	50,000	(50,000)	-
Finance and HR System Modules	(40,500)	-	(40,500)
Local and Wide Area Networks	(200,000)	-	(200,000)
Local Emergency/Public Communication AM Radio	(119,100)	119,100	-
Eastside Rail Corridor Acquisition	5,000,000	-	5,000,000
Totem Lake Surface Water Opportunity Program	500,000	-	500,000
Forbes Creek Surface Water Opportunity Program	500,000	-	500,000
Totem Lake Area Development Opportunity Program	-	500,000	500,000
Neighborhood Connection Program	(200,000)	-	(200,000)
6th Street/Kirkland Way Traffic Signal	(564,000)	564,000	-
Central Way/Park Place Center Traffic Signal	(200,000)	200,000	-
Lake Washington Blvd/NE 38th Place Intersection Improv.	(500,000)	500,000	-
Central Way/4th Street Intersection Improvements	(31,000)	31,000	-
6th Street/4th Ave Intersection Improvements	(580,000)	580,000	-
NE 85th Street/124th Ave NE Intersection Improvements	(889,000)	889,000	-
Subtotal Changes in 2011-2012	3,322,400	8,489,900	11,812,300
Deferred to 2013:			
Local and Wide Area Networks	200,000	-	200,000
Neighborhood Connection Program	(400,000)	-	(400,000)
Revised 2011-2016 CIP	104,422,800	439,009,900	543,432,700



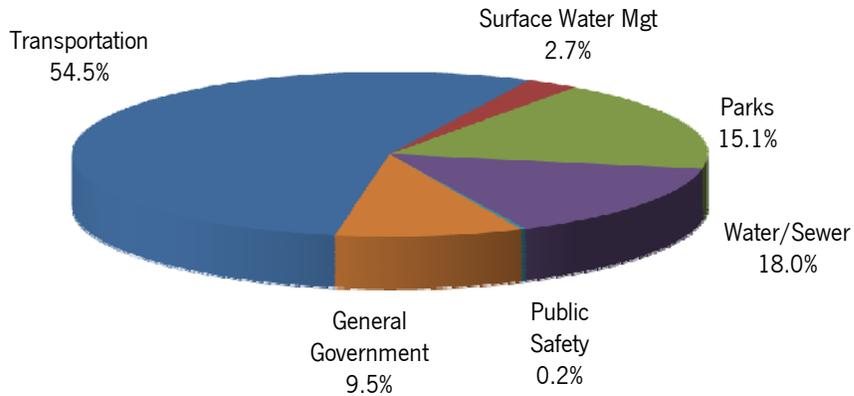


Capital Improvement Program

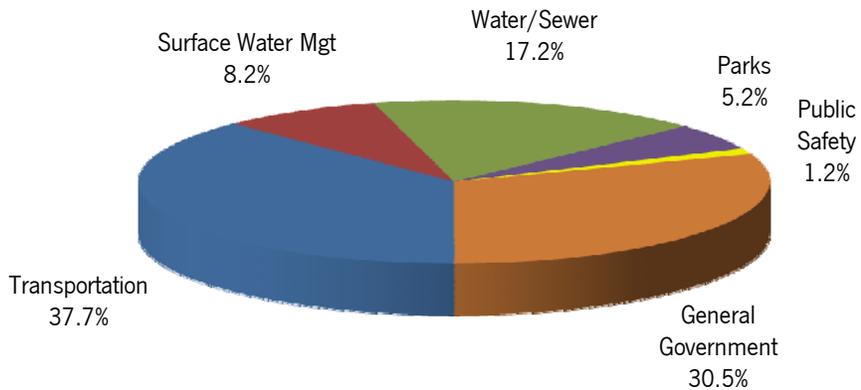
2011-2016



Total Requested - \$543,432,700



Total Funded - \$104,422,800





**City of Kirkland
2011-2016 Capital Improvement Program**

TRANSPORTATION PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-2016 Total	Funding Sources			External Source
										Current Revenue	Reserve	Debt	
ST 0006*	Annual Street Preservation Program		2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	15,000,000	12,424,000	2,576,000		
ST 0006 001	Annual Street Preservation Prog.-One-Time Capital Purchase		500,000						500,000		500,000		1,122,000
ST 0006 002	Annual Street Preservation Program-One-Time Project			1,122,000					1,122,000				
ST 0080	Annual Striping Program		250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	1,500,000	600,000		
ST 8888*	Annual Concurrence Street Improvements		850,000	850,000	800,000	800,000	800,000	800,000	4,050,000	3,450,000			
ST 9999*	Regional Inter-Agency Coordination		40,000	40,000	40,000	40,000	40,000	40,000	240,000	240,000			
NM 0012	Crosswalk Upgrade Program		70,000	70,000	70,000	70,000	70,000	210,000	210,000	210,000			
NM 0057	Annual Sidewalk Maintenance Program		200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000			
NM 0066	12th Avenue Sidewalk	370,000	102,000						102,000		102,000		298,000
NM 0067	Elementary School Walk Route Enhancements	400,000	798,000						798,000	267,000	233,000		5,000,000
NM 0070	Eastside Rail Corridor Trail Acquisition		5,000,000			1,000,000	1,000,000	1,000,000	5,000,000	3,950,000			
NM 8888*	Annual Non-Motorized Program			475,000	950,000				475,000	475,000			
TR 0078*	NE 85th St/132nd Ave NE Intersection Imprv (Phase I)	2,089,400							475,000	475,000			
TR 0080*	NE 85th St/124th Ave NE Intersection Improvements	1,543,300		144,000					144,000	144,000			1,770,000
TR 0100*	6th Street/Central Way Intersection Improvements	1,050,000	970,000	1,000,000					1,970,000	200,000			443,000
TR 0102	Growth & Transportation Efficiency Cntr (GTEC) Enh.	300,000	443,000						443,000				1,800,000
TR 0111	Kirkland ITS Implementation Phase I		2,043,000						2,043,000		243,000		
TR 0112	Downtown Pedestrian Safety Improvements - Central Way		16,000						16,000				16,000
TR 8888*	Annual Concurrence Traffic Improvements				140,000	140,000	140,000	140,000	560,000	560,000			
Total Funded Transportation Projects		5,752,700	12,932,000	6,581,000	4,950,000	4,930,000	5,000,000	4,930,000	39,323,000	24,620,000	4,254,000	0	10,449,000

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

Project Number	Project Title	Budget	Actual	Balance
NM 0066	12th Avenue Sidewalk	370,000	7,910	362,090
NM 0067	Elementary School Walk Route Enhancements	400,000	594	399,406
TR 0078*	NE 85th St/132nd Ave NE Intersection Imprv (Phase I)	2,089,400	373,418	1,715,982
TR 0080*	NE 85th St/124th Ave NE Intersection Improvements	1,543,300	260,049	1,283,251
TR 0100*	6th Street/Central Way Intersection Improvements	1,050,000	14,830	1,035,170
TR 0102	Growth & Transportation Efficiency Cntr (GTEC) Enh.	300,000	0	300,000
Total Prior Year(s) Funding (Budget to Actuals):		5,752,700	656,801	5,095,899

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

**City of Kirkland
2011-2016 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 0057 001*	NE 120th Street Roadway Extension (East Section)	4,659,000
ST 0058^	124th Ave NE Roadway Improvements (North Section)	10,000,000
ST 0060	118th Avenue NE Roadway Extension	6,440,000
ST 0061	119th Avenue NE Roadway Extension	5,640,000
ST 0062	NE 130th Street Roadway Extension	10,000,000
ST 0063^	120th Avenue NE Roadway Widening Imprv (So. Sect'n)	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 Imprvmts	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
NM 0001	116th Ave NE (So. Sect.) Non-Motorz'd Facil-Phase II	6,028,700
NM 0007	NE 52nd Street Sidewalk	1,066,600
NM 0024	Cross Kirkland Trail	6,107,400
NM 0026	NE 90th Street Sidewalk (Phase II)	2,584,200
NM 0030	NE 90th Street / 405 Pedestrian/Bicycle Overpass	3,740,700
NM 0031	Crestwoods Park/BNSFR Ped/Bike Facility	2,505,000
NM 0032^	93rd Avenue Sidewalk	1,047,900
NM 0034 001	NE 100th St. at Spinney Homestead Park Sidewalk Ph. II	430,000
NM 0036^	NE 100th Street Bikeline	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	4,271,200
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	573,100
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 0059^	6th Street Sidewalk	414,600
NM 0061	NE 104th Street Sidewalk	1,763,500
NM 0062	19th Avenue Sidewalk	814,200
NM 0063	Kirkland Way Sidewalk	414,500
NM 0064 001	Park Lane Pedestrian Corridor Enhancements Phase II	1,300,000
NM 0068	104th Av NE/NE 68th St Lkwy Schl. Wlk. Rt. Enhncmnts	359,000
NM 0069	100th Ave NE Bicycle Lanes	185,000
Subtotal Unfunded ST and NM Projects		192,170,400

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 Center Traffic Signal	200,000
TR 0083^	100th Ave NE/NE 132nd Street Intersection Improvements	2,991,000
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 Roundabout Dual Lk 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 0103*	Central Way/4th Street Intersection Improvements	31,000
TR 0104*	6th Street/4th Ave Intersection Improvements	580,000
TR 0105*	Central Way/5th Street Intersection Improvements	564,000
TR 0106*	6th Street/7th Avenue Intersection Improvements	89,400
TR 0107*	Market Street/15th Avenue Intersection Improvements	564,000
TR 0108*	NE 85th Street/124th Ave NE Intersection Improvements	889,000
TR 0109*	Totem Lake Plaza/Totem Lake Blvd Intersection Imprv.	1,500,000
TR 0110*	Totem Lake Plaza/120th Ave NE Intersection Imprv.	1,500,000
TR 0111 001	Kirkland ITS Implementation Phase II	4,100,000
Subtotal Unfunded TR Projects		73,007,800
Total Unfunded Transportation (ST, NM, and TR) Projects		265,178,200
Funding Available from Annual Programs for Candidate Projects		8,560,000
Net Unfunded Transportation Projects		256,618,200

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 Shaded year(s) = Previous timing
 Bold Italics = New projects
 # = Projects to be funded with development-related revenues

**City of Kirkland
2011-2016 Capital Improvement Program**

SURFACE WATER MANAGEMENT UTILITY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-2016 Total	Funding Source			
										Current Revenue	Reserve	Debt	External Source
SD 0047	Annual Replacement of Aging/Failing Infrastructure		200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000			
SD 0051	Forbes Creek/KC Metro Access Road Culvert Enh.	232,200		733,700					733,700				44,000
SD 0053	Forbes Creek/Coors Pond Channel Grade Controls	260,200		570,700		184,200			855,900				
SD 0058	Surface Water Sediment Pond Reclamation Phase II			115,400		114,200			832,800				
SD 0059+	Totem Lake Boulevard Flood Control Measures		117,000						117,000				117,000
SD 0067	NE 129th Place/Juanita Creek Rockery Repair			115,500					338,800				
SD 0072	Totem Lake Surface Water Opportunity Program		500,000						500,000				
SD 0073	Forbes Creek Surface Water Opportunity Program		500,000						500,000				
SD 8888*	Annual Streambank Stabilization Program			57,700		165,800		311,900	835,400				
SD 9999*	Annual Storm Drain Replacement Program			922,600		923,800		350,000	2,670,400				
Total Funded Surface Water Management Utility Projects		492,400	1,317,000	1,512,200	2,330,900	1,588,000	974,000	861,900	8,584,000	8,423,000	0	0	161,000

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 0048*	Cochran Springs / Lake Washington Blvd Crossing Enh.	1,637,100
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 0537	Streambank Stabilization Program – NE 86th Street	640,200
Subtotal Unfunded Surface Water Management Utility Projects		9,469,800
Funding Available from Annual Programs for Candidate Projects		3,505,800
Net Unfunded Surface Water Management Utility Projects		5,964,000

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

Project Number	Project Title	Budget	Actual	Balance
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
Total Prior Year(s) Funding (Budget to Actuals):		492,400	172,239	320,161

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- # = Annual Storm Drain Replacement Program Project Candidates
- Shaded year(s) = Previous timing
- Bold italics = New projects

**City of Kirkland
2011-2016 Capital Improvement Program**

WATER/SEWER UTILITY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-16 Total	Funding Source			
										Current Revenue	Reserve	Debt	External Source
WA 0063+	Supply Station #3 Replacement/Transmission Main Addition		50,000	141,000	50,000				141,000	93,100			47,900
WA 0090	Emergency Sewer Pgm Watermain Replacement Pgm			251,000	798,500	997,000			150,000	150,000			
WA 0102+	104th Ave NE Watermain Replacement			371,300		1,265,300			937,000	937,000			
WA 0116*	132nd Av NE/NE 80th St Watermain Replacement								2,314,800	2,314,800			
WA 0121+	NE 109th Ave/106th Court NE Watermain Replacement								371,300	371,300			
WA 8888*	Annual Watermain Replacement Program							500,000	1,000,000	1,000,000			
WA 9999*	Annual Water Pump Station/System Upgrade Pgm							600,000	1,200,000	1,200,000			
SS 0056	Emergency Sewer Construction Program		1,400,000	680,400	1,400,000	525,000	1,400,000	1,879,700	4,200,000	354,600	4,200,000		2,009,800
SS 0067*	NE 50th Street Sewermain Replacement (Phase II)								2,364,400	576,300			3,265,500
SS 0076*	NE 50th Street Sewermain Replacement (Phase III)								3,841,800	886,000			
SS 8888*	Annual Sanitary Pipeline Replacement Program			886,000					886,000	886,000			
SS 9999*	Annual Sanitary Pump Station/System Upgrade Pgm			530,000					530,000	530,000			
Total Funded Water/Sewer Utility Projects		0	1,450,000	2,859,700	3,407,500	3,061,900	4,177,500	2,979,700	17,956,300	8,413,100	4,200,000	5,275,300	47,900

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 53rd Street Watermain Replacement	450,000
WA 0097*	NE 50th Street Watermain Replacement (Phase III)	1,201,000
WA 0098	126th Ave NE/NE 83rd & 84th St/128th Ave NE Watermain Replcmnt	1,197,000
WA 0103*	NE 113th Place/106th Ave NE Watermain Replacement	841,000
WA 0104	111th Ave NE/NE 62nd St/NE 54th St Watermain Replcmnt	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 46th St/46th/110th/111th Ave NE Watermain Replcmnt	1,303,000
WA 0113	116th Ave NE/NE 70th/NE 80th St Watermain Replcmnt	2,858,000
WA 0118*	112th-114th Avenue NE/NE 67th-68th Street Watermain Replacement	3,360,100
WA 0119	109th Ave NE/111th Way NE Watermain Replacement	2,304,000
WA 0120*	111th Avenue Watermain Replacement	182,000
WA 0122	116th Avenue NE/NE 100th Street Watermain Replacement	1,506,000
WA 0123	NE 91st Street Watermain Replacement	453,000
WA 0124*	NE 97th Street Watermain Replacement	685,000
WA 0126#	North Reservoir Outlet Meter Addition	72,300
WA 0127#	650 Booster Pump Station	1,603,000
WA 0128	106th Ave NE-110th Ave NE/NE 116th St-NE 120th St Watermain Replcmnt	2,395,000
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 0134	5th Avenue S/8th Street S Watermain Replacement	1,420,000
WA 0135	NE 73th 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 0139	6th Street S Watermain Replacement	584,000
WA 0140*	NE 50th Street Watermain Replacement (Phase II)	2,863,000
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 0063*	NE 53rd Street Sewermain Replacement	723,000
SS 0064*	7th Avenue South Sewermain Replacement	804,000
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 0073#	Rose Point Sewer Lift Station Replacement	1,811,000
SS 0077	West Of Market Sewermain Replacement	21,681,000
Subtotal Unfunded Water/Sewer Utility Projects		83,303,900
Funding Available from Annual Programs for Candidate Projects		3,616,000
Net Unfunded Water/Sewer Utility Projects		79,687,900

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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
2011-2016 Capital Improvement Program**

PARK PROJECTS

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-2016 Total	Funding Source		
										Current Revenue	Reserve	Debt
PK 0049	Open Space, PK Land & Trail Acq Grant Match Program		100,000						100,000			
PK 0066*	Park Play Area Enhancements		50,000	50,000	50,000		50,000	50,000	250,000	100,000		
PK 0087*	Waverly Beach Park Renovation	75,000	508,000	162,000					670,000			
PK 0113*	Spinney Homestead Park Renovation		62,000	338,000					400,000			
PK 0115*	Terrace Park Renovation			62,000		338,000			400,000			
PK 0119*	Juanita Beach Park Development	2,700,000	50,000	18,000	1,043,000		50,000	50,000	1,061,000			500,000
PK 0121	Green Kirkland Forest Restoration Program		50,000	50,000		50,000			300,000			
PK 0124*	Snyder's Corner Park Site Development			75,000	13,000	355,000			443,000			
PK 0131	Park and Open Space Acquisition Program	1,071,000	118,000	118,000	118,000	118,000			472,000			472,000
PK 0132	General Park Renovation Program						669,000	696,000	1,365,000			
Total Funded Park Projects		3,846,000	888,000	811,000	1,336,000	861,000	769,000	796,000	5,461,000	100,000	0	972,000

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 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 0122 100	Community Recreation Facility Construction	42,000,000
PK 0125**	Dock Renovations	250,000
PK 0126	Watershed Park Master Planning & Park Development	1,100,000
PK 0127	Kwanis 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
Total Unfunded Park Projects		76,750,000

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

Project Number	Project Title	Budget	Actual	Balance
PK 0087*	Waverly Beach Park Renovation	75,000	0	75,000
PK 0119*	Juanita Beach Park Development	2,700,000	754,137	1,945,863
PK 0131	Park and Open Space Acquisition Program	1,071,000	508,607	562,393
Total Prior Year(s) Funding (Budget to Actuals):		3,846,000	1,262,744	2,583,256

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City of Kirkland
2011-2016 Capital Improvement Program

PUBLIC SAFETY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-2016 Total	Funding Source		
										Current Revenue	Reserve/ Prior Year	Debt
PS 0062*	Defibrillator Unit Replacement		253,900						253,900			40,600
PS 0065*+	Disaster Response Portable Generators		150,000						150,000			150,000
PS 0066	Thermal Imaging Cameras Replacement			133,000					133,000			34,600
PS 0067*	Dive Rescue Equipment Replacement				58,900				58,900			15,300
PS 0071*	Self Contained Breathing Apparatus (SCBA)					305,500	316,100		621,600			161,600
Total Funded Public Safety Projects			0	403,900	58,900	305,500	316,100	0	1,217,400	0	0	402,100

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
2011-16 Capital Improvement Program**

GENERAL GOVERNMENT PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-2016 Total	Funding Source		
										Current Revenue	Reserve/ Prior Year	Debt
TECHNOLOGY												
GG 0006 100*	Geographic Information Systems		150,000	212,200	294,600	327,100	304,100	291,000	1,579,000	1,579,000		
GG 0006 160*	Finance and HR System Modules		121,100	119,000	135,600	153,000	171,600	191,200	891,500	891,500		
GG 0006 205	Municipal Court Technology Projects		25,000	25,000					50,000	50,000		
GG 0006 300*	Local and Wide Area Networks		253,100	723,300	854,900	277,500	440,400	667,800	3,217,000	3,217,000		
GG 0006 301*	Disaster Recovery System Improvement	150,000			64,300	166,300			230,600	230,600		
GG 0006 702**+	Maintenance Management System Upgrade			250,000					250,000	89,400	160,600	
FACILITIES												
GG 0008*	Electrical, Energy Management & Lighting Systems			54,400	24,500	38,000	64,700	16,700	198,300	198,300		
GG 0009*	Mechanical/HVAC Systems Replacements		40,000	6,800	23,100	151,400	15,000	18,500	254,800	254,800		
GG 0010*	Painting, Ceilings, Partition & Window Replacements		69,200	59,400	19,600	60,600	283,400	238,200	730,400	730,400		
GG 0011*	Roofing, Gutter, Siding and Deck Replacements			9,200	9,200	649,300	4,400	2,000	664,900	664,900		
GG 0012*	Flooring Replacements		39,300	27,100	16,000	64,500	50,500	22,600	220,000	220,000		
GG 0035	City Hall & Public Safety Expansion	10,342,000	11,632,800	11,981,800	1,441,800	1,887,700	1,334,100	1,448,000	31,901,100	6,057,500	2,229,000	23,614,600
Total Funded General Government Projects			12,330,500	13,459,000	1,441,800	1,887,700	1,334,100	1,448,000	31,901,100	6,057,500	2,229,000	23,614,600

Unfunded Projects:

Project Number	Project Title	Total
GG 0006 125	Standard Reporting Tool	135,000
GG 0006 130	Customer Relationship Management System	414,000
GG 0006 203	Police CAD & RMS System Replacement	1,400,000
GG 0006 207	Police ProAct Unit NCIC Handheld Computers	52,000
GG 0006 302**	Help Desk Clientele System Replacement	75,000
GG 0006 401	Utility Billing/Cashiering System Replacement	491,700
GG 0006 402	Financial System Replacement	1,500,000
GG 0006 701	Fleet Management Systems Replacement	80,000
GG 0006 702**	Maintenance Management System Upgrade	250,000
GG 0006 801	Parks Work Order System	55,000
GG 0006 803**	Recreation Registration System Replacement	83,000
GG 0006 804	Wireless in the Parks Expansion	335,000
GG 0037 002	Maintenance Center Expansion - Phase 2	15,000,000
Total Unfunded General Government Projects		19,870,700

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

Project Number	Project Title	Budget	Actual	Balance
GG 0006 301	Disaster Recovery System Improvements	150,000	148,965	1,035
GG 0035	City Hall & Public Safety Expansion	10,342,000	25,807	10,316,193
Total Prior Year(s) Funding (Budget to Actuals):		10,492,000	174,772	10,317,228

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Neighborhood Summary



CITY OF KIRKLAND
2011-2016 CIP
Projects by Neighborhood

City-wide		
Project Number	Project Title	Project Start
GG 0006 301	DISASTER RECOVERY SYSTEM IMPROVEMENTS	2007
PK 0131 000	PARK AND OPEN SPACE ACQUISITION PROGRAM	2008
NM 0067 000	ELEMENTARY SCHOOL WALK ROUTE ENHANCEMENTS	2010
GG 0006 205	COURT TECHNOLOGY PROJECTS	2011
NM 0070 000	EASTSIDE RAIL CORRIDOR TRAIL ACQUISITION	2011
PK 0049 000	OPEN SPACE, PARK LAND & TRAIL ACQUISITION GRANT MATCH PROGRAM	2011
PS 0062 000	DEFIBRILLATOR UNIT REPLACEMENT	2011
PS 0065 000	DISASTER RESPONSE PORTABLE GENERATORS	2011
ST 0006 001	ANNUAL ST. PRESERVATION PGM. ONE-TIME CAPITAL PURCHASE	2011
TR 0111 000	KIRKLAND INTELLIGENT TRANSPORTATION SYSTEM IMPLEMENTATION, PHASE I	2011
PS 0066 000	THERMAL IMAGING CAMERAS REPLACEMENT	2012
SS 8888 000	ANNUAL SANITARY PIPELINE REPLACEMENT PROGRAM	2012
SS 9999 000	ANNUAL SANITARY PUMP STATION/SYSTEM UPGRADE PROGRAM	2012
ST 8888 000	ANNUAL CONCURRENCY STREET IMPROVEMENTS	2012
NM 8888 000	ANNUAL NONMOTORIZED PROGRAM	2013
PS 0067 000	DIVE RESCUE EQUIPMENT REPLACEMENT	2013
TR 8888 000	ANNUAL CONCURRENCY TRAFFIC IMPROVEMENTS	2013
PS 0071 000	SELF-CONTAINED BREATHING APPARATUS (SCBA)	2014
PK 0132 000	GENERAL PARK RENOVATION PROGRAM	2015
WA 8888 000	ANNUAL WATERMAIN REPLACEMENT PROGRAM	2015
WA 9999 000	ANNUAL WATER PUMP STATION/SYSTEM UPGRADE PROGRAM	2015
GG 0006 100	GEOGRAPHIC INFORMATION SYSTEMS	Ongoing
GG 0006 160	FINANCE AND HR SYSTEM MODULES	Ongoing
GG 0006 300	LOCAL AND WIDE AREA NETWORKS	Ongoing
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
NM 0012 000	CROSSWALK UPGRADE PROGRAM	Ongoing
NM 0057 000	ANNUAL SIDEWALK MAINTENANCE PROGRAM	Ongoing
PK 0066 000	PARK PLAY AREA ENHANCEMENTS	Ongoing
PK 0121 000	GREEN KIRKLAND FOREST RESTORATION PROGRAM	Ongoing
SD 0047 000	ANNUAL REPLACEMENT OF AGING /FAILING INFRASTRUCTURE	Ongoing
SD 8888 000	ANNUAL STREAMBANK STABILIZATION PROGRAM	Ongoing
SD 9999 000	ANNUAL STORM DRAIN REPLACEMENT PROGRAM	Ongoing

SS 0056 000	EMERGENCY SEWER CONSTRUCTION PROGRAM	Ongoing
ST 0006 000	ANNUAL STREET PRESERVATION PROGRAM	Ongoing
ST 0080 000	ANNUAL STRIPING PROGRAM	Ongoing
ST 9999 000	REGIONAL INTER-AGENCY COORDINATION	Ongoing
WA 0090 000	EMERGENCY SEWER PROGRAM WATERMAIN REPLACEMENT PROGRAM	Ongoing

Everest

Project Number	Project Title	Project Start
SD 0073 000	FORBES CREEK SURFACE WATER OPPORTUNITY PROGRAM	2011

Highlands

Project Number	Project Title	Project Start
PK 0113 000	SPINNEY HOMESTEAD PARK RENOVATION	2011

Lakeview

Project Number	Project Title	Project Start
PK 0115 000	TERRACE PARK RENOVATION	2013

Market

Project Number	Project Title	Project Start
PK 0087 000	WAVERLY BEACH PARK RENOVATION	2010

Moss Bay

Project Number	Project Title	Project Start
TR 0100 000	6TH STREET AND CENTRAL WAY INTERSECTION IMPROVEMENTS	2009
TR 0112 000	DOWNTOWN PEDESTRIAN SAFETY IMPROVEMENTS - CENTRAL WAY	2011

Norkirk

Project Number	Project Title	Project Start
GG 0035 000	CITY HALL & PUBLIC SAFETY EXPANSION	2008
NM 0066 000	12TH AVENUE SIDEWALK	2009

North Juanita

Project Number	Project Title	Project Start
SD 0067 000	NE 129TH PLACE/JUANITA CREEK ROCKERY REPAIR	2012

North Rose Hill

Project Number	Project Title	Project Start
TR 0078 000	NE 85TH STREET/132ND AVENUE NE INTERSECTION IMPROVEMENTS (PHASE I)	2004
TR 0080 000	NE 85TH STREET/124TH AVENUE NE INTERSECTION IMPROVEMENTS	2004
ST 0006 002	ANNUAL STREET PRESERVATION PROGRAM, ONE TIME PROJECT	2012
WA 0063 000	SUPPLY STATION #3 REPLACEMENT AND TRANSMISSION MAIN ADDITION	2012

South Juanita

Project Number	Project Title	Project Start
PK 0119 000	JUANITA BEACH PARK DEVELOPMENT	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
WA 0102 000	104TH AVE NE WATERMAIN REPLACEMENT	2014

South Rose Hill

Project Number	Project Title	Project Start
PK 0124 000	SNYDER'S CORNER PARK SITE DEVELOPMENT	2012
SS 0067 000	NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE 2)	2012
WA 0116 000	132ND AVENUE NE/NE 80TH STREET WATERMAIN REPLACEMENT (PHASE 2)	2012
SS 0076 000	NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE 3)	2014

Totem Lake

Project Number	Project Title	Project Start
SD 0059 000	TOTEM LAKE BOULEVARD FLOOD CONTROL MEASURES	2007
TR 0102 000	GROWTH & TRANSPORTATION EFFICIENCY CENTER (GTEC) ENHANCEMENTS	2010
SD 0072 000	TOTEM LAKE SURFACE WATER OPPORTUNITY PROGRAM	2011



Project Modifications Schedule



**CITY OF KIRKLAND
2011-2016 CIP
PROJECT MODIFICATIONS SCHEDULE**

The Project Modifications Schedule provides a brief explanation of why a project has changed from the previous CIP, in this case the adopted 2009-2014 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 funding was adjusted with the annual project costs for 2011 to 2016 increasing from \$2,000,000 to \$2,500,000 based on available Transportation Benefit District funds; total Project cost changed from \$12,500,000 to \$15,000,000. Funding changes will maintain current asphalt "levels of service."

ST 0059 000 124TH AVENUE NE ROADWAY IMPROVEMENTS (NORTH SECTION)

Project identified as potential candidate for ST 8888 - Annual Concurrency Street Improvements. Total project cost changed from \$8,608,900 to \$10,000,000 based on new construction cost estimates and land costs.

ST 0063 000 120TH AVENUE NE ROADWAY IMPROVEMENTS

Project identified as potential candidate for ST 8888 - Annual Concurrency Street Improvements.

ST 8888 000 ANNUAL CONCURRENCY STREET IMPROVEMENTS

Total costs changed from \$7,593,400 to \$4,050,000 due to reduced levels of average available funding.

ST 9999 000 REGIONAL INTER-AGENCY COORDINATION

Project cost increased from \$150,000 to \$240,000 to be consistent with updated cost estimates.

TRANSPORTATION - Non-Motorized

NM 0032 000 93RD AVENUE NE SIDEWALK

Project identified as potential candidate for NM 8888 - Annual Nonmotorized Program Project.

NM 0036 000 NE 100TH STREET BIKELANE

Project identified as potential candidate for NM 8888 - Annual Nonmotorized Program Project.

NM 0043 000 NE 126TH STREET NON-MOTORIZED FACILITIES

Project identified as potential candidate for NM 8888 - Annual Nonmotorized Program Project.

NM 0046 000 18TH AVENUE WEST SIDEWALK

Project identified as potential candidate for NM 8888 - Annual Nonmotorized Program Project.

NM 0049 000 112TH AVENUE NE SIDEWALK

Project identified as potential candidate for NM 8888 - Annual Nonmotorized Program Project.

NM 0050 000 NE 80TH STREET SIDEWALK

Project identified as potential candidate for NM 8888 - Annual Nonmotorized Program Project.

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

Project identified as potential candidate for NM 8888 - Annual Nonmotorized Program Project.

NM 0054 000 13TH AVENUE SIDEWALK

Project identified as potential candidate for NM 8888 - Annual Nonmotorized Program Project.

NM 0055 000 122ND AVENUE NE SIDEWALK

Total project cost changed from \$2,733,600 to \$866,700 based on new project limits resulting in a reduced scope. Project identified as potential candidate for NM 8888 - Annual Nonmotorized Program Project.

NM 0059 000 6TH STREET SIDEWALK

Project identified as potential candidate for NM 8888 - Annual Nonmotorized Program Project.

NM 8888 000 ANNUAL NONMOTORIZED PROGRAM

Project start delayed until 2013. Total costs changed from \$3,300,000 to \$3,950,000.

**CITY OF KIRKLAND
2011-2016 CIP
PROJECT MODIFICATIONS SCHEDULE**

TRANSPORTATION - Traffic Improvement

- TR 0056 000 NE 85TH STREET HOV QUEUE BYPASS**
Project is subject to anticipated funding through development activities and related revenues.
- TR 0065 000 6TH STREET/KIRKLAND WAY TRAFFIC SIGNAL**
Total project cost changed from \$692,000 to \$564,000 based on new cost estimate. Project is subject to anticipated funding through development activities and related revenues.
- TR 0078 000 NE 85TH STREET/132ND AVENUE NE INTERSECTION IMPROVEMENTS (PHASE I)**
Completion date changed from 2011 to 2012.
- TR 0080 000 NE 85TH STREET/124TH AVENUE NE INTERSECTION IMPROVEMENTS**
Completion date changed from 2011 to 2012.
- TR 0082 000 CENTRAL WAY/PARK PLACE CENTER TRAFFIC SIGNAL**
Project is subject to anticipated funding through development activities and related revenues. Project changed from \$327,900 to \$200,000.
- TR 0083 000 100TH AVENUE NE/NE 132ND STREET INTERSECTION IMPROVEMENTS**
Project identified as potential candidate for TR 8888 - Annual Concurrency Traffic Improvements Program Project. Project is subject to anticipated funding through development activities and related revenues.
- TR 0086 000 NE 70TH STREET/132ND AVENUE NE INTERSECTION IMPROVEMENTS**
Project identified as potential candidate for TR 8888 - Annual Concurrency Traffic Improvements Program Project.
- TR 0088 000 NE 85TH ST/120TH AVE NE INTERSECTION IMPROVEMENTS**
Project identified as potential candidate for TR 8888 - Annual Concurrency Traffic Improvements Program Project.
- TR 0090 000 LAKE WASHINGTON BOULEVARD/NE 38TH PLACE INTERSECTION IMPROVEMENTS**
Project is subject to anticipated funding through development activities and related revenues. Project changed from \$2,948,100 to \$500,000.
- TR 0091 000 NE 124TH ST/124TH AVE NE INTERSECTION IMPROVEMENTS (PHASE III)**
Project moved to candidate project status under TR 8888 - Annual Concurrency Traffic Improvement for budgetary reasons. Total cost changed from \$3,922,600 to \$3,503,300 based on new construction cost estimates.
- TR 0096 000 NE 132ND STREET/124TH AVENUE NE INTERSECTION IMPROVEMENTS**
Project is subject to anticipated funding through development activities and related revenues.
- TR 0098 000 NE 132ND STREET / 116TH WAY NE - TOTEM LAKE BLVD (I-405) INTERSECTION IMPROVEMENTS**
Project is subject to anticipated funding through development activities and related revenues.
- TR 0100 000 6TH STREET AND CENTRAL WAY INTERSECTION IMPROVEMENTS**
Total project cost changed from \$2,050,000 to 3,020,000. The City has received a \$2,000,000 CTED (Community, Trade and Economic Development) grant, however, is still pursuing a \$800,000 EDA (Economic Development Administration) grant.
- TR 8888 000 ANNUAL CONCURRENCY TRAFFIC IMPROVEMENTS**
Project start moved from 2012 to 2013. Costs modified to match estimated annual average funding. Project total changed from \$6,010,600 to \$560,000.

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 0048 000 COCHRAN SPRINGS / LAKE WASHINGTON BLVD CROSSING ENHANCEMENT**
Project cost changed from \$1,627,100 to \$1,637,100 due to revised estimates.
- 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.

**CITY OF KIRKLAND
2011-2016 CIP
PROJECT MODIFICATIONS SCHEDULE**

- 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 0052 000 FORBES CREEK / SLATER AVENUE EMBANKMENT STABILIZATION**
Project identified as potential candidate for SD 8888 - Annual Streambank Stabilization Program Project.
- SD 0054 000 FORBES CREEK / BNSFRR 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 0059 000 TOTEM LAKE BOULEVARD FLOOD CONTROL MEASURES**
Project moved from unfunded to funded status based on availability of King County Opportunity Funds for flood control study in 2011.
- 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 8888 000 ANNUAL STREAMBANK STABILIZATION PROGRAM**
An updated priority ranking of the individual Projects within the description above; total cost change from \$223,500 to \$835,400.
- SD 9999 000 ANNUAL STORM DRAIN REPLACEMENT PROGRAM**
An updated priority ranking of the individual Projects within the description above; total cost change from \$1,846,400 to \$2,670,400.

WATER AND SEWER UTILITIES - Water

- WA 0063 000 SUPPLY STATION #3 REPLACEMENT AND TRANSMISSION MAIN ADDITION**
Project pulled from placeholder Program Project WA 9999 with start date of 2012.
- 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 name changed from "120th Ave NE Watermain Replacement" and remains in unfunded category.
- WA 0102 000 104TH AVE NE WATERMAIN REPLACEMENT**
Project pulled from placeholder Program Project WA 8888 with start date of 2014.
- 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 0116 000 132ND AVENUE NE/NE 80TH STREET WATERMAIN REPLACEMENT (PHASE 2)**
Completion year changed from 2013 to 2014. Project costs change from \$3,832,000 to \$2,314,800 due to new cost estimate.
- WA 0118 000 112TH AVENUE NE-114TH AVENUE NE/NE 67TH STREET-NE 68TH STEET 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 0121 000 NE 109TH STREET/106TH COURT NE WATERMAIN REPLACEMENT**
Project pulled from placeholder Program Project WA 8888 with start date of 2012.
- WA 0124 000 NE 97TH STREET WATERMAIN REPLACEMENT**
Project identified as potential candidate for WA 8888 - Annual Watermain Replacement Program Project.

**CITY OF KIRKLAND
2011-2016 CIP
PROJECT MODIFICATIONS SCHEDULE**

- 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 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 0140 000 NE 80TH STREET WATERMAIN REPLACEMENT PHASE 2**
Project name changed from "NE 85th St/132nd Ave NE Watermain Replacement" and remains in unfunded category.
- WA 8888 000 ANNUAL WATERMAIN REPLACEMENT PROGRAM**
Certain projects within this Program have been removed and assigned a specific year. Project timing and costs have been updated. Project total changed from \$457,600 to \$1,000,000.
- WA 9999 000 ANNUAL WATER PUMP STATION/SYSTEM UPGRADE PROGRAM**
Certain projects within this Program have been removed and assigned a specific year. Project timing and costs have been updated. Project total changed from \$823,600 to \$1,200,000.

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 0063 000 NE 53RD STREET SEWERMAIN REPLACEMENT**
Project identified as potential candidate for SS 8888 - Annual Sanitary Pipeline Replacement Program Project.
- SS 0064 000 7TH AVENUE SOUTH SEWERMAIN REPLACEMENT**
Project identified as potential candidate for SS 8888 - Annual Sanitary Pipeline Replacement Program Project.
- SS 0067 000 NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE 2)**
Total project costs changed from \$7,738,400 to \$2,364,400 due to change in project scope and new cost estimate.
- SS 0073 000 ROSE POINT SEWER LIFT STATION REPLACEMENT**
Project identified as potential candidate for SS 9999 - Annual Sanitary Pump Station/System Upgrade Program Project.
- SS 0076 000 NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE 3)**
Total project costs changed from \$4,877,700 to \$3,841,800 due to new cost estimate. Project start date moved to 2014.
- SS 8888 000 ANNUAL SANITARY PIPELINE REPLACEMENT PROGRAM**
Cost adjustment from \$492,100 to \$886,000 due to funding availability.
- SS 9999 000 ANNUAL SANITARY PUMP STATION/SYSTEM UPGRADE PROGRAM**
Cost adjustment from \$2,686,200 to \$530,000 due to funding availability. The years of 2013 and 2014 were eliminated.

PARKS - Parks

- PK 0066 000 PARK PLAY AREA ENHANCEMENTS**
Overall project budget reduced from \$500,000 to \$250,000 to reflect decreased funding availability. No playgrounds scheduled to be enhanced/replaced in 2014.
- PK 0078 600 A.G. BELL ELEMENTARY PLAYFIELDS IMPROVEMENTS**
Project moved from funded to unfunded due to lack of funding (for both capital and on-going maintenance needs) and uncertainty regarding School District school construction schedule.

**CITY OF KIRKLAND
2011-2016 CIP
PROJECT MODIFICATIONS SCHEDULE**

- PK 0078 800 INTERNATIONAL COMMUNITY SCHOOL PLAYFIELD IMPROVEMENTS**
Project moved from funded to unfunded due to lack of funding (for both capital and on-going maintenance needs) and uncertainty regarding School District school construction schedule.
- PK 0087 000 WAVERLY BEACH PARK RENOVATION**
Project budget reduced from \$1,032,600 to \$745,000 to reflect available funding. Project timing adjusted to show some renovation activities extending into 2012. Due to reduced funding availability, some renovation tasks may need to be deferred to a later phase. Priorities to be determined by Park Board in 2010.
- PK 0113 000 SPINNEY HOMESTEAD PARK RENOVATION**
Project budget reduced from \$740,500 to \$400,000 to reflect reduced funding availability. Renovation priorities will be determined following review by Park Board and via community process. Some renovation tasks may need to be deferred to a later phase.
- PK 0115 000 TERRACE PARK RENOVATION**
Project timing modified to reflect reduced funding availability. Total remains the same.
- PK 0119 000 JUANITA BEACH PARK DEVELOPMENT**
Total project costs were reduced from \$21,961,100 to \$18,512,100 due to revised cost estimates to complete the master plan. Timing of costs were changed to reflect available funding (Phase 2 Project years were adjusted to conform with State grant application deadlines).
- PK 0124 000 SNYDER'S CORNER PARK SITE DEVELOPMENT**
Total project budget reduced from \$1,114,600 to \$1,057,600 to reflect reduced funding availability. Reduced funding will require a phased approach to park development, with components of initial phase determined following completion of the park master plan.
- PK 0125 000 DOCK RENOVATIONS**
Project moved to unfunded due to reduced funding availability. Waverly Beach Park was removed from project as it is anticipated that the dock renovations at Waverly Beach Park will be incorporated into the park renovation project (PK 0087). Total budget increased from \$150,000 to \$250,000 due to expansion of project scope to include additional waterfront parks as noted in the City's updated Shoreline Master Program.

PUBLIC SAFETY - Public Safety

- PS 0062 000 DEFIBRILLATOR UNIT REPLACEMENT**
Inflation rate assumed in revised 2009-2014 CIP over stated cost. Cost changed from \$272,000 to \$253,900.
- PS 0065 000 DISASTER RESPONSE PORTABLE GENERATORS**
Project was funded as part of 2008-13 CIP with general purpose interest income at \$150,000; nothing was spent through June 2009. In June 2009 Council reviewed projects funded but not started and the project was directed to be placed on hold with funding redirected towards the General Fund. A Federal grant has been awarded to fund this project.
- PS 0067 000 DIVE RESCUE EQUIPMENT REPLACEMENT**
Inflation rate assumed in revised 2009-2014 CIP over stated cost. Cost changed from \$63,100 to \$58,900.
- PS 0068 000 LOCAL EMERGENCY AND PUBLIC COMMUNICATION AM RADIO**
Moved from funded to unfunded due to interest revenue shortfall
- PS 0071 000 SELF-CONTAINED BREATHING APPARATUS (SCBA)**
Inflation rate assumed in revised 2009-2014 CIP over stated cost. Cost changed from \$665,900 to \$621,600.

GENERAL GOVERNMENT - Technology

- GG 0006 100 GEOGRAPHIC INFORMATION SYSTEMS**
Project costs changed due to updated cost estimates and adjustments to the project scope.
- GG 0006 160 FINANCE AND HR SYSTEM MODULES**
Project costs changed to reflect current state of upgrades on software and anticipate hardware replacement needs.
- GG 0006 300 LOCAL AND WIDE AREA NETWORKS**
Project costs changed due to updated cost estimates and adjustments to the project scope.
- GG 0006 301 DISASTER RECOVERY SYSTEM IMPROVEMENTS**
Added additional project costs in future years due to lack of available grant resources and the critical nature of this service.

**CITY OF KIRKLAND
2011-2016 CIP
PROJECT MODIFICATIONS SCHEDULE**

GG 0006 302 HELP DESK CLIENTELE SYSTEM REPLACEMENT

Changed to add Phase II to the project. This gives us the ability to better manage changes to the IT environment, to manage "releases" or full sets of approved changes, and provide for ways to better manage and measure our levels of service and the service levels of other vendors (such a cloud vendors). Note that because we don't yet have a system selected, this is a placeholder amount. Project moved from funded to unfunded. Total project budget changed from \$31,000 to \$75,000.

GG 0006 702 MAINTENANCE MANAGEMENT SYSTEM REPLACEMENT

Project moved from unfunded to partially funded and total project cost changed to \$500,000.due to change in scope.

GG 0006 803 RECREATION REGISTRATION SYSTEM REPLACEMENT

System re-evaluated and project moved from 2010 to 2011. Project moved from funded to unfunded. Total Project changed from \$88,900 to \$83,000. Regional solution may become available at a later date.

GENERAL GOVERNMENT - Facilities

GG 0008 000 ELECTRICAL, ENERGY MANAGEMENT AND LIGHTING SYSTEMS

Project timing and costs have been updated in anticipation of the City Hall/Public Safety Expansion project.

GG 0009 000 MECHANICAL/HVAC SYSTEMS REPLACEMENT

Project timing and costs have been updated in anticipation of the City Hall/Public Safety Expansion project.

GG 0010 000 PAINTING, CEILINGS, PARTITION, WINDOW REPLACEMENT

Project timing and costs have been updated in anticipation of the City Hall/Public Safety Expansion project.

GG 0011 000 ROOFING, GUTTER, SIDING AND DECK REPLACEMENTS

Project timing and costs have been updated.

GG 0012 000 FLOORING REPLACEMENTS

Project timing and costs have been updated in anticipation of the City Hall/Public Safety Expansion project.

Maintenance and
Operations Costs and FTE
Schedule



**City of Kirkland
2011-2016 Capital Improvement Program**

Maintenance and Operations Costs and FTE Schedule

Funded Projects:

Project Number	Project Title	2011	2012	2013	2014	2015	2016	2011-2016 Total	FTE
Parks									
PK 0124 000	SNYDER'S CORNER PARK SITE DEVELOPMENT	0	0	0	55,400	0	0	55,400	0.33
Subtotal - Parks		0	0	0	55,400	0	0	55,400	0.33
Public Safety									
PS 0062 000	DEFIBRILLATOR UNIT REPLACEMENT	2,500	0	0	0	0	0	2,500	0.00
Subtotal - Public Safety		2,500	0	0	0	0	0	2,500	0.00
Total Funded Projects Maintenance and Operations Costs; FTEs		2,500	0	0	55,400	0	0	57,900	0.33

City of Kirkland
2011-2016 Capital Improvement Program

Maintenance and Operations Costs and FTE Schedule

Unfunded Projects:

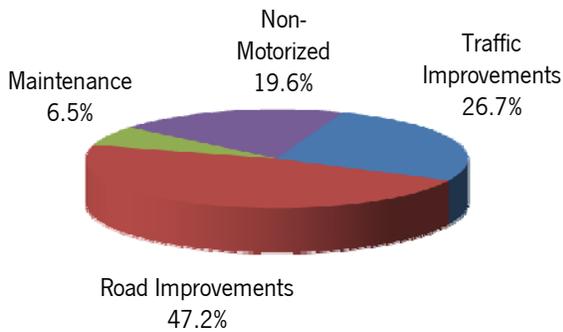
Project Number	Project Title	Maint. and Operations	FTE
Parks			
PK 0078 600	A.G. BELL ELEMENTARY PLAYFIELDS IMPROVEMENTS	50,000	0.50
PK 0078 800	INTERNATIONAL COMMUNITY SCHOOL PLAYFIELD IMPROVEMENTS	50,000	0.50
PK 0086 000	TOTEM LAKE NEIGHBORHOOD PARK ACQUISITION & DEVELOPMENT	50,000	0.50
PK 0095 100	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
Subtotal - Parks		562,000	5.70
Public Safety			
PS 0068 000	LOCAL EMERGENCY AND PUBLIC COMMUNICATION AM RADIO	1,300	0.00
Subtotal - Public Safety		1,300	0.00
Technology			
GG 0006 130	CUSTOMER RELATIONSHIP MANAGEMENT SYSTEM	120,000	1.00
GG 0006 207	POLICE PROACTIVE UNIT NCIC HANDHELD COMPUTERS	4,500	0.00
Subtotal - Technology		124,500	1.00
Total Unfunded Projects Maintenance and Operations Costs; FTEs		687,800	6.70

Transportation

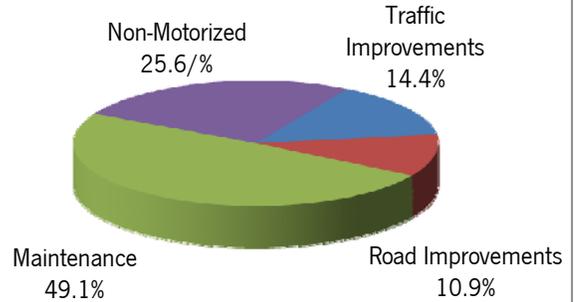
Streets, Non-Motorized and Traffic Improvements



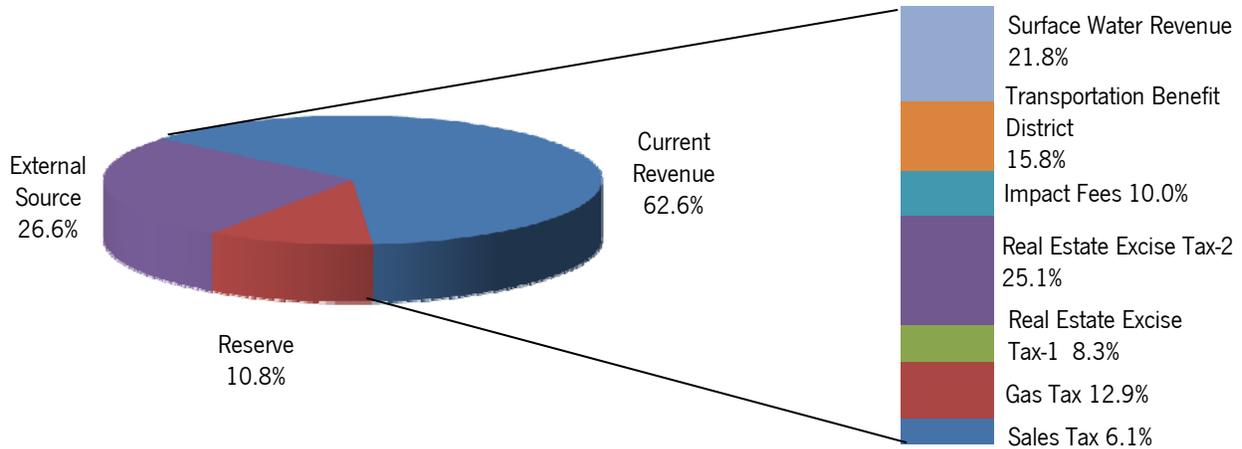
Requested - \$295,941,200



Funded - \$39,323,000



Funding Sources



Transportation Funding - \$39,323,000

Average Annual Current Revenues

- Sales Tax - \$270,000
- Gas Tax - \$560,000
- Real Estate Excise Tax 1 - \$360,000
- Real Estate Excise Tax 2 - \$1,092,000
- Impact Fees - \$350,000
- Surface Water Revenue - \$950,000
- Transportation Benefit Dist. - \$688,000
- Total Average Annual Revenue - \$4,270,000



**City of Kirkland
2011-2016 Capital Improvement Program**

TRANSPORTATION PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-2016 Total	Funding Sources			External Source
										Current Revenue	Reserve	Debt	
ST 0006*	Annual Street Preservation Program		2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	15,000,000	12,424,000	2,576,000		
ST 0006 001	Annual Street Preservation Prog.-One-Time Capital Purchase		500,000	1,122,000					500,000		500,000		1,122,000
ST 0006 002	Annual Street Preservation Program-One-Time Project												
ST 0080	Annual Striping Program		250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	1,500,000	600,000		
ST 8888*	Annual Concurrence Street Improvements		850,000	800,000	800,000	800,000	800,000	800,000	4,050,000	3,450,000			
ST 9999*	Regional Inter-Agency Coordination		40,000	40,000	40,000	40,000	40,000	40,000	240,000	240,000			
NM 0012	Crosswalk Upgrade Program		70,000	70,000	70,000	70,000	70,000	210,000	210,000	210,000			
NM 0057	Annual Sidewalk Maintenance Program		200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000			
NM 0066	12th Avenue Sidewalk	370,000	102,000						102,000		102,000		298,000
NM 0067	Elementary School Walk Route Enhancements	400,000	798,000						798,000	267,000	233,000		5,000,000
NM 0070	Eastside Rail Corridor Trail Acquisition		5,000,000			1,000,000	1,000,000	1,000,000	5,000,000	3,950,000			
NM 8888*	Annual Non-Motorized Program			475,000	950,000				475,000	475,000			
TR 0078*	NE 85th St/132nd Ave NE Intersection Imprv (Phase I)	2,089,400							475,000	475,000			1,770,000
TR 0080*	NE 85th St/124th Ave NE Intersection Improvements	1,543,300		144,000					144,000	144,000			443,000
TR 0100*	6th Street/Central Way Intersection Improvements	1,050,000	970,000	1,000,000					1,970,000	200,000			
TR 0102	Growth & Transportation Efficiency Cntr (GTEC) Enh.	300,000	443,000						443,000				1,800,000
TR 0111	Kirkland ITS Implementation Phase I		2,043,000						2,043,000		243,000		
TR 0112	Downtown Pedestrian Safety Improvements - Central Way		16,000						16,000				16,000
TR 8888*	Annual Concurrence Traffic Improvements				140,000	140,000	140,000	140,000	560,000	560,000			
Total Funded Transportation Projects		5,752,700	12,932,000	6,581,000	4,950,000	4,930,000	5,000,000	4,930,000	39,323,000	24,620,000	4,254,000	0	10,449,000

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

Project Number	Project Title	Budget	Actual	Balance
NM 0066	12th Avenue Sidewalk	370,000	7,910	362,090
NM 0067	Elementary School Walk Route Enhancements	400,000	594	399,406
TR 0078*	NE 85th St/132nd Ave NE Intersection Imprv (Phase I)	2,089,400	373,418	1,715,982
TR 0080*	NE 85th St/124th Ave NE Intersection Improvements	1,543,300	260,049	1,283,251
TR 0100*	6th Street/Central Way Intersection Improvements	1,050,000	14,830	1,035,170
TR 0102	Growth & Transportation Efficiency Cntr (GTEC) Enh.	300,000	0	300,000
Total Prior Year(s) Funding (Budget to Actuals):		5,752,700	656,801	5,095,899

Notes:

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- Shaded year(s) = Previous timing
- Bold italics = New projects

**City of Kirkland
2011-2016 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 0057 001^	NE 120th Street Roadway Extension (East Section)	4,659,000
ST 0058^	124th Ave NE Roadway Improvements (North Section)	10,000,000
ST 0060	118th Avenue NE Roadway Extension	6,440,000
ST 0061	119th Avenue NE Roadway Extension	5,640,000
ST 0062	NE 130th Street Roadway Extension	10,000,000
ST 0063^	120th Avenue NE Roadway Widening Imprv (So. Sect'n)	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 Imprvmts	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
NM 0001	116th Ave NE (So. Sect.) Non-Motorz'd Facil/Phase II	6,028,700
NM 0007	NE 52nd Street Sidewalk	1,066,600
NM 0024	Cross Kirkland Trail	6,107,400
NM 0026	NE 90th Street Sidewalk (Phase II)	2,584,200
NM 0030	NE 90th Street / 405 Pedestrian/Bicycle Overpass	3,740,700
NM 0031	Crestwoods Park/BNSFR Ped/Bike Facility	2,505,000
NM 0032^	93rd Avenue Sidewalk	1,047,900
NM 0034 001	NE 100th St. at Spinney Homestead Park Sidewalk Ph. II	430,000
NM 0036^	NE 100th Street Bikeline	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	4,271,200
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	573,100
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 0059^	6th Street Sidewalk	414,600
NM 0061	NE 104th Street Sidewalk	1,763,500
NM 0062	19th Avenue Sidewalk	814,200
NM 0063	Kirkland Way Sidewalk	414,500
NM 0064 001	Park Lane Pedestrian Corridor Enhancements Phase II	1,300,000
NM 0068	104th Ave NE/NE 68th St Lkwy Schl. Wlk. Rt. Enhncmnts	359,000
NM 0069	100th Ave NE Bicycle Lanes	185,000
Subtotal Unfunded ST and NM Projects		192,170,400

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 Center Traffic Signal	200,000
TR 0083^	100th Ave NE/NE 132nd Street Intersection Improvements	2,991,000
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 Roundabout Dual Lk 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 0103*	Central Way/4th Street Intersection Improvements	31,000
TR 0104*	6th Street/4th Ave Intersection Improvements	580,000
TR 0105*	Central Way/5th Street Intersection Improvements	564,000
TR 0106*	6th Street/7th Avenue Intersection Improvements	89,400
TR 0107*	Market Street/15th Avenue Intersection Improvements	564,000
TR 0108*	NE 85th Street/124th Ave NE Intersection Improvements	889,000
TR 0109*	Totem Lake Plaza/Totem Lake Blvd Intersection Imprv.	1,500,000
TR 0110*	Totem Lake Plaza/120th Ave NE Intersection Imprv.	1,500,000
TR 0111 001	Kirkland ITS Implementation Phase II	4,100,000
Subtotal Unfunded TR Projects		73,007,800
Total Unfunded Transportation (ST, NM, and TR) Projects		265,178,200
Funding Available from Annual Programs for Candidate Projects		8,560,000
Net Unfunded Transportation Projects		256,618,200

Notes:

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- Bold Italics = New projects
- # = Projects to be funded with development-related revenues

**CITY OF KIRKLAND
2011-2016 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 150 miles of asphalt streets. The annual program ensures maintenance of this infrastructure and reduces costly repairs resulting from total road failure.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$15,000,000	\$0	\$15,000,000

ST 0006 001 ANNUAL ST. PRESERVATION PGM. ONE-TIME CAPITAL PURCHASE

City-wide Purchase of street maintenance asphalt milling machine approved by Council at their regular meeting of February 16, 2010, as presented in the Street Maintenance Strategies memo of February 10, 2010. The purchase of the milling machine will result in better efficiencies, higher production, and lower overall costs in street maintenance, all in order to stabilize and/or increase the overall pavement quality in the City.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2011	\$0	\$500,000	\$0	\$500,000

ST 0006 002 ANNUAL STREET PRESERVATION PROGRAM, ONE TIME PROJECT

North Rose Hill The grind and overlay of NE 85th Street (formerly SR 908) coincident with intersection, roadway and other improvements associated with CIP projects NM 0051, ST 0075, TR 0078, and TR 0080. Funds became available through the State Department of Transportation (WSDOT) as a result of the recent jurisdictional transfer of SR908 from the WSDOT to the City of Kirkland.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$1,122,000	\$0	\$1,122,000

ST 0080 000 ANNUAL STRIPING PROGRAM

City-wide Annual program to maintain markings that identify travel lanes and other guidance markings for auto, pedestrian, bicycle, transit and other forms of transportation. The program will result in the restriping of more than 30 miles of collector and arterial streets throughout the City. Funding from the Capital Improvement Program.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,500,000	\$0	\$1,500,000

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 0057 001 - NE 120th Street Roadway Extension (East Section) Phase II, 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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$4,050,000	\$0	\$4,050,000

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, various Metro/Sound Transit projects and the Downtown Transit Center, etc.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$240,000	\$0	\$240,000

**CITY OF KIRKLAND
2011-2016 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 Non-Motorized Transportation Plan identified the need for improved pedestrian crossing in the City's pedestrian system.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$210,000	\$0	\$210,000

NM 0057 000 ANNUAL SIDEWALK MAINTENANCE PROGRAM

City-wide
Preservation of sidewalk system. The Public Works Department is responsible for approximately 200 miles of sidewalk. The annual program ensures maintenance of this infrastructure and reduces costly repairs resulting from total failure.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,200,000	\$0	\$1,200,000

NM 0066 000 12TH AVENUE SIDEWALK

Norkirk
The project will design and construct approximately 780 linear feet of curb, gutter and sidewalk with a planter strip along the north side of 12th Avenue from 6th Street to the back entrance of Peter Kirk Elementary School located on 110th Ave. NE. The proposed sidewalk will capitalize on areas where sidewalk has already been constructed with prior development. The proposed concrete sidewalk will be 5 feet wide and will be separated from the edge of the travel lane by a 4.5 foot planter strip and 0.5 foot wide concrete curb (totaling 5 feet). Some storm drain improvements will be required as the proposed sidewalk crosses two existing culverts. These culverts will need to be either extended or replaced. The corner of 12th Avenue and 110th Avenue NE will be modified slightly to meet City standards and increase safety for those traveling around the corner.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2009	\$370,000	\$102,000	\$0	\$472,000

NM 0067 000 ELEMENTARY SCHOOL WALK ROUTE ENHANCEMENTS

City-wide
The project will design and construct curb, gutter and sidewalk, with a planter strip where possible, along designated school walk routes throughout the City. The proposed sidewalks will capitalize on areas where sidewalk has already been constructed with prior development. The proposed concrete sidewalk will be 5 feet wide and will be separated from the edge of the travel lane by a 4.5 foot planter strip and 0.5 foot wide concrete curb (totaling 5 feet). The project will also purchase a portable radar trailer to inform motorists of their speed. Total project cost includes State grant funding of \$498,000.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2010	\$400,000	\$798,000	\$0	\$1,198,000

NM 0070 000 EASTSIDE RAIL CORRIDOR TRAIL ACQUISITION

City-wide
The acquisition of the former BSNFRR corridor for use as a multi-use trail, as one of Kirkland's highest priority non-motorized transportation projects (Goal G1 of the Active Transportation Plan), with the addition of possible future light rail and multiple utility uses. The right-of-way provides unprecedented opportunities as it is flat and cuts through the center of Kirkland, connecting Totem Lake, Downtown and Houghton with connections to the street system through at-grade crossings.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2011	\$0	\$5,000,000	\$0	\$5,000,000

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 0055 - 122nd Ave NE Sidewalk, NM 0059- 6th Street Sidewalk, NM 0054 - 13th Ave Sidewalk, NM 0049 - 112th Ave NE Sidewalk, NM 0043 - NE 126th St Non-Motorized Facilities, NM 0036 - NE 100th Street Bikelane, NM 0032 - 93rd Ave Sidewalk, NM 0050 - NE 80th St Sidewalk, NM 0053 - NE 112th St Sidewalk, NM 0046 - 18th Ave W Sidewalk.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$3,950,000	\$0	\$3,950,000

**CITY OF KIRKLAND
2011-2016 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

TRANSPORTATION - Traffic Improvement

TR 0078 000 NE 85TH STREET/132ND AVENUE NE INTERSECTION IMPROVEMENTS (PHASE I)

North Rose Hill Extend the southbound to eastbound left-turn lane pocket. Construct a northbound to eastbound right-turn lane, and extend the westbound to northbound right-turn lane (by Redmond). Sound Transit has contributed \$860,000 towards the cost of the westbound right-turn lane.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2004	\$2,089,400	\$475,000	\$0	\$2,564,400

TR 0080 000 NE 85TH STREET/124TH AVENUE NE INTERSECTION IMPROVEMENTS

North Rose Hill Construct two eastbound to northbound left-turn lanes as part of a Sound Transit Route 540 corridor improvement. The installation of a northbound 124th Ave NE taper will provide for a bikelane, wide planter strip with landscaping, and a new sidewalk.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2004	\$1,543,300	\$144,000	\$0	\$1,687,300

TR 0100 000 6TH STREET AND CENTRAL WAY INTERSECTION IMPROVEMENTS

Moss Bay Install multiple upgrades to the existing signalized intersection. Phase I began in 2009, and will result in signal improvements, water main upgrade, concrete roadway, pedestrian and bicycle lane improvements, and illumination at the intersection of 6th Street and Central Way. Phase II will result in a new signature "Gateway" to the Central Downtown area of Kirkland, and frontage improvements on 6th Street, additional travel lanes, a bicycle lane, and pedestrian improvements. This project is seeking external funding, and will tie in with TR 0104 (6th Street & 4th Avenue Intersection Improvements).

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2009	\$1,050,000	\$1,970,000	\$0	\$3,020,000

TR 0102 000 GROWTH & TRANSPORTATION EFFICIENCY CENTER (GTEC) ENHANCEMENTS

Totem Lake The City has been awarded a Federal grant (CMAQ - Congestion, Mitigation and Air Quality) of \$686,000 to implement GTEC (Growth & Transportation Efficiency Center) enhancements for employers with less than 50 individuals. The project will involve capital-related and non-capital items, but is being placed in the CIP due to the large Federal grant and the \$57,000 matching funds needed.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2010	\$300,000	\$443,000	\$0	\$743,000

TR 0111 000 KIRKLAND INTELLIGENT TRANSPORTATION SYSTEM IMPLEMENTATION, PHASE I

City-wide Installation of Traffic signal upgrades on designated ITS corridors, CCTV, TSP, Traffic Management Center (TMC), fiber optic communication to link corridors to TMC, communication network expansion.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2011	\$0	\$2,043,000	\$0	\$2,043,000

TR 0112 000 DOWNTOWN PEDESTRIAN SAFETY IMPROVEMENTS - CENTRAL WAY

Moss Bay Installation of Countdown Pedestrian Signals (CPS) at the intersections of Lake St/Central Way, 3rd St/Central Way, and 6th St/Central Way

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2011	\$0	\$16,000	\$0	\$16,000

TR 8888 000 ANNUAL CONCURRENCY TRAFFIC IMPROVEMENTS

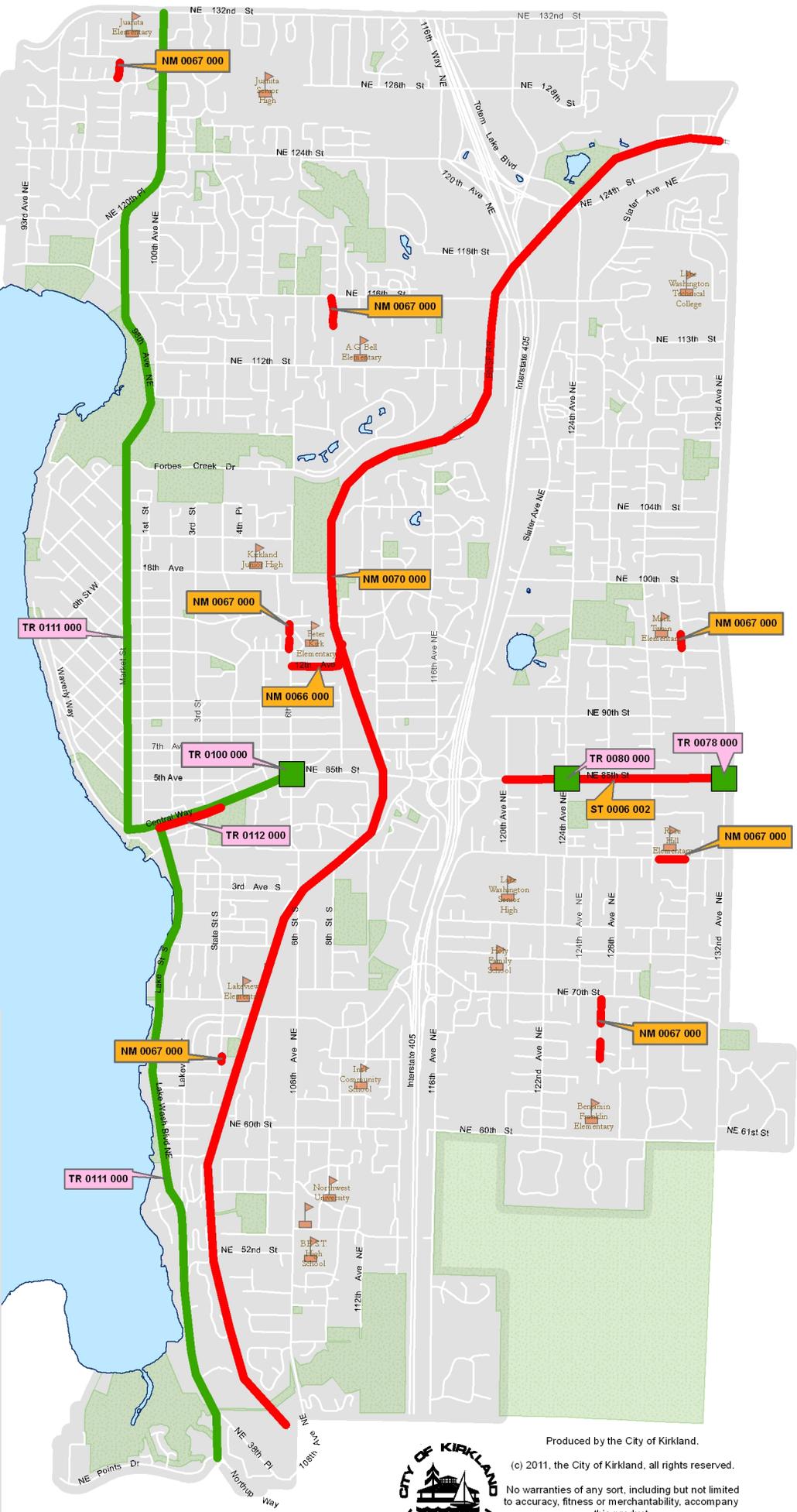
City-wide The construction and re-construction of city intersections to meet concurrency needs to help the City attain the 2022 level of service standards established in the Comprehensive Plan. Candidate projects under this annual program include: TR 0083 -100th Ave NE/NE 132nd Street Intersection Improvements, 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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$560,000	\$0	\$560,000



Funded Transportation CIP

- Project Locations**
- ST 0006 002 - Annual Street Preservation NE 85th St
 - NM 0066 000 - 12th Ave Sidewalk
 - NM 0067 000 - Elem School Walk Route Enhancements
 - NM 0070 000 - Eastside Rail Corridor Trail Acquisition
 - TR 0078 000 - NE 85th St/132nd Ave NE Intersection Improvements
 - TR 0080 000 - NE 85th St/124th Ave NE Intersection Improvements
 - TR 0100 000 - 8th St/Central Way Intersection Improvements
 - TR 0111 000 - Kirkland Intelligent Transportation System Implementation Phase 1
 - TR 0112 000 - Downtown Pedestrian Safety Improvements - Central Way
- Projects with various locations**
- ST 0006 000 - Annual Street Preservation Program
 - 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 8888 - Annual Non-Motorized Program
 - TR 8888 - Annual Concurrency Traffic Improvements
- Legend**
- Capacity Project
 - Non-Capacity Project
 - Parks
 - Schools



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Unfunded Transportation CIP

Project Locations

- ST 0055 000 - 98th Ave NE Bridge Replacements
- ST 0056 000 - 132nd Ave NE Roadway Improvements
- ST 0057 001*- NE 120th St Roadway Extension (East Section)
- ST 0059 000*- 124th Ave NE Roadway Improvements (North Section)
- ST 0060 000 - 118th Ave NE Roadway Extension
- ST 0061 000 - 119th Ave NE Roadway Extension
- ST 0062 000 - NE 130th St Roadway Extension
- ST 0063 000*- 120th Ave NE Roadway Improvements
- ST 0064 000 - 124th Ave NE Roadway Widening Improvements (South Section)
- ST 0070 000 - 120th Ave NE/Totem Lake Plaza Roadway Improvements
- ST 0072 000 - NE 120th St Roadway Improvements (West Section)
- ST 0073 000 - 120th Ave NE Roadway Extension
- ST 0077 000 - NE 132nd St Roadway Improvement - Phase I (West Section)
- ST 0078 000 - NE 132nd St Roadway Improvement - Phase II (Mid Section)
- ST 0079 000 - NE 132nd St Roadway Improvement - Phase III (East Section)
- ST 0081 000 - Totem Lake Area Development Opportunity Program (Totem Lake Neighborhood)
- NM 0001 000 - 116th Ave NE (South Section) Non-Motorized Facility - Phase II
- NM 0007 000 - NE 52nd St Sidewalk
- NM 0024 000 - Cross Kirkland Trail
- NM 0026 000 - NE 90th St Sidewalk (Phase II)
- NM 0030 000 - NE 90th St /I-405 Pedestrian/Bicycle Overpass
- NM 0031 000 - Crestwoods Park/Burlington Northern Santa Fe Railroad Ped/Bike Facility
- NM 0032 000*- 93rd Ave NE Sidewalk
- NM 0034 001 - NE 100th St At Spinney Homestead Park Sidewalk Phase II
- NM 0036 000*- NE 100th St Bikeway
- NM 0037 000 - 130th Ave NE Sidewalk
- NM 0041 000 - Forbes Valley Pedestrian Facility
- NM 0043 000*- NE 128th St Non-Motorized Facilities
- NM 0045 000 - NE 95th St Sidewalk (Highlands)
- NM 0046 000*- 18th Ave W Sidewalk
- NM 0047 000 - 116th Ave NE Sidewalk (South Rose Hill)
- NM 0048 000 - NE 60th St Sidewalk
- NM 0049 000*- 112th Ave NE Sidewalk
- NM 0050 000*- NE 80th St Sidewalk
- NM 0053 000*- NE 112th St Sidewalk
- NM 0054 000*- 13th Ave Sidewalk(Phase II)
- NM 0055 000*- 122nd Ave NE Sidewalk
- NM 0056 000 - NE 90th St Sidewalk (Phase I)
- NM 0058 000 - 111th Ave Non-Motorized/Emergency Access Connection
- NM 0059 000*- 6th St Sidewalk
- NM 0061 000 - NE 104th St Sidewalk
- NM 0062 000 - 19th Ave Sidewalk
- NM 0063 000 - Kirkland Way Sidewalk
- NM 0064 001 - Park Ln Pedestrian Corridor Enhancements Ph II
- NM 0068 000 - 104th Ave NE/NE 68th St Lakeview School Walk Route Enhancement
- NM 0069 000 - 100th Ave NE Bicycle Lanes
- TR 0056 000 - NE 85th St HOV Queue Bypass
- TR 0057 000 - NE 124th St HOV Queue Bypass
- TR 0065 000 - 6th St/Kirkland Way Traffic Signal
- TR 0067 000 - Kirkland Way/Burlington Northern Santa Fe Railroad Abutment/Intersection Improvements
- TR 0068 000 - Lake Wash Blvd HOV Queue Bypass
- TR 0072 000 - NE 116th St Eastbound HOV Queue Bypass
- TR 0073 000 - NE 70th St Eastbound HOV Queue Bypass
- TR 0074 000 - NE 85th St Westbound HOV Queue Bypass
- TR 0075 000 - NE 124th St Westbound HOV Queue Bypass
- TR 0082 000 - Central Way/Park Pl Center Traffic Signal
- TR 0083 000*- 100th Ave NE/NE 132nd St Intersection Improvements
- TR 0084 000 - 100th Ave NE/NE 124th St Intersection Improvements
- TR 0086 000*- NE 70th St/132nd Ave NE Intersection Improvements
- TR 0088 000*- NE 85th St/120th Ave NE Intersection Improvements
- TR 0089 000 - NE 85th St/132nd Ave NE Intersection Improvements (Phase II)
- TR 0090 000 - Lake Wash Blvd/NE 38th Pl Intersection Improvements
- TR 0091 000*- NE 124th St/124th Ave NE Intersection Improvements
- TR 0092 000 - NE 116th St/124th Ave NE N-Bound Dual Left Turn Lanes
- TR 0093 000 - NE 132nd St / Juanita H.S. Access Road Intersection Improvements
- TR 0094 000 - NE 132nd St / 108th Ave NE Intersection Improvements
- TR 0095 000 - NE 132nd St / Fire Station Access Drive Intersection Improvements
- TR 0096 000 - NE 132nd St / 124th Ave NE Intersection Improvements
- TR 0097 000 - NE 132nd St / 132nd Ave NE Intersection Improvements
- TR 0098 000 - NE 132nd St / 116th Way NE (I-405) Intersection Improvements
- TR 0099 000 - 120th Ave / Totem Lake Way Intersection Improvements
- TR 0103 000 - Central Way/4th St Intersection Improvements
- TR 0104 000 - 6th St/4th Ave Intersection Improvements
- TR 0105 000 - Central Way/5th St Intersection Improvements
- TR 0106 000 - 6th St / 7th Ave Intersection Improvements
- TR 0107 000 - Market St / 15th Ave Intersection Improvements
- TR 0108 000 - NE 85th St/124th Ave NE Intersection Improvements
- TR 0109 000 - Totem Lake Plaza /Totem Lake Blvd Intersection Improvements
- TR 0110 000 - Totem Lake Plaza/120th Ave NE Intersection Improvements
- TR 0111 001 - Kirkland Intelligent Transportation System Implementation Phase II

Legend

- █ Capacity Project
- █ Non-Capacity Project
- Parks
- Schools
- ^ Annual Program Project Candidates



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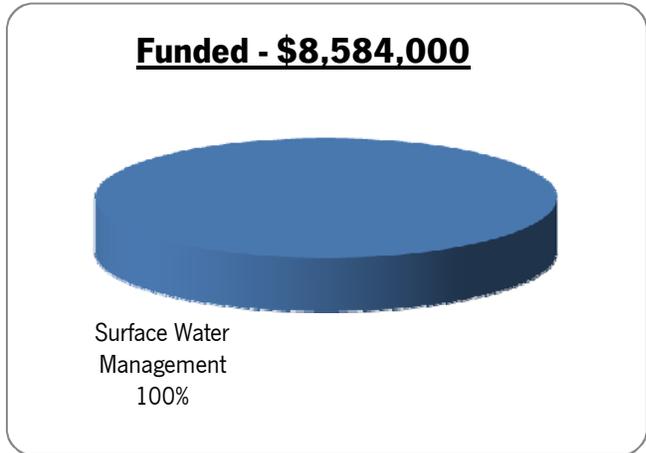
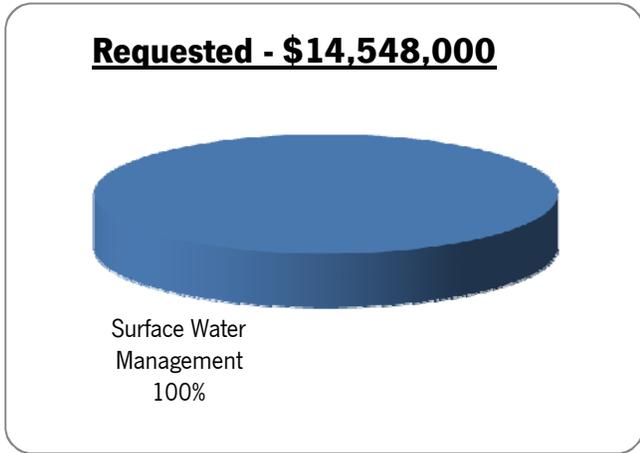
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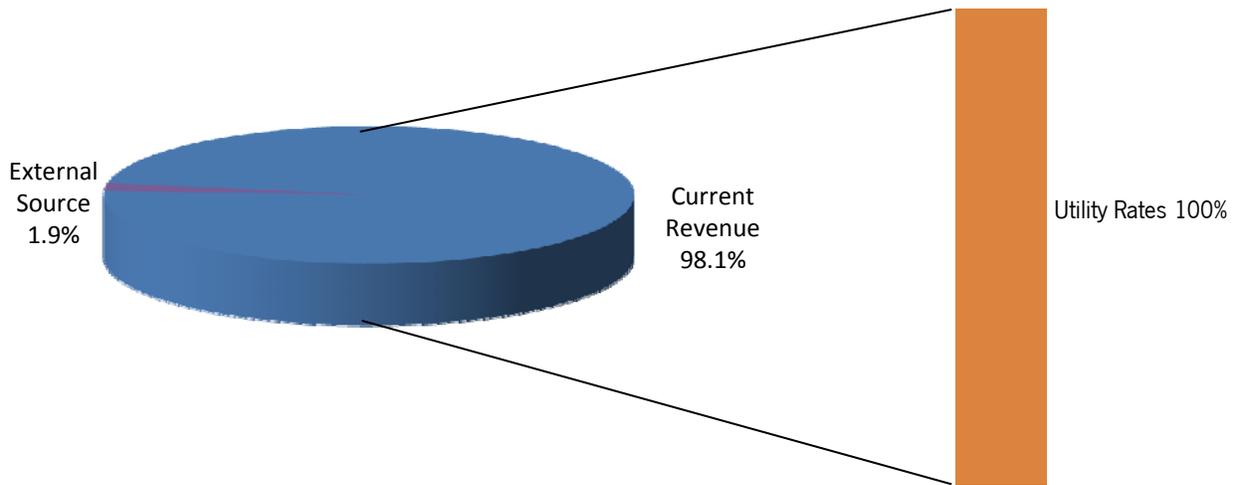
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Surface Water Management Utility



Funding Sources



Surface Water Management Utility Funding - \$8,584,000

Average Annual Current Revenues
 Utility Rates – \$1,588,000
 Total Average Annual Revenue – \$1,588,000



**City of Kirkland
2011-2016 Capital Improvement Program**

SURFACE WATER MANAGEMENT UTILITY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-2016 Total	Funding Source			
										Current Revenue	Reserve	Debt	External Source
SD 0047	Annual Replacement of Aging/Failing Infrastructure		200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000			
SD 0051	Forbes Creek/KC Metro Access Road Culvert Enh.	232,200		733,700					733,700				44,000
SD 0053	Forbes Creek/Coors Pond Channel Grade Controls	260,200		570,700		184,200			855,900				
SD 0058	Surface Water Sediment Pond Reclamation Phase II			115,400		114,200			832,800				
SD 0059+	Totem Lake Boulevard Flood Control Measures		117,000						117,000				117,000
SD 0067	NE 129th Place/Juanita Creek Rockery Repair			115,500					338,800				
SD 0072	Totem Lake Surface Water Opportunity Program		500,000						500,000				
SD 0073	Forbes Creek Surface Water Opportunity Program		500,000						500,000				
SD 8888*	Annual Streambank Stabilization Program			57,700		165,800		311,900	835,400				
SD 9999*	Annual Storm Drain Replacement Program			922,600		923,800		350,000	2,670,400				
Total Funded Surface Water Management Utility Projects		492,400	1,317,000	1,512,200	2,330,900	1,588,000	974,000	861,900	8,584,000	8,423,000	0	0	161,000

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 0048*	Cochran Springs / Lake Washington Blvd Crossing Enh.	1,637,100
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 0537	Streambank Stabilization Program – NE 86th Street	640,200
Subtotal Unfunded Surface Water Management Utility Projects		9,469,800
Funding Available from Annual Programs for Candidate Projects		3,505,800
Net Unfunded Surface Water Management Utility Projects		5,964,000

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

Project Number	Project Title	Budget	Actual	Balance
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
Total Prior Year(s) Funding (Budget to Actuals):		492,400	172,239	320,161

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



**CITY OF KIRKLAND
2011-2016 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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,200,000	\$0	\$1,200,000

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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2006	\$232,200	\$733,700	\$0	\$965,900

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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2006	\$260,200	\$855,900	\$0	\$1,116,100

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

South Juanita 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. Phase I of the Sediment Pond reclamation project took place in 2004/2005. Project may include additional planting along Juanita Creek.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$832,800	\$0	\$832,800

SD 0059 000 TOTEM LAKE BOULEVARD FLOOD CONTROL MEASURES

Totem Lake Totem Lake Boulevard floods during mid-to-large storms several times per year. Further evaluation of the storm drainage system in the area is warranted with various options being investigated and identified prior to implementing improvements. This project will reduce the frequency and magnitude of flooding on Totem Lake Boulevard.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2007	\$82,400	\$117,000	\$936,800	\$1,136,200

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

North Juanita Repair streambank rockery damaged during the December 2007 Storm.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$338,800	\$0	\$338,800

SD 0072 000 TOTEM LAKE SURFACE WATER OPPORTUNITY PROGRAM

Totem Lake

Establishing a new project that adds \$500,000 in surface water utility revenue identified for surface water projects in the Totem Lake area that would utilize the right-of-way offered by the acquisition of the Eastside Rail Corridor Trail Acquisition.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2011	\$0	\$500,000	\$0	\$500,000

SD 0073 000 FORBES CREEK SURFACE WATER OPPORTUNITY PROGRAM

Everest

Establishing a new project that adds \$500,000 in surface water utility revenue identified for surface water projects in the area of Forbes Creek that would utilize the right-of-way offered by the acquisition of the Eastside Rail Corridor Trail Acquisition.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2011	\$0	\$500,000	\$0	\$500,000

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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$835,400	\$0	\$835,400

SD 9999 000 ANNUAL STORM DRAIN 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 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/BNSFRR Fish Passage Improvements.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$2,670,400	\$0	\$2,670,400

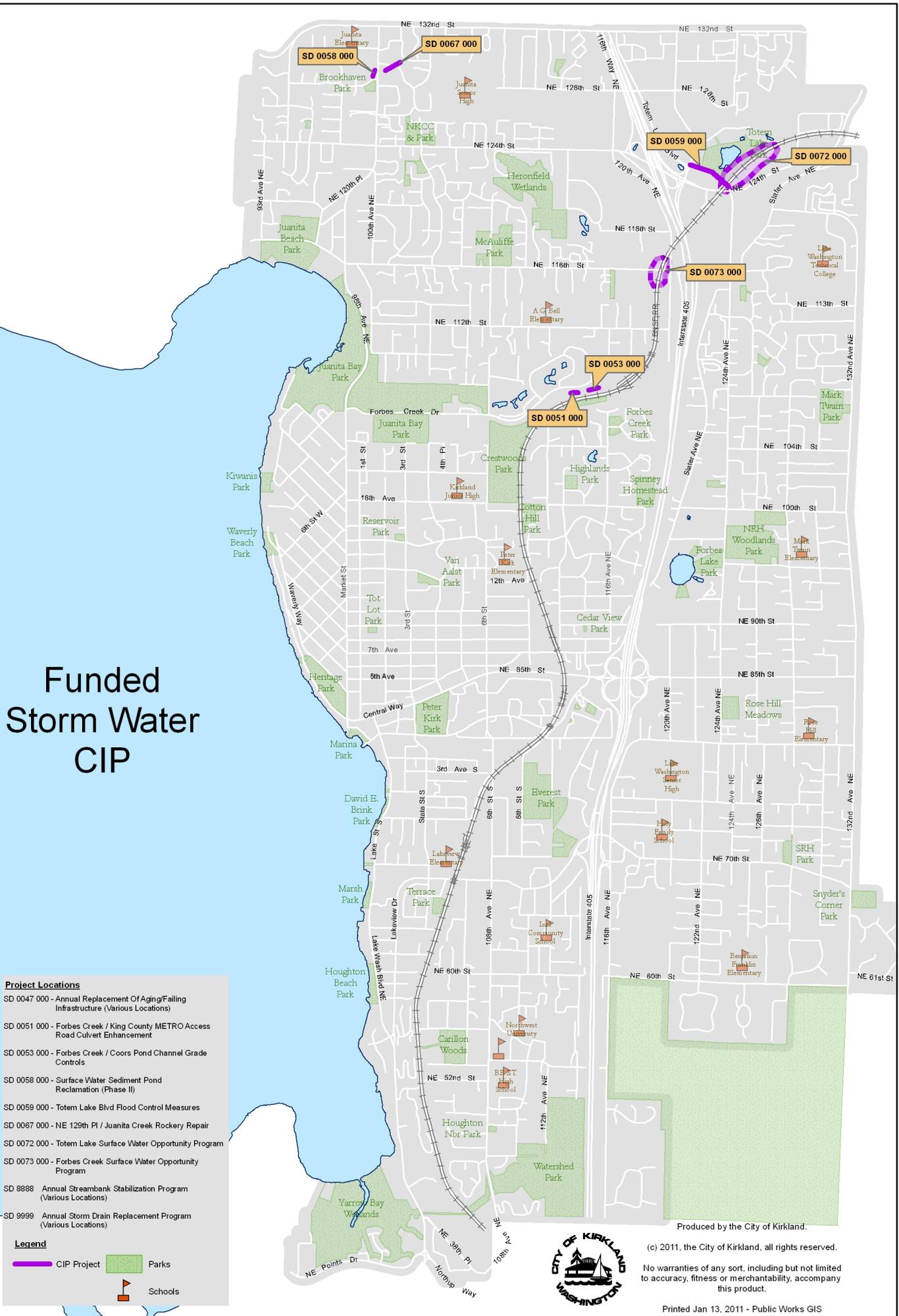
Funded Storm Water CIP

Project Locations

- SD 0047 000 - Annual Replacement of Aging/Failing Infrastructure (Various Locations)
- 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 0072 000 - Totem Lake Surface Water Opportunity Program
- SD 0073 000 - Forbes Creek Surface Water Opportunity Program
- 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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Unfunded Storm Water CIP

Project Locations

- SD 0045 000*- Carillon Woods Erosion Control Measures
- SD 0048 000 - Cochran Springs / Lake Washington Blvd Crossing Enhancement
- SD 0049 000#- Forbes Creek/ 108th Ave NE Fish Passage Improvements
- SD 0050 000#- NE 95th St / NE 126th Ave NE Flood Control Measures
- SD 0052 000 - Forbes Creek/Slater Ave Embankment Stabilization
- SD 0054 000#- Forbes Creek/BNSF RR Fish Passage Improvements
- SD 0055 000 - Forbes Creek / 98th Ave NE Riparian Plantings
- SD 0056 000*- Forbes Creek Ponds Fish Passage/Riparian Plantings
- SD 0061 000*- Everest Park Stream Channel / Riparian Enhancements
- SD 0062 000*- Stream Flood Control Measures At Kirkland Post Office
- SD 0063 000*- Everest Creek - Slater Ave At Alexander St
- SD 0068 000 - 128th Ave NE / NE 60th St to NE 64th St Drainage Improvements
- SD 0537 000 - Streambank Stabilization Program - NE 86th St

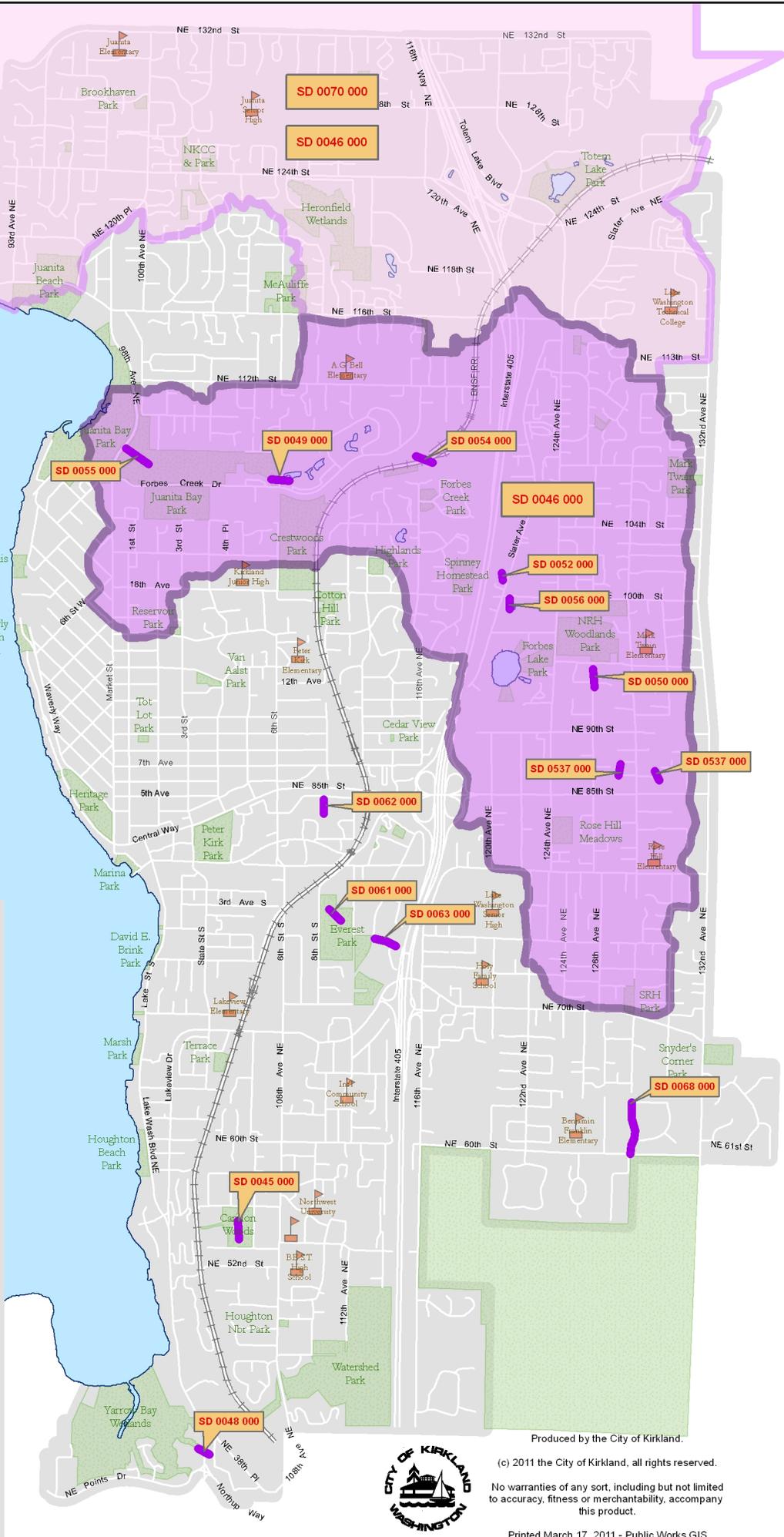
Projects With Various Locations

- SD 0046 000#- Regional Detention in Forbes & Juanita Creek Basins
- SD 0070 000 - Juanita Creek Watershed Enhancement Study

Legend

-  Forbes Creek Projects
-  Juanita Creek Projects
-  CIP Utility Line
-  Parks
-  Schools

^ Annual Streambank Stabilization Program Project Candidate
 # Annual Stormdrain Replacement Program Project Candidate



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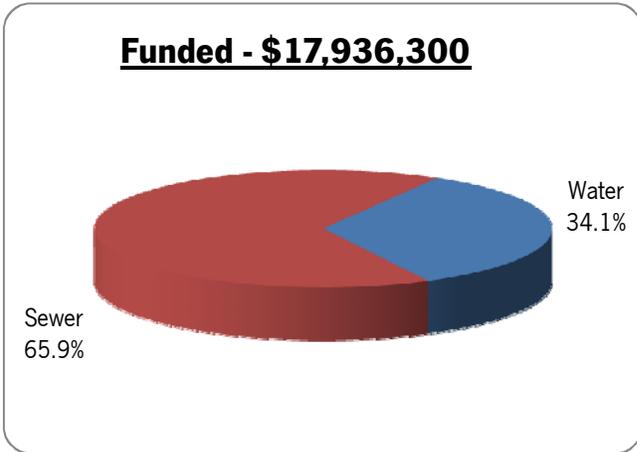
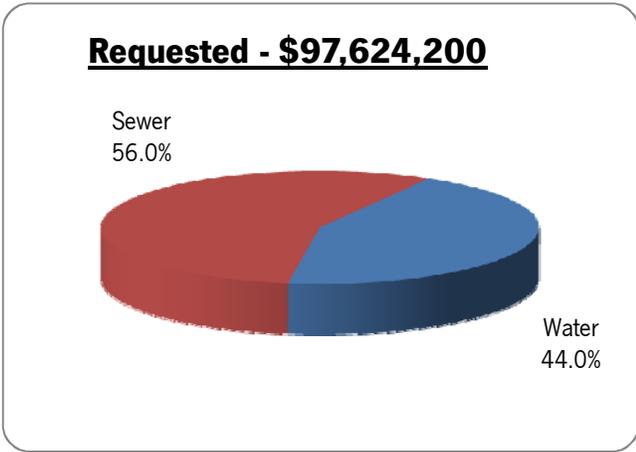
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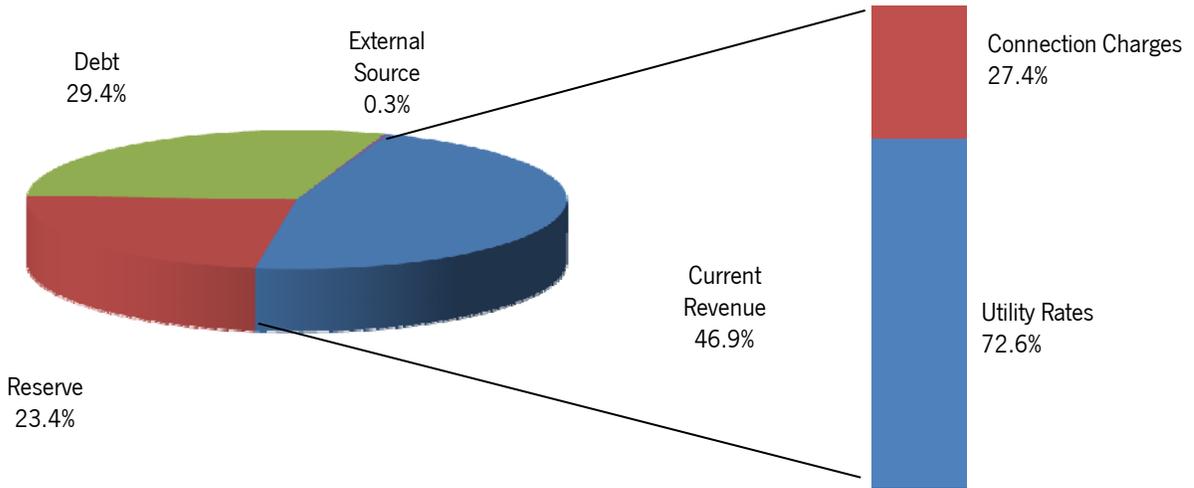


Utilities

Water and Sewer



Funding Sources



Utility Funding - \$17,936,300

Average Annual Current Revenues

Utility Rates	– \$2,291,000
Connection Charges	– \$865,000
Total Average Annual Revenue	– \$3,156,000



**City of Kirkland
2011-2016 Capital Improvement Program**

WATER/SEWER UTILITY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-16 Total	Funding Source			
										Current Revenue	Reserve	Debt	External Source
WA 0063+	Supply Station #3 Replacement/Transmission Main Addition		50,000	141,000	50,000				141,000	93,100			47,900
WA 0090	Emergency Sewer Pgm Watermain Replacement Pgm			251,000	798,500	997,000			150,000	150,000			
WA 0102+	104th Ave NE Watermain Replacement			371,300		1,265,300			937,000	937,000			
WA 0116*	132nd Av NE/NE 80th St Watermain Replacement								2,314,800	2,314,800			
WA 0121+	NE 109th Ave/106th Court NE Watermain Replacement								371,300	371,300			
WA 8888*	Annual Watermain Replacement Program							500,000	1,000,000	1,000,000			
WA 9999*	Annual Water Pump Station/System Upgrade Pgm							600,000	1,200,000	1,200,000			
SS 0056	Emergency Sewer Construction Program		1,400,000	680,400	1,400,000	525,000	1,400,000	1,879,700	4,200,000	354,600	4,200,000		2,009,800
SS 0067*	NE 50th Street Sewermain Replacement (Phase II)								2,364,400	576,300			3,265,500
SS 0076*	NE 50th Street Sewermain Replacement (Phase III)								3,841,800	886,000			
SS 8888*	Annual Sanitary Pipeline Replacement Program			886,000					886,000	886,000			
SS 9999*	Annual Sanitary Pump Station/System Upgrade Pgm			530,000					530,000	530,000			
Total Funded Water/Sewer Utility Projects		0	1,450,000	2,859,700	3,407,500	3,061,900	4,177,500	2,979,700	17,956,300	8,413,100	4,200,000	5,275,300	47,900

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 53rd Street Watermain Replacement	450,000
WA 0097*	NE 50th Street Watermain Replacement (Phase III)	1,201,000
WA 0098	126th Ave NE/NE 83rd & 84th St/128th Ave NE Watermain Replcmnt	1,197,000
WA 0103*	NE 113th Place/106th Ave NE Watermain Replacement	841,000
WA 0104	111th Ave NE/NE 62nd St/NE 54th St Watermain Replcmnt	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 46th St/109th/111th Ave NE Watermain Replcmnt	1,303,000
WA 0113	116th Ave NE/NE 70th/NE 80th St Watermain Replcmnt	2,858,000
WA 0118*	112th-114th Avenue NE/NE 67th-68th Street Watermain Replacement	3,360,100
WA 0119	109th Ave NE/111th Way NE Watermain Replacement	2,304,000
WA 0120*	111th Avenue Watermain Replacement	182,000
WA 0122	116th Avenue NE/NE 100th Street Watermain Replacement	1,506,000
WA 0123	NE 91st Street Watermain Replacement	453,000
WA 0124*	NE 97th Street Watermain Replacement	685,000
WA 0126#	North Reservoir Outlet Meter Addition	72,300
WA 0127#	650 Booster Pump Station	1,603,000
WA 0128	106th Ave NE-110th Ave NE/NE 116th St-NE 120th St Watermain Replcmnt	2,395,000
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 0134	5th Avenue S/8th Street S Watermain Replacement	1,420,000
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 0139	6th Street S Watermain Replacement	584,000
WA 0140*	NE 50th Street Watermain Replacement (Phase II)	2,863,000
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 0063*	NE 53rd Street Sewermain Replacement	723,000
SS 0064*	7th Avenue South Sewermain Replacement	804,000
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 0073#	Rose Point Sewer Lift Station Replacement	1,811,000
SS 0077	West Of Market Sewermain Replacement	21,681,000
Subtotal Unfunded Water/Sewer Utility Projects		83,303,900
Funding Available from Annual Programs for Candidate Projects		3,616,000
Net Unfunded Water/Sewer Utility Projects		79,687,900

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
2011-2016 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

WATER AND SEWER UTILITIES - Water

WA 0063 000 SUPPLY STATION #3 REPLACEMENT AND TRANSMISSION MAIN ADDITION

North Rose Hill

Supply Station #3 currently supplies water to the 545 Pressure Zone. Existing station is a small below-grade vault with limited worker space and substantial top hatch entry system, along with many other deficiencies. The replacement project will include a new vault providing for increased worker safety through easier access, proper lighting, space heating and ventilation, and increased space for routine maintenance. This joint facility improvement will require participation by the City of Redmond at their established proportionate share.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$141,000	\$0	\$141,000

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)	2011-2016 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 line 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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$937,000	\$0	\$937,000

WA 0116 000 132ND AVENUE NE/NE 80TH STREET WATERMAIN REPLACEMENT (PHASE 2)

South Rose Hill

This project is the continuation of the 2007 NE 80th St. combined sewer and water project and will meet with the end of that project near 124th Ave NE. Install approximately 2,860 line feet of 20-inch ductile iron pipe from the existing 24-inch ductile iron main at the intersection of 132nd Ave NE and NE 80th to approximately 124th Ave NE. It is to be combined with the NE 80th Street Sewer and Water Main Replacement Project and includes a half-street overlay. This installation is to service the 545 gradient zone only.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$2,314,800	\$0	\$2,314,800

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

South Juanita

Replacement of approximately 884 line 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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$371,300	\$0	\$371,300

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.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2015	\$0	\$1,000,000	\$0	\$1,000,000

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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2015	\$0	\$1,200,000	\$0	\$1,200,000

**CITY OF KIRKLAND
2011-2016 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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$4,200,000	\$0	\$4,200,000

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

South Rose Hill Replace existing 10-inch concrete sewerline with approximately 1,650 line feet of 10-12 inch PVC sewerline. The existing trunk line does not meet current design standards for slope and alignment. Additionally, there are known root intrusion and structural deficiencies which require a greater than average maintenance schedule. This project was originally a part of SS 0050; based on funding levels and the desire to coordinate with the replacement of an existing AC watermain along the alignment of the pipe, this section was delayed to coordinate with watermain replacement - WA 0116.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$2,364,400	\$0	\$2,364,400

SS 0076 000 NE 80TH STREET SEWERMAIN REPLACEMENT (PHASE III)

South Rose Hill Replace existing 10-inch concrete sewerline with approximately 1,150 lf of 10-12 inch PVC sewerline. The existing trunk line does not meet current design standards for slope and alignment. Additionally, there are known root intrusion and structural deficiencies which require a greater than average maintenance schedule. This project was originally a part of SS 0050; based on funding levels and the desire to coordinate with the replacement of an existing AC watermain along the alignment of the pipe, this section was delayed to coordinate with watermain replacement.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$3,841,800	\$0	\$3,841,800

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 0063 - NE 53rd Street Sewermain Replacement and SS 0064 - 7th Ave S Sewermain Replacement.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$886,000	\$5,439,900	\$6,325,900

SS 9999 000 ANNUAL SANITARY PUMP STATION/SYSTEM UPGRADE PROGRAM

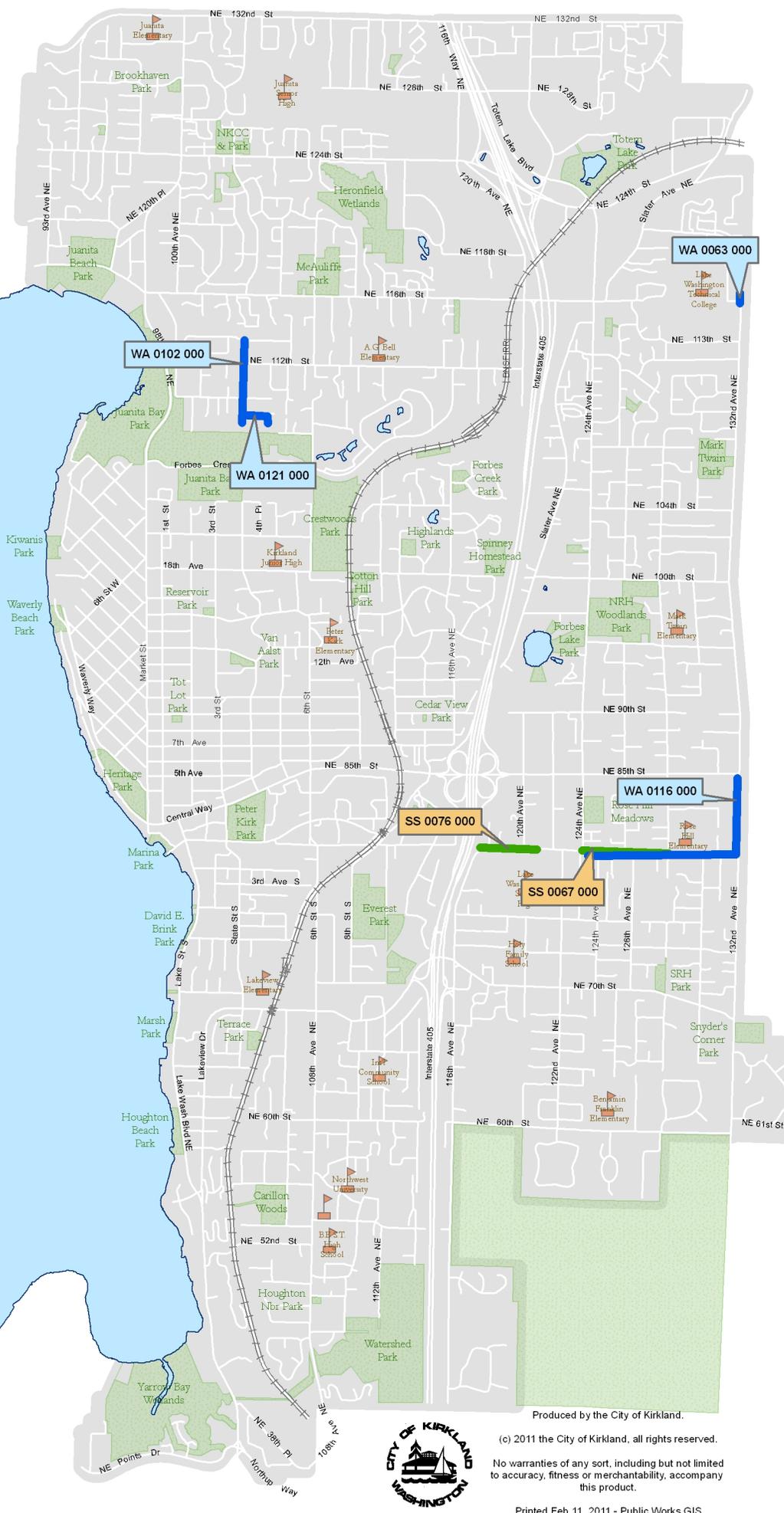
City-wide Installation of sewer pump station upgrades to improve overall system reliability and to reduce maintenance costs. Candidate projects under this Annual Program include: SS 0073 - Rose Point Sewer Lift Station Replacement.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$530,000	\$0	\$530,000



Funded Water / Sewer CIP

- Project Locations**
- WA 0063 000 - Supply Station #3 Replacement and Transmission Main Addition
 - WA 0102 000 - 104th Ave NE Watermain Replacement
 - WA 0116 000 - 132nd Ave NENE 80th St Watermain Replacement
 - WA 0121 000 - NE 109th St/106th Ct NE Watermain Replacement
 - SS 0067 000 - NE 80th St Sewermain Replacement (Phase II)
 - SS 0076 000 - NE 80th St Sewermain Replacement (Phase III)
- 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



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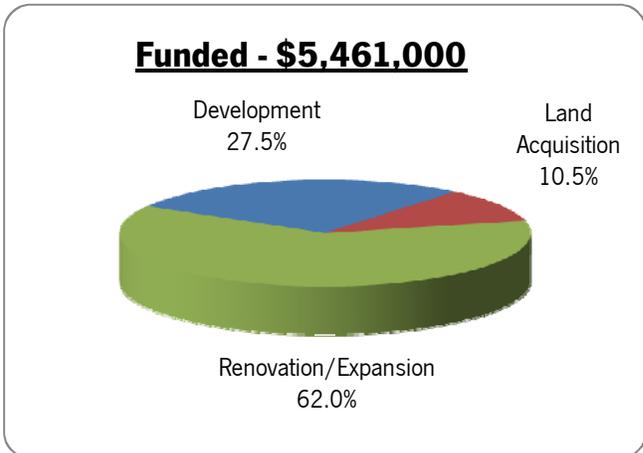
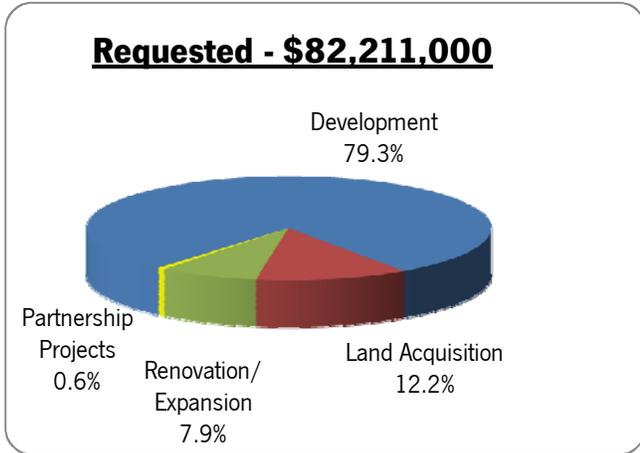
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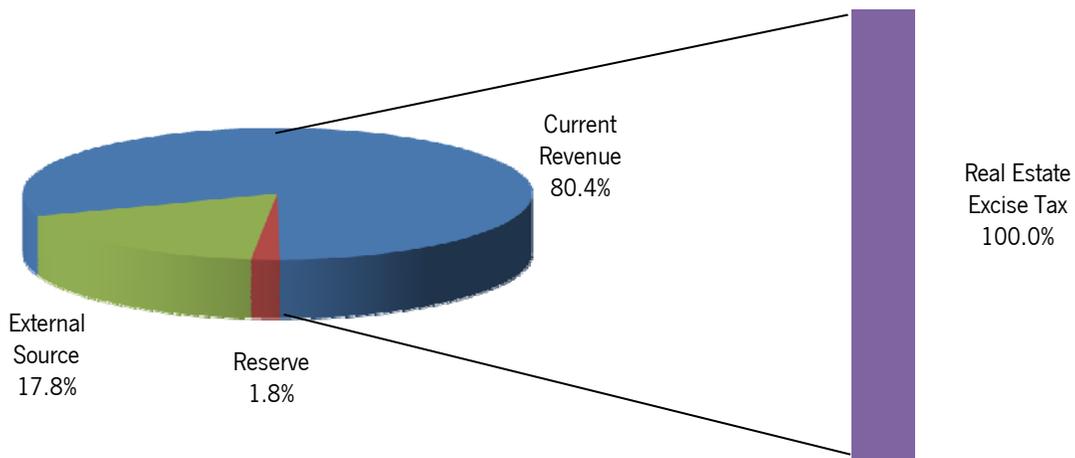




Parks



Funding Sources



Parks Funding - \$5,461,000

Average Annual Current Revenues
 Real Estate Excise Tax – \$731,000
 Total Average Annual Revenue – \$731,000



**City of Kirkland
2011-2016 Capital Improvement Program**

PARK PROJECTS

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-2016 Total	Funding Source			
										Current Revenue	Reserve	Debt	External Source
PK 0049	Open Space, PK Land & Trail Acq Grant Match Program		100,000						100,000				
PK 0066*	Park Play Area Enhancements		50,000	50,000					250,000				
PK 0087*	Waverly Beach Park Renovation	75,000	508,000	162,000			50,000	50,000	670,000				
PK 0113*	Spinney Homestead Park Renovation		62,000	338,000					400,000				
PK 0115*	Terrace Park Renovation			62,000		338,000			400,000				
PK 0119*	Juanita Beach Park Development	2,700,000		18,000					1,061,000			500,000	
PK 0121	Green Kirkland Forest Restoration Program		50,000	50,000	1,043,000		50,000	50,000	300,000				
PK 0124*	Snyder's Corner Park Site Development			75,000	13,000	50,000			443,000				
PK 0131	Park and Open Space Acquisition Program	1,071,000	118,000	118,000	118,000	118,000			472,000			472,000	
PK 0132	General Park Renovation Program						669,000	696,000	1,365,000				
Total Funded Park Projects		3,846,000	888,000	811,000	1,336,000	861,000	769,000	796,000	5,461,000	4,389,000	100,000	0	972,000

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

Project Number	Project Title	Budget	Actual	Balance
PK 0087*	Waverly Beach Park Renovation	75,000	0	75,000
PK 0119*	Juanita Beach Park Development	2,700,000	754,137	1,945,863
PK 0131	Park and Open Space Acquisition Program	1,071,000	508,607	562,393
Total Prior Year(s) Funding (Budget to Actuals):		3,846,000	1,262,744	2,583,256

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 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 0122 100	Community Recreation Facility Construction	42,000,000
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
Total Unfunded Park Projects		76,750,000

Notes:
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**CITY OF KIRKLAND
2011-2016 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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2011	\$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: 2011: Forbes Creek Park; 2012: Van Aalst Park; 2013 - 2016: Sites to be determined based on on-going assessment and inspections of existing infrastructure.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$250,000	\$0	\$250,000

PK 0087 000 WAVERLY BEACH PARK RENOVATION

Market Renovation of community waterfront park. Improvements to include accessibility improvements, shoreline restoration, new landscaping, drainage system, etc. Implement Low Impact Development (LID) practices as part of project.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2010	\$75,000	\$670,000	\$0	\$745,000

PK 0113 000 SPINNEY HOMESTEAD PARK RENOVATION

Highlands Renovation of neighborhood park to include accessibility and drainage improvements, pathways, fencing, and new lawn.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2011	\$0	\$400,000	\$0	\$400,000

PK 0115 000 TERRACE PARK RENOVATION

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

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$400,000	\$0	\$400,000

PK 0119 000 JUANITA BEACH PARK DEVELOPMENT

South Juanita Implementation of park master plan improvements. Funding for 2012/2013 targeted for second phase of improvements, which may include replacement of bathhouse facility and other beachfront-related improvements, as well as select improvements to the park's north side, as described in the park master plan. City funding would be utilized to match a required grant from either State or Federal sources.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2003	\$2,700,000	\$1,061,000	\$14,751,100	\$18,512,100

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, and Crestwoods Park.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$300,000	\$0	\$300,000

PK 0124 000 SNYDER'S CORNER PARK SITE DEVELOPMENT

South Rose Hill

Initial planning for development of community park space in the South Rose Hill/Bridle Trails neighborhoods. Planning to include survey and site analysis, site design, and cost estimating. Public process to include design workshops and community outreach. Potential partnership with City of Redmond will be pursued.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$443,000	\$614,600	\$1,057,600

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. Funding provided each year from 2011 - 2014 CIP from the voter-approved six-year 2007 King County Parks and Open Space Levy. Levy funding expires after 2014.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2008	\$1,071,000	\$472,000	\$0	\$1,543,000

PK 0132 000 GENERAL PARK RENOVATION PROGRAM

City-wide

Renovation/redevelopment of parks in Kirkland as determined following recommendations prepared by the Park Board.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2015	\$0	\$1,365,000	\$0	\$1,365,000

Funded Parks CIP

Project Locations

- PK 0087 000 - Waverly Beach Park Renovation
- PK 0113 000 - Spinnery Homestead Park Renovation
- PK 0115 000 - Terrace Park Renovation
- PK 0119 000 - Juanita Beach Park Development
- PK 0124 000 - Snyder's Corner Park Site Development
- 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 0132 000 - General Park Renovation Program

Legend

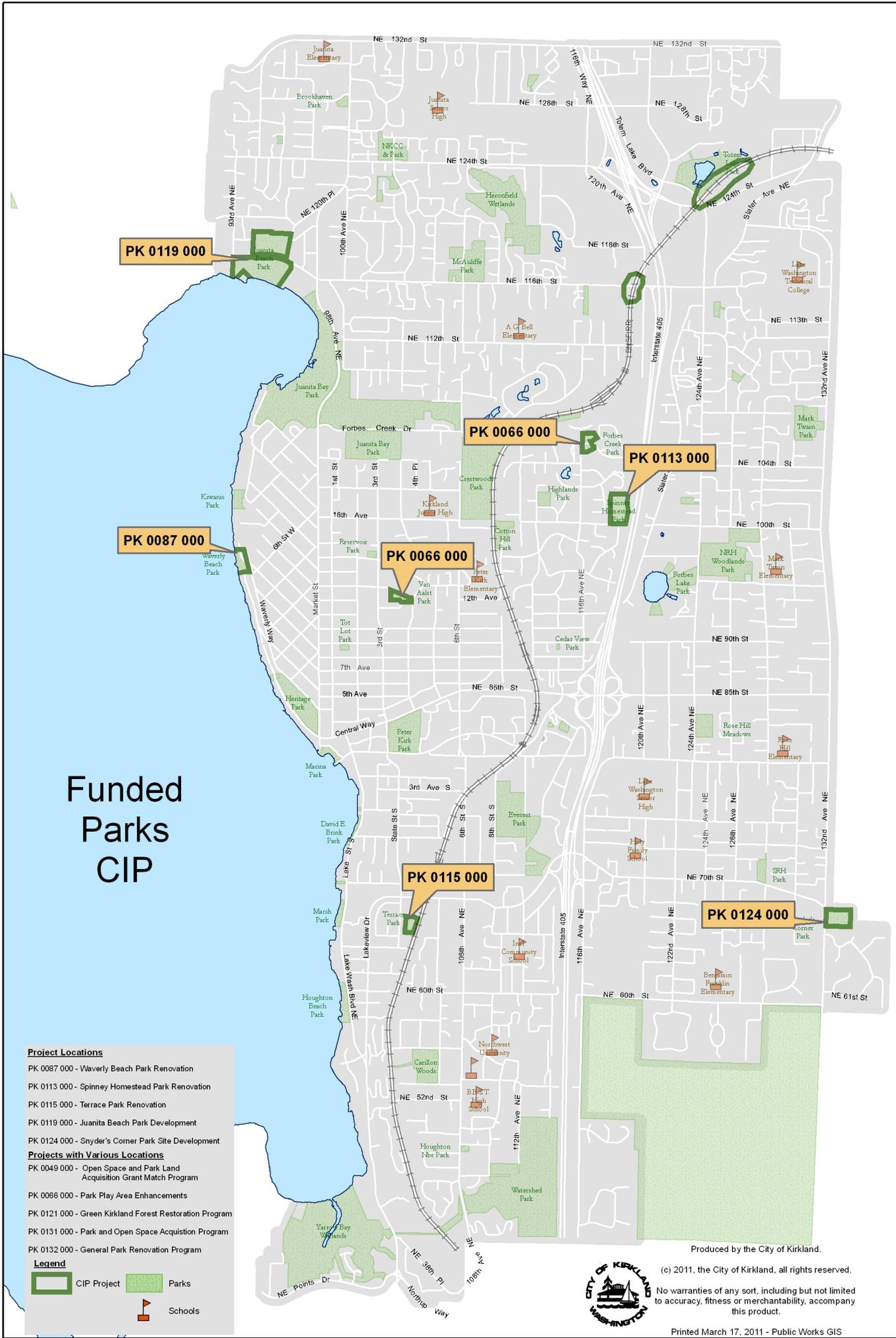
-  CIP Project
-  Parks
-  Schools

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Unfunded Parks CIP

Project Locations

- PK 0078 600 - A.G. Bell Elementary Playfields Improvements
- PK 0078 800 - International Community School Playfield Improvements
- PK 0095 100 - Heritage Park Development (Phase III & IV)
- PK 0096 000 - Ohde Avenue Park Development
- PK 0097 000 - Reservoir Park Renovation
- PK 0108 000 - McAuliffe Park Development
- PK 0114 000 - Mark Twain Park Renovation
- PK 0116 000 - Lee Johnson Field Artificial Turf Installation
- PK 0117 000 - Lake Avenue West Street End Park Enhancements
- PK 0126 000 - Watershed Park Master Planning & Park Development
- PK 0127 000 - Kiwanis Park Master Planning & Park Development
- PK 0128 000 - Yarrow Bay Wetlands Master Planning & Park Development
- PK 0129 000 - Heronfield Wetlands Master Planning & Park Development

Projects with Various Locations

- PK 0086 000 - Totem Lake Neighborhood Park Acquisition
- PK 0099 000 - N. Juanita (East) Neighborhood Park Acquisition/Development
- PK 0100 000 - N. Juanita (West) Neighborhood Park Acquisition/Development
- PK 0101 000 - N. Rose Hill Neighborhood Park Acquisition/Development (North)
- PK 0102 000 - N. Rose Hill Neighborhood Park Acquisition/Development (Central)
- PK 0103 000 - Market Neighborhood Park Acquisition/Development
- PK 0122 100 - Community Recreation Facility - Construction
- PK 0125 000 - Dock Renovations

Legend

- CIP Project
- Parks
- Schools



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Public Safety



Requested - \$1,336,500



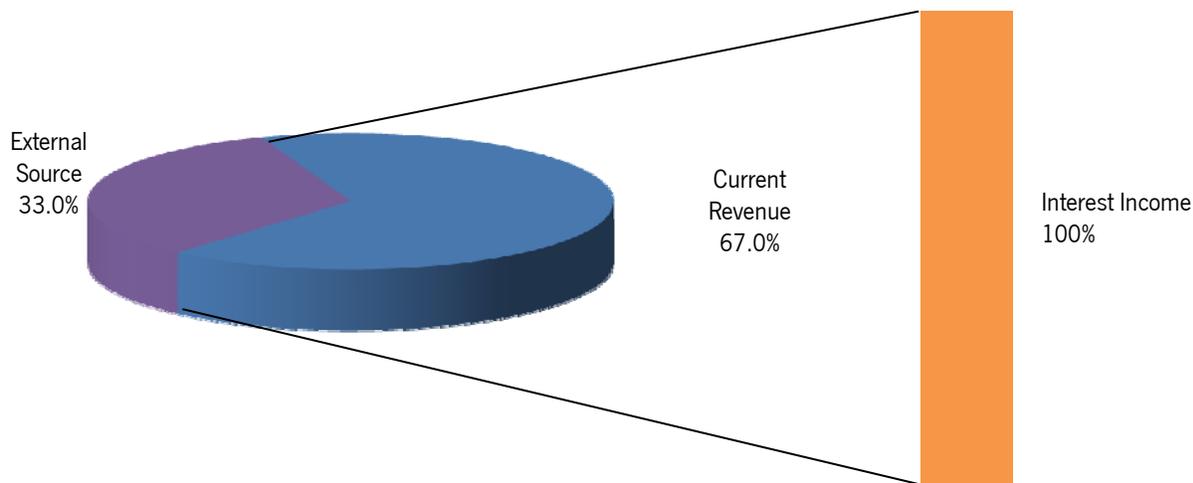
Public
Safety
100%

Funded - \$1,217,400



Public
Safety
100%

Funding Sources



Public Safety Funding - \$1,217,400

Average Annual Current Revenues

Interest Income - \$250,000
Total Average Annual Revenue - \$250,000



City of Kirkland
2011-2016 Capital Improvement Program

PUBLIC SAFETY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-2016 Total	Funding Source		
										Current Revenue	Reserve/ Prior Year	Debt
PS 0062*	Defibrillator Unit Replacement		253,900						253,900			40,600
PS 0065*+	Disaster Response Portable Generators		150,000						150,000			150,000
PS 0066	Thermal Imaging Cameras Replacement			133,000					133,000			34,600
PS 0067*	Dive Rescue Equipment Replacement				58,900				58,900			15,300
PS 0071*	Self Contained Breathing Apparatus (SCBA)					305,500	316,100		621,600			161,600
Total Funded Public Safety Projects			0	403,900	58,900	305,500	316,100	0	1,217,400	0	0	402,100

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
2011-2016 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

PUBLIC SAFETY - Public Safety

PS 0062 000 DEFIBRILLATOR UNIT REPLACEMENT

City-wide Defibrillator units are used by Firefighters and Police Officers to restart the heart in patients whose hearts have stopped. Technology changes are occurring which requires routine replacement of these life saving devices.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2011	\$0	\$253,900	\$0	\$253,900

PS 0065 000 DISASTER RESPONSE PORTABLE GENERATORS

City-wide Purchase two 100kW emergency power generators that include a mobile trailer and housing, an electrical transfer switch, and parts for hookup and labor to install five sites with plug-in connection for the generator. The City of Kirkland is responsible as an incorporated jurisdiction to perform emergency management functions within our jurisdictional boundaries as mandated by RCW 38.52.070. King County Emergency Management Plan states: Para I-B: "Incorporated Cities in KC have responsibility to coordinate their own mass care shelters using City assets, or to coordinate with KC EOC in placement of mutually supported shelters." We will never be able to identify the exact area in the City where the damage will be the greatest after a disaster and we will not be able to plan where exactly the greatest need will be. Portable generators allow the City to respond to where the need is. The advantage of partnering with different agencies in Kirkland to pre-wire their facility is developing relationships of support within the community.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2011	\$0	\$150,000	\$0	\$150,000

PS 0066 000 THERMAL IMAGING CAMERAS REPLACEMENT

City-wide Thermal imaging cameras (TIC) are used for search and rescue of victims in a heavy smoke and/or fire situation. This aids the firefighters in quick and accurate searches in little-to-zero visibility to rescue victims. The TIC also aid firefighters in finding fire hidden in walls, or other blind spaces, thus allowing suppression crews to quickly and accurately extinguish fires with the smallest amount of damage possible. At the present time, there are two TIC; grants are being sought to obtain a third and will continue in this manner to reach a maximum of six. This project will allow replacement of the assumed six outdated models and/or help bring compliment to the desired number - one for each frontline fire apparatus (6 total).

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$133,000	\$0	\$133,000

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)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2013	\$0	\$58,900	\$0	\$58,900

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 units, extra masks, and a "buddy breathing system" for each unit.

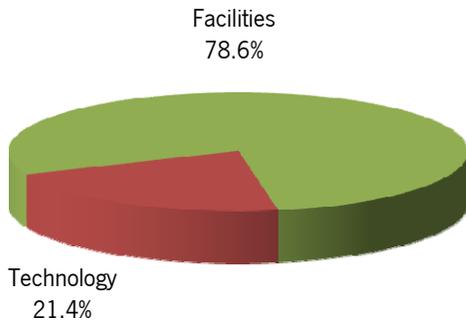
PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2014	\$0	\$621,600	\$0	\$621,600



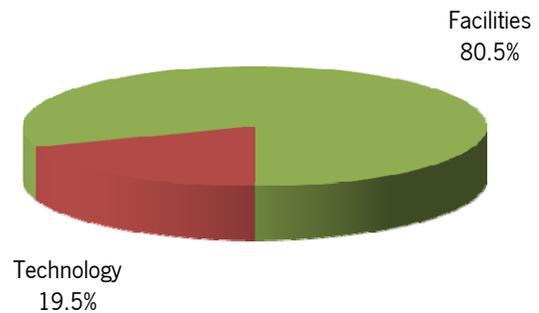
General Government



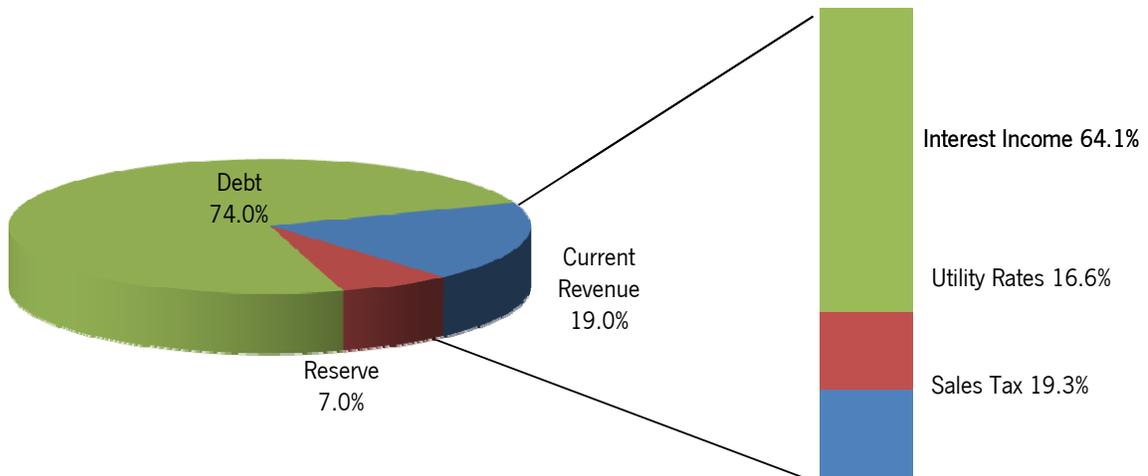
Requested - \$51,771,800



Funded - \$31,901,100



Funding Sources



General Government Funding - \$31,901,100

Average Annual Current Revenues

Interest Income - \$550,000
 Sales Tax - \$300,000
 Utility Rates - \$150,000
 Total Average Annual Revenue - \$1,000,000



**City of Kirkland
2011-16 Capital Improvement Program**

GENERAL GOVERNMENT PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2011	2012	2013	2014	2015	2016	2011-2016 Total	Funding Source		
										Current Revenue	Reserve/ Prior Year	Debt
TECHNOLOGY												
GG 0006 100*	Geographic Information Systems		150,000	212,200	294,600	327,100	304,100	291,000	1,579,000	1,579,000		
GG 0006 160*	Finance and HR System Modules		121,100	119,000	135,600	153,000	171,600	191,200	891,500	891,500		
GG 0006 205	Municipal Court Technology Projects		25,000	25,000					50,000	50,000		
GG 0006 300*	Local and Wide Area Networks		253,100	723,300	854,900	277,500	440,400	667,800	3,217,000	3,217,000		
GG 0006 301*	Disaster Recovery System Improvement	150,000			64,300	166,300			230,600	230,600		
GG 0006 702**+	Maintenance Management System Upgrade			250,000					250,000	89,400	160,600	
FACILITIES												
GG 0008*	Electrical, Energy Management & Lighting Systems			54,400	24,500	38,000	64,700	16,700	198,300	198,300		
GG 0009*	Mechanical/HVAC Systems Replacements		40,000	6,800	23,100	151,400	15,000	18,500	254,800	254,800		
GG 0010*	Painting, Ceilings, Partition & Window Replacements		69,200	59,400	19,600	60,600	283,400	238,200	730,400	730,400		
GG 0011*	Roofing, Gutter, Siding and Deck Replacements			9,200	9,200	649,300	4,400	2,000	664,900	664,900		
GG 0012*	Flooring Replacements		39,300	27,100	16,000	64,500	50,500	22,600	220,000	220,000		
GG 0035	City Hall & Public Safety Expansion	10,342,000	11,632,800	11,981,800	1,441,800	1,887,700	1,334,100	1,448,000	31,901,100	6,057,500	2,229,000	23,614,600
Total Funded General Government Projects			12,330,500	13,459,000	1,441,800	1,887,700	1,334,100	1,448,000	31,901,100	6,057,500	2,229,000	23,614,600

Unfunded Projects:

Project Number	Project Title	Total
GG 0006 125	Standard Reporting Tool	135,000
GG 0006 130	Customer Relationship Management System	414,000
GG 0006 203	Police CAD & RMS System Replacement	1,400,000
GG 0006 207	Police ProAct Unit NCIC Handheld Computers	52,000
GG 0006 302**	Help Desk Clientele System Replacement	75,000
GG 0006 401	Utility Billing/Cashiering System Replacement	491,700
GG 0006 402	Financial System Replacement	1,500,000
GG 0006 701	Fleet Management Systems Replacement	80,000
GG 0006 702**	Maintenance Management System Upgrade	250,000
GG 0006 801	Parks Work Order System	55,000
GG 0006 803**	Recreation Registration System Replacement	83,000
GG 0006 804	Wireless in the Parks Expansion	335,000
GG 0037 002	Maintenance Center Expansion - Phase 2	15,000,000
Total Unfunded General Government Projects		19,870,700

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

Project Number	Project Title	Budget	Actual	Balance
GG 0006 301	Disaster Recovery System Improvements	150,000	148,965	1,035
GG 0035	City Hall & Public Safety Expansion	10,342,000	25,807	10,316,193
Total Prior Year(s) Funding (Budget to Actuals):		10,492,000	174,772	10,317,228

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**CITY OF KIRKLAND
2011-2016 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

GENERAL GOVERNMENT - Technology

GG 0006 100 GEOGRAPHIC INFORMATION SYSTEMS

City-wide Support enterprise GIS system per GIS Strategic Plan. Includes completing tools to help keep data up to date, additional crime analysis mapping, environmental layers and multiple other improvements. The funding for the next six years includes updated orthophotography every two to three years, plotter replacements, integration with other City systems, and expected server and software upgrades.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,579,000	\$0	\$1,579,000

GG 0006 160 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 need to be made to these systems in order to accurately and properly collect and report data and to assure adequate audit trails exist. In the coming 2011 and 2012 biennium, some of the projects include replacement of the server for the Finance system and upgrading the Utility Billing System.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$932,000	\$0	\$932,000

GG 0006 205 COURT TECHNOLOGY PROJECTS

City-wide There are a number of projects which need to be done to support the Kirkland Municipal Court. These include replacement of the probation management system (which was custom developed in a desktop database years ago and does not provide adequate data safety and security), and replacement of the court reporting audio recording system which is at end-of-life and close to failure. In addition to these two larger projects (between \$10,000-\$20,000 each), there are a number of smaller systems, such as direct entry of parking ticket information from parking enforcement system (currently done manually) to the AOC (Administrative Office of the Courts), possible ancillary costs for the video ticketing system for parking tickets, etc. Since few of these projects are completely scoped at this time, an estimate of \$50,000 is used. This new project groups together a number of small public safety projects which have no other funding source.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2011	\$0	\$50,000	\$0	\$50,000

GG 0006 300 LOCAL AND WIDE AREA NETWORKS

City-wide Provides for updates, and replaces infrastructure to support Kirkland's communications, data, and electronic systems. All systems require servers. Each building must remain connected to the central hub at City Hall so that staff can access and utilize data. In addition to basic infrastructure replacement, some special IT infrastructure projects are funded from this CIP. The current CIP includes funding for upgrading the City's public free wireless network in the downtown area, replacing the Storage Area Network (SAN), and replacing the network backup infrastructure. The replacement of the SAN in 2012 is expected to cost \$500,000 and the replacement of the network backup infrastructure in 2013 is expected to cost \$650,000. Alternatives are being considered, such as network storage "in the Cloud" as a potential way to save costs on both of these projects. It also provides funding for a network security assessment, increased remote access security, network communication infrastructure equipment and the City's share of the city/schools/hospital fiber optic network project.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$3,217,000	\$964,900	\$4,181,900

GG 0006 301 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 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. At the moment, the Finance system is the only one that would be accessible in the event of a disaster that destroyed the server room or prevented access to it. This means the City would have to operate in an emergency with no access to GIS, in-ground public works inventory in GIS and maintenance management, the 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.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2007	\$150,000	\$230,600	\$0	\$380,600

GG 0006 702 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. This was cancelled this for lack of resources in 2009, but it is anticipated that the system will need to be upgraded or replaced in 2011. There are three choices: 1) Upgrade Hansen for a slightly more than \$250,000. 2) Switch to a module offered by the new permit vendor, which would result in better integration and lower long-term costs - around \$500,000. 3) Purchase a new system. The current funded portion of this project provides enough resources for options 1 and 2. Further analysis will be conducted to determine the best solution.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2012	\$0	\$250,000	\$250,000	\$500,000

**CITY OF KIRKLAND
2011-2016 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: electrical and 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, 20 years for an energy management system and 40 years for an electrical panel. Any facility in this group that has one of these items scheduled to occur from 2011-2016 is included in this request.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$198,300	\$0	\$198,300

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, 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, 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 2011-2016 is included in this request.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$254,800	\$0	\$254,800

GG 0010 000 PAINTING, CEILINGS, PARTITION, WINDOW REPLACEMENT

City-wide The funds will cover the cost of interior and exterior painting, ceiling tile replacement, movable partition replacement, 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 six-year cycle, the ceiling tile replacement on a 15 year cycle, and the moving partitions on a 20 year cycle. Any facility in this group that has one of these items scheduled to occur from 2011-2016 is included in this request.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$730,400	\$0	\$730,400

GG 0011 000 ROOFING, GUTTER, SIDING AND DECK REPLACEMENTS

City-wide The funds will cover the cost of roofing, gutter, siding and deck 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 life cycle for roofing ranging from 20 to 30 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 2011-2016 is included in this request.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$664,900	\$0	\$664,900

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, 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 2011-2016 is included in this request.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$220,000	\$0	\$220,000

GG 0035 000 CITY HALL & PUBLIC SAFETY EXPANSION

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 the next 5 years and would include renovation of the Council Chamber.

PROJECT START	Prior Year(s)	2011-2016 Total	Future Year(s)	TOTAL PROJECT
2008	\$10,342,000	\$23,614,600	\$0	\$33,956,600

City of Kirkland 2011 to 2016 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 2011–2016.

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 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 four vehicles costing in excess of \$50,000 currently scheduled for replacement in 2011. One of the four, U-05 (a utility truck), was extended two years beyond its normal accounting life which was 2009. The other three vehicles, S06-09 (a corrections van), S-04 and S-05 (street sweepers) are on schedule for their normal replacements in 2011. An additional vehicle, M-06 (a roadside tractor with roadside mowing arm), is earmarked to continue its extended operational life 8 years beyond its original accounting life, which was 2005. M-06 is now scheduled for replacement in 2013. This was achieved by the replacement and mounting of a new mower arm every 3 years. The extension of operational use for each of these vehicles has been noted in the Comments section of the attached chart.



**City of Kirkland
2011-2016 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
				2011	2012	2013	2014	2015	2016		
F609	1995 / Seagrave Pumper	18	6/1/2013			598,193				598,193	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 Tillered 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
Total Fire & Building Vehicles				-	-	598,193	495,556	1,381,314	310,069	2,785,132	

Parks & Community Services

Vehicle	Year / Description	Acct Life	Normal Replacement Date	Planned Replacement Year and Cost						Six Year Total Cost	Comments
				2011	2012	2013	2014	2015	2016		
M-3B	2007 / Jacobsen 16' Wide Area Mower	5	6/1/2012		88,442					88,442	On schedule
F-16	2004 / Ford F450 2/3 Yard Dump Body	8	6/1/2012		54,086					54,086	On schedule
M-9A	2007 / Toro Groundsmaster 4500D	6	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
Total Parks & Community Services Vehicles				-	142,528	120,178	-	-	-	262,706	

Police

Vehicle	Year / Description	Acct Life	Normal Replacement Date	Planned Replacement Year and Cost						Six Year Total Cost	Comments
				2011	2012	2013	2014	2015	2016		
S06-09	2006 / Dodge Sprinter Corrections Van	5	6/1/2011	79,533						79,533	On schedule
Total Police Vehicles				79,533	-	-	-	-	-	79,533	

Public Works

Vehicle	Year / Description	Acct Life	Normal Replacement Date	Planned Replacement Year and Cost						Six Year Total Cost	Comments
				2011	2012	2013	2014	2015	2016		
U-05	2000 / Ford F450 Utility Truck	9	6/1/2009	54,670						54,670	Extended to 2011. Good condition.
S-04	2004 / Ford Tymco Sweeper	7	6/1/2011	176,079						176,079	On schedule
S-05	2004 / Ford Tymco Sweeper	7	6/1/2011	176,079						176,079	On schedule
PU-35	2002 / Ford F450 Utility	10	6/1/2012		56,471					56,471	On schedule
D-08	2001 / International Dumptruck (10 Yard)	12	6/1/2013			171,878				171,878	On schedule
M-06	1998 / Ford Brushcutter	7	6/1/2005			138,588				138,588	Extended to 2013. Replaced mower arm.
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	On schedule
F-19	2008 / Ford Flat Bed F350 w/crane	8	6/1/2016					68,282		68,282	Extended to 2014, due to type of use.
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
V-04	2006 / International Aquatech Educator	10	6/1/2016					385,882		385,882	On schedule
Total Public Works Vehicles				406,828	56,471	509,234	160,322	-	1,067,275	2,200,130	
Total All Vehicles				486,361	198,999	1,227,605	655,878	1,381,314	1,377,344	5,327,501	



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	<hr style="width: 50px; margin: 0 auto;"/> 100 <hr style="width: 50px; margin: 0 auto;"/>	<hr style="width: 50px; margin: 0 auto;"/>

(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%
1-25%	1	26-49%
26-50%	2	50-74%
51-75%	3	75-100%
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)		Pathway:	
		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)		Sidewalk:	
		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)

 VALUE SCORE
(100 max)

x .20 VALUE WEIGHT

 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.