



Project Summary

CITY OF KIRKLAND

2021-2026
Capital
Improvement
Program

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City of Kirkland 2021 to 2026 Capital Improvement Program



Michael Olson
Director of Finance and Administration

Prepared by

Sri Krishnan
Sandi Hines
George Dugdale
Robby Perkins-High
Melissa Bartoletti
Jessica Clem



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City of Kirkland 2021 to 2026 Capital Improvement Program

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Introduction



Capital Improvement Program



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City of Kirkland CAPITAL IMPROVEMENT PROGRAM 2021 TO 2026

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. The CIP is the City's six-year funding plan for building, maintaining and improving the roads, sidewalks, public buildings, parks, and other fixed assets. The funding allocations in the first two years of the CIP align with the 2021-2022 operating budget, which was adopted by the Council at the December 8, 2020 Council Meeting.

In addition to updates to costs and timing of previously approved projects, the 2021-2026 CIP is guided by the capital budgeting priorities ("Prioritization Framework"). Under normal circumstances, Council adopts the capital projects prioritization framework by resolution, which guides the CIP development. In recognition of the disruption to economic activity caused by COVID-19, staff recommended that Council not formally adopt a resolution in order to give the Council flexibility to adjust the CIP as necessary to respond to current events. Although not formally adopted by resolution, the following eight policy principles served as the guide for development of the 2021-2026 CIP.

1. Complete capital projects from the 2019-2020 City Work Plan.
2. Complete public safety capital investments that help implement the Police and Fire Strategic Plans.
3. Complete transportation projects necessary to ensure the success of WSDOT and Sound Transit investments in I-405 and Kirkland.
4. Complete projects necessary to ensure adequate transportation concurrency investments keep pace with development.
5. Invest in parks projects that increase active recreation opportunities throughout the City to meet the needs of a growing population.
6. Invest in water, sewer and storm water projects according to the priorities contained in the adopted utility Master Plans.
7. Create measurable progress towards achieving the City Council's goals.
8. Reprioritize funds from existing CIP projects that do not meet these priorities.

In addition to the eight policy principles, the potential financial impacts and the uncertainty related to the duration and severity of the disruption caused by the pandemic necessitated additional strategies for prioritizing capital projects.

1. Finish existing projects and don't add new projects in 2021 or 2022.

To mitigate the impact of potential revenue shortfalls, the 2021-2026 CIP should complete currently funded projects rather than adding new projects that require funding from sources impacted by the pandemic.

2. Potentially defer projects.

Identify projects that are being impacted by permitting delays, construction delays or bids exceeding budgets and determine whether to defer these projects to future years.

3. Complete projects with grant, contractual or regulatory requirements.

Determine the impact of the current situation on grant/externally funded projects and identify options to mitigate potential loss of funding or non-compliance. Review projects that reflect Kirkland's commitments to regional partners to ensure that the City is meeting contractual or other obligations.

4. Identify projects with downstream impacts and develop options.

Identify projects impacted by the pandemic that are predecessors or pre-requisites for future projects and determine options for Council consideration.

The prioritization framework and the additional strategies to address the economic impacts of COVID-19 constituted the Prioritization Criteria, as established by the City Council. Staff utilized the Prioritization Criteria to develop the 2021-2026 CIP while accounting for the current unique situation.

The CIP is organized into seven major programs:

Transportation projects include improvements to streets, intersections, pedestrian safety, public transit and non-motorized facilities.

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

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

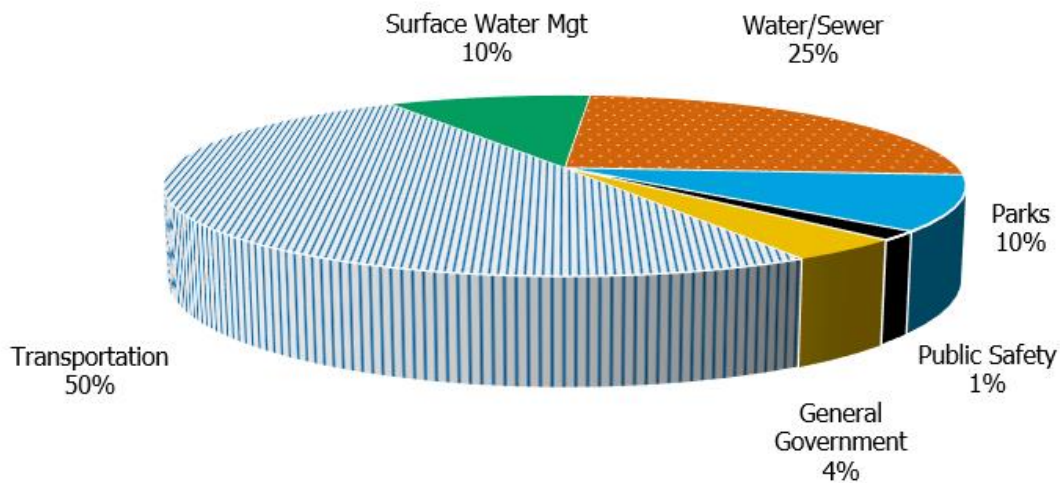
Public Safety projects address fire and police needs including the acquisition of major new equipment with a value greater than \$50,000 and the construction of facilities associated with public safety.

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

Surface Water Management Utility projects include improvements to the City's natural and constructed storm drain systems, as well as water quality and fish habitat improvements, including streambank restoration on private property.

This structure assists City staff with tracking and managing the projects by funding source and function. Project summaries, including timing of expenditures and fund sources, are presented in each program section in the document. The following narrative will provide project highlights to emphasize how the major recommendations fit within the Prioritization Criteria established by the City Council.

The chart below shows the relative size of the funded project categories in the 2021-2026 CIP. Note that the Public Safety portion of the CIP does not include any of the Fire Station facilities projects associated with Fire and EMS Proposition 1, which was passed by voters in November 2020, after this CIP was created. These projects will be moved to funded status in 2021. With the inclusion of these projects, Public Safety would represent 25% of the CIP.



The City's Capital Improvement Program has grown substantially over the past ten years, as illustrated by the table below. The Kirkland Justice Center (KJC) (2010), new fire stations (2018-19), and the City Hall remodel (2015-16) caused a large increase in the Public Safety and Facilities CIP. There has also been sustained growth across other CIP areas as the 2011 annexation added a larger land area and infrastructure for the City to support.

CIP Expenditure History by Category - Actuals 2009-2019

	Trans	Parks	Public Safety	Technology	Facilities	Surf Wtr	Water/Sewer	Total
2010	5,802,617	1,453,241	10,857,850	1,274,150	524,576	4,501,019	7,819,322	32,232,774
2011	7,671,316	2,238,239	750,807	628,464	112,075	887,400	345,996	12,634,297
2012	12,599,845	194,525	1,132,077	762,075	401,515	4,435,280	3,986,820	23,512,136
2013	11,014,330	1,003,651	19,339,127	1,466,822	359,242	4,623,661	1,164,218	38,971,052
2014	11,072,267	2,997,445	11,838,509	897,313	766,363	2,711,523	2,878,355	33,161,776
2015	15,616,174	1,006,933	1,068,259	1,329,740	6,935,668	5,268,145	8,025,732	39,250,652
2016	9,220,333	2,039,662	779,978	1,508,344	9,292,972	2,287,867	5,293,133	30,422,288
2017	13,257,713	4,431,871	1,946,530	2,312,487	1,912,284	2,885,395	6,982,948	33,729,228
2018	11,226,093	11,816,096	2,840,079	2,001,452	4,552,211	2,145,117	5,906,796	40,487,844
2019	18,679,769	5,919,222	10,545,885	2,491,355	1,250,826	5,403,283	6,275,894	50,566,234
Total	122,644,415	34,415,333	61,749,592	15,249,153	27,665,206	36,243,724	53,539,566	351,506,988

Each program section includes a summary of **funded projects** expected to take place with available funding within the 6-year window of the 2021-2026 CIP. The CIP is balanced over the six-year period

in that anticipated funding matches cash flow. The summary of **unfunded projects** represents capital needs that could not be funded within the six-year period or that are not sufficiently well defined to be included in the funded portion of the CIP.

The term “unfunded” should not be interpreted to mean a project will not be funded. It simply means that a project is not funded with resources available in the six-year CIP window. Recognizing that the master plans that form the basis for the CIP identify projects that span a twenty-year horizon (or more), it makes sense that the unfunded component far exceeds the funded amount. The unfunded projects in the summary tables of each program section include those projects that would be candidates for funding from revenue sources after 2026 and those that are not likely to be funded without substantial external and/or new revenues. An example of the latter would be the Community Recreation Facility Construction, a \$96 million project in the Parks program which is only likely to proceed with a new voted revenue source and/or significant regional coordination.

In addition to the overarching Prioritization Criteria established by the City Council described above, there are a variety of sources of policy guidance that help to form the CIP.

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 (with some limited exceptions below this threshold such as vehicles). 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. Many of these projects are identified in the subject area strategic and/or master plans, most of which were updated as part of the Kirkland 2035 planning process.

Proper **maintenance** and **replacement** are the most critical elements 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 and should be in line with best practices and the level of infrastructure repair expected by the community. Although maintenance and replacement are essential, the level of maintenance is a policy choice.

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

Desired **levels of service** are developed for other areas as reflected in master plans and strategic plans. They include such things as park investment, 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 CIP process is intended to identify the funding sources available for projects prioritized in the next six years. The project costs are the **best estimates available** as of the date of the plan and, as a result, can change as market conditions and project scope evolve. As project timing changes, the

impacts of cost escalation can also come into play. The first two years of the CIP are adopted as part of the biennial budget and therefore represent actual funding commitments. In general terms, the estimates for projects that appear beyond the first two years of the CIP are preliminary programming estimates. As a result, when the CIP is developed every other year (and updated in the intervening year), the cost estimates may change and require adjustments to the funding. There are several mechanisms in place to help address this uncertainty:

- In some cases, placeholder projects are used for outer years to recognize funding availability, for example Neighborhood Park Land Acquisition. This approach allows specific project priorities and estimates to be developed based on specific needs as they are identified.
- Preliminary programming estimates generally contain larger contingencies (10% of construction or higher), which can be refined as engineering design progresses.
- Funds are set aside toward capital contingencies. These take the form of reserves in both the general and utilities capital funds. These reserves are intended to be used to supplement project budgets when actual site conditions and market pricing vary from previous assumptions. These reserves provide a planned approach to dealing with the unknowns in capital planning.

As noted earlier, the CIP is a **funding plan**, rather than a spending plan. The amounts shown are the funding sources that are being planned for projects, generally preceding detailed design work. For example, projects may show as funded over two years, with the first year reflecting design and the second year showing construction, but the spending to complete the project may occur over a period of three to five years. This dynamic exists for a variety of reasons, including the ability to demonstrate that funding is available to match potential grants and to allow for coordination of projects across functions (for example, timing utility projects to coincide with resurfacing the roadway). The capital carryover that occurs at the beginning of each biennium is in part the recognition that cash has been set aside for projects, but not yet been spent.

The 2021 to 2026 CIP **inflates** each project by a percentage appropriate for that project category based on recent cost trends, so that the estimated future costs are taken into consideration. Likewise, some funding sources are indexed to inflation or increased annually based on historical trends, so that a similar methodology is employed on the resource and requirement sides. In many cases project amounts in the CIP are driven by available resources rather than growing costs of materials. For example, the Street Levy Street Preservation funding levels are based on the revenue projections for the 2012 Streets Levy. While inflation does not drive the funding amount, it does impact the work that can be accomplished with a given amount of funding.

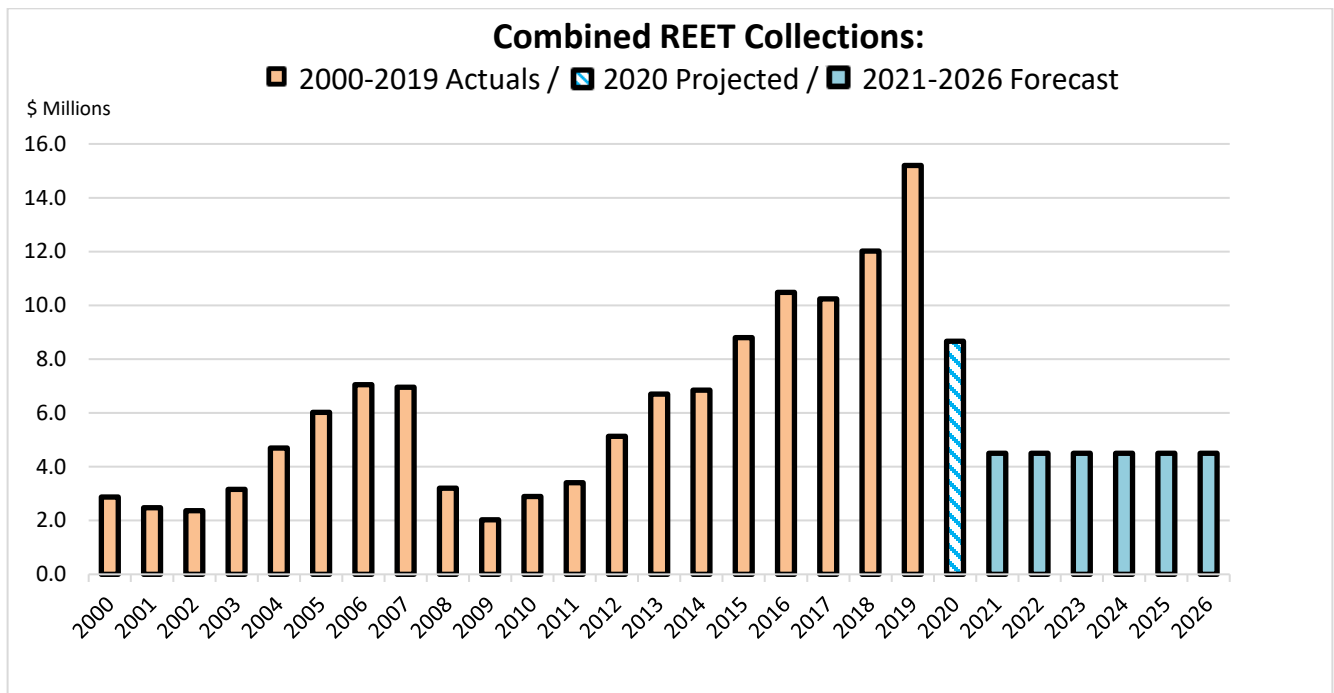
For most programs where inflation does apply, the inflation projection falls in the 4% to 10% range. As mentioned previously, in many cases project costs are based on engineering estimates, and contingencies and reserves are in place to buffer the impact of market conditions, significant price increases and scope changes.

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**. The revenue sources that comprise these categories are described below.

Current Revenue represents estimates of annual ongoing revenue that will be received from anticipated sources. These include excise and property tax revenues, impact fees charged to new development, and utility rates and charges for existing and new customers. These are largely distinguished by the fact that they are derived from the current year's economic, development, or usage activity. Notable assumptions for major current revenue sources are highlighted below.

- **Real Estate Excise Tax (REET)** consists of two 0.25 percent excise taxes levied by the City against real estate sales (referred to as REET 1 and REET 2, for a total of 0.5 percent). Collections have been strong, consistent with the economic and real estate market strength observed in recent years. Any discussion of strength in REET must also acknowledge its inherent volatility; its peak to trough drop after the collapse of the housing bubble in the mid-2000s was 71 percent. This is best shown by the following graph showing the trend since 2000.



A strong economy resulted in REET revenue exceeding budgeted amounts in 2017, 2018 and 2019, providing additional resources for projects. The revised 2019-2020 budget for REET assumed revenue of \$9.6 million in 2019 and \$2.5 million in 2020. The actual collections in 2019 was \$15.2 million. Staff has reserved this \$5.6 million of 2019 REET revenues above budget for two Council Work Program priorities. The first of these was \$4.45 million that was set aside for Fire Station 27 if the November 2020 ballot measure had not passed. As this measure was approved by voters, this funding will be returned to REET reserves in 2021. Additionally, \$1.14 million has been reserved for Affordable Housing as allowed by the new state REET flexibility for housing championed by Kirkland. As REET revenues have grown steadily for the past decade, and even accounting for the volatility in this revenue source, the City was also able to allocate \$1,200,000 in REET revenues annually to fund debt service for transportation capital projects and an additional \$180,250 in REET 1 beginning in 2022 to help fund debt service payments for

the Kirkland Justice Center. Strong REET revenue continued in 2020, totaling \$12.9 million for the year, \$10.4 million greater than originally budgeted.

To reflect the better than expected economic growth experienced recently, the REET revenue forecast for 2021-2026 assumes an increase in the annual level from \$2.5 million (2020 budget) to \$4.5 million. In 2021 through 2026, the CIP funding plan relies on an annual amount of \$2.5 million, excluding the \$1.2 million set aside for debt service for Transportation projects. Traditionally, the Kirkland budgeting philosophy for REET has relied on conservative projections; revenue above budget has been used to complete projects, match grants, and fund new and/or emergent needs in successive capital plans. Retaining this conservative approach mitigates the need to defund projects if more aggressive REET projections are used and economic circumstances change.

A total of approximately \$15.2 million of new REET revenue is budgeted in the six-year CIP, including \$11.9 million for Transportation projects and \$3.3 million for Parks projects. While not part of the CIP, it is worth noting that approximately \$388,500 per year is included in the operating budget to pay approved maintenance expenses as allowed by state law, with \$125,000 for maintenance of medians, landscaping and right-of-way trees, \$200,000 for Parks Maintenance and \$63,500 for enhanced maintenance on the Cross Kirkland Corridor (CKC).

The REET forecast is deliberately conservative given the historically high level of collections and past experience of volatility in the real estate market. 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. Beginning in 2021, REET revenues will be utilized for debt service payments following Council authorization and issuance of previously approved debt for transportation capital projects. The REET forecast developed as part of the 2021-2022 Budget process includes the use of REET for the debt service payments. As noted earlier, to acknowledge the growth in the last three years (2017-2019) the forecast for 2021-2026 assumes an increase in the annual level from \$2.5 million (2020 budget) to \$4.5 million for both operating and capital purposes. The table on the following page shows the sources and uses of REET for the years of this CIP.

Capital Improvement Program – 2021 to 2026

REET 1 Sources & Uses Table						
Sources	2021	2022	2023	2024	2025	2026
REET 1 - Estimated Starting Balance (PY Balance + Reser	\$ 8,150,775	\$ 71,429	\$ 349,679	\$ (296,071)	\$ (665,821)	\$ (701,571)
REET 1 - Current Revenues (Budget)	\$ 2,250,000	\$ 2,250,000	\$ 2,250,000	\$ 2,250,000	\$ 2,250,000	\$ 2,250,000
REET 1 - Interest Earnings (Estimate)	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -
Total REET 1 Sources	\$ 10,425,775	\$ 2,346,429	\$ 2,599,679	\$ 1,953,929	\$ 1,584,179	\$ 1,548,429
Uses						
REET 1: Debt Service	\$ (600,000)	\$ (780,250)	\$ (780,250)	\$ (780,250)	\$ (780,250)	\$ (780,250)
REET 1: Maintenance REET 1 Flexibility	\$ (388,500)	\$ (388,500)	\$ (263,500)	\$ (263,500)	\$ (263,500)	\$ (263,500)
REET 1: Parks CIP	\$ (172,000)	\$ (62,000)	\$ (1,119,000)	\$ (859,000)	\$ (692,000)	\$ (347,000)
REET 1: Public Works Transportation CIP	\$ (736,000)	\$ (766,000)	\$ (733,000)	\$ (717,000)	\$ (550,000)	\$ (950,000)
REET 1: 100th Avenue Improvements	\$ (1,500,000)	\$ -	\$ -	\$ -	\$ -	\$ -
REET 1: Village at Totem Lake Phase 2 Payment	\$ (2,500,000)	\$ -	\$ -	\$ -	\$ -	\$ -
REET 1: Set Aside for Fire Station 27	\$ (4,457,846)	\$ -	\$ -	\$ -	\$ -	\$ -
REET 1: Minimum Reserves (Policy \$1 million)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total REET 1 Uses	\$ (10,354,346)	\$ (1,996,750)	\$ (2,895,750)	\$ (2,619,750)	\$ (2,285,750)	\$ (2,340,750)
REET 1 Balance	\$ 71,429	\$ 349,679	\$ (296,071)	\$ (665,821)	\$ (701,571)	\$ (792,321)
REET 2 Sources & Uses Table						
Sources	2021	2022	2023	2024	2025	2026
REET 2 - Estimated Starting Balance (PY Balance + Reser	\$ 8,958,876	\$ 2,103,535	\$ 317,535	\$ 621,535	\$ 734,535	\$ 1,444,535
REET 2 - Current Revenues (Budget)	\$ 2,250,000	\$ 2,250,000	\$ 2,250,000	\$ 2,250,000	\$ 2,250,000	\$ 2,250,000
REET 2 - Interest Earnings (Estimate)	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
Total REET 2 Sources	\$ 11,233,876	\$ 4,378,535	\$ 2,592,535	\$ 2,896,535	\$ 3,009,535	\$ 3,719,535
Uses						
REET 2: Debt Service	\$ (600,000)	\$ (600,000)	\$ (600,000)	\$ (600,000)	\$ (600,000)	\$ (600,000)
REET 2: Public Works Transportation CIP REET 2	\$ (1,593,000)	\$ (1,461,000)	\$ (1,371,000)	\$ (1,562,000)	\$ (965,000)	\$ (1,537,000)
REET 2: 100th Avenue Improvements	\$ (2,500,000)	\$ -	\$ -	\$ -	\$ -	\$ -
REET 2: 124th Ave NE Improvements	\$ -	\$ (2,000,000)	\$ -	\$ -	\$ -	\$ -
REET 2: Village at Totem Lake Phase 2 Payment	\$ (3,296,341)	\$ -	\$ -	\$ -	\$ -	\$ -
REET 2: Set Aside for Affordable Housing	\$ (1,141,000)	\$ -	\$ -	\$ -	\$ -	\$ -
REET 2: Minimum Reserves (Policy \$1 million)	\$ -	\$ (300,000)	\$ (600,000)	\$ (700,000)	\$ (1,000,000)	\$ (1,000,000)
Total REET 2 Uses	\$ (9,130,341)	\$ (4,361,000)	\$ (2,571,000)	\$ (2,862,000)	\$ (2,565,000)	\$ (3,137,000)
REET 2 Balance	\$ 2,103,535	\$ 17,535	\$ 21,535	\$ 34,535	\$ 444,535	\$ 582,535

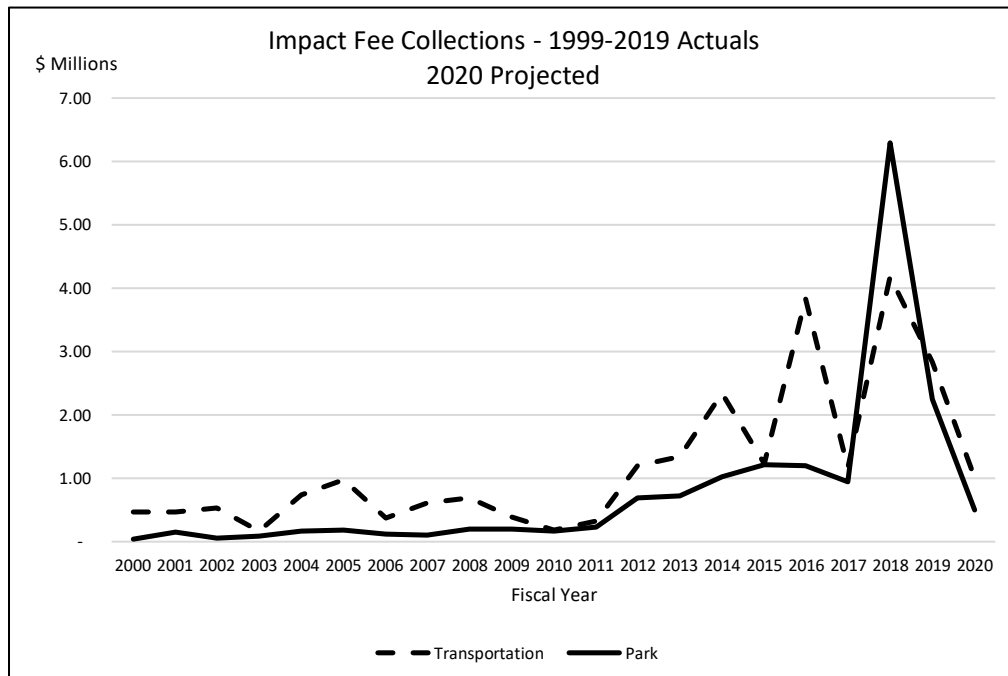
- **Property Tax Levy Lid Lifts** – On November 6, 2012, Kirkland voters approved two property tax levies to support street maintenance and pedestrian safety and parks maintenance, restoration and enhancement. In 2021 these levies are expected to generate \$3,611,116 and \$2,820,224 for these purposes, respectively. Revenues from the two levies are deposited in the Street Operating and Parks Levy Funds, and a set amount is transferred into the CIP for specific capital uses. The following table shows the projected allocation of the levy revenues between capital and operating uses in the 2021-2022 budget.

Park and Street Levy Budget Allocations		
	2021	2022
<u>2012 Street & Pedestrian Safety Levy</u>		
Total Revenue	3,611,116	3,701,394
Operating Budget	878,116	941,394
Capital Improvements Program	2,733,000	2,760,000
<u>2012 Park Levy</u>		
Total Revenue	2,820,224	2,890,730
Net Available for Operating Budget	2,570,224	2,640,730
Capital Improvement Program	250,000	250,000

Property tax growth (absent new voter-approved levies) is limited by state law to 1 percent plus the growth in value from new construction, which is assumed to be 1 percent per year through 2026. Projected growth in the Road and Park Levies is allocated to the operating uses.

On November 2, 2020, Kirkland voters approved the Fire and Emergency Medical Services Proposition 1 (Fire Prop 1), a levy lid lift measure to fund Fire Station modernization improvements and fire/EMS operations. With the passage of Fire Prop 1, the suite of unfunded Fire station improvement projects become funded projects in future years. Due to the need to establish more detailed timeframes for all the projects, no changes were made to the final 2021-2026 CIP adopted by Council on December 8, 2020. Staff will bring amendments to the Council for fire/EMS operations and Public Safety CIP projects during the first quarter of 2021.

- **Impact Fees** – Impact fees are charged to new development projects to provide revenue to build infrastructure to service the population growth attributed to the new development. The CIP includes funding from impact fees to build Park and Transportation projects. Similar to REET, impact fee collections have been strong in recent years, as shown on the following page. The amount shown for 2020 reflects the revenue estimated for the year, which provided the available amount when creating this CIP. Actual revenue collection for 2020 continued to be strong, so year end actuals will likely be closer to the 2019 amount.



The 2021-2026 CIP includes \$4.32 million from Transportation Impact Fees and \$7.20 million from Park Impact Fees, based on a conservative forecast of future collections of \$1.5 million for transportation and \$1.2 million for parks per year, plus accumulated prior year revenues above expenses.

- **Utility Rates, Charges and Fees** – The utilities capital program funds equipment and infrastructure requirements of the City's water/sewer and surface water utilities. Funding for the program comes from rates, fees and charges assessed on current and new utility customers. The fees and rates are determined based on rate studies performed for each utility.

Reserves are used in a variety of ways in the CIP. Reserves used in the 2021-2026 CIP have been accumulated over time for specific purposes (e.g. water/sewer capital replacement reserve and accumulated REET and impact fee balances). The adopted CIP incorporates the use of reserves to fund matching contributions for some grant-funded transportation projects, and to fund the portion of impact fee funded projects that are not capacity-related. Dedicated sinking fund reserves are also used to fund routine building repairs, vehicle replacements, and equipment purchases for public safety and information technology.

Debt represents a commitment to repay borrowed funds over an extended period of time. While the City has a relatively large legal debt capacity, the main constraint is the ability to repay the debt. Councilmanic bonded debt is supported from existing revenues, while voter approved debt comes with a new revenue stream to support debt service. An additional constraint is the time period for which the debt can be issued (limited to the life of the asset and a maximum of 30 years by current City fiscal policy).

External sources are primarily grants but can also take the form of contributions from other governments (shared projects) or from private sources (such as developers). The CIP includes both

Capital Improvement Program – 2021 to 2026

secured funding, as well as funding that has not yet been secured, assuming a percentage consistent with successful grant receipts of prior years.

The 2021-2026 CIP is based on the funding matrix shown on the following table and incorporates the aforementioned current revenue assumptions as well as existing reserves and external revenues.

**2021-2026 Capital Improvement Program
Programmed Revenue Sources (in thousands)**

Dedicated Revenue	2021	2022	2023	2024	2025	2026	6-Year Total
Transportation							
Gas Tax	660	673	686	700	700	700	4,119
Gas Tax (Transportation Package)	200	200	250	150	200	200	1,200
Business License Fees	270	270	270	270	270	270	1,620
Real Estate Excise Tax (REET) 1	736	766	733	717	550	950	4,452
Real Estate Excise Tax (REET) 2	1,189	1,311	1,251	1,212	965	1,537	7,465
Street & Pedestrian Safety Levy	2,733	2,760	2,788	2,816	2,816	2,816	16,729
Transportation Impact Fees	1,500	1,500	1,320	-	-	-	4,320
Utility Rates	500	541	500	130	30	333	2,034
Solid Waste Street Preservation	386	393	401	409	417	425	2,431
REET 2 Reserve	2,904	2,150	120	350	-	-	5,524
REET 1 Reserve	1,500	-	-	-	-	-	1,500
Carryover/Prior Year Funds	964	-	-	-	-	-	964
Debt	-	1,982	-	-	-	-	1,982
Secured External Sources	4,400	3,842	1,480	1,600	-	-	11,322
Unsecured External - Sound Transit	900	3,800	6,300	-	-	-	11,000
Unsecured External Sources	-	-	3,679	4,336	2,569	2,985	13,569
Subtotal Transportation	18,842	20,188	19,778	12,690	8,517	10,216	90,231
Parks							
Real Estate Excise Tax 1	172	62	1,119	859	692	347	3,251
Park Impact Fees	1,200	1,200	1,200	1,210	1,190	1,200	7,200
Parks Levy	250	250	250	250	250	250	1,500
King County Park Levy	353	353	353	353	353	353	2,118
Park Facilities Sinking Fund	162	169	146	160	150	243	1,030
Carryover/Prior Year Funds	100	-	-	-	-	-	100
External Sources	-	160	720	560	560	560	2,560
Subtotal Parks	2,237	2,194	3,788	3,392	3,195	2,953	17,759
General Government: Technology, Facilities & Public Safety							
General Fund Contributions for:							
Public Sfty. Equip. Sinking Fund	173	126	963	1,067	303	281	2,913
Technology Equip. Sinking Fund	170	333	100	461	150	93	1,307
Utility Rates	64	73	64	83	64	72	420
Facilities Life Cycle Reserve	1,244	150	936	922	385	557	4,194
General Fund Reserves	1,000	-	-	-	-	-	1,000
General Fund Cash	49	70	49	95	49	70	382
Subtotal General Government	2,700	752	2,112	2,628	951	1,073	10,216
Utilities							
Utility Connection Charges	425	1,325	1,085	945	945	945	5,670
Utility Rates - Surface Water	1,811	1,942	2,800	2,738	2,638	4,506	16,435
Utility Rates - Water/Sewer	4,789	4,861	5,083	5,400	5,770	5,770	31,673
Reserves	1,752	1,259	1,730	420	1,450	50	6,661
External Sources	865	1,994	-	-	-	-	2,859
Subtotal Utilities	9,642	11,381	10,698	9,503	10,803	11,271	63,298
Total Revenues	33,421	34,515	36,376	28,212	23,466	25,513	181,503

* Totals in table may differ to other written Total Program amounts due to rounding.

PROJECT HIGHLIGHTS

The CIP reflects Council deliberations and decisions regarding strategies to address near-term needs and meet existing obligations while exploring opportunities to fund longer-term goals. The total adopted CIP is summarized below, followed by project highlights organized by program area.

Total CIP

As shown in the following table, the 2021-2026 funded CIP totals \$181.5 million, which is 21 percent of the total identified needs of \$864.2 million.

**2021-2026 Capital Improvement Program
Summary of Total Identified Needs**

	6-year Funded CIP	Unfunded- Future City Revenues	Unfunded- External/New Revenues	Total CIP
Transportation	90,230,925	189,635,500	196,922,800	476,789,225
Parks	17,758,400	74,514,800	96,000,000	188,273,200
General Government				
Facilities	5,194,800	-	-	5,194,800
Technology	2,106,700	405,000	-	2,511,700
Public Safety	2,913,300	-	55,800,000	58,713,300
Subtotal	118,204,125	264,555,300	348,722,800	731,482,225
Water/Sewer	45,417,000	38,172,000	10,861,000	94,450,000
Surface Water Mgmt	17,880,600	20,422,000	-	38,302,600
Utilities Subtotal	63,297,600	58,594,000	10,861,000	132,752,600
Total 2021-2026 CIP	181,501,725	323,149,300	359,583,800	864,234,825

Staff has further refined the unfunded list to distinguish between those projects that would be candidates for funding from existing revenue sources after 2026 and those that are not likely to be funded without substantial external and/or new revenues. This line is drawn largely by the size of the project, using the current funding mixture of the funded programs as a guide for the scope of projects that normally would not be pursued without significant external and/or new revenue.

An exception would be a set of unfunded Transportation projects that fall outside the 20-year Transportation Master Plan window unless new funding is available. These are included in the CIP due to their prospective inclusion in the City's Transportation Improvement Plan submittal to the State in the Spring of every year, which is required for grant eligibility. Determining what fits in this category is an art more than a science, and in that sense is imperfect. It does, however, provide a finer level of detail on funding constraints for building projects on the unfunded list. Almost half of the \$359 million total projects that would require new/external funding is comprised of three projects, including:

- Community Recreation Facility construction;
- Fire Station Modernization projects (as noted earlier staff will bring amendments to Council for fire station CIP projects during the first quarter of 2021); and,
- West of Market Sewermain Replacement Phase 2

The table that follows shows the projects considered “unfunded external/new revenue”.

Unfunded Projects Requiring Debt or External Funding		
Project Number	Project Title	Total
Transportation		
STC 05600	132nd Avenue NE Roadway Improvements	25,170,000
STC 06100	119th Avenue NE Roadway Extension	5,640,000
STC 06200	NE 130th Street Roadway Improvements	10,000,000
STC 06400	124th Avenue NE Roadway Extension	30,349,000
STC 07300	120th Avenue NE Roadway Extension	16,392,000
STC 08600	Finn Hill Emergency Vehicle Access Connection	900,000
NMC 03000	NE 90th Street/I-405 Pedestrian/Bicycle Overpass	3,740,700
NMC 03100	Crestwoods Park/CKC Corridor Ped/Bike Facility	2,505,000
NMC 03200	93rd Avenue Sidewalk	1,047,900
NMC 04300	NE 126th St Nonmotorized Facilities	4,277,200
NMC 04600	18th Avenue SW Sidewalk	2,255,000
NMC 05000	NE 80th Street Sidewalk	859,700
NMC 05400	13th Avenue Sidewalk	446,700
NMC 05500	122nd Ave NE Sidewalk	866,700
NMC 05800	111th Avenue Non-Motorized/Emergency Access Connection	2,000,000
NMC 06200	19th Avenue Sidewalk	814,200
NMC 07400	90th Ave NE Sidewalk	353,400
NMC 08000	Juanita-Kingsgate Pedestrian Bridge at I405	4,500,000
NMC 08600	Cross Kirkland Corridor Non-motorized Improvements	65,742,000
NMC 087xx	19th Ave NE/4th St Sidewalks and Crossing of Market Street	2,443,500
NMC 087xx	Reflective Flashing Beacon at 106th Ave NE Crossing NE 68th St	134,800
NMC 087xx	NE 124th Street Sidewalk	462,000
NMC 10600	Citywide CKC Connections	360,000
NMC 10700	CKC to Downtown Surface Connection	2,000,000
TRC 06700	Kirkland Way/CKC Bridge Abutment/Intersection Imprv	6,917,000
TRC 11400	Slater Avenue NE Traffic Calming - Phase I	247,000
TRC 11704	NE 68th Street Intersection Improvements/Access Management	4,375,000
TRC 12300	Slater Avenue NE (132nd Avenue NE)/NE 124th Street	2,124,000
	Transportation Subtotal	196,922,800
Public Safety		
PSC 30020-30080	Fire Station Modernization Projects	55,800,000
	Public Safety Subtotal	55,800,000
Parks		
PKC 12210	Community Recreation Facility Construction	96,000,000
	Parks Subtotal	96,000,000
Utilities		
SSC 07799	West of Market Sewermain Replacement Phase 2	10,861,000
	Utilities Subtotal	10,861,000
Total All Programs		359,583,800

PROJECT HIGHLIGHTS BY PROGRAM AREA

TRANSPORTATION

There are 39 funded projects in the 2021-2026 CIP totaling \$90,230,925. This total includes twelve new projects that are planned to begin during the 2021-2026 CIP cycle totaling \$18,007,000. They have been identified as the next prioritized projects or were added due to the work of other agencies, such as Sound Transit or King County, in the City.

- **STC 00608 – Local Road Maintenance** (\$300,000)
- **STC 00609 – Totem Lake Boulevard & 120th Avenue NE Preservation** (\$555,000)
- **STC 10700 – NE 85th Street Ped/Bike Connection 114th Avenue NE to 6th Street** (\$6,900,000)
- **STC 10800 – NE 85th Street and 6th Street Westbound Transit Queue Jump** (\$1,300,000)
- **STC 10900 – NE 85th Street Eastbound Third Lane 120th Ave NE to 122nd Ave NE** (\$2,700,000)
- **NMC 08720 – NE 131st Way/90th Ave NE Nonmotorized Improvements (97th Ave NE to NE 134th St) Scope and Design** (\$439,000)
- **NMC 12500 – CKC Lighting 120th Avenue NE to NE 124th Street** (\$680,000)
- **NMC 12600 – School and Transit Connector Sidewalk on 120th Avenue NE** (\$130,000)
- **NMC 12700 – Juanita Drive Nonmotorized Improvements 79th Way NE to NE 120th Street** (\$680,000)
- **NMC 12800 – CKC/Eastrail Crossing Study at 132nd Avenue NE** (\$100,000)
- **NMC 12900 – Pedestrian Safety Improvements (Downtown & NE 124th Street)** (\$1,665,000)
- **TRC 13800 – NE 100th Street/132nd Avenue NE Intersection Improvements** (\$2,558,000)

Safer Routes to School Action Plans Implementation – As requested by Council at the [August 4, 2020](#) Council meeting, a funding mechanism to implement the Safer Routes to School Action Plans has been designed and programmed into the 2021-2026 CIP. This was accomplished by encompassing multiple existing CIP projects and creating new projects.

- **NMC 08700 – Citywide School Walk Route Enhancements:** This existing project is rebranded with the new title of **Safer Routes to School Action Plans Implementation** and funded by multiple sources including Street Levy funds, REET 2 and School Zone Camera revenue.
- **NMC 08720 – NE 131st Way/90th Ave NE Nonmotorized Improvements (97th Ave NE to NE 134th St) Scope and Design:** This new CIP project funds design and scope work for a group of improvements including 3,000 feet of extruded curb, guardrail repair, and surface water drainage improvements. The Council inquired at the September 1, 2020 meeting if the project could be extended to NE 137th Street for continuity. Scoping for this section can be included in the project within the existing funding. Based on the results of the scoping, staff will be able to clarify final scoping and design needs including ROW, roadway widths and alignment, and sensitive area review. Note that additional funding will be necessary for construction of the identified improvements at a future date.
- **NMC 087xx Unfunded Projects:** Three new unfunded school walk route projects added to the unfunded CIP are candidates for School Walk Route grants through the WA State Department of Transportation. Grant applications have been submitted for all three projects as a funding source that would move the projects to the funded list if successful. These projects

do not currently have full project numbers. If the three grant applications are successful these projects will be assigned full numbers in the order they receive funding.

- **NMC 087xx – 19th Ave NE/4th St Sidewalks at Crossing of Market Street** (project estimate of \$2,443,500)
- **NMC 087xx – Reflective Flashing Beacon at 106th Ave NE Crossing NE 68th St** (project estimate of \$134,800)
- **NMC 087xx – NE 124th Street Sidewalk** (project estimate of \$462,000)
- **Street Preservation Programs** – There are five separate projects related to preserving City streets, alleys, and parking lots programmed into the 2021-2026 CIP. Annual investment in City roadways is vital to maintaining optimal road conditions, allowing for more cost-effective preventative maintenance treatments to be used, as opposed to costlier rehabilitation treatments required for pavement in poor condition. The following projects are funded by a combination of gas tax, street levies, REET, business license revenue and funding from the Solid Waste fund.
 - STC 00600 – Annual Street Preservation Program (\$9,450,000) in total across 2021-2026.
 - STC 00603 – Street Levy Street Preservation (\$14,179,000) in total across 2021-2026.
 - STC 00604 – Central Way Preservation Construction (\$2,025,000) funded in 2021.
 - STC 00608 – Local Road Maintenance (new project) (\$300,000) in total across 2021-2026.
 - STC 00609 – Totem Lake Boulevard & 120th Ave NE Preservation (new project) (\$555,000) funded in 2021.
- **100th Avenue Roadway Improvements** – This improvement includes a suite of projects including the following four projects that are planned in the 2021-2026 CIP:
 - STC 08313 – 100th Ave NE Roadway Improvements (North Section) (\$1,730,900) funded in 2021-2022 and includes an additional \$3,730,500 of funding from prior years.
 - STC 08314 – 100th Ave NE Roadway Improvements (Mid-North Section) (\$2,584,000) funded in 2021 and includes \$5,569,300 of funding from prior years.
 - TRC 13500 – 100th Ave NE/Simonds Road Intersection Improvements (\$582,000) funded in 2021 and includes \$1,254,400 of funding from prior years.
 - TRC 13600 – 100th Ave NE/NE 145th St Intersection Improvements (\$574,900) funded in 2021-2022 and includes an additional \$1,293,500 of funding from prior years.

As of the writing of this document, an environmental determination from National Marine Fisheries Service (NWFS) must be made before the projects can proceed to the construction phase. The project continues toward full design and acquiring all easement needs. Without the approval of the environmental permits the projects will not be able to proceed. Additionally, these projects were originally planned to be funded with external funding, however this funding was not secured. This funding gap has been closed with REET revenues that came in above original budgeted expectations in 2020.

- **STC 05913 – 124th Ave NE Roadway Improvements (North Section) Construction:** The City applied for a Transportation Improvement Board (TIB) grant in August for \$3,982,000,000 to fund increased cost estimates. In November, the City received notification that this application was unsuccessful. Given the strong revenue growth in REET and the priority of this project, this project was retained as part of the funded CIP and funded with a combination of REET 2 (\$2,000,000) and a debt (\$1,982,000).

- **TRC 09800 – NE 132nd St/116th Way NE (I-405) Intersection Improvements:** This project was previously approved in the 2017-2022 CIP for a total of \$300,000 in 2017-2018. The City received new funding from WSDOT to pay for in-house engineering for an updated project scope. The new funding is up to \$202,125 and begins in 2021.

PARKS

There are 16 funded projects in the 2021-2026 CIP totaling \$17,758,400. Recurring projects include park and play area enhancements, dock and shoreline infrastructure, park restroom renovations, a City School playfield partnership project, and park land acquisition. Five new projects are planned to begin starting in year 2023 through 2026 totaling \$3,334,600. They have been identified as the next prioritized projects based on the Parks capital project rating scale:

- **PKC 1590000 – Off Leash Dog Areas** (\$1,869,600): Programmed in total from 2024 to 2026.
- **PKC 1610000 – McAuliffe Park Sanitary Sewer** (\$325,000): Programmed in 2025.
- **PKC 1620000 – Wayfinding and Park Signage Program Plan** (\$700,000): Programmed in total from 2023 to 2026.
- **PKC 1630000 – Trail Upgrades** (\$320,000): Programmed in total from 2023 to 2026.
- **PKC 1700000 – ADA Compliance Upgrades** (\$120,000): Programmed in 2024.

GENERAL GOVERNMENT

Facilities

The 2021-2026 Facilities CIP consists of recurring projects that provide for the replacement of facility infrastructure systems such as roofing, flooring, mechanical/HVAC systems, electrical and lighting systems, windows, and the painting of facilities. Funding for the CIP projects comes from annual contributions from the operating funds into individual facility sinking funds. The five CIP projects encompassing all the facility infrastructure system replacements and upgrades totals \$5,194,800 for the 6-year period.

- **GGC 04400 – Virtual Service Center:** The project was previously titled **City Hall Expansion** and was previously approved with \$1 million funded from the Development Services Reserve in the General Fund. An additional \$1 million from the Development Services Reserve is planned for 2021. Council has authorized schematic design and cost estimates prior to proceeding with implementation. Approving the CIP does not commit the Council to fund this project. If the Council chooses not to proceed in 2021, the revenues will be returned to the Development Services Reserve.

Information Technology

The 2021-2026 Information Technology CIP includes recurring projects that provide for the replacement of network technology equipment such as small on-site servers, storage, infrastructure and phone systems as well as citywide copier replacements. Additionally, GIS systems are improved through capital funding over the course of the 6-year CIP. Funding for the equipment replacement and GIS improvements comes from a combination of General and Utility Fund contributions. The six CIP projects encompassing all the information technology infrastructure system replacements and upgrades totals \$2,106,700 for the 6-year period.

PUBLIC SAFETY

The 2021-2026 Public Safety CIP includes recurring equipment replacement projects for both the Fire and Police Departments. The equipment replacements are funded from sinking fund reserves that are funded by annual transfers from the General Fund. The five CIP projects encompassing all the public safety equipment replacements and upgrades totals \$2,913,300 for the 6-year period.

With the November 2020 passage of Proposition 1, Fire and EMS Levy, the suite of unfunded Fire station improvement projects (PSC3004-3008) become funded projects in future years. As of the writing of this document the exact timeline for these projects is still being determined. This process will be completed in the first quarter of 2021, and the projects will be added to the funded CIP at the next update cycle.

WATER/SEWER

There are 16 funded projects in the 2021-2026 CIP totaling \$45,417,000. Twelve projects are Water-related totaling \$25,056,500 and four projects are Sewer-related totaling \$20,360,500.

- The Water portion of the CIP includes one new project in 2021-2022:
 - **WAC 16900 - NE 85th St and I-405 Watermain Relocation** (\$6,510,000): Project tied to WSDOT 405/Kirkland Interchange and Inline Station Project (KIISP).
- The Sewer portion of the CIP includes two new projects in 2022-2023:
 - **SSC 08600 - 8th Ave W Sewermain Improvement** (\$1,918,000)
 - **SSC 08700 - West of Market Sewermain Replacement Predesign** (\$500,000)

SURFACE WATER

There are 21 funded projects in the 2021-2026 CIP totaling \$17,880,600. Nine new projects are planned to begin during the 2021-2026 CIP period; they have been identified as the next prioritized projects in the Comprehensive Plan and are listed below:

- **SDC 12700 - Storm Rehabilitation at Rose Point Lift Station** (\$487,900): Project has been moved out to year 2026.
- **SDC 12800 - NE 85th St/122nd Ave Stormwater Improvements** (\$375,000): Associated with NE 85th St Channelization.
- **SDC 12900 - NE Juanita Drive Storm Failure Near 86th Ave NE** (\$225,000).
- **SDC 13200 - Water Quality treatment and Infiltration at NE 111th PI / 127th PI NE** (\$1,413,500): The City secured a \$1,060,100 grant which completes project funding consistent with the additional strategies to address the economic impact of COVID-19.
- **SDC 13300 - Bioretention, Water Quality Treatment, and Storage at 126th Ave NE** (\$200,000): The City secured an \$86,500 grant which completes project funding consistent with the additional strategies to address the economic impact of COVID-19.
- **SDC 13900 - 122nd Avenue NE Storm replacement** (\$992,500): Aging and failing infrastructure.
- **SDC 14000 - Holiday Drive Conveyance Improvement Study** (\$350,000): Conveyance system to take the water off Holiday Drive, down the steep slope and into Big Finn Hill Park.

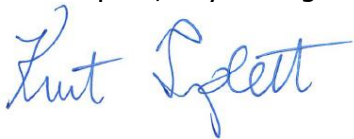
- **SDC 14100 - Storm Line Rehabilitation on NE 136th Street** (\$1,050,000): Aging and failing infrastructure.
- **SDC 14200 - 93rd Avenue NE Hillside Improvements** (\$1,158,000): Kirkland-owned open space property experiencing severe erosion down a steep hillside; project will need to include design options to remedy issue.

CONCLUSION

The 2021 to 2026 CIP reflects the prioritization criteria and provides infrastructure investments that are important to our community and enhance the quality of life. It was developed to be decisive and responsive by applying all the tools available to identify where to invest the available funds to best align with public input and Council policy guidance, while recognizing COVID-related uncertainty and leveraging external funding sources.

Respectfully submitted,

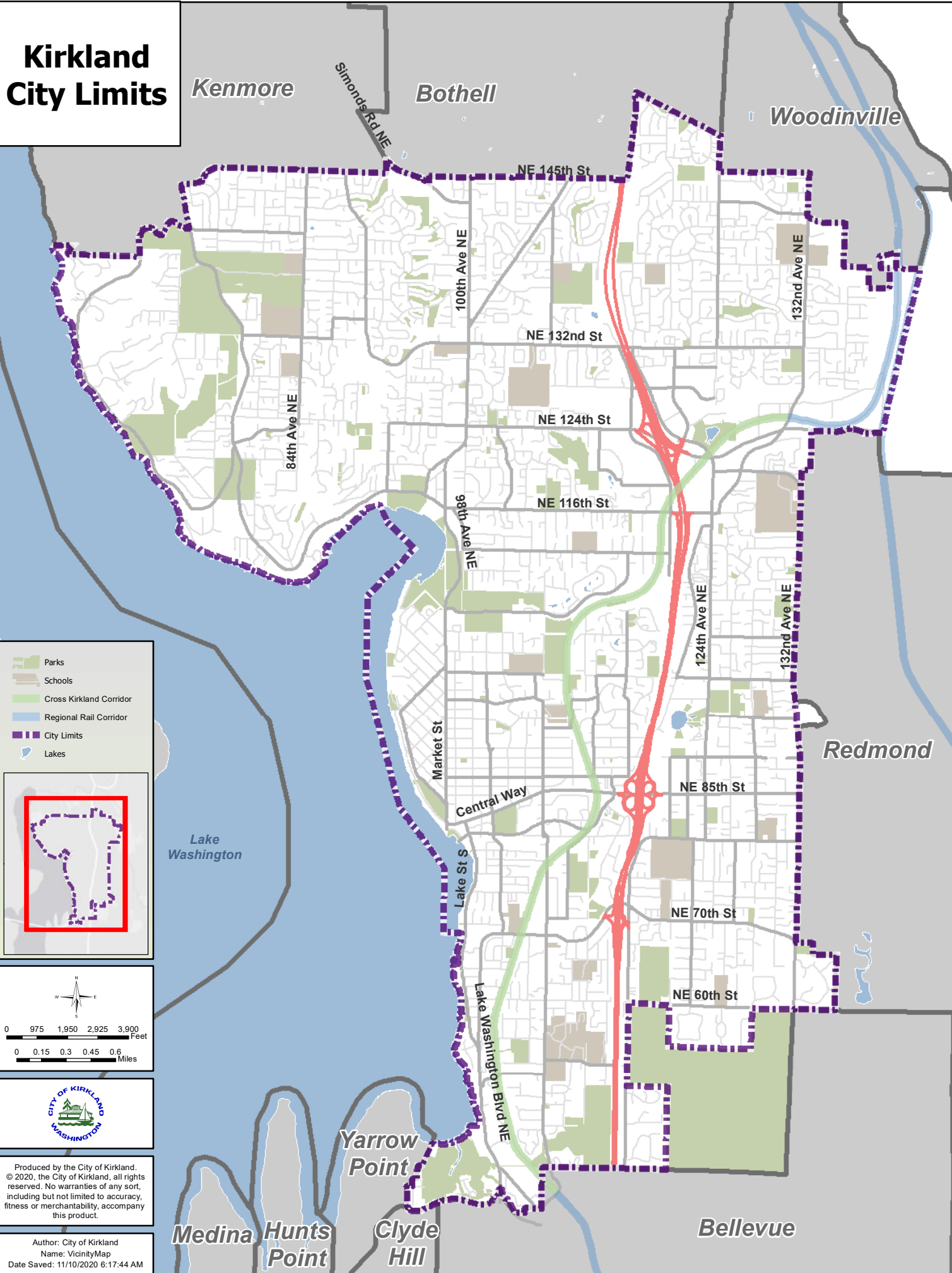
Kurt Triplett, City Manager

A handwritten signature in blue ink that reads "Kurt Triplett". The signature is written in a cursive, flowing style.

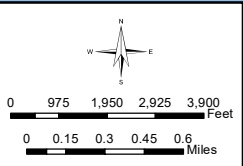
Michael Olson, Director of Finance and Administration

A handwritten signature in blue ink that reads "Michael Olson". The signature is written in a cursive, flowing style.

Kirkland City Limits



Parks
 Schools
 Cross Kirkland Corridor
 Regional Rail Corridor
 City Limits
 Lakes



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Summary



Capital Improvement Program

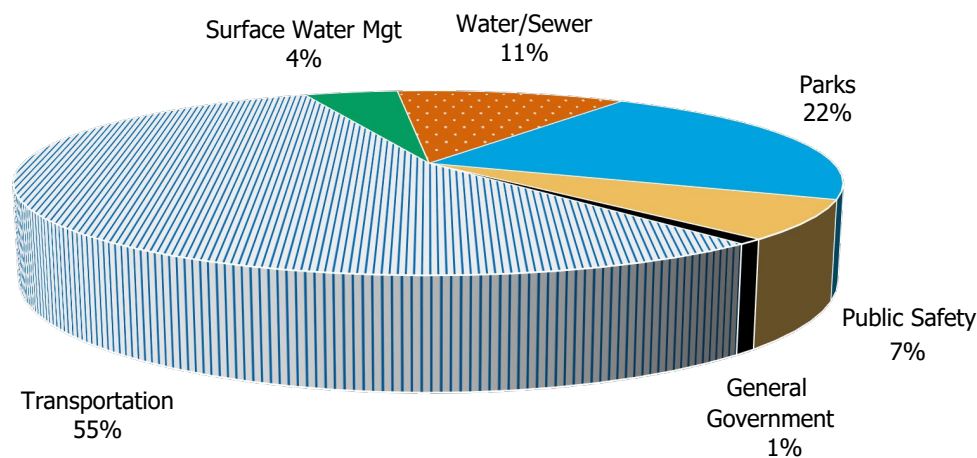


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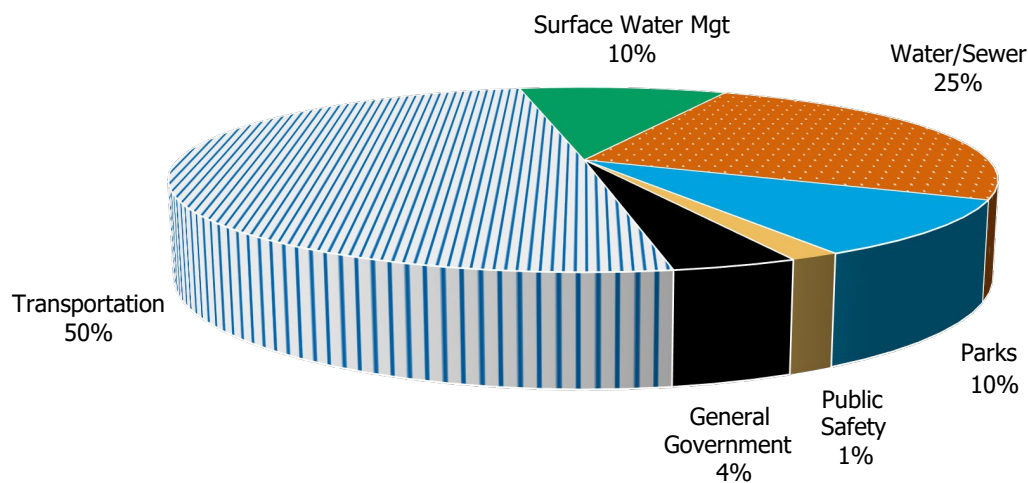
City of Kirkland
Capital Improvement Program
2021-2026



Requested - \$864,234,825



Funded - \$181,501,725



City of Kirkland

Capital Improvement Program

2021-2026

2021-2026 Capital Improvement Program Summary of Total Identified Needs

	6-year Funded CIP	Unfunded- Future City Revenues	Unfunded- External/New Revenues	Total CIP
Transportation	90,230,925	189,635,500	196,922,800	476,789,225
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List of projects and project descriptions are located in each category section:

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Transportation	31
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General Government	54
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Water/Sewer	66
Surface Water Mgt.	76

Neighborhood Summary



CITY OF KIRKLAND
2021-2026 Capital Improvement Program
Projects by Neighborhood

City-wide

Project Number	Project Title	Project Start
GGC0440000	VIRTUAL SERVICE CENTER	2020

Bridle Trails

Project Number	Project Title	Project Start
WAC1290000	SOUTH RESERVOIR SEISMIC AND RECOATING CONSTRUCTION	2021

Central Houghton

Project Number	Project Title	Project Start
WAC0520000	108TH AVENUE NE WATERMAIN REPLACEMENT	2020
PTC0040000	108TH AVENUE NE TRANSIT QUEUE JUMP - PHASE I	2023
PTC0050000	108TH AVENUE NE TRANSIT QUEUE JUMP - PHASE II	2023

City-wide

Project Number	Project Title	Project Start
TRC1200000	KIRKLAND INTELLIGENT TRANSPORTATION SYSTEM PHASE 3	2018
NMC0870000	SAFER ROUTES TO SCHOOL ACTION PLANS IMPLEMENTATION	2021
STC0060800	LOCAL ROAD MAINTENANCE	2021
NMC1130000	CITYWIDE GREENWAYS NETWORKS	2023
PKC1540000	INDOOR RECREATION & AQUATIC FACILITY STUDY	2023
PKC1560000	PARK RESTROOMS RENOVATION/REPLACEMENT PROGRAM	2023
PKC1620000	WAYFINDING AND PARK SIGNAGE PROGRAM PLAN	2023
PKC1630000	TRAIL UPGRADES	2023
PKC1590000	OFF-LEASH DOG AREAS	2024
PKC1700000	ADA COMPLIANCE UPGRADES	2024
PKC1570000	NEIGHBORHOOD PARK DEVELOPMENT PROGRAM	2025
GGC0080000	ELECTRICAL, ENERGY MANAGEMENT, AND LIGHTING SYSTEMS	Ongoing
GGC0090000	MECHANICAL/HVAC SYSTEMS REPLACEMENTS	Ongoing
GGC0100000	PAINTING, CEILINGS, PARTITION, AND WINDOW REPLACEMENTS	Ongoing
GGC0110000	ROOFING, GUTTER, SIDING AND DECK REPLACEMENTS	Ongoing
GGC0120000	FLOORING REPLACEMENTS	Ongoing
ITC1000000	NETWORK SERVER AND STORAGE REPLACEMENTS	Ongoing
ITC1100000	NETWORK INFRASTRUCTURE	Ongoing
ITC1300000	NETWORK PHONE SYSTEMS	Ongoing
ITC1400000	NETWORK SECURITY	Ongoing
ITC2000000	GEOGRAPHIC INFORMATION SYSTEMS	Ongoing
ITC5000000	COPIER REPLACEMENTS	Ongoing
NMC0570000	ANNUAL SIDEWALK MAINTENANCE PROGRAM	Ongoing

CITY OF KIRKLAND
2021-2026 Capital Improvement Program
Projects by Neighborhood

NMC1101000	CITYWIDE ACCESSIBILITY IMPROVEMENTS	Ongoing
PKC0490000	OPEN SPACE, PARK LAND & TRAIL ACQUISITION GRANT MATCH PROGRAM	Ongoing
PKC0660000	PARKS, PLAY AREAS & ACCESSIBILITY ENHANCEMENTS	Ongoing
PKC1331000	DOCK AND SHORELINE RENOVATIONS	Ongoing
PKC1332000	CITY-SCHOOL PLAYFIELD PARTNERSHIP	Ongoing
PKC1333000	NEIGHBORHOOD PARK LAND ACQUISITION	Ongoing
PKC1510000	PARK FACILITIES LIFE CYCLE PROJECTS	Ongoing
PSC0710000	SELF-CONTAINED BREATHING APPARATUS (SCBA)	Ongoing
PSC0760000	PERSONAL PROTECTIVE EQUIPMENT	Ongoing
PSC1000000	POLICE EQUIPMENT REPLACEMENT	Ongoing
PSC2000000	FIRE EQUIPMENT REPLACEMENT	Ongoing
SDC0470000	ANNUAL REPLACEMENT OF AGING /FAILING INFRASTRUCTURE	Ongoing
SDC0810000	NEIGHBORHOOD DRAINAGE ASSISTANCE PROGRAM (NDA)	Ongoing
SDC1050000	PROPERTY ACQUISITION OPPORTUNITY FUND	Ongoing
STC0060000	ANNUAL STREET PRESERVATION PROGRAM	Ongoing
STC0060300	STREET LEVY STREET PRESERVATION	Ongoing
STC0800000	ANNUAL STRIPING PROGRAM	Ongoing
STC9999000	REGIONAL INTER-AGENCY COORDINATION	Ongoing
TRC1160000	ANNUAL SIGNAL MAINTENANCE PROGRAM	Ongoing
TRC1170000	CITYWIDE TRAFFIC MANAGEMENT SAFETY IMPROVEMENTS	Ongoing
TRC1170200	VISION ZERO SAFETY IMPROVEMENT	Ongoing
NMC0062000	STREETS LEVY - PEDESTRIAN SAFETY	On-going
TRC1170300	NEIGHBORHOOD TRAFFIC CONTROL	On-going

Everest

Project Number	Project Title	Project Start
WAC1340000	5TH AVENUE S/8TH STREET S WATERMAIN REPLACEMENT	2021
SDC0630000	EVEREST CREEK - SLATER AVENUE AT ALEXANDER STREET	2023

Finn Hill

Project Number	Project Title	Project Start
PKC1520000	OO DENNY PARK IMPROVEMENTS - PICNIC SHELTER	2017
SDC1090000	HOLMES POINT DRIVE PIPE REPLACEMENT - PHASE 2 OUTFALL	2018
NMC1270000	JUANITA DRIVE NONMOTORIZED IMPROVEMENTS 79TH WAY NE TO NE 120TH ST	2021
SDC0900000	GOAT HILL DRAINAGE DITCH CONVEYANCE & CHANNEL STABILIZATION	2021
STC1070000	NE 85TH STREET PED/BIKE CONNECTION 114TH AVE NE TO 6TH ST	2021
PKC1550000	GREEN LOOP MASTER PLAN & ACQUISITION	2022
SSC0860000	8TH AVENUE W SEWERMAIN IMPROVEMENT	2022
STC1080000	NE 85TH ST AND 6TH AVE WESTBOUND TRANSIT QUEUE JUMP	2022

CITY OF KIRKLAND
2021-2026 Capital Improvement Program
Projects by Neighborhood

SDC1290000	NE JUANITA DRIVE STORM FAILURE NEAR 86TH AVE NE	2023
SDC1400000	HOLIDAY DRIVE CONVEYANCE IMPROVEMENT STUDY	2023
STC1090000	NE 85TH STREET EASTBOUND THIRD LANE 120TH AVE NE TO 122ND AVE NE	2023
SDC1410000	STORM LINE REHABILITATION ON NE 136TH STREET	2024
SDC1420000	93RD AVENUE NE HILLSIDE IMPROVEMENTS	2025

Highlands

Project Number	Project Title	Project Start
SDC1080000	MAINTENANCE CENTER STORM WATER POLLUTION PREVENTION	2018
WAC0570000	116TH AVENUE NE WATERMAIN REPLACEMENT	2025

Lakeview

Project Number	Project Title	Project Start
WAC1490000	LAKE WASHINGTON BLVD WATERMAIN REPLACEMENT	2025

Market

Project Number	Project Title	Project Start
WAC1570000	8TH AVENUE W WATERMAIN IMPROVEMENT	2018
SSC0870000	WEST OF MARKET SEWERMAIN REPLACEMENT PRE-DESIGN	2022
SSC0771000	WEST OF MARKET SEWERMAIN REPLACEMENT - PHASE 1	2023
SDC1270000	STORM REHABILITATION AT ROSE POINT LIFT STATION	2026

Moss Bay

Project Number	Project Title	Project Start
STC0060400	CENTRAL WAY PRESERVATION CONSTRUCTION	2019

Norkirk

Project Number	Project Title	Project Start
NMC1290000	PEDESTRIAN SAFETY IMPROVEMENTS (DOWNTOWN & NE 124TH STREET)	2021
WAC1670000	11TH AVENUE WATERMAIN REPLACEMENT	2026
WAC1680000	11TH PLACE WATERMAIN REPLACEMENT	2026

North Juanita

Project Number	Project Title	Project Start
SDC0920000	JUANITA CREEK CULVERT AT NE 137TH STREET	2017
STC0831300	100TH AVENUE NE ROADWAY IMPROVEMENTS - NORTH SECTION	2019
STC0890000	JUANITA DRIVE INTERSECTION AND SAFETY IMPROVEMENTS	2019
TRC1350000	100TH AVENUE NE/SIMONDS ROAD INTERSECTION IMPROVEMENTS	2019
TRC1360000	100TH AVENUE NE/NE 145TH STREET INTERSECTION IMPROVEMENTS	2019
STC0831400	100TH AVENUE NE ROADWAY IMPROVEMENTS - MID-NORTH SECTION	2020

CITY OF KIRKLAND
2021-2026 Capital Improvement Program
Projects by Neighborhood

NMC0872000	NE 131ST WAY/90TH AVE NE NONMOTORIZED IMPR. (97TH AVE NE TO NE 134TH ST) SCO	2021
SDC1000000	BROOKHAVEN POND MODIFICATIONS	2025
WAC1640000	NE 116TH PLACE WATERMAIN REPLACEMENT	2026

North Rose Hill

Project Number	Project Title	Project Start
CSS0060000	TREND LIFT STATION ELIMINATION	2004
SDC1250000	NE 120TH STREET WATER QUALITY TREATMENT	2019
TRC1390000	NE 85TH ST/132ND AVE NE DUAL LEFT TURN LANES-DESIGN	2020
SDC1320000	WATER QUALITY TREATMENT AND INFILTRATION AT NE 111TH PL/127TH PL NE	2021
SDC1330000	BIORETENTION, WATER QUALITY TREATMENT, AND STORAGE AT 126TH AVE NE	2021
WAC1690000	NE 85TH STREET AND I-405 WATERMAIN RELOCATION	2021
SDC1280000	NE 85TH ST/122ND AVE NE STORMWATER IMPROVEMENTS	2023
SDC1390000	122ND AVENUE NE STORM REPLACEMENT	2024
TRC1380000	NE 100TH STREET/132ND AVENUE NE INTERSECTION IMPROVEMENTS	2026
PSC0630000	AIR FILL STATION REPLACEMENT	Ongoing

South Juanita

Project Number	Project Title	Project Start
SDC0530000	FORBES CREEK / COORS POND CHANNEL GRADE CONTROLS	2018
SSC0620000	NE 108TH STREET SEWERMAIN REPLACEMENT	2024
PKC1610000	MCAULIFFE PARK SANITARY SEWER	2025
SDC0490000	FORBES CREEK / 108TH AVENUE NE FISH PASSAGE IMPROVEMENTS	2025

South Rose Hill

Project Number	Project Title	Project Start
NMC1260000	SCHOOL & TRANSIT CONNECTOR SIDEWALK ON 120TH AVE NE	2021
WAC1600000	126TH AVENUE NE WATERMAIN IMPROVEMENT	2022
WAC1370000	NE 73RD STREET WATERMAIN REPLACEMENT	2023

Totem Lake

Project Number	Project Title	Project Start
TRC0980000	NE 132ND STREET / 116TH WAY NE (I-405) INTERSECTION IMPROVEMENTS	2017
TRC1240000	116TH AVENUE NE/NE 124TH STREET INTERSECTION IMPROVEMENTS	2019
STC0591200	124TH AVENUE NE ROADWAY IMPROVEMENTS (NORTH SECTION) ROW	2020
NMC1250000	CKC LIGHTING 120TH AVE NE TO NE 124TH ST	2021
NMC1280000	CKC/EASTRAIL CROSSING STUDY AT 132ND AVE NE	2021
STC0060900	TOTEM LAKE BOULEVARD & 120TH AVENUE PRESERVATION	2021
STC0591300	124TH AVENUE NE ROADWAY IMPROVEMENTS (NORTH SECTION) CONSTRUCTION	2022

Project Modifications and Deletions Schedule



CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT MODIFICATIONS AND DELETIONS SCHEDULE

The Project Modifications Schedule provides a brief explanation of why a project has changed from the previous CIP, in this case the revised 2019-2024 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, or if the project is no longer needed or feasible, it may be deleted. 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

STC0060000 ANNUAL STREET PRESERVATION PROGRAM

Project funding reduced by \$50,000 per year to fund the new Local Road Maintenance project (STC00608). Additionally, year 2021 is reduced by \$750,000 to provide funding for the Central Way Preservation Construction project (STC00604) which did not receive grant funding.

STC0060300 STREET LEVY STREET PRESERVATION

Updated revenue estimates from the Street Levy increased project funding by \$16,000 per year in 2025 and 2026. Additionally, year 2021 is reduced by \$750,000 to provide funding for the Central Way Preservation Construction project (STC00604) which did not receive grant funding.

STC0060400 CENTRAL WAY PRESERVATION CONSTRUCTION

New funding of \$2.025 million added in 2021 for updated design estimates and construction. Funding from the Annual Street Preservation Program (STC00600), the Street Levy Street Preservation project (STC00603) and identified 2019 Street Preservation Program project closeout savings.

STC0591300 124TH AVENUE NE ROADWAY IMPROVEMENTS (NORTH SECTION) CONSTRUCTION

Total project cost increased from \$5.4 million to \$9.4 million. Increased cost funded by \$2 million in REET 2 reserves, \$1.982 million in debt that was originally planned for Juanita Drive Intersection and Safety Improvements (STC 08900), and current revenue.

STC0800000 ANNUAL STRIPING PROGRAM

Timing updated to add years 2025-2026.

STC0831300 100TH AVENUE NE ROADWAY IMPROVEMENTS - NORTH SECTION

Total project cost increased \$1,730,900 and timing updated to add 2021-2022. Additional funding from REET 1 and REET 2 revenues.

STC0831400 100TH AVENUE NE ROADWAY IMPROVEMENTS - MID-NORTH SECTION

Total project cost increased \$2,584,000 and timing updated to add year 2021. Additional funding from REET 1 and REET 2 revenues.

STC0890000 JUANITA DRIVE INTERSECTION AND SAFETY IMPROVEMENTS

Design work is now at 30% and updated project estimates came in higher than planned by \$1,927,000 with the increase funded by Impact Fees. Project timing updated to extend to year 2023. Additionally, debt planned in year 2023 repurposed to the 124th Ave NE Roadway Improvements project and backfilled by Unsecured External revenue.

STC9999000 REGIONAL INTER-AGENCY COORDINATION

Project is not funded in 2021 to meet priority guidance to finish projects in progress.

TRANSPORTATION - Non-Motorized

NMC0570000 ANNUAL SIDEWALK MAINTENANCE PROGRAM

Funding decreased from \$200,000 per year to \$100,000 per year to meet priority guidance to finish projects in progress.

NMC0870000 SAFER ROUTES TO SCHOOL ACTION PLANS IMPLEMENTATION

Project previously titled Citywide School Walk Route Enhancements and is being rebranded as the funding mechanism for the projects that make up the Safer Routes to Schools Action Plans. Funding from Street Levy funds (\$150,000 per year), REET 2 (\$400,000 per year), and School Zone Camera revenue. Budget reduced by \$51,000 in 2021 to provide grant match funding for new project (NMC 12900 Pedestrian Safety Improvements).

CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT MODIFICATIONS AND DELETIONS SCHEDULE

NMC0980000	KIRKLAND AVENUE SIDEWALK Project start date moved from 2019 to 2026 due to a re-prioritization of available City funds; total Project costs increased from \$500,000 to \$600,000 based on updated cost estimate including escalation for outer years.
NMC1101000	CITYWIDE ACCESSIBILITY IMPROVEMENTS Funding removed in 2021-2022 to meet priority guidance to finish projects in progress. Design/prioritize locations in 2023 and 2025 for construction in 2024 and 2026.
NMC1130000	CITYWIDE GREENWAYS NETWORKS Total project cost increased \$1,136,200 and project timing changed from 2020-2024 to 2023-2024.

TRANSPORTATION - Public Transit

PTC0040000	108TH AVENUE NE TRANSIT QUEUE JUMP - PHASE I In 2023, REET 2 Reserve funding has been changed to Unsecured External due to reprioritizing REET reserve funds in years 2021 and 2022 for the 100th Ave NE and 124th Ave NE projects that had unsuccessful grant applications.
PTC0050000	108TH AVENUE NE TRANSIT QUEUE JUMP - PHASE II In 2023, REET 2 Reserve funding has been changed to Unsecured External due to reprioritizing REET reserve funds in years 2021 and 2022 for the 100th Ave NE and 124th Ave NE projects that had unsuccessful grant applications.

TRANSPORTATION - Traffic Improvement

TRC0950000	NE 132ND STREET/FIRE STATION ACCESS DRIVE INTERSECTION IMPROVEMENTS Total project cost change from \$366,000 to \$480,000 due to updated cost estimate including escalation; project remains on Unfunded list.
TRC0980000	NE 132ND STREET / 116TH WAY NE (I-405) INTERSECTION IMPROVEMENTS The City was awarded new funding from WSDOT in the amount of \$202,125 to pay for in-house engineering for an updated project scope in 2021.
TRC1160000	ANNUAL SIGNAL MAINTENANCE PROGRAM Annual funding decreased from \$200,000 per year to \$100,000 per year.
TRC1170000	CITYWIDE TRAFFIC MANAGEMENT SAFETY IMPROVEMENTS Project funding removed for 2021, 2022, 2024, and 2026 to meet priority guidance to finish projects in progress.
TRC1170200	VISION ZERO SAFETY IMPROVEMENT Project funding removed for 2021 to meet priority guidance to finish projects in progress.
TRC1170300	NEIGHBORHOOD TRAFFIC CONTROL Project timing updated to add year 2026.
TRC1200000	KIRKLAND INTELLIGENT TRANSPORTATION SYSTEM PHASE 3 Shifted timing from 2020-2024 to 2023-2026. Added \$210,000 in net new funding.
TRC1350000	100TH AVENUE NE/SIMONDS ROAD INTERSECTION IMPROVEMENTS Total project cost increased \$582,000 and timing updated to extend project into 2021. City's Puget Sound Regional Council (PSRC) grant application was unsuccessful so previously listed unsecured external funding backfilled with REET 1 and REET 2 reserves.
TRC1360000	100TH AVENUE NE/NE 145TH STREET INTERSECTION IMPROVEMENTS Total project cost increased \$574,000 and timing updated to extend project into 2021-2022. City's PSRC grant application was unsuccessful so previously listed unsecured external funding backfilled with REET 1 and REET 2 reserves.
TRC1390000	NE 85TH ST/132ND AVE NE DUAL LEFT TURN LANES-DESIGN Site visits and additional review of this 2020 approved project uncovered the need for a more complex design of the project than was originally expected. Given the additional time this will take, and the need for additional funding on several large projects, the approved funding from the prior CIP of \$1,508,700 was repurposed to other projects in 2020. New funding of \$350,000 is planned for 2022 to allow for a design phase to coordinate with other projects in the area.

CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT MODIFICATIONS AND DELETIONS SCHEDULE

PARKS - Parks

PKC0660000	PARKS, PLAY AREAS & ACCESSIBILITY ENHANCEMENTS Total project cost increased \$255,000 to address future needs.
PKC1331000	DOCK AND SHORELINE RENOVATIONS Project cost and timing updated to reflect revised park renovation schedules.
PKC1332000	CITY-SCHOOL PLAYFIELD PARTNERSHIP Previously approved CIP project - additional partnership opportunity added in 2023-2024.
PKC1333000	NEIGHBORHOOD PARK LAND ACQUISITION Funding amounts modified for years 2021 - 2026.
PKC1510000	PARK FACILITIES LIFE CYCLE PROJECTS Project cost and timing updated to add years 2025-2026.
PKC1520000	OO DENNY PARK IMPROVEMENTS - PICNIC SHELTER Additional funding added in 2021 to previously approved CIP project to install a picnic shelter.
PKC1540000	INDOOR RECREATION & AQUATIC FACILITY STUDY Project timing revised from 2021 to 2023.
PKC1550000	GREEN LOOP MASTER PLAN & ACQUISITION Project start delayed from 2021 to 2022. Total project cost increased by \$2,240,000 with additional King County grant funding in years 2023-2026.
PKC1560000	PARK RESTROOMS RENOVATION/REPLACEMENT PROGRAM Project timing changed from 2023 to 2023-2024.
PKC1570000	NEIGHBORHOOD PARK DEVELOPMENT PROGRAM Funding reduced by \$1.283 million and timing moved from 2024 to 2025.

GENERAL GOVERNMENT - Facilities

GGC0080000	ELECTRICAL, ENERGY MANAGEMENT, AND LIGHTING SYSTEMS Project timing and costs updated to include the addition of the Parks Maintenance Center. The six year cycle updated to remove years 2019-2020 and add years 2025-2026.
GGC0090000	MECHANICAL/HVAC SYSTEMS REPLACEMENTS Project timing and costs updated to include the addition of the Parks Maintenance Center. The six year cycle updated to remove years 2019-2020 and add years 2025-2026.
GGC0100000	PAINTING, CEILINGS, PARTITION, AND WINDOW REPLACEMENTS Project timing and costs updated to include the addition of the Parks Maintenance Center. The six year cycle updated to remove years 2019-2020 and add years 2025-2026.
GGC0110000	ROOFING, GUTTER, SIDING AND DECK REPLACEMENTS Project timing and costs updated to include the addition of the Parks Maintenance Center. The six year cycle updated to remove years 2019-2020 and add years 2025-2026.
GGC0120000	FLOORING REPLACEMENTS Project timing and costs updated to include the addition of the Parks Maintenance Center. The six year cycle updated to remove years 2019-2020 and add years 2025-2026.

GENERAL GOVERNMENT - Information Technology

ITC1000000	NETWORK SERVER AND STORAGE REPLACEMENTS Project timing and costs updated.
ITC1100000	NETWORK INFRASTRUCTURE Project timing and costs updated.
ITC1300000	NETWORK PHONE SYSTEMS Project timing and costs updated.

CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT MODIFICATIONS AND DELETIONS SCHEDULE

ITC1400000	NETWORK SECURITY Project timing and costs updated, including years 2025-2026.
ITC2000000	GEOGRAPHIC INFORMATION SYSTEMS Project timing and costs updated.
ITC5000000	COPIER REPLACEMENTS Project timing and cost updated to reflect revised replacement schedule.

PUBLIC SAFETY - Public Safety

PSC0630000	AIR FILL STATION REPLACEMENT Budget reduced. The replacement scheduled in 2025 for Fire Station 26 for \$87,900 was removed. Due to equipment failure the previous air fill station was replaced in 2020, ahead of schedule. Based on a 10-year life-cycle replacement schedule, this moves the next replacement date for the equipment out to 2030, beyond the current 6-year planning cycle.
PSC0710000	SELF-CONTAINED BREATHING APPARATUS (SCBA) Timing updated to add replacements in 2026.
PSC0760000	PERSONAL PROTECTIVE EQUIPMENT Timing updated to add replacements in 2025-2026.
PSC1000000	POLICE EQUIPMENT REPLACEMENT Updated to reflect timing changes in equipment replacement and to add replacements for years 2025-2026.
PSC2000000	FIRE EQUIPMENT REPLACEMENT Timing updated to add replacements in 2025-2026.
PSC3004000	FIRE STATION 21 EXPANSION AND REMODEL Project cost estimate updated for November 2020 Fire/EMS levy ballot measure. Project cost increased from \$4,562,000 to \$6,023,000 reflecting current market conditions.
PSC3005000	FIRE STATION 22 EXPANSION AND REMODEL Project cost estimate updated for November 2020 Fire/EMS levy ballot measure. Project cost increased from \$7,452,000 to \$9,617,300 reflecting current market conditions.
PSC3006000	FIRE STATION 26 EXPANSION AND REMODEL Project cost estimate updated for November 2020 Fire/EMS levy ballot measure. Project cost increased from \$8,040,000 to \$8,432,000 reflecting current market conditions.
PSC3007000	FIRE STATION 27 REPLACEMENT Project cost estimate updated for November 2020 Fire/EMS levy ballot measure. Project cost increased from \$15,100,000 to \$28,521,800 reflecting current market conditions.

WATER AND SEWER UTILITIES - Water

WAC0570000	116TH AVENUE NE WATERMAIN REPLACEMENT Moved from the unfunded list to the funded list.
WAC1290000	SOUTH RESERVOIR SEISMIC AND RECOATING CONSTRUCTION Modification of timing of funding between 2021 and 2022.
WAC1340000	5TH AVENUE S/8TH STREET S WATERMAIN REPLACEMENT Modification of timing of funding between 2021 and 2022.
WAC1370000	NE 73RD STREET WATERMAIN REPLACEMENT Moved from unfunded list to funded list.
WAC1490000	LAKE WASHINGTON BLVD WATERMAIN REPLACEMENT Moved from unfunded list to funded list.
WAC1570000	8TH AVENUE W WATERMAIN IMPROVEMENT Project timing updated from 2021-2022 to 2022-2023.

CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT MODIFICATIONS AND DELETIONS SCHEDULE

WAC1600000	126TH AVENUE NE WATERMAIN IMPROVEMENT Project timing updated from 2023-2024 to 2022.
WAC1640000	NE 116TH PLACE WATERMAIN REPLACEMENT Modification of timing from 2021 to 2026 and total project cost increased \$43,400.
WAC1670000	11TH AVENUE WATERMAIN REPLACEMENT Modification of timing from 2021 to 2026 and total project cost increased \$40,000.
WAC1680000	11TH PLACE WATERMAIN REPLACEMENT Modification of timing from 2021 to 2026 and total project cost increased \$45,000.

WATER AND SEWER UTILITIES - Sewer

SSC0620000	NE 108TH STREET SEWERMAIN REPLACEMENT Modification of timing from 2022-2024 to 2024-2026 and total project cost increased \$465,200.
SSC0771000	WEST OF MARKET SEWERMAIN REPLACEMENT - PHASE 1 Modification of timing from 2021-2024 to 2023-2025.

SURFACE WATER MANAGEMENT UTILITY - Surface Water Management Utility

SDC0470000	ANNUAL REPLACEMENT OF AGING /FAILING INFRASTRUCTURE Funding increased from \$200,000 per year to \$500,000 per year.
SDC0490000	FORBES CREEK / 108TH AVENUE NE FISH PASSAGE IMPROVEMENTS Funding modified between 2025 and 2026 with a total project cost increase of \$200,000.
SDC0530000	FORBES CREEK / COORS POND CHANNEL GRADE CONTROLS Timing of project moved from 2023-2024 to 2025-2026 and total project cost increased \$200,000.
SDC0630000	EVEREST CREEK - SLATER AVENUE AT ALEXANDER STREET Total project cost increased \$100,000.
SDC0810000	NEIGHBORHOOD DRAINAGE ASSISTANCE PROGRAM (NDA) Timing updated to add funding in year 2025.
SDC0900000	GOAT HILL DRAINAGE DITCH CONVEYANCE & CHANNEL STABILIZATION Total project cost increased \$629,100.
SDC0920000	JUANITA CREEK CULVERT AT NE 137TH STREET Project timing updated from 2021-2023 to 2021/2023-2024. Additionally, total project cost increased \$94,600 to support additional contingency due to risk assessment.
SDC1000000	BROOKHAVEN POND MODIFICATIONS Project years added and moved from 2023-2024 to 2025-2026 based on reprioritization of the Surface Water Master Plan criteria.
SDC1080000	MAINTENANCE CENTER STORM WATER POLLUTION PREVENTION Total project cost increased \$350,000 and project timing extended to 2021.
SDC1090000	HOLMES POINT DRIVE PIPE REPLACEMENT - PHASE 2 OUTFALL Budget increased by \$169,000. Site visits and additional review of this approved project uncovered the need for a more complex design, geotechnical exploration, and permitting of the project than originally expected. The updated total project estimate of \$320,000 will cover design and construction based on anticipated permit conditions. If the permitting process requires shoreline mitigation, additional funding will be needed to complete construction.
SDC1250000	NE 120TH STREET WATER QUALITY TREATMENT Due to increased cost estimates, total project cost increased by \$65,000 and project timing is extended to 2021.



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Transportation



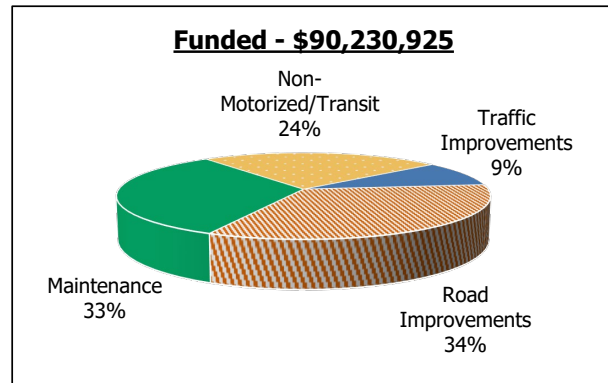
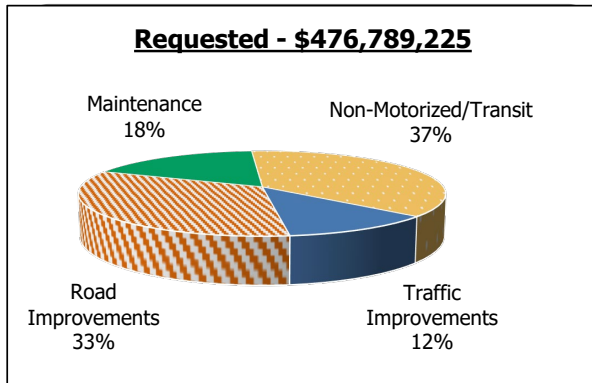
Capital Improvement Program



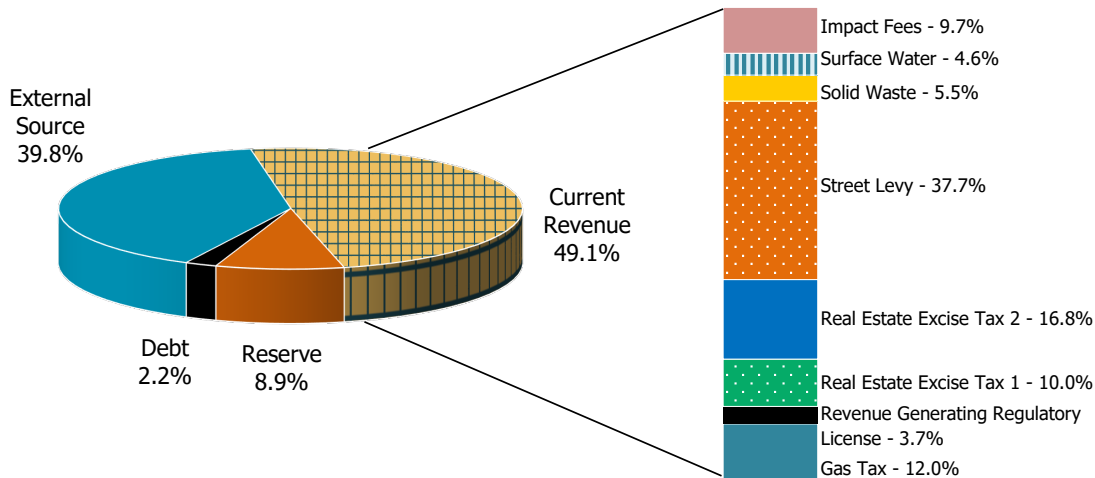
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Transportation

Streets, Non-Motorized and Traffic Improvements



Funding Sources



Transportation Funding - \$90,230,925

Average Annual Current Revenues

Gas Tax - \$886,500
 Revenue Generating Regulatory License - \$270,000
 Real Estate Excise Tax 1 - \$742,067
 Real Estate Excise Tax 2 - \$1,244,167
 Street Levy - \$2,788,167
 Solid Waste - \$405,167
 Surface Water - \$339,000
 Impact Fees - \$719,917
 Total Average Annual Revenue - \$7,394,983

City of Kirkland
2021-2026 Capital Improvement Program

TRANSPORTATION PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2021	2022	2023	2024	2025	2026	2021-2026 Total	Funding Sources						
										Current Revenue	Street Levy	Impact Fees	Reserve	Debt	Secured External	Unsecured External
STC 00600	Annual Street Preservation Program		950,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000	9,450,000	9,450,000						
STC 00603	Street Levy Street Preservation		1,683,000	2,460,000	2,488,000	2,516,000	2,516,000	2,516,000	14,179,000		14,179,000					
STC 00604	Central Way Preservation Construction	242,700	2,025,000						2,025,000	750,000	750,000		525,000			
STC 00608	Local Road Maintenance		50,000	50,000	50,000	50,000	50,000	50,000	300,000	300,000						
STC 00609	Totem Lake Boulevard & 120th Avenue NE Preservation		555,000						555,000	555,000						
STC 05912	124th Ave NE Roadway Improvements (North Section) ROW	1,414,700	802,000						802,000						802,000	
STC 05913	124th Ave NE Roadway Improvements (North Section) Construction			8,465,000	935,000				9,400,000	541,000		985,000	2,000,000	1,982,000	3,892,000	
STC 08000	Annual Striping Program		500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	3,000,000						
STC 08313	100th Avenue NE Roadway Improvements (North Section)	3,730,500	1,527,000	203,900					1,730,900	272,300		203,900	1,254,700			
STC 08314	100th Avenue NE Roadway Improvements (Mid-North Section)		5,569,300	2,584,000					2,584,000			564,100	2,019,900			
STC 08900	Juanita Drive Intersection and Safety Improvements	3,936,700	980,000	1,477,500	2,338,000				4,795,500	981,400		2,225,600	20,000			1,568,500
STC 10700	NE 85th Street Ped/Bike Connection 114th Ave NE to 6th St		870,000	2,450,000	3,580,000				6,900,000						6,900,000	
STC 10800	NE 85th St and 6th St Westbound Transit Queue Jump			1,300,000					1,300,000						1,300,000	
STC 10900	NE 85th Street Eastbound Third Lane 120th Ave NE to 122nd Ave NE				2,700,000				2,700,000						2,700,000	
STC 99990	Regional Inter-Agency Coordination			82,000		82,000	82,000	82,000	410,000	410,000						
NMC 00620	Street Levy - Pedestrian Safety		150,000	150,000	150,000	150,000	150,000	150,000	900,000		900,000					
NMC 05700	Annual Sidewalk Maintenance Program		100,000	100,000	100,000	100,000	100,000	100,000	600,000	600,000						
NMC 08700	Safer Routes to School Action Plans Implementation		499,000	550,000					3,249,000	2,349,000	900,000					
NMC 08720	NE 131st Way/90th Ave NE Nonmotorz Impr. (97th Ave NE to NE 134th St) Scope & Design		439,000						439,000				439,000			
NMC 11010	Citywide Accessibility Improvements				50,000	100,000	50,000	100,000	300,000	300,000						
NMC 11300	Citywide Greenways Networks				450,000	1,950,000			2,400,000	315,000		135,000	350,000		1,600,000	
NMC 12500	CKC Lighting 120th Avenue NE to NE 124th Street		680,000						680,000				30,000		650,000	
NMC 12600	School & Transit Connector Sidewalk on 120th Avenue NE		130,000						130,000				10,000		120,000	
NMC 12700	Juanita Drive Nonmotorized Improvements 79th Way NE to NE 120th St		680,000						680,000				30,000		650,000	
NMC 12800	CKC/Eastrail Crossing Study at 132nd Ave NE		100,000						100,000						100,000	
NMC 12900	Pedestrian Safety Improvements (Downtown & NE 124th Street)		1,665,000						1,665,000	51,000					1,614,000	
TRC 09800	NE 132nd St/116th Way NE (I-405) Intersection Improvements	300,000	202,125						202,125						202,125	
TRC 11600	Annual Signal Maintenance Program		100,000	100,000	100,000	100,000	100,000	100,000	600,000	500,000			100,000			
TRC 11700	Citywide Traffic Management Safety Improvements				100,000		100,000		200,000	200,000						
TRC 11702	Vision Zero Safety Improvement			50,000	50,000	50,000	50,000	50,000	250,000	250,000						
TRC 11703	Neighborhood Traffic Control			50,000		50,000		50,000	150,000	150,000						
TRC 12000	Kirkland Intelligent Transportation System Phase 3	924,800			244,100	455,900		1,710,000	2,410,000	704,000						1,706,000
TRC 12400	116th Avenue NE/NE 124th Street Intersection Improvements	1,758,000	565,000						565,000				273,000		292,000	
TRC 13500	100th Avenue NE/Simonds Road Intersection Improvements	1,254,400	582,000						582,000			127,000	455,000			
TRC 13600	100th Avenue NE/NE 145th St Intersection Improvements	1,293,500	424,000	150,000					574,000	13,700		78,900	481,400			
TRC 13800	NE 100th Street/132nd Avenue NE Intersection Improvements							2,558,000	2,558,000	1,279,000						1,279,000
TRC 13900	85th St/132nd Ave NE Dual Left Turn Lanes - Design			350,000					350,000	350,000						
PTC 00400	108th Avenue NE Transit Queue Jump - Phase I				1,717,000	1,898,300	1,260,000		4,875,300						750,000	4,125,300
PTC 00500	108th Avenue NE Transit Queue Jump - Phase II				1,893,200	2,437,900	1,309,000		5,640,100						750,000	4,890,100
Total Funded Transportation Projects		20,424,600	18,842,125	20,188,400	19,777,300	12,690,100	8,517,000	10,216,000	90,230,925	23,321,400	16,729,000	4,319,500	7,988,000	1,982,000	22,322,125	13,568,900

Notes
Italics = Modification in timing and/or cost (see Project Modification/Deletion Schedule for more detail)

Bold = New projects

+ = Moved from unfunded status to funded status

TRANSPORTATION PROJECTS

Unfunded Projects in the Capital Facilities Plan Years 7-20

Project Number	Project Title	Total
STC 06300	120th Avenue NE Roadway Improvements	4,500,000
STC 07200	NE 120th Street Roadway Improvements (West Section)	15,780,600
STC 07700	NE 132nd St Rdwy Imprv.-Phase I (West Section)	1,739,000
STC 07800	NE 132nd St Rdwy Imprv-Phase II (Mid Section)	408,000
STC 07900	NE 132nd St Rdwy Imprv-Phase III (East Section)	1,444,000
STC 08100	Totem Lake Area Development Opportunity Program	500,000
STC 08315	100th Avenue NE Roadway Improvements (Mid-South Section)	5,530,000
STC 08316	100th Avenue NE Roadway Improvements (South Section)	3,619,000
STC 09400	Holmes Point Dr NE Road Embankment Stabilization Location 1	246,000
STC 09500	Holmes Point Dr NE Road Embankment Stabilization Location 2	412,000
STC 09600	Holmes Point Dr NE Road Embankment Stabilization Location 3	503,000
STC 09700	Holmes Point Dr NE Road Embankment Stabilization Location 4	551,000
STC 09800	Holmes Point Dr NE Road Embankment Stabilization Location 5	232,000
STC 09900	Champagne Pt Road NE Embankment Stabilization	563,000
STC 10000	62nd Ave NE Road Embankment Stabilization	823,000
STC 10100	114th Ave NE Road Reconstruction	1,900,000
STC 10200	90th Ave NE Road Surface Water Drainage Repair	420,000
NMC 01299	Crosswalk Upgrade Program	4,100,000
NMC 08630	CKC Roadway Crossings	3,370,100
NMC 09011	Juanita Drive Bicycle and Pedestrian Improvements	10,650,000
NMC 11100	108th Avenue NE Bicycle Lanes Upgrade	845,000
NMC 11399	Citywide Greenway Network	4,450,000
NMC 11700	On-Street Bicycle Network Phase I	1,120,000
NMC 88881	On-street Bicycle Network	3,280,000
NMC 99991	Sidewalk Completion Program	6,096,800
PTC 00200	Public Transit Speed and Reliability Improvements	500,000
PTC 00300	Public Transit Passenger Environment Improvements	500,000
PTC 00400	108th Avenue NE Transit Queue Jump - Phase I	4,875,000
PTC 00500	108th Avenue NE Transit Queue Jump - Phase II	5,640,000
TRC 09500	NE 132nd St/Fire Stn Access Dr Intersect'n Imp	480,000
TRC 09600	NE 132nd St/124th Ave NE Intersect'n Imp	7,400,000
TRC 09700	NE 132nd St/132nd Ave NE Intersect'n Imp	1,150,000
TRC 12500	Kirkland ITS Implementation Phase 4	2,620,000
TRC 12800	6th Street S/5th Place/CKC Transit Signal Priority	2,600,000
TRC 12900	NE 53rd Street Intersection Improvements	4,345,000
TRC 13000	NE 145th Street/Juanita-Woodinville Way Intersection Imps	2,100,000
TRC 13100	NE 80th Street/120th Avenue NE Intersection Improvements	1,700,000
TRC 13200	100th Avenue NE/132nd Street Intersection Improvements	1,647,000
TRC 13300	100th Avenue NE/Juanita-Woodinville Way Intersection Imps	2,161,000
TRC 13400	100th Avenue NE/137th Street Intersection Improvements	1,475,000
TRC 13800	NE 100th Street/132nd Ave NE Intersection Improvements	1,743,000
Capacity Projects Subtotal		114,018,500
STC 00600	Annual Street Preservation Program	22,750,000
STC 00603	Street Levy Street Preservation	31,107,000
STC 08000	Annual Striping Program	500,000
STC 99990	Regional Inter-Agency Coordination	820,000
NMC 00621	Neighborhood Safety Program Improvements	3,000,000
NMC 05700	Annual Sidewalk Maintenance Program	2,600,000
TRC 11600	Annual Signal Maintenance Program	2,600,000
TRC 11700	Citywide Traffic Management Safety Improvements	1,400,000
TRC 11702	Vision Zero Safety Improvement	650,000
TRC 11703	Neighborhood Traffic Control	325,000
Non-Capacity Projects Subtotal		65,752,000
Total Transportation Master Plan Projects Yrs 7-20		179,770,500

Unfunded Projects in the Capital Facilities Plan Years 7-20 and Transportation Improvement Plan

NMC 02412	Cross Kirkland Corridor Opportunity Fund	500,000
NMC 03100	Crestwoods Park/CKC Corridor Ped/Bike Facility	2,505,000
NMC 08000	Juanita-Kingsgate Pedestrian Bridge at I-405	4,500,000
NMC 10600	Citywide CKC Connection	360,000
NMC 10700	CKC to Downtown Surface Connection	2,000,000
Capital Facilities Projects Not in TMP Subtotal		9,865,000
Total Capital Facilities Plan Projects Yrs 7-20		189,635,500

Unfunded Transportation Improvement Plan/External Funding Candidates

Project Number	Project Title	Total
STC 05600	132nd Avenue NE Roadway Improvements	25,170,000
STC 06100	119th Avenue NE Roadway Extension	5,640,000
STC 06200	NE 130th Street Roadway Improvements	10,000,000
STC 06400	124th Avenue NE Roadway Extension	30,349,000
STC 07300	120th Avenue NE Roadway Extension	16,392,000
STC 08600	Finn Hill Emergency Vehicle Access Connection	900,000
NMC 03000	NE 90th Street/I-405 Pedestrian/Bicycle Overpass	3,740,700
NMC 03100	Crestwoods Park/CKC Corridor Ped/Bike Facility	2,505,000
NMC 03200	93rd Avenue Sidewalk	1,047,900
NMC 04300	NE 126th St Nonmotorized Facilities	4,277,200
NMC 04600	18th Avenue SW Sidewalk	2,255,000
NMC 05000	NE 80th Street Sidewalk	859,700
NMC 05400	13th Avenue Sidewalk	446,700
NMC 05500	122nd Ave NE Sidewalk	866,700
NMC 05800	111th Avenue Non-Motorized/Emergency Access Connection	2,000,000
NMC 06200	19th Avenue Sidewalk	814,200
NMC 07400	90th Ave NE Sidewalk	353,400
NMC 08000	Juanita-Kingsgate Pedestrian Bridge at I405	4,500,000
NMC 08600	Cross Kirkland Corridor Non-motorized Improvements	65,742,000
NMC 087xx	19th Ave NE/4th St Sidewalks and Crossing of Market Street	2,443,500
NMC 087xx	Reflective Flashing Beacon at 106th Ave NE Crossing NE 68th St	134,800
NMC 087xx	NE 124th Street Crosswalk	462,000
NMC 10600	Citywide CKC Connections	360,000
NMC 10700	CKC to Downtown Surface Connection	2,000,000
TRC 06700	Kirkland Way/CKC Bridge Abutment/Intersection Imprv	6,917,000
TRC 11400	Slater Avenue NE Traffic Calming - Phase I	247,000
TRC 11704	NE 68th Street Intersection Improvements/Access Management	4,375,000
TRC 12300	Slater Avenue NE (132nd Avenue NE)/NE 124th Street	2,124,000
Subtotal Unfunded Transportation Improvement Plan/External Funding Candidates		196,922,800

Grand Total Unfunded Transportation Projects 386,558,300

Notes
Italics = Modification in timing and/or cost
Bold = New projects
+ = Moved from unfunded status to funded status
" = Moved from funded status to unfunded status
= Projects to be funded with development-related revenues
^ = Future, unfunded portion of projects funded in years 1-6
~ = Annual Programs with Candidate projects

<i>Potential Non-Motorized Projects Under Placeholders; Not Included in Totals</i>		
Project Number	Project Title	Total
<i>NMC 88881 On-Street Bicycle Network Candidate Projects:</i>		
NMC 00100	116th Ave NE (So. Sect.) Non-Motorz'd Facil-Phase II	3,378,000
NMC 03600	NE 100th Street Bike lane	1,644,300
<i>NMC 99991 Sidewalk Completion Program Candidate Projects:</i>		
NMC 02600	NE 90th Street Sidewalk (Phase II)	706,200
NMC 03700	130th Avenue NE Sidewalk	833,600
NMC 04500	NE 95th Street Sidewalk (Highlands)	571,500
NMC 04700	116th Avenue NE Sidewalk (South Rose Hill)	840,000
NMC 04800	NE 60th Street Sidewalk	500,000
NMC 04900	112th Ave NE Sidewalk	527,600
NMC 06100	NE 104th Street Sidewalk	1,085,000
NMC 06300	Kirkland Way Sidewalk	414,500
NMC 07200	NE 132nd Street Sidewalk at Finn Hill Middle School	840,000
NMC 07500	84th Ave NE Sidewalk	4,052,800
NMC 07600	NE 140th St Sidewalk - Muir Elem Walk Rt Enhan. Phase 1	1,131,000
NMC 07700	NE 140th St Sidewalk - Keller Elem Walk Rt Enhan. - N	1,185,000
NMC 07800	NE 140th St Sidewalk - Keller Elem Walk Rt Enhan. - S	747,000
NMC 07900	NE 140th St Sidewalk - Muir Elem Walk Rt Enhan. Phase 2	648,000
NMC 08800	NE 124th Street Sidewalk	376,000
NMC 09700	132nd NE Sidewalk	732,000
NMC 10100	7th Avenue Sidewalk	208,000
NMC 10300	120th Avenue NE Sidewalk	556,000
NMC 10400	NE 122nd Place/NE 123rd Street Sidewalk	1,294,000
NMC 10500	120th Avenue NE Sidewalk	812,000
NMC 13000	NE 134th St Sidewalk (South Side between 88th Pl & 87th Ave NE)	300,000

**CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

TRANSPORTATION - Street

STC0060000 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 numerous miles of asphalt streets throughout the City. The annual program ensures maintenance of this infrastructure and reduces costly repairs resulting from total road failure. Project includes repair and resurfacing of streets and repair and replacement of adjoining damaged concrete curb, gutters and sidewalks as well as installing accessible curb ramps to meet the requirements of the Americans with Disabilities Act (ADA). Project complements levy-funded project STC0060300.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$9,450,000	\$0	\$9,450,000

STC0060300 STREET LEVY STREET PRESERVATION

City-wide

A voter-approved levy funded annual project to enhance preservation of roadway system as part of an overall preservation program. Project includes repair and resurfacing of streets and repair and replacement of adjoining damaged concrete curb, gutters and sidewalks as well as installing accessible curb ramps to meet the requirements of the Americans with Disabilities Act (ADA). Project complements STC0060000.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$14,179,000	\$0	\$14,179,000

STC0060400 CENTRAL WAY PRESERVATION CONSTRUCTION

Moss Bay

The design for grinding, patching, modifications of wheelchair ramps and overlay of Central Way. Funds became available through a federal Street Preservation design-only grant. City grant match allocated funds are available through the Annual Street Preservation Program for 2017. Overlay of the project will occur though the Street Preservation Program timed in coordination with adjacent major redevelopment activity.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2019	\$242,700	\$2,025,000	\$0	\$2,267,700

STC0060800 LOCAL ROAD MAINTENANCE

City-wide

Provide funding for City crews to do prep work on streets prior to the overlay completed through the annual preservation CIP projects. The City will ensure that provisions of RCW 35.22.620 regarding thresholds for public work done by city employees will be followed as part of this project.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$300,000	\$0	\$300,000

STC0060900 TOTEM LAKE BOULEVARD & 120TH AVENUE PRESERVATION

Totem Lake

The Northshore Utility District (NUD) has a project in the vicinity that will excavate the road where their utilities reside and will remove curb and pavement. The restoration requirement is for a half-street overlay. As such, the City has an opportunity to partner with NUD to provide full street overlay and install additional amenities such as sidewalks. The full restoration scope including sidewalks has an estimated project cost to the City of \$555,000.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$555,000	\$0	\$555,000

STC0591200 124TH AVENUE NE ROADWAY IMPROVEMENTS (NORTH SECTION) ROW

Totem Lake

The purchase of land for the widening of the existing roadway between intersections at NE 116th Street and NE 124th Street from 3 lanes to 5 lanes, include 2-way center turn lane and improve pedestrian crossing(s). This project will reconstruct existing sidewalk, transit stops and bicycle lanes which will be impacted by roadway widening.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2020	\$1,414,700	\$802,000	\$0	\$2,216,700

STC0591300

Totem Lake

124TH AVENUE NE ROADWAY IMPROVEMENTS (NORTH SECTION) CONSTRUCTION

Widen existing roadway between intersections at NE 116th Street and NE 124th Street from 3 lanes to 5 lanes, include 2-way center turn lane and improve pedestrian crossing(s). This project will reconstruct existing sidewalk, transit stops and bicycle lanes, which will be impacted by roadway widening.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2022	\$0	\$9,400,000	\$0	\$9,400,000

STC0800000

City-wide

ANNUAL STRIPING PROGRAM

Annual program to maintain markings that identify travel lanes, crosswalks, and other guidance markings for auto, pedestrian, bicycle, transit and other forms of transportation. The program will result in the restriping of more than 40 miles of collector and arterial streets throughout the City.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$3,000,000	\$0	\$3,000,000

STC0831300

North Juanita

100TH AVENUE NE ROADWAY IMPROVEMENTS - NORTH SECTION

Roadway improvements along 100th Ave NE to address the current 5-lane to 2-lane transition to be based on the 2015 Puget Sound Regional Council (PSRC) grant funded design. This project represents one of four segments for implementing Phase 1 improvements. This and other elements of the ultimate project will, at a minimum, provide for bicycle lanes, a center turn lane where appropriate, sidewalks, curb and gutter, illumination improvements and storm drainage system upgrades.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2019	\$3,730,500	\$1,730,900	\$0	\$5,461,400

STC0831400

North Juanita

100TH AVENUE NE ROADWAY IMPROVEMENTS - MID-NORTH SECTION

Roadway improvements along 100th Ave NE to address the current 5-lane to 2-lane transition to be based on the 2015 PSRC grant funded design. This project represents one of four segments for implementing Phase 1 improvements. This and other elements of the ultimate project will, at a minimum, provide for bicycle lanes, a center turn lane where appropriate, sidewalks, curb and gutter, illumination improvements and storm drainage system upgrades.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2020	\$5,569,300	\$2,584,000	\$0	\$8,153,300

STC0890000

North Juanita

JUANITA DRIVE INTERSECTION AND SAFETY IMPROVEMENTS

A set of intersection and other projects intended to improve safety for motor vehicles through elements such as added turn lanes, new channelization and increasing of sight distances. The individual projects are those identified in the Juanita Drive Corridor Study and consist of projects that are not currently funded as individual projects in the CIP.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2019	\$3,936,700	\$4,795,500	\$0	\$8,732,200

STC1070000

Finn Hill

NE 85TH STREET PED/BIKE CONNECTION 114TH AVE NE TO 6TH ST

Construct 12' ped/bike connection along the south side of NE 85th St. Related to Sound Transit projects in the area and funded by Sound Transit.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$6,900,000	\$0	\$6,900,000

STC1080000

Finn Hill

NE 85TH ST AND 6TH AVE WESTBOUND TRANSIT QUEUE JUMP

Construct westbound transit queue jump, including signal modifications and utility work. Related to Sound Transit projects in the area and funded by Sound Transit.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2022	\$0	\$1,300,000	\$0	\$1,300,000

STC1090000

Finn Hill

NE 85TH STREET EASTBOUND THIRD LANE 120TH AVE NE TO 122ND AVE NE

Match BRT lane rechannelization by WSDOT west of 120th Ave NE by restriping within current street width and signal modifications. Related to Sound Transit projects in the area and funded by Sound Transit.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$2,700,000	\$0	\$2,700,000

STC9999000

City-wide

REGIONAL INTER-AGENCY COORDINATION

Staffing requirements for the City's coordination and participation in regional projects constructed by others such as Washington State Department of Transportation (WSDOT), Sound Transit, and King County Metro.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$410,000	\$0	\$410,000

CITY OF KIRKLAND

2021-2026 CAPITAL IMPROVEMENT PROGRAM

PROJECT SUMMARY

TRANSPORTATION - Non-Motorized

NMC0062000 STREETS LEVY - PEDESTRIAN SAFETY

City-wide

An opportunity fund of Levy revenue used for pedestrian safety amenities City-wide. This project provides for the construction and re-construction of crosswalks, crosswalk lighting, flashing beacons and other features to enhance the pedestrian experience consistent with the goals and objectives of the Transportation Master Plan.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
On-going	\$0	\$900,000	\$0	\$900,000

NMC0570000 ANNUAL SIDEWALK MAINTENANCE PROGRAM

City-wide

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

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$600,000	\$0	\$600,000

NMC0870000 SAFER ROUTES TO SCHOOL ACTION PLANS IMPLEMENTATION

City-wide

Project will create or improve sidewalks and associated pedestrian safety features on one side of all identified school walk route segments along both arterial and collector streets. Project is expected to be completed as grant funding becomes available on a project by project basis. Staff is currently working with the Lake Washington School District to develop an updated list of walk routes.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$3,249,000	\$0	\$3,249,000

NMC0872000 NE 131ST WAY/90TH AVE NE NONMOTORIZED IMPR. (97TH AVE NE TO NE 134TH ST) SCOPE & DESIGN

North Juanita

Design and scope work for a group of improvements including 3,000 feet of extruded curb, guardrail repair, and surface water drainage improvements. Funding of \$439,000 comes from the closeout of the North Kirkland/JFK School Walk Route Enhancements project (NMC 08710). Note that additional funding will be necessary for construction of the identified improvements.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$439,000	\$0	\$439,000

NMC1101000 CITYWIDE ACCESSIBILITY IMPROVEMENTS

City-wide

An opportunity fund for implementation of a wide range of accessibility improvements, as developed by the Accessibility Transition Plan.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$300,000	\$0	\$300,000

NMC1130000 CITYWIDE GREENWAYS NETWORKS

City-wide

This project provides for the design and construction of a greenway network. Construction elements that make up a greenway vary according to location, but may include items such as marking, signing of various types, lighting, crossing treatments (which may include signing, islands, beacons, improvements to or new traffic signals), traffic calming, drainage improvements, sidewalks or other walkway improvements and minor property acquisition. Greenways should be constructed on the most current approved network map, the most current greenways guidelines, and prioritization of projects should be accomplished using the framework established in the Transportation Master Plan.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$2,400,000	\$0	\$2,400,000

NMC1250000
Totem Lake

CKC LIGHTING 120TH AVE NE TO NE 124TH ST
Install lighting along CKC.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$680,000	\$0	\$680,000

NMC1260000
South Rose Hill

SCHOOL & TRANSIT CONNECTOR SIDEWALK ON 120TH AVE NE
Improvements to the sidewalks on the east side of 120th Ave NE between NE 84th Ln and NE 80th St, north of Lake Washington High School. Will improve approximately 1,000 LF of sidewalk.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$130,000	\$0	\$130,000

NMC1270000
Finn Hill

JUANITA DRIVE NONMOTORIZED IMPROVEMENTS 79TH WAY NE TO NE 120TH ST
NE 93rd Avenue South to NE 143rd Street - complete remaining elements in Juanita Drive Corridor Study. Separated pedestrian walkway and buffered bicycle lane; installation of pedestrian flashing beacons (RRFB's) at key locations; improved lighting, signing and markings.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$680,000	\$0	\$680,000

NMC1280000
Totem Lake

CKC/EASTRAIL CROSSING STUDY AT 132ND AVE NE
Voter approved King County levy funded project to study the Cross Kirkland Corridor/Eastrail Crossing of 132nd Ave NE. Project will study the feasibility of an at-grade and a grade separated trail crossing at this location.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$100,000	\$0	\$100,000

NMC1290000
Norkirk

PEDESTRIAN SAFETY IMPROVEMENTS (DOWNTOWN & NE 124TH STREET)
Pedestrian safety improvements along Central Way in the downtown area and along NE 124th Street in the Juanita neighborhood.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$1,665,000	\$0	\$1,665,000

**CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

TRANSPORTATION - Public Transit

PTC0040000 108TH AVENUE NE TRANSIT QUEUE JUMP - PHASE I

Central Houghton Widen roadway and add northbound bus lane on 108th Ave NE, from north of NE 62nd Street to north of NE 68th Street. Replace bicycle lane and sidewalk on the east side of 108th Ave NE with a sidewalk and cycle track or multipurpose non-motorized pathway. Add new curb ramps for pedestrians and bicycles. Short retaining walls required for widening in places. Modify traffic signal system at NE 68th Street / 108th Ave NE to accommodate new northbound bus lane. Coordinate with terminus with 108th Avenue NE Transit Queue Jump Phase II (PTC0050000).

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$4,875,300	\$0	\$4,875,300

PTC0050000 108TH AVENUE NE TRANSIT QUEUE JUMP - PHASE II

Central Houghton Widen roadway and added northbound bus lane on 108th Ave NE, from north of NE 53rd Street to just north of NE 60th Street. Replace bicycle lane and sidewalk on the east side of 108th Ave NE with a sidewalk and cycle track or multipurpose non-motorized pathway. New fully functioning traffic signal system at NE 60th Street / 108th Ave NE with APS, video detection, CCTV camera and ITS capabilities. Add new curb ramps for pedestrians and bicycles. Short retaining walls required for widening in places. Coordinate north terminus with 108th Avenue NE Transit Queue Jump Phase I (PTC0040000).

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$5,640,100	\$0	\$5,640,100

**CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

TRANSPORTATION - Traffic Improvement

TRC0980000

Totem Lake

NE 132ND STREET / 116TH WAY NE (I-405) INTERSECTION IMPROVEMENTS

Coordination of City right-of-way and intersection improvements in association with the Washington State Department of Transportation (WSDOT) Half-Diamond Interchange at NE 132nd Street and I-405, between 116th Way NE and Totem Lake Blvd, as recommended in the NE 132nd Street Master Plan.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2017	\$300,000	\$202,100	\$0	\$502,100

TRC1160000

City-wide

ANNUAL SIGNAL MAINTENANCE PROGRAM

Signal maintenance to replace equipment at end of useful life to maintain full capabilities. Includes range of improvements from full intersections to cabinets and service connections to components in cabinets. Also includes RRFBs (pedestrian flashing beacons), school flashers, and radar speed signs.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$600,000	\$0	\$600,000

TRC1170000

City-wide

CITYWIDE TRAFFIC MANAGEMENT SAFETY IMPROVEMENTS

This project is an opportunity fund for improvements that increase motor vehicle safety. It includes design and construction of new traffic signals that meet one or more warrants, modification of existing signals to incorporate flashing yellow arrows or other changes, modifications to driveways and other improvements that specifically address safety needs.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$200,000	\$0	\$200,000

TRC1170200

City-wide

VISION ZERO SAFETY IMPROVEMENT

This project is an opportunity fund for improvements that come from Vision Zero work, an international road traffic safety project, which aims to achieve a transportation system with no fatalities or serious injuries in street traffic.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$200,000	\$250,000	\$0	\$450,000

TRC1170300

City-wide

NEIGHBORHOOD TRAFFIC CONTROL

This project is an opportunity fund for neighborhood traffic control elements such as traffic circles, speed humps, curb bulbs, lighting, radar speed signs and a variety of other improvements as identified in cooperation with the residents affected by the projects.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
On-going	\$152,800	\$150,000	\$0	\$302,800

TRC1200000

City-wide

KIRKLAND INTELLIGENT TRANSPORTATION SYSTEM PHASE 3

Next phase of intelligent transportation (ITS) improvements. It will consist of improvements identified in the ITS study.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2018	\$924,800	\$2,410,000	\$0	\$3,334,800

TRC1240000

Totem Lake

116TH AVENUE NE/NE 124TH STREET INTERSECTION IMPROVEMENTS

Project improves vehicular level of service at the signalized intersection. Construct a southbound right turn lane approximately 300 feet long on 116th Avenue NE at NE 124th Street. Includes multi-use, planter strip and associated signal reconstruction. Requires approximately 4000 sq. ft. of property acquisition.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2019	\$1,758,000	\$565,000	\$0	\$2,323,000

TRC1350000

North Juanita

100TH AVENUE NE/SIMONDS ROAD INTERSECTION IMPROVEMENTS

Install traffic signal and intersection improvements to minimize traffic conflict, improve safety and traffic operation. Project, at a minimum, will provide all new signal poles, mast arms and heads, signal cabinet, cameras and full electronics.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2019	\$1,254,400	\$582,000	\$0	\$1,836,400

TRC1360000

North Juanita

100TH AVENUE NE/NE 145TH STREET INTERSECTION IMPROVEMENTS

Install traffic signal and intersection improvements to minimize traffic conflict, improve safety and traffic operation. Project, at a minimum, will provide all new signal poles, mast arms and heads, signal cabinet, cameras and full electronics.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2019	\$1,293,500	\$574,000	\$0	\$1,867,500

TRC1380000

North Rose Hill

NE 100TH STREET/132ND AVENUE NE INTERSECTION IMPROVEMENTS

An all new full traffic signal system with signal poles, mast arms and heads, signal cabinet, cameras and full electronics for APS, video detection and ITS capability. Surface features include new curb ramps, crosswalks, and left turn lanes for all approaches.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2026	\$0	\$2,558,000	\$0	\$2,558,000

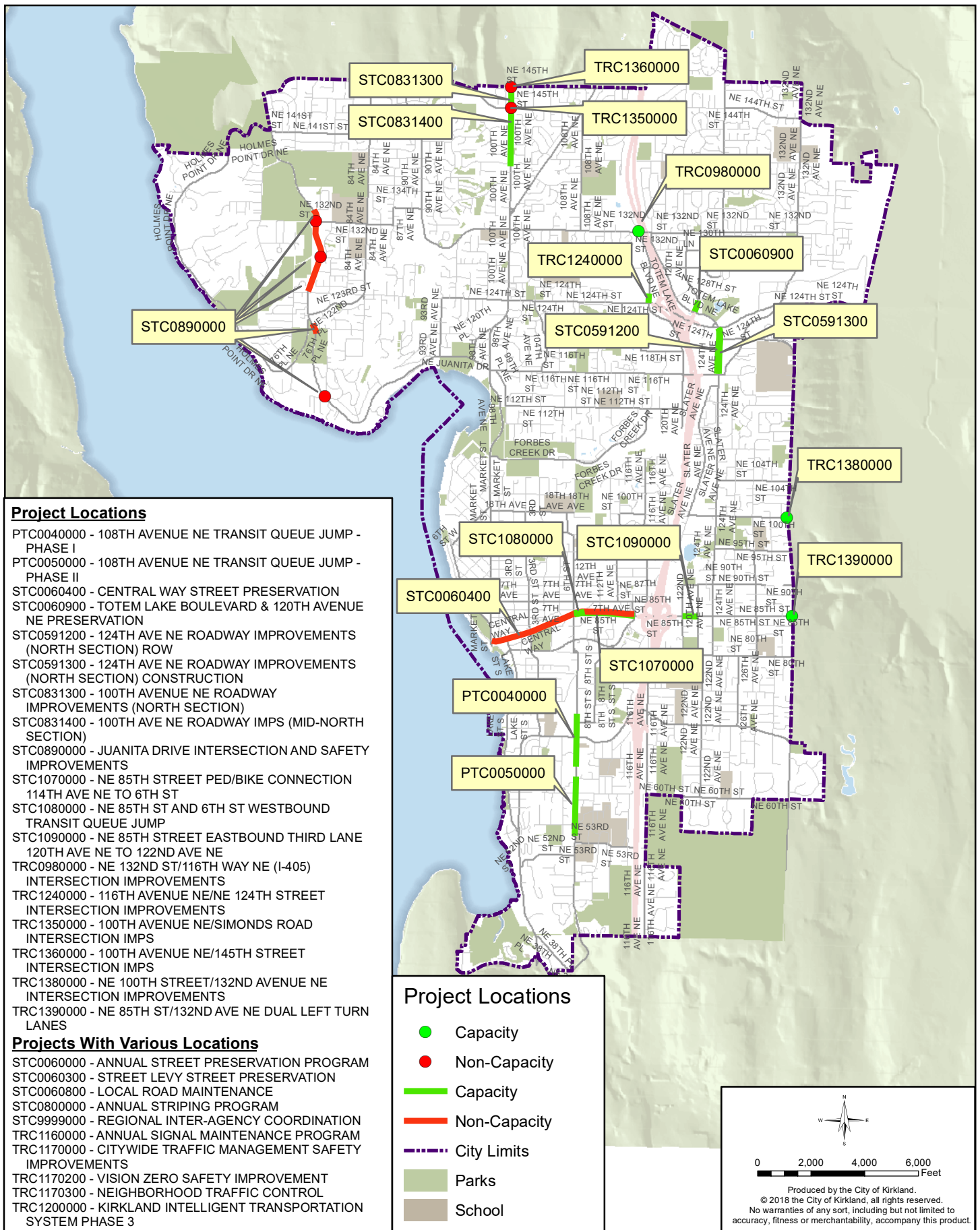
TRC1390000

North Rose Hill

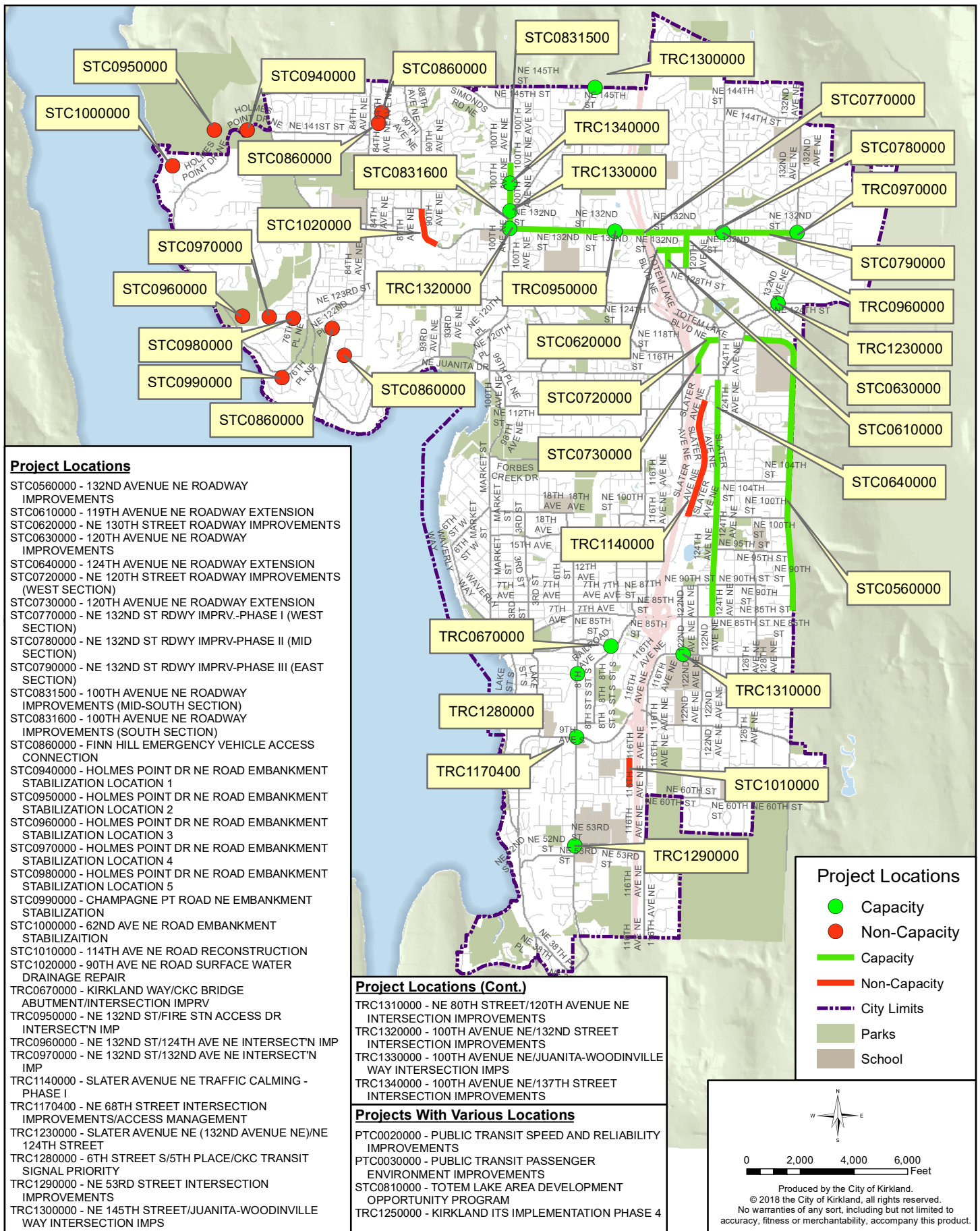
NE 85TH ST/132ND AVE NE DUAL LEFT TURN LANES-DESIGN

Significant southbound traffic queues develop at the intersection of NE 85th St and 132nd Ave NE delaying vehicles and transit, particularly in the AM peak. This also effects the overall operation of the intersection. The project would widen the street to the west to add a second southbound left turn lane. This would be done primarily utilizing right of way and an easement provided by development, but some additional right of way would also be required. The project would also relocate the existing 5' bike lane, rebuild sidewalk and landscape strip and reconstruct the traffic signal to accommodate the second left turn lane. Project improves vehicular level of service at the signalized intersection.

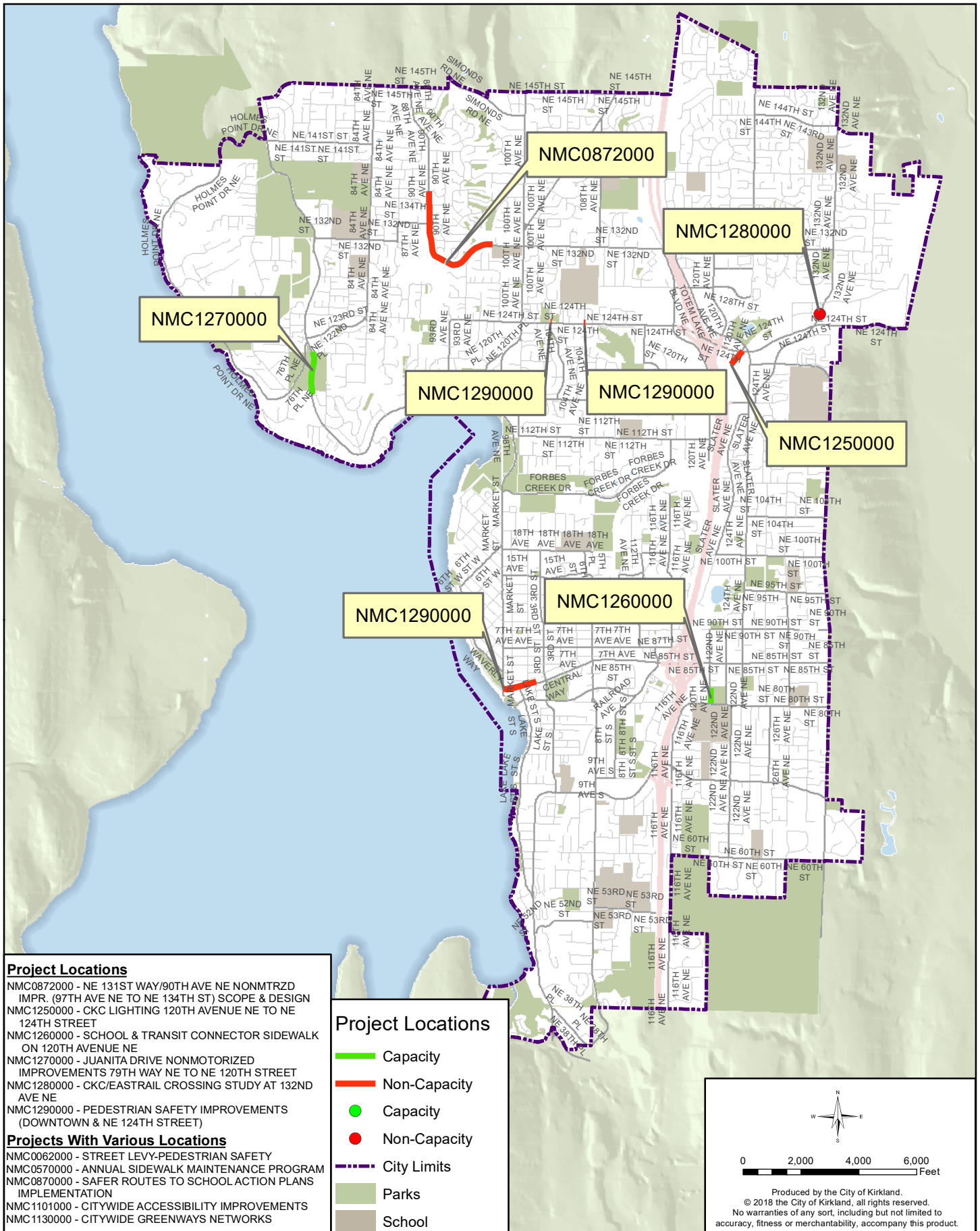
PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2020	\$1,508,700	\$350,000	\$0	\$1,858,700



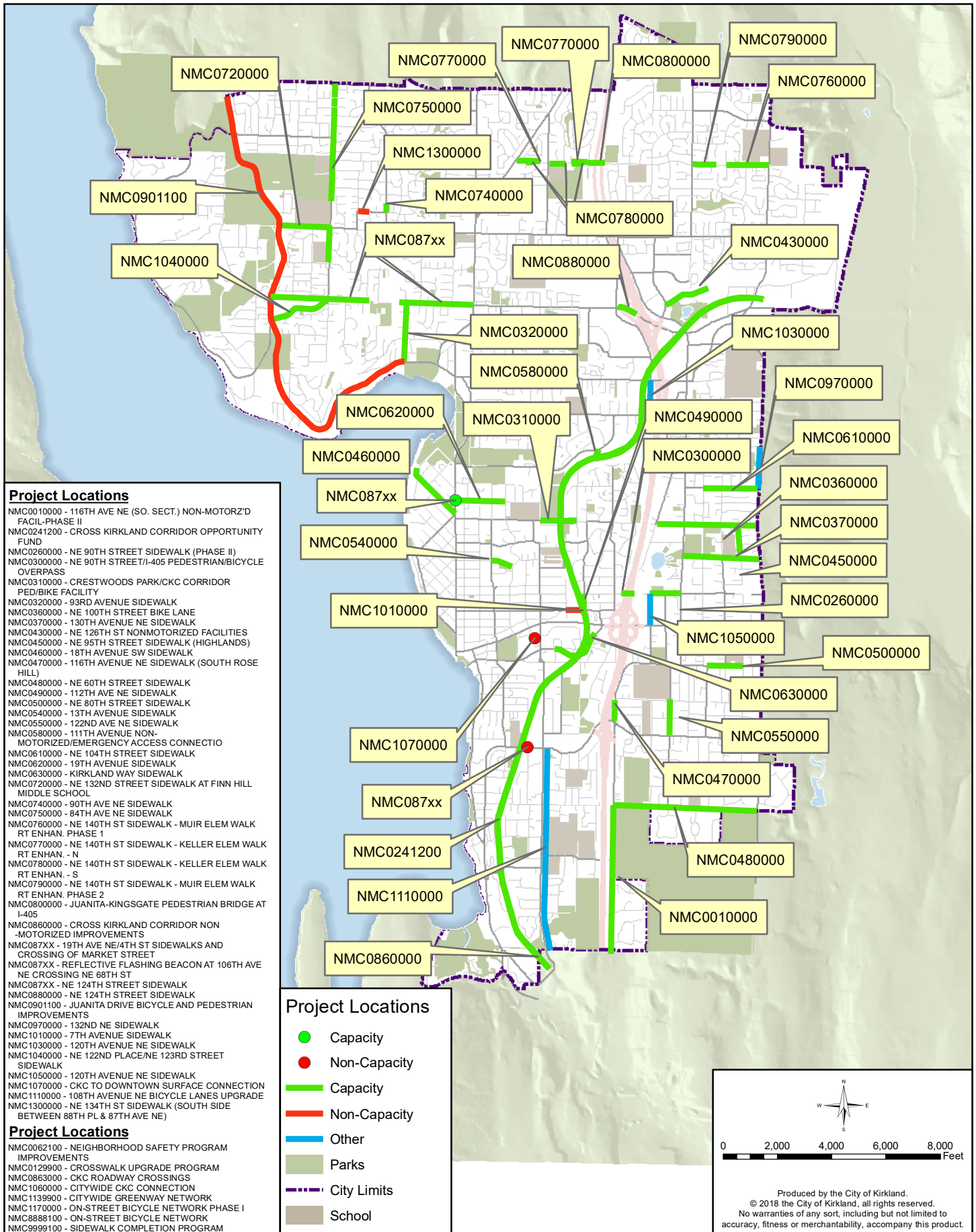
2021-2026 Funded Street and Transportation CIP



2021-2026 Unfunded Street and Transportation CIP



2021-2026 Funded Non-Motorized Transportation CIP



2021-2026 Unfunded Non-Motorized Transportation CIP



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Parks

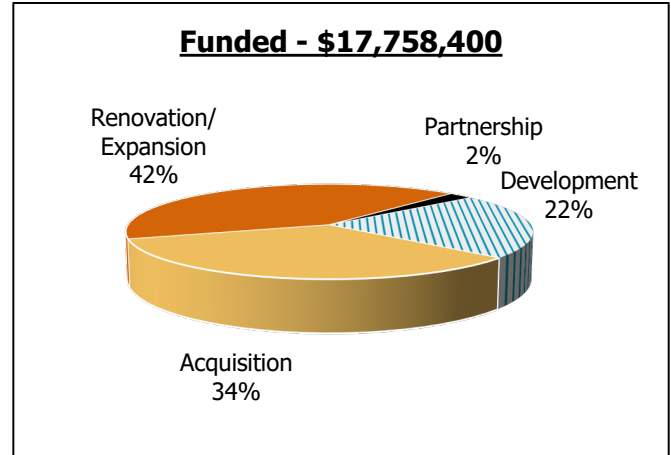
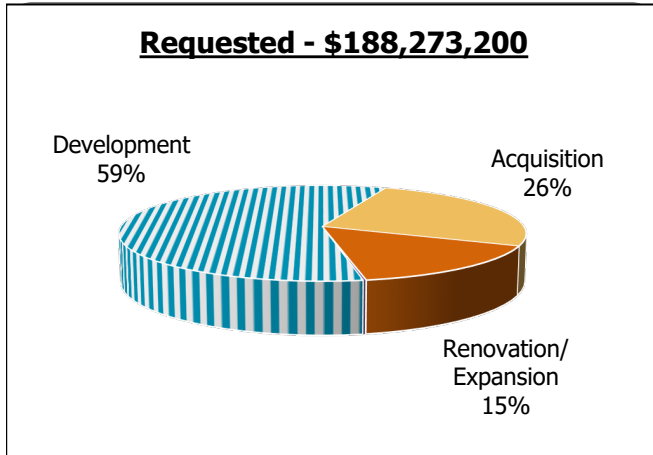


Capital Improvement Program

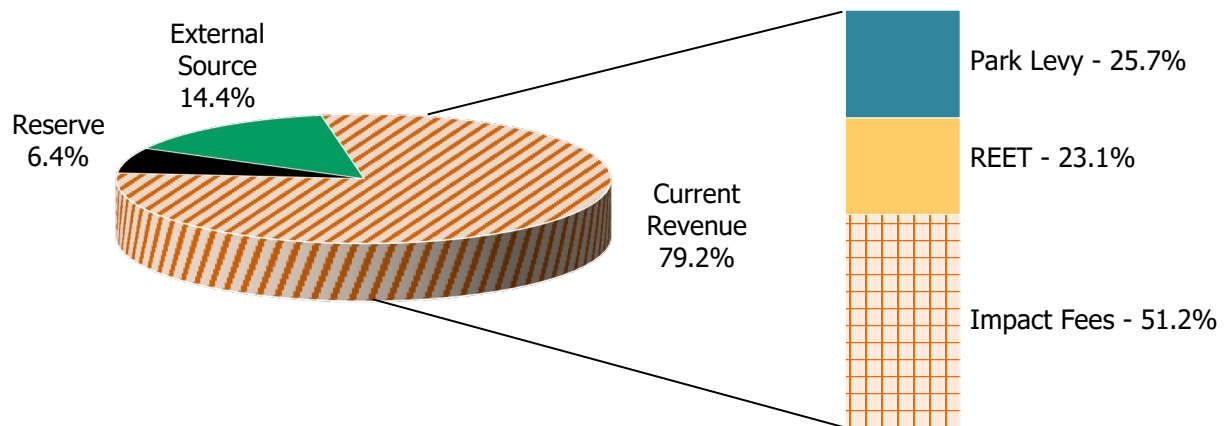


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Parks



Funding Sources



Parks Funding - \$17,758,400

Average Annual Current Revenues

Park Levy - \$250,000
 Real Estate Excise Tax - \$541,667
 Impact Fees - \$1,199,933
 King County Park Levy - \$353,000
 Total Average Revenue - \$2,344,600

City of Kirkland
2021-2026 Capital Improvement Program

PARK PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2021	2022	2023	2024	2025	2026	2021-2026 Total	Funding Source						
										Current Revenue					External Sources	Reserves
										Real Estate Excise Tax	Kirkland Parks Levy	Parks Fac. Sinking Fund	Impact Fees	King County Parks Levy		
PKC 04900	Open Space, Park Land & Trail Acq Grant Match Program		100,000						100,000							100,000
PKC 06600	Parks, Play Areas & Accessibility Enhancements		150,000	140,000	160,000	150,000	370,000	400,000	1,370,000	270,000	1,100,000					
PKC 13310	Dock & Shoreline Renovations	1,629,400	500,000	525,000	300,000	300,000			1,625,000	109,000	210,000				1,306,000	
PKC 13320	City School Playfield Partnership (Kamiakan)	1,838,600			200,000	100,000		100,000	400,000	400,000						
PKC 13330	Neighborhood Park Land Acquisition		1,050,000	1,200,000	1,200,000	600,000	730,000	400,000	5,180,000				5,180,000			
PKC 15100	Park Facilities Life Cycle Projects		162,000	169,000	146,000	160,400	150,200	243,200	1,030,800			1,030,800				
PKC 15200	O.O. Denny Park Improvements - Picnic Shelter	175,000	275,000						275,000	125,000			150,000			
PKC 15400	Indoor Recreation & Aquatic Facility Study				160,000				160,000						160,000	
PKC 15500	Green Loop Master Plan & Acquisition			160,000	560,000	560,000	560,000	560,000	2,400,000						2,400,000	
PKC 15600	Park Restrooms Renovation/Replacement Program				791,500	791,500			1,583,000	1,477,000					106,000	
PKC 15700	Neighborhood Park Development Program						300,000		300,000	300,000						
PKC 15900	Off Leash Dog Areas					609,600	460,000	800,000	1,869,600				1,869,600			
PKC 16100	McAuliffe Park Sanitary Sewer						325,000		325,000	272,000					53,000	
PKC 16200	Wayfinding and Park Signage Program Plan				150,000		300,000	250,000	700,000	150,000					550,000	
PKC 16300	Trail Upgrades				120,000			200,000	320,000	127,000	90,000				103,000	
PKC 17000	ADA Compliance Upgrades					120,000			120,000	20,000	100,000					
Total Funded Park Projects		3,643,000	2,237,000	2,194,000	3,787,500	3,391,500	3,195,200	2,953,200	17,758,400	3,250,000	1,500,000	1,030,800	7,199,600	2,118,000	2,560,000	100,000

Notes
Italics = Modification in timing and/or cost (see Project Modification/Deletion Schedule for more detail)
Bold = New projects
+ = Moved from unfunded status to funded status

PARK PROJECTS

Unfunded Projects:

Project Number	Project Title	Total
PKC 05610	Forbes Lake Park Trail Improvements Phase II	7,680,000
PKC 09510	Heritage Park Development - Phase III & IV	5,120,000
PKC 09700	Reservoir Park Renovation Plan	150,000
PKC 10800	McAuliffe Park Development	9,000,000
PKC 11300	Spinney Homestead Park Renovation Plan	120,000
PKC 11400	Mark Twain Park Renovation Plan	96,000
PKC 11500	Terrace Park Renovation Plan	75,000
PKC 11600	Lee Johnson Field Artificial Turf Installation	6,400,000
PKC 11902	Juanita Beach Park Development Phase II	12,800,000
PKC 12210	Community Recreation Facility Construction	96,000,000
PKC 12400	Snyder's Corner Park Site Master Plan	128,000
PKC 12600	Watershed Park Master Plan	128,000
PKC 12700	Kiwanis Park Master Plan	96,000
PKC 12800	Yarrow Bay Wetlands Master Plan	256,000
PKC 12900	Heronfield Wetlands Master Planning & Development	160,000
PKC 13100	Park & Open Space Acquisition Program	12,800,000
PKC 13510	Juanita Heights Park Master Plan	125,000
PKC 13600	Kingsgate Park Master Planning and Park Development	192,000
PKC 13800	Everest Park Restroom/Storage Building Replacement	2,304,000
PKC 13903	Totem Lake Park Development Phase II	5,120,000
PKC 13904	Totem Lake Park Development Phase III	3,840,000
PKC 14100	South Norway Hill Park Site Master Plan	125,000
PKC 14300	Marsh Park Restroom Replacement	108,800
PKC 14400	Cedar View Park Improvement Plan	76,000
PKC 14500	Environmental Education Center	750,000
PKC 14800	Forbes House Renovation & Historic Preservation Plan	86,000
PKC 14900	Taylor Playfields-Former Houghton Landfill Site Master Plan	384,000
PKC 15000	North Kirkland Community Center Renovation & Expansion Plan	130,000
PKC 16400	Peter Kirk Park - Fencing and Drainage Improvements	250,000
PKC 16500	Skate Park Upgrades	500,000
PKC 16600	Brink Park Gun Mount Renovation	100,000
PKC 16700	O.O. Denny Park Improvements - Sand Volleyball	75,000
PKC 16800	Spray Park	1,500,000
PKC 16900	Marina Park Dock and Shoreline Renovations	3,840,000
Total Unfunded Parks Projects		170,514,800

Notes

Italics = Modification in timing and/or cost

Bold = New projects

" = Moved from funded status to unfunded status

~ = Partially funded project

CITY OF KIRKLAND

2021-2026 CAPITAL IMPROVEMENT PROGRAM

PROJECT SUMMARY

PARKS - Parks

PKC0490000

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)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$100,000	\$0	\$100,000

PKC0660000

PARKS, PLAY AREAS & ACCESSIBILITY 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 and enhancement/refresh of park amenities and landscape features. Completion of enhancements to improve accessibility, such as new/replace pathways, parking lot refurbishment, or building alterations. Parks and facilities enhancements 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.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,370,000	\$0	\$1,370,000

PKC1331000

DOCK AND SHORELINE RENOVATIONS

City-wide

Dock and shoreline renovations at select waterfront parks. Replace decking material to habitat-friendly system. Remove concrete bulkhead and replace with soft shoreline as appropriate. Project locations include: Marina Park, Marsh Park, Houghton Beach, Brink Park, 2nd Ave S Dock, and others. General infrastructure repairs at select waterfront parks based on 2019 Assessment and priority.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,625,000	\$0	\$1,625,000

PKC1332000

CITY-SCHOOL PLAYFIELD PARTNERSHIP

City-wide

Development/improvements to playfields at public school sites to improve playability, safety, and aesthetics. Funding provided to supplement Lake Washington School District (LWSD) school modernization program as selected schools are replaced. School sites to be determined in conjunction with LWSD.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$400,000	\$0	\$400,000

PKC1333000

NEIGHBORHOOD PARK LAND ACQUISITION

City-wide

Acquisition of land for new neighborhood parks in areas of the City where gaps in level of service guidelines have been identified in the Park, Recreation, and Open Space (PROS) Plan. Seven locations include: Finn Hill, Kingsgate, N. Juanita (2), N. Rose Hill, S. Rose Hill, and Bridle Trails.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$5,180,000	\$0	\$5,180,000

PKC1510000

PARK FACILITIES LIFE CYCLE PROJECTS

City-wide

This project will complete on-going repair and/or replacement of major architectural, mechanical, and electrical building systems for structures in City parks. Project will fund major maintenance and is not intended to replace or enhance facilities. Project would not fund major maintenance of residential structures in parks, which would be funded separately.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,030,800	\$0	\$1,030,800

PKC1520000

Finn Hill

OO DENNY PARK IMPROVEMENTS - PICNIC SHELTER

Existing funds remain from the Finn Hill Park District. After irrigation work was completed, a balance of \$25,000 remains. The City and Park District agreed to install a picnic shelter. To support this agreement, an additional \$275,000 is requested.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2017	\$175,000	\$275,000	\$0	\$450,000

PKC1540000

City-wide

INDOOR RECREATION & AQUATIC FACILITY STUDY

Update and re-assess the community's indoor recreation needs. Evaluate existing City community center facilities and Peter Kirk Pool for renovation, expansion, or replacement. Conduct market analysis for programming trends and needs. May include data collection of resident/user opinions and attitudes. Develop prototype facility with cost estimates and siting considerations if appropriate.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$160,000	\$0	\$160,000

PKC1550000

Finn Hill

GREEN LOOP MASTER PLAN & ACQUISITION

As identified in the adopted Finn Hill Neighborhood Plan, develop a master plan for implementation of a 'Green Loop' trail and connectivity plan for the neighborhood. Trail would connect existing and future public open spaces, developed parks, schools, protected forested areas etc. via park trails, right-of-way trails/pathways, and easements on private property.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2022	\$0	\$2,400,000	\$0	\$2,400,000

PKC1560000

City-wide

PARK RESTROOMS RENOVATION/REPLACEMENT PROGRAM

Renovation/replacement of one or more park restrooms (to be determined). Candidates include Everest Park, Houghton Beach Park, Marsh Park, or other restrooms based on a detailed assessment and cost estimates.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$1,583,000	\$0	\$1,583,000

PKC1570000

City-wide

NEIGHBORHOOD PARK DEVELOPMENT PROGRAM

Development of newly-acquired neighborhood parks to meet level of service goals. Selection of park site to be determined by City Council following recommendations from Park Board. Park improvements at selected site to be determined following community involvement process.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2025	\$0	\$300,000	\$0	\$300,000

PKC1590000

City-wide

OFF-LEASH DOG AREAS

Policy 5.6 - Specialized Recreational Facilities in the PROS Plan: Establish and operate specialized recreational facilities to respond to identified public needs, as appropriate. Specific Action/Objective defined as: Consider siting additional off-leash areas in suitable parks, where off-leash use is safe and would have limited environmental impacts.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2024	\$0	\$1,869,600	\$0	\$1,869,600

PKC1610000

South Juanita

MCAULIFFE PARK SANITARY SEWER

The park public restroom facilities rely on an aging septic system nearing the end of its useful life. The restroom facilities are not only used by the public but also Parks and Public Works employees. Replacing this system to a sanitary sewer line will address aging infrastructure while improving service.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2025	\$0	\$325,000	\$0	\$325,000

PKC1620000

City-wide

WAYFINDING AND PARK SIGNAGE PROGRAM PLAN

A park signage program plan to help orient, direct and inform visitors while creating a City of Kirkland branded space. Signage will also provide for consistent messaging regarding rules to help facilitate appropriate behavior and compliance and allow for enforcement. Examples of park sign types include general park rules sign at entrances, rule signs in pertinent areas, wayfinding to parks and within parks, and educational signage on significant features (environmental, historical markers). A master plan would evaluate the park system, identify opportunities for improved or new signage and provide an implementation plan with cost estimates.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$700,000	\$0	\$700,000

PKC1630000

City-wide

TRAIL UPGRADES

Trails are one of the most used assets in the parks. To address the heavy use, this project would fund improvements and enhancements such as surfacing, grading and repairs.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$320,000	\$0	\$320,000

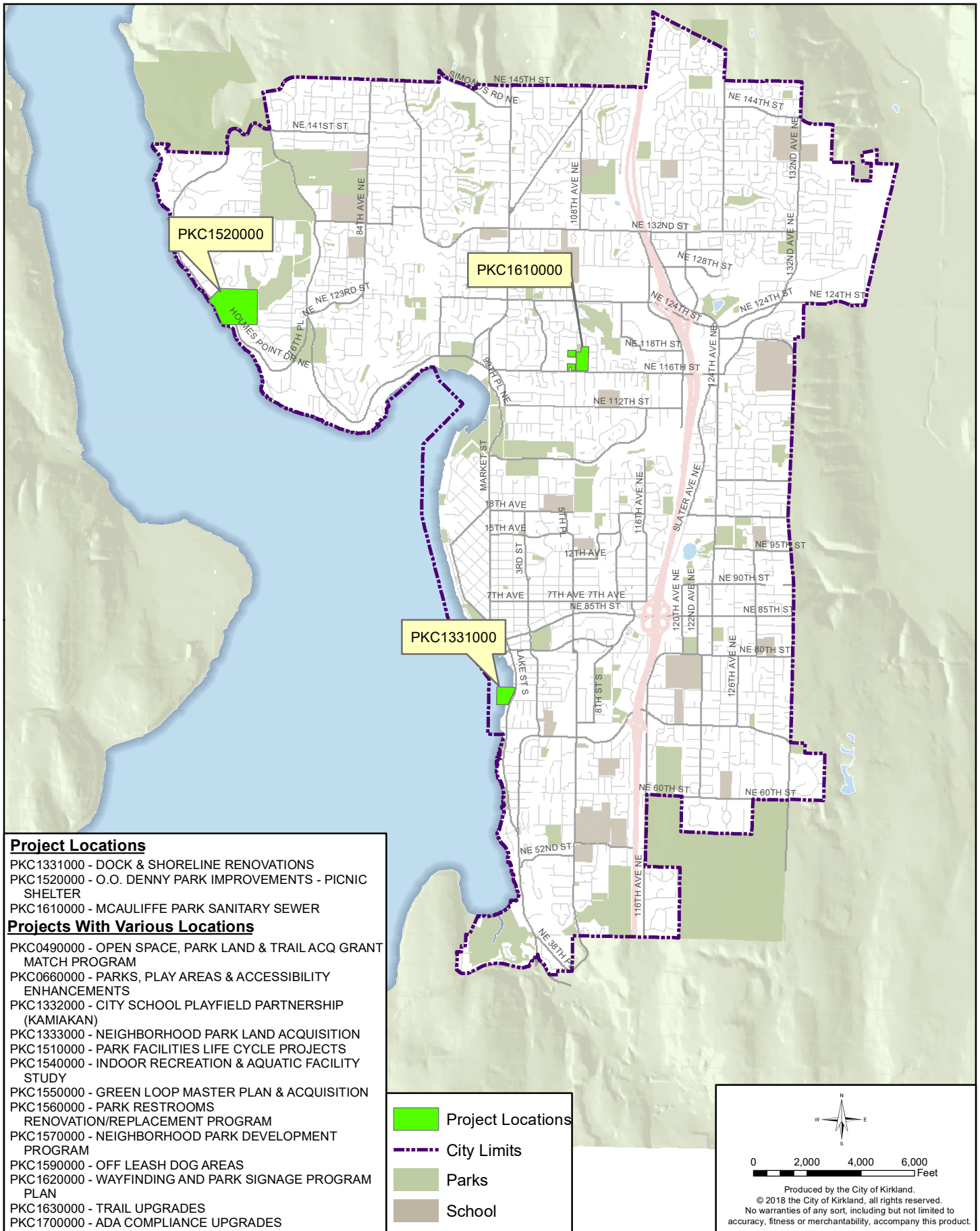
PKC1700000

City-wide

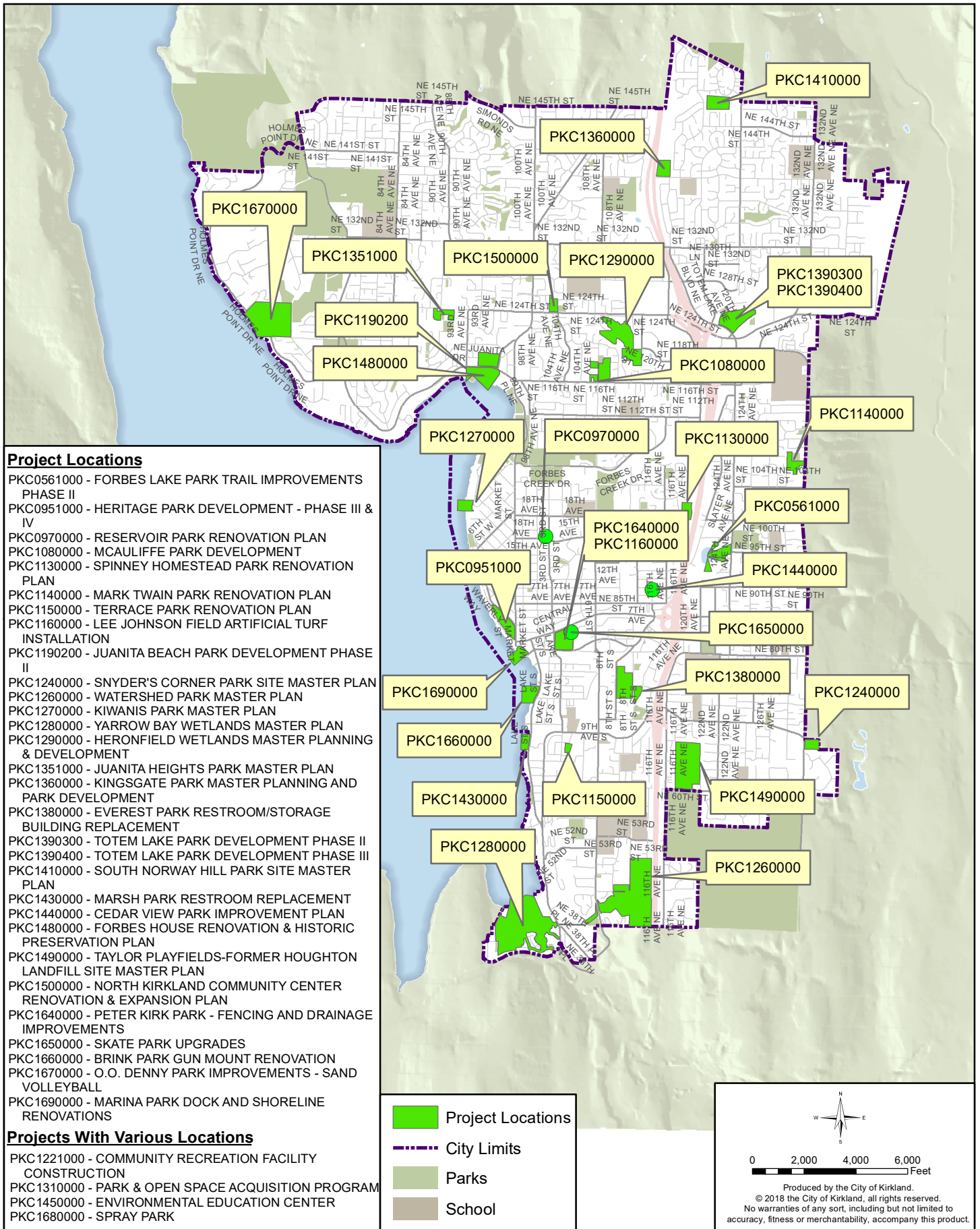
ADA COMPLIANCE UPGRADES

Project would address existing compliance issues in the parks and to provide better access for people with disabilities. OO Denny is proposed for 2024 to install an asphalt path that better reaches the picnic shelter and also provides access to the view of the lake.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2024	\$0	\$120,000	\$0	\$120,000



2021-2026 Funded Parks CIP



2021-2026 Unfunded Parks CIP

General Government

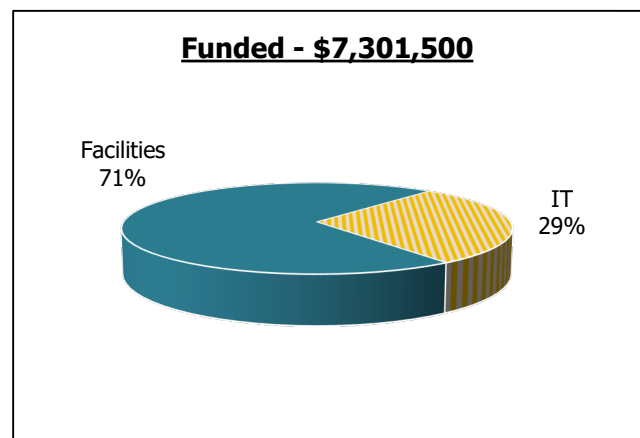
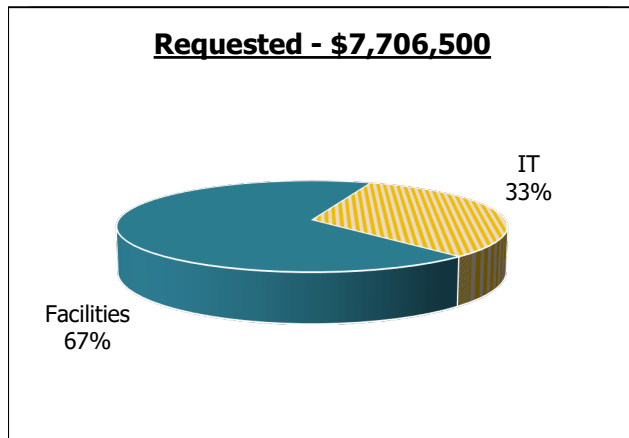


Capital Improvement Program

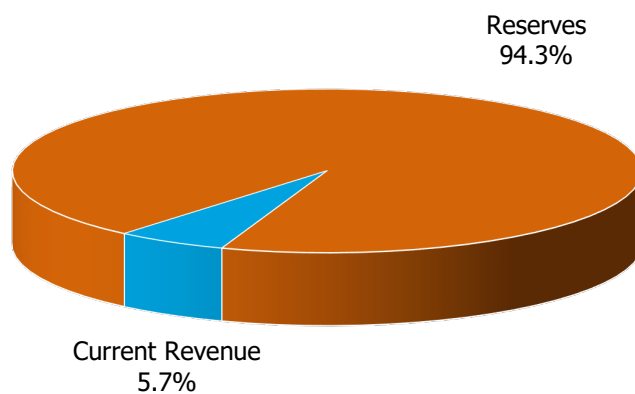


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General Government



Funding Sources



General Government Funding - \$7,301,500

City of Kirkland

2021-2026 Capital Improvement Program

GENERAL GOVERNMENT PROJECTS - Facilities

Funded Projects:

Facilities Sinking Fund										Funding Source			
Project Number	Project Title	Prior Year(s)	2021	2022	2023	2024	2025	2026	2021-2026 Total	Current Revenue	Reserve	Debt	External Source
GGC 00800	<i>Electrical, Energy Management & Lighting Systems</i>		27,200	96,400	28,400	152,600	23,400	170,000	498,000		498,000		
GGC 00900	<i>Mechanical/HVAC Systems Replacements</i>		14,600	12,000	406,800	299,400	141,700	51,000	925,500		925,500		
GGC 01000	<i>Painting, Ceilings, Partition & Window Replacements</i>		59,900	13,500	140,800	292,200	57,000	178,900	742,300		742,300		
GGC 01100	<i>Roofing, Gutter, Siding and Deck Replacements</i>		970,100		337,100	20,200	8,000	7,400	1,342,800		1,342,800		
GGC 01200	<i>Flooring Replacements</i>		172,500	28,400	22,700	157,900	154,700	150,000	686,200		686,200		
Total Funded General Government Projects - Facilities Sinking Fund		-	1,244,300	150,300	935,800	922,300	384,800	557,300	4,194,800	-	4,194,800	-	-

Other Projects										Funding Source			
Project Number	Project Title	Prior Year(s)	2021	2022	2023	2024	2025	2026	2021-2026 Total	Current Revenue	Reserve	Debt	External Source
GGC 04400	Virtual Service Center	1,000,000	1,000,000						1,000,000		1,000,000		
Subtotal Funded General Government - Other Projects		1,000,000	1,000,000	-	-	-	-	-	1,000,000	-	1,000,000	-	-

Total Funded General Government Projects - Facilities		1,000,000	2,244,300	150,300	935,800	922,300	384,800	557,300	5,194,800	-	5,194,800	-	-
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Notes
Italics = Modification in timing and/or cost (see Project Modification/Deletion Schedule for more detail)
Bold = New projects
 + = Moved from unfunded status to funded status
 " = Moved from funded status to unfunded status

Note: No Unfunded Facilities Projects

City of Kirkland

2021-2026 Capital Improvement Program

GENERAL GOVERNMENT PROJECTS - Technology

Funded Projects:

Project Number	Project Title	Prior Year Funding	2021	2022	2023	2024	2025	2026	2021-2026 Total	Funding Source	
										Reserves	Utility Funds
ITC 10000	Network Server and Storage Replacements					410,900			410,900	380,600	30,300
ITC 11000	Network Infrastructure		40,500	40,500	40,500	40,500	95,400	83,400	340,800	230,000	110,800
ITC 13000	Network Phone Systems		82,000	290,000	12,000	12,000	12,000	12,000	420,000	383,100	36,900
ITC 14000	Network Security		75,000	30,000	75,000	30,000	75,000	30,000	315,000	238,100	76,900
ITC 20000	Geographic Information Systems		70,000	100,000	70,000	135,000	70,000	100,000	545,000	381,500	163,500
ITC 50000	Copier Replacements		15,000	15,000	15,000	10,000	10,000	10,000	75,000	75,000	-
Total Funded General Government Projects - Technology			282,500	475,500	212,500	638,400	262,400	235,400	2,106,700	1,688,300	418,400

Notes

Italics = Modification in timing and/or cost (see Project Modification/Deletion Schedule for more detail)

Bold = New projects

+ = Moved from unfunded status to funded status

Technology Unfunded Projects:

Project Number	Project Title	Total
ITC 00906	Television Media Equipment Upgrade	210,000
ITC 01301	Parking Improvement Solutions Support	75,000
ITC 01600	Parking Ticketing System Replacement	120,000
Total Unfunded General Government Projects - Technology		405,000

Notes

Italics = Modification in timing and/or cost

Bold= New projects

CITY OF KIRKLAND

2021-2026 CAPITAL IMPROVEMENT PROGRAM

PROJECT SUMMARY

GENERAL GOVERNMENT - Facilities

GGC0080000 ELECTRICAL, ENERGY MANAGEMENT, AND LIGHTING SYSTEMS

City-wide

The funds will cover the cost of replacing electrical, energy management and lighting systems such as: alarm panels, interior and exterior lighting, and direct digital control energy management systems at the end of their useful lives. The following buildings are included in the Life Cycle Model: City Hall, all Fire Stations, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, the Municipal Parking Garage, the Kirkland Justice Center, and all of the structures at the Public Works and Parks Maintenance Centers. The life cycle is 15 years for a typical exterior or interior light fixture and 20 years for an energy management system. Any facility in this group that has one of these items scheduled to occur from 2021-2026 is included in this project.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$498,000	\$0	\$498,000

GGC0090000 MECHANICAL/HVAC SYSTEMS REPLACEMENTS

City-wide

The funds requested will cover the cost of replacing mechanical systems including boilers and hot water tanks, sump pumps, and Heating Ventilation and Air Conditioning (HVAC) systems as these items reach the end of their useful lives. The following buildings are included in the Life Cycle Model: City Hall, all Fire Stations, 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, the Kirkland Justice Center, and all of the structures at the Public Works and Parks Maintenance Centers. Any facility in this group that has one of these items scheduled to occur from 2021-2026 is included in this project.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$925,500	\$0	\$925,500

GGC0100000 PAINTING, CEILINGS, PARTITION, AND WINDOW REPLACEMENTS

City-wide

The funds will cover the cost of interior and exterior painting, parking garage striping, and window and window film replacement at City buildings as these items reach the end of their life cycle. The following buildings are included in the Life Cycle Model: City Hall, all Fire Stations, Peter Kirk Community Center, North Kirkland Community Center, Kirkland Teen Union Building, City Hall Annex, Heritage Hall, Kirkland Performing Arts Center, the Municipal Parking Garage, the Kirkland Justice Center, and all of the structures at the Public Works and Parks Maintenance Centers. The Life Cycle Model for these buildings has the interior and exterior painting occurring on an eight-year cycle. Any facility in this group that has one of these items scheduled to occur from 2021-2026 is included in this project.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$742,300	\$0	\$742,300

GGC0110000 ROOFING, GUTTER, SIDING AND DECK REPLACEMENTS

City-wide

The funds will cover the cost of roofing, gutter, siding and deck replacement, and parking lot resurfacing at City buildings as these items reach the end of their life cycle. The following buildings are included in the Life Cycle Model: City Hall, all Fire Stations, 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, the Kirkland Justice Center, and all of the structures at the Public Works and Parks Maintenance Centers. The current Life Cycle Model for these buildings has the life cycle for roofing ranging from 20 to 40 years (depending on the type), and gutters and decks are scheduled for 15 years. Any facility in this group that has one of these items scheduled to occur from 2021-2026 is included in this project.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$1,342,800	\$0	\$1,342,800

GGC0120000**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 Kirkland Justice Center, and all of the structures at the Public Works and Parks Maintenance Centers. Any facility in this group that has one of these items scheduled to occur from 2021-2026 is included in this project.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$686,200	\$0	\$686,200

GGC0440000**VIRTUAL SERVICE CENTER**

Project was previously titled City Hall Expansion and was previously approved with \$1 million funded from the Development Services Reserve in the General Fund. An additional \$1 million is added from the Development Services Reserve for 2021, thus placing the capital project on the 2021-2026 CIP. The total project funding is now \$2 million.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2020	\$1,000,000	\$1,000,000	\$0	\$2,000,000

CITY OF KIRKLAND

2021-2026 CAPITAL IMPROVEMENT PROGRAM

PROJECT SUMMARY

GENERAL GOVERNMENT - Information Technology

ITC1000000 NETWORK SERVER AND STORAGE REPLACEMENTS

City-wide

Provides for the regular replacement of network on-premise servers that house several software systems including the City's traffic management system and building security systems.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$410,900	\$0	\$410,900

ITC1100000 NETWORK INFRASTRUCTURE

City-wide

Provides for upgrades/replacements of network routers, switches, firewalls, wireless access points and other hardware security appliances (e.g. intrusion prevention system, email and internet monitoring and filtering). This equipment connects City outbuildings, network servers, network storage, the phone system and staff computers to our core network. It provides secure connections to networks outside of the City's internal network and the Internet. This project also funds the City's share of the capital costs associated with the Community Connectivity Consortium (city/schools/hospital fiber optic network).

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$340,800	\$0	\$340,800

ITC1300000 NETWORK PHONE SYSTEMS

City-wide

Provides for upgrades/replacements of the City's phone system. In 2022, the City's current phone system is due for its regularly scheduled software upgrade and hardware replacement. This CIP funds that project.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$420,000	\$0	\$420,000

ITC1400000 NETWORK SECURITY

City-wide

Provides funding for a regularly scheduled information technology security assessment by a third party. Often the findings from these assessments will recommend additional safeguards for information technology systems. Additional consultant resources may be required to actually accomplish this work.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$315,000	\$0	\$315,000

ITC2000000 GEOGRAPHIC INFORMATION SYSTEMS

City-wide

The GIS program directly benefits at least two-thirds of City staff with easily accessible GIS Browsers, multiple standard products, a high quality spatial data repository, data analytics, training, and advanced tools/applications tailored to meet identified business needs. GIS also benefits citizens and businesses in Kirkland directly through public-facing Kirkland Maps, the CIP interactive map, and regional projects like lidar, aerial mapping, eCityGov MBP support, etc. The City's IT Manager - Spatial Systems works closely with the GIS Steering Committee and Finance to ensure priorities and performance are aligned with the City's work plan, City Council goals, and resource constraints. Community initiatives such as transportation, economic development, public safety, and regional collaboration are all reflected in the GIS program tasks and products. The GIS work plan includes ongoing database maintenance, addressing, special projects, technical program enhancements, permitting integration (Energov), maintenance management system (Lucity), public safety, and workgroup-specific support.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$545,000	\$0	\$545,000

ITC5000000

City-wide

COPIER REPLACEMENTS

Provides for regular replacement of multi-function copiers and wide format plotters. Also included is the wide format (KIP) scanner/copier in the Planning Department. Currently there are 35 machines at various City buildings. Equipment is generally replaced after seven years, but usage, parts availability and repair frequency determine actual replacement date.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$75,000	\$0	\$75,000

Public Safety



Capital Improvement Program

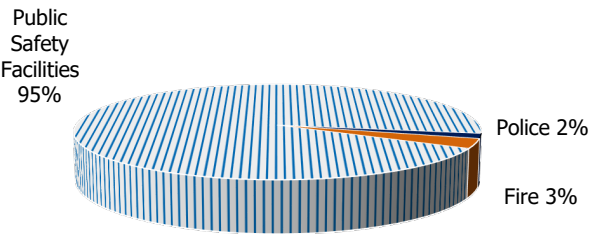


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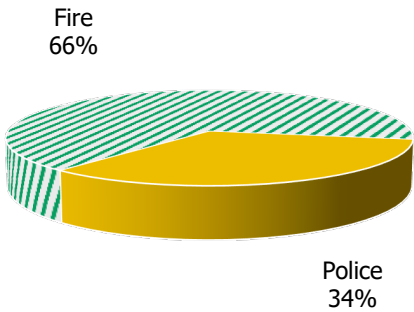
Public Safety



Requested - \$58,713,300



Funded - \$2,913,300



Funding Sources

Reserve 100.0%



Public Safety Funding - \$2,913,300

City of Kirkland
2021-2026 Capital Improvement Program

PUBLIC SAFETY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2021	2022	2023	2024	2025	2026	2021-2026 Total	Funding Source		
										Reserve	Debt	External Source
FIRE												
<i>PSC 06300</i>	<i>Air Fill Station Replacement</i>					86,200			86,200	86,200		
<i>PSC 07100</i>	<i>Self Contained Breathing Apparatus (SCBA)</i>				767,100	115,100		35,800	918,000	918,000		
<i>PSC 07600</i>	<i>Personal Protective Equipment</i>		6,800	6,900	7,100	678,500	7,300	7,500	714,100	714,100		
<i>PSC 20000</i>	<i>Fire Equipment Replacement</i>		43,000	8,300	28,600	27,000	29,800	77,100	213,800	213,800		
POLICE												
<i>PSC 10000</i>	<i>Police Equipment Replacement</i>		122,700	110,700	160,300	160,300	266,300	160,900	981,200	981,200		
FACILITIES												
									-			
									-			
Total Funded Public Safety Projects			-	172,500	125,900	963,100	1,067,100	303,400	281,300	2,913,300	2,913,300	-

Notes

Italics = Modification in timing and/or cost (see Project Modification/Deletion Schedule for more detail)

Bold = New projects

+ = Moved from unfunded status to funded status

Public Safety Unfunded Projects:

Project Number	Project Title	Total	Estimated Construction Start
FIRE			
	No Unfunded Projects		
POLICE			
	No Unfunded Projects		
FACILITIES			
PSC 30040	<i>Fire Station 21 Expansion & Remodel</i>	6,023,000	March 2025
PSC 30050	<i>Fire Station 22 Expansion & Remodel</i>	9,617,300	August 2022
PSC 30060	<i>Fire Station 26 Expansion & Remodel</i>	8,432,000	January 2024
PSC 30070	<i>Fire Station 27 Replacement</i>	28,521,800	June 2022
PSC 30080	Temporary Fire Station	3,205,900	January 2022
Total Unfunded Public Safety Projects		55,800,000	

Notes

Italics = Modification in timing and/or cost (see Project Modification/Deletion Schedule for more detail)

Bold = New projects

+ = Moved from unfunded status to funded status

" = Moved from funded status to unfunded status

**CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

PUBLIC SAFETY - Public Safety

PSC0630000 AIR FILL STATION REPLACEMENT

North Rose Hill

The breathing air fill station is used to fill the bottles used by firefighters during fire combat situations. Without an air fill station, a safe firefighting work site would not be able to be supported.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$86,200	\$0	\$86,200

PSC0710000 SELF-CONTAINED BREATHING APPARATUS (SCBA)

City-wide

Replace self-contained breathing apparatus (SCBA) on fire department emergency response vehicles. As the equipment becomes worn it is increasingly expensive to repair and maintain, along with new updated technology for firefighter survivability and safety being available. The project cost covers new SCBA tanks, units, extra masks, and a "buddy breathing system" for each unit.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$918,000	\$0	\$918,000

PSC0760000 PERSONAL PROTECTIVE EQUIPMENT

City-wide

Scheduled replacement of Fire suppression personal protective equipment (PPE). PPE is essential equipment and this project provides two PPE kits for each firefighter, helping to ensure firefighter safety. Replacement of the equipment is on a five year cycle.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$714,100	\$0	\$714,100

PSC1000000 POLICE EQUIPMENT REPLACEMENT

City-wide

Planned periodic replacement of Police Department equipment including weapons, protective equipment, breathalyzers and radar. The replacement cycles included in the Police Sinking Fund take into account the industry standard for replacement to avoid items that become obsolete and to take advantage of items that better protect our officers due to advances in technology and fabrication.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$981,200	\$0	\$981,200

PSC2000000 FIRE EQUIPMENT REPLACEMENT

City-wide

Project combines funding for replacement of fire equipment under \$50,000. Current equipment includes: hoses, physical fitness equipment, radio batteries, and body armor.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$213,800	\$0	\$213,800

Water and Sewer Utilities



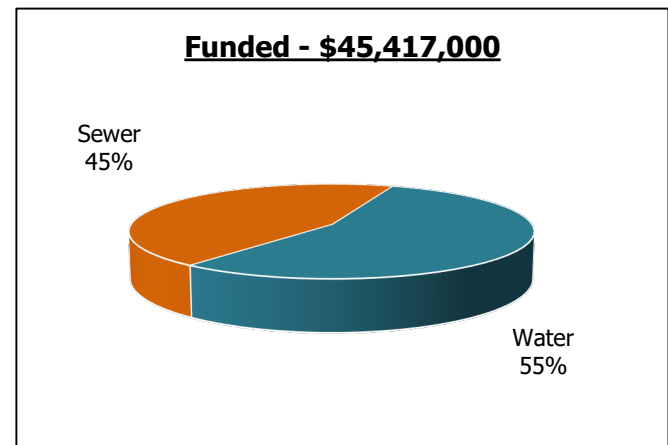
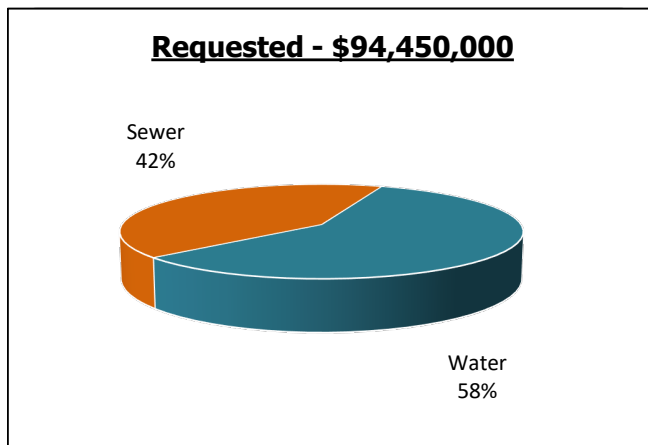
Capital Improvement Program



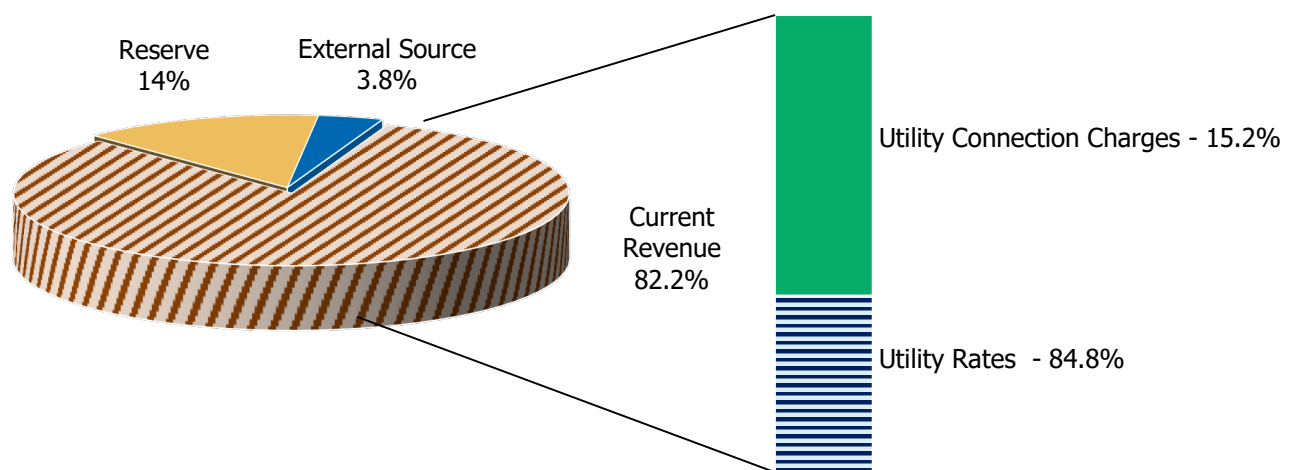
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Utilities

Water and Sewer



Funding Sources



Utility Funding - \$45,417,000

<u>Average Annual Current Revenues</u>	
Utility Rates -	\$5,265,823
Connection Charges -	\$945,000
Total Average Annual Revenue - \$6,210,823	

City of Kirkland

2021-2026 Capital Improvement Program

WATER/SEWER UTILITY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2021	2022	2023	2024	2025	2026	2021-2026 Total	Funding Source				
										Current Revenue	Reserve	Debt	Secured External	Unsecured External
WAC 05200	108th Avenue NE Watermain Replacement	2,120,775	809,600						809,600	507,600	302,000			
WAC 05700+	116th Ave NE Watermain Replacement						400,000	2,700,000	3,100,000	3,100,000				
WAC 12900	South Reservoir Seismic & Recoating Construction		1,200,000	2,800,000					4,000,000	2,288,000			1,712,000	
WAC 13400	5th Avenue S / 8th Street S Watermain Replacement		565,400	1,184,600					1,750,000	1,750,000				
WAC 13700+	NE 73rd Street Watermain Replacement				1,440,900	1,659,100			3,100,000	2,450,000	650,000			
WAC 14900+	Lake Washington Blvd Watermain Replacement						500,000	1,317,600	1,817,600	1,817,600				
WAC 15700	8th Avenue W Watermain Improvement	421,800		554,400	571,500				1,125,900	571,500	554,400			
WAC 16000	126th Avenue NE Watermain Improvement			1,500,000					1,500,000	845,000	655,000			
WAC 16400	NE 116th Place Watermain Replacement							233,400	233,400	233,400				
WAC 16700	11th Avenue Watermain Replacement							460,000	460,000	460,000				
WAC 16800	11th Place Watermain Replacement							650,000	650,000	650,000				
WAC 16900	NE 85th St and I-405 Watermain Relocation		4,855,000	1,655,000					6,510,000	5,110,000	1,400,000			
SSC 06200	NE 108th Street Sewermain Replacement					2,243,400	4,145,100	1,354,000	7,742,500	7,742,500				
SSC 07710	West of Market Sewermain Replacement Phase I				4,317,600	2,812,500	3,069,900		10,200,000	7,400,000	2,800,000			
SSC 08600	8th Avenue W Sewermain Improvement			400,000	1,518,000				1,918,000	1,918,000				
SSC 08700	West of Market Sewermain Replacement Predesign			500,000					500,000	500,000				
Total Funded Water/Sewer Utility Projects		2,542,575	7,430,000	8,594,000	7,848,000	6,715,000	8,115,000	6,715,000	45,417,000	37,343,600	6,361,400	0	1,712,000	0

Notes

Italics = Modification in timing and/or cost (see Project Modification/Deletion Schedule for more detail)

Bold = New projects

+ = Moved from unfunded status to funded status

WATER/SEWER UTILITY PROJECTS

Unfunded Projects:

Project Number	Project Title	Total
WAC 06700	North Reservoir Pump Replacement	644,000
WAC 09600	NE 83rd Street Watermain Replacement	477,000
WAC 09800	126th Ave NE/NE 83rd & 84th St/128th Ave NE Watermain Replacement	1,261,000
WAC 10300	NE 113th Place/106th Ave NE Watermain Replacement	885,000
WAC 10400	111th Ave NE/NE 62nd St-NE 64th St Watermain Replacement	1,571,000
WAC 10800	109th Ave NE/NE 58th St Watermain Replacement	532,000
WAC 10900	112th Ave NE Watermain Replacement	1,242,000
WAC 11100	NE 45th St And 110th/111th Ave NE Watermain Replacement	1,371,000
WAC 11300	116th Ave NE/NE 70th-NE 80th St Watermain Replacement	2,336,000
WAC 11800	112th-114th Avenue NE/NE 67th-68th Street Watermain Replacement	3,531,000
WAC 11900	109th Ave NE/111th Way NE Watermain Replacement	2,421,000
WAC 12000	111th Avenue Watermain Replacement	195,000
WAC 12200	116th Avenue NE/NE 100th Street Watermain Replacement	1,584,000
WAC 12300	NE 91st Street Watermain Replacement	479,000
WAC 12400	NE 97th Street Watermain Replacement	722,000
WAC 12600	North Reservoir Outlet Meter Addition	80,000
WAC 12700	650 Booster Pump Station	1,686,000
WAC 12800	106th Ave NE-110th Ave NE/NE 116th St-NE 120th St Watermain Replacement	2,422,000
WAC 13000	11th Place Watermain Replacement	359,000
WAC 13100	Supply Station #1 Improvements	68,000
WAC 13200	7th Avenue/Central Avenue Watermain Replacement	955,000
WAC 13500	NE 75th Street Watermain Replacement	750,000
WAC 13600	NE 74th Street Watermain Replacement	206,000
WAC 13800	NE 72nd St/130th Ave NE Watermain Replacement	1,553,000
WAC 14500	6th Street South Watermain Replacement	618,000
WAC 14600	6th Street/Kirkland Way Watermain Replacement	731,000
WAC 14700	106th Avenue NE Watermain Replacement	697,000
WAC 16500	3rd Street Watermain Replacement - Phase 2	541,000
SSC 06800	124th Avenue NE Sewermain Replacement	1,384,000
SSC 07799	West Of Market Sewermain Replacement Phase 2	10,861,000
SSC 08000	20th Avenue Sewermain Replacement	855,000
SSC 08300	111th Avenue NE Sewer Main Rehabilitation	764,000
SSC 08400	Reclaimed Water (Purple Pipe) Opportunity Fund	5,252,000
Subtotal Unfunded Water/Sewer Utility Projects		49,033,000

Notes

Italics = Modification in timing and/or cost

Bold = New projects

" = Moved from funded status to unfunded status

**CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

WATER AND SEWER UTILITIES - Water

WAC0520000 108TH AVENUE NE WATERMAIN REPLACEMENT

Central Houghton Replacement of approximately 2,620 feet of 8-inch asbestos concrete watermain with new 12-inch ductile iron pipe on 108th Avenue NE, between NE 60th Street and NE 68th Street. The existing watermain serves a large area and system modeling shows that this watermain is at 60% to 69% of desired flow capacity.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2020	\$1,023,800	\$809,600	\$0	\$1,833,400

WAC0570000 116TH AVENUE NE WATERMAIN REPLACEMENT

Highlands Replacement of approximately 3,930 feet of 8-inch cast iron and 12-inch asbestos concrete watermain with new 16-inch ductile iron pipe on 116th Avenue NE, between NE 85th Street and approximately NE 100th Street. The existing watermain serves a large area and system modeling shows that this watermain is less than 60% of desired fire flow capacity.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2025	\$0	\$3,100,000	\$0	\$3,100,000

WAC1290000 SOUTH RESERVOIR SEISMIC AND RECOATING CONSTRUCTION

Bridle Trails A seismic retrofit and full interior and exterior recoating of the existing South Reservoir. This joint facility improvement will require participation by the Cities of Redmond (34%) and Bellevue (13%) at established proportionate shares on a total project cost estimated at \$4,000,000.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$4,000,000	\$0	\$4,000,000

WAC1340000 5TH AVENUE S/8TH STREET S WATERMAIN REPLACEMENT

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

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$1,750,000	\$0	\$1,750,000

WAC1370000 NE 73RD STREET WATERMAIN REPLACEMENT

South Rose Hill Replacement of approximately 1,570 feet of 6-inch asbestos line with new 8-inch ductile iron pipe along NE 73rd Street, between 116th Avenue NE and 119th Avenue NE.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$3,100,000	\$0	\$3,100,000

WAC1490000 LAKE WASHINGTON BLVD WATERMAIN REPLACEMENT

Lakeview Replacement of approximately 1,584 feet of undersized 8 and 10-inch diameter asbestos cement and ductile iron watermain originally installed as early as the 1970's with 12 and 16-inch ductile iron watermain. The proposed improvements include 12-inch watermain in Lake Washington Blvd from NE 38th Place to Northup Way and a 16-inch water main in Northup Way from Lake Washington Blvd to the Bellevue intertie (shared connection).

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2025	\$0	\$1,817,600	\$0	\$1,817,600

WAC1570000

Market

8TH AVENUE W WATERMAIN IMPROVEMENT

Replace approximately 1,900 feet of 4-inch cast iron pipe with 8-inch ductile iron watermain.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2018	\$0	\$1,125,900	\$0	\$1,125,900

WAC1600000

South Rose Hill

126TH AVENUE NE WATERMAIN IMPROVEMENT

Replace approximately 2,600 feet of 8-inch asbestos concrete pipe with 2,600 feet of 8-inch ductile iron watermain.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2022	\$0	\$1,500,000	\$0	\$1,500,000

WAC1640000

North Juanita

NE 116TH PLACE WATERMAIN REPLACEMENT

Replace approximately 230 feet of 8-inch asbestos concrete pipe with new 8-inch ductile iron pipe.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2026	\$0	\$233,400	\$0	\$233,400

WAC1670000

Norkirk

11TH AVENUE WATERMAIN REPLACEMENT

Replace approximately 560 feet of 8-inch asbestos concrete pipe with new 8-inch ductile iron pipe.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2026	\$0	\$460,000	\$0	\$460,000

WAC1680000

Norkirk

11TH PLACE WATERMAIN REPLACEMENT

Replace approximately 815 feet of 8-inch asbestos concrete pipe with new 8-inch ductile iron pipe.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2026	\$0	\$650,000	\$0	\$650,000

WAC1690000

North Rose Hill

NE 85TH STREET AND I-405 WATERMAIN RELOCATION

Relocate watermain to accommodate three-tiered roadway/interstate configuration associated with new BRT station

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$6,510,000	\$0	\$6,510,000

**CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

WATER AND SEWER UTILITIES - Sewer

SSC0620000 NE 108TH STREET SEWERMAIN REPLACEMENT

South Juanita

Replace and/or rehabilitate the existing trunk line with approximately 3,000 feet of 12-inch to 18-inch diameter PVC pipe. Perform video inspection to determine the extent of the improvements. The existing trunk line, a likely source of inflow and infiltration (I/I), experiences minor storm event surcharging and does not have adequate capacity for full development within the basin.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2024	\$0	\$7,742,500	\$0	\$7,742,500

SSC0771000 WEST OF MARKET SEWERMAIN REPLACEMENT - PHASE 1

Market

The replacement of concrete sewermain in the Market Neighborhood, Market Street to Lake Washington and Waverly Way to 20th Place West.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$10,200,000	\$0	\$10,200,000

SSC0860000 8TH AVENUE W SEWERMAIN IMPROVEMENT

Finn Hill

Replace and/or rehabilitate approximately 2000 feet of 6" concrete sewer-line with polyvinyl chloride (PVC) sewer pipe. This is proposed to be concurrent and linked with WAC 15700, and fulfills part of the SSC07710 footprint

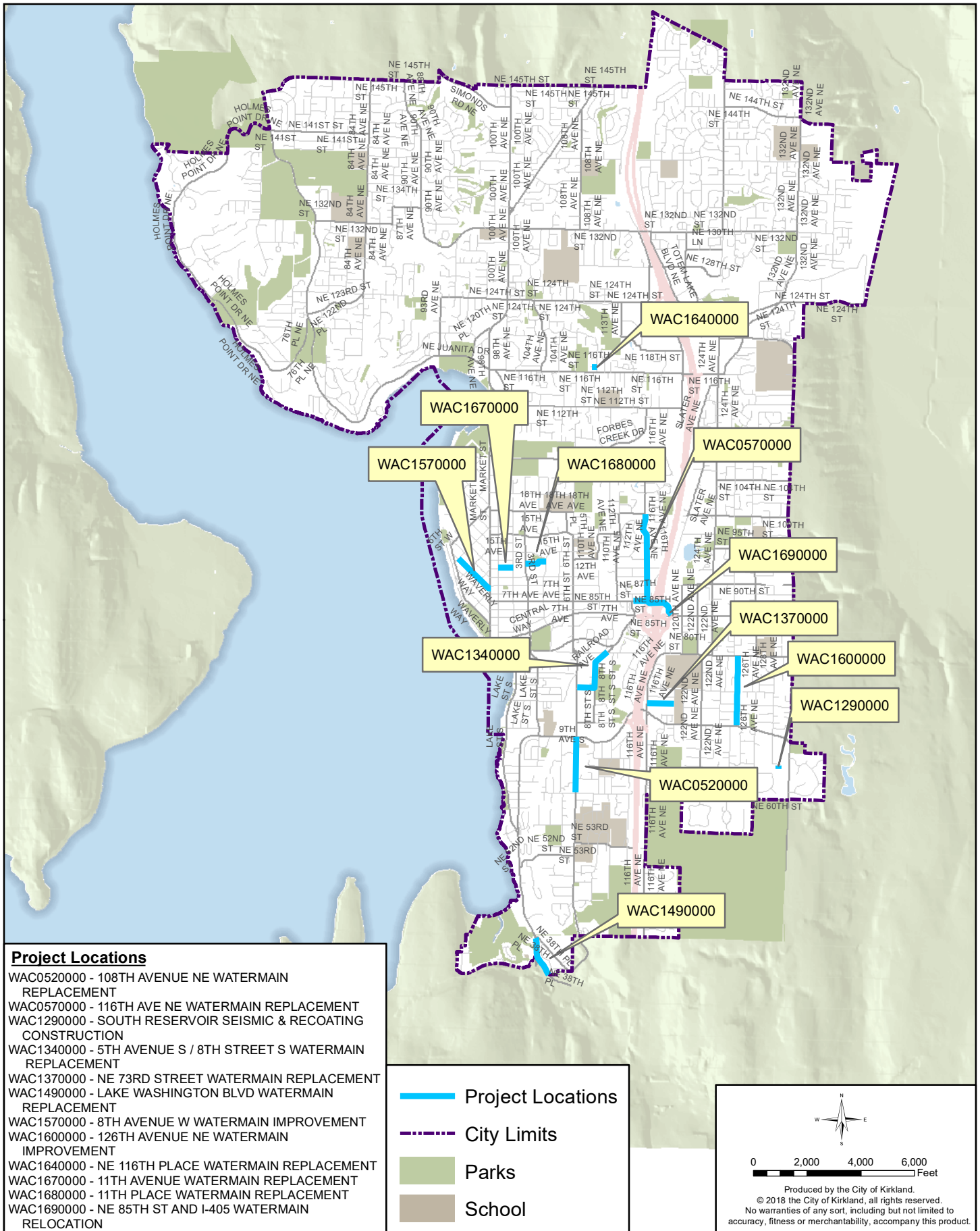
PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2022	\$0	\$1,918,000	\$0	\$1,918,000

SSC0870000 WEST OF MARKET SEWERMAIN REPLACEMENT PRE-DESIGN

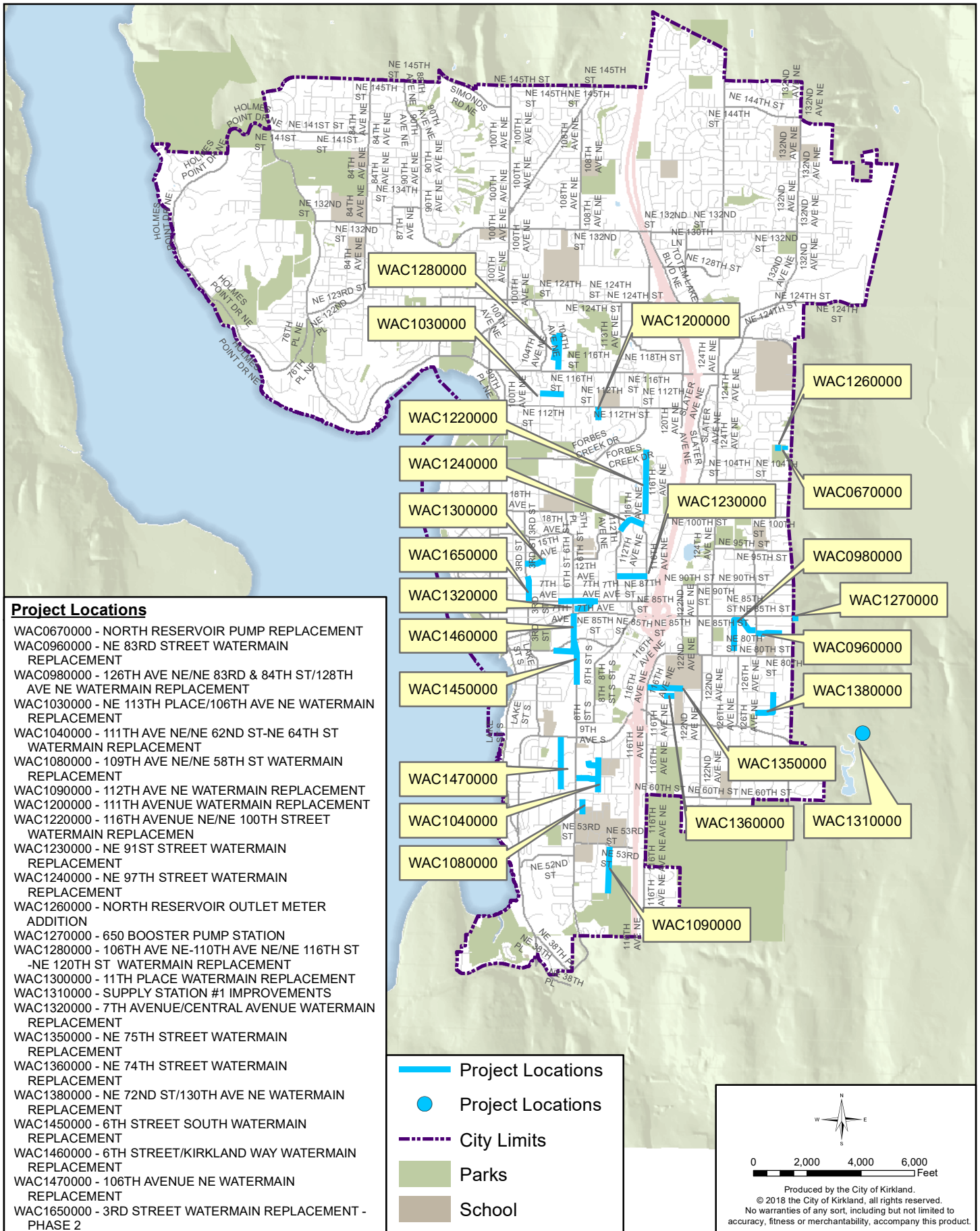
Market

Replace/update the original West of Market Sewermain Phase I with a preliminary design phase that will evaluate existing conditions for all mains, manholes, and related structures in project area. This will include developing an inventory of what needs replaced versus can be rehabilitated (including considerations of increased capacity needs), and will establish a program of individual capital improvement projects for completion of overall Phase I/Phase II area.

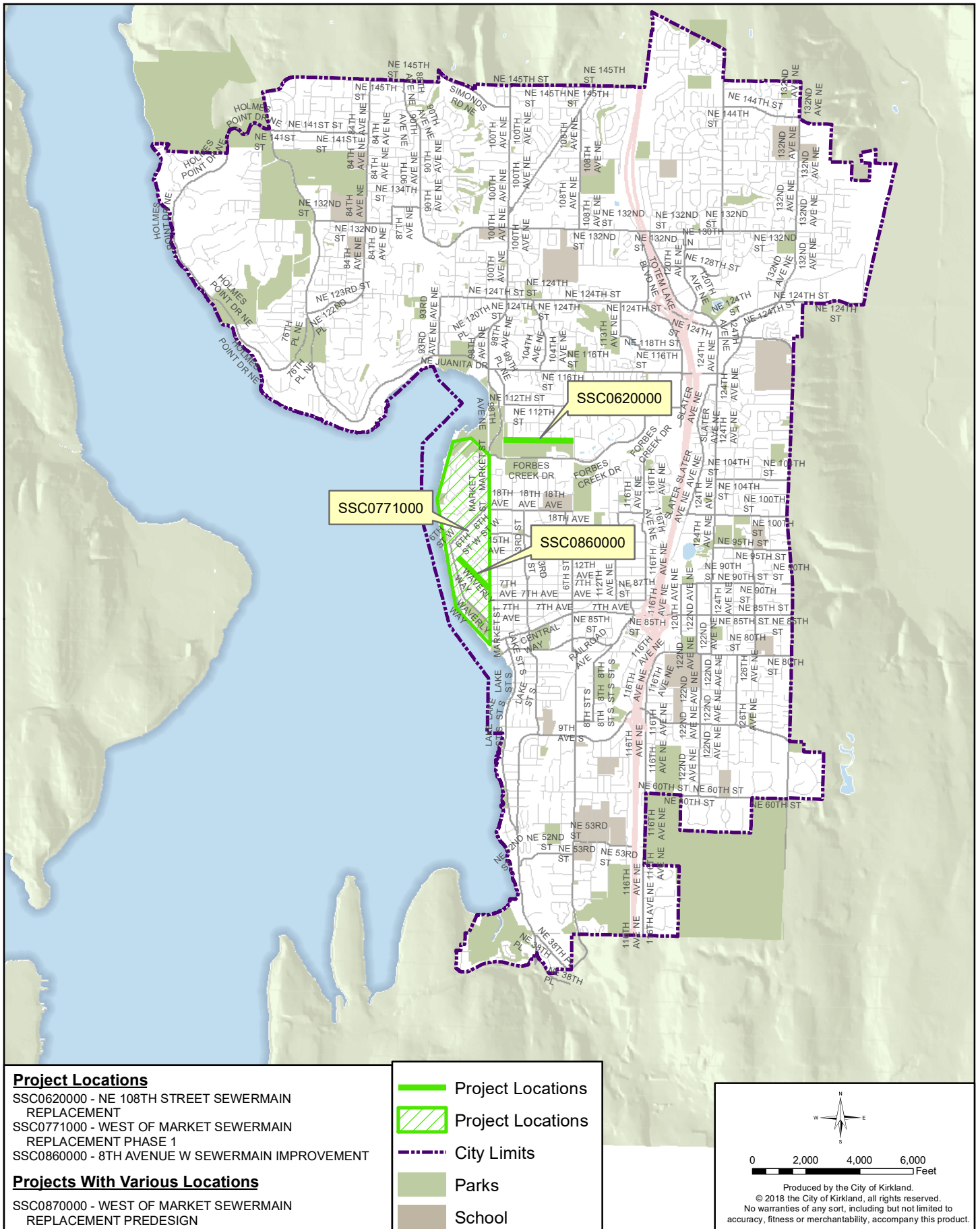
PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2022	\$0	\$500,000	\$0	\$500,000



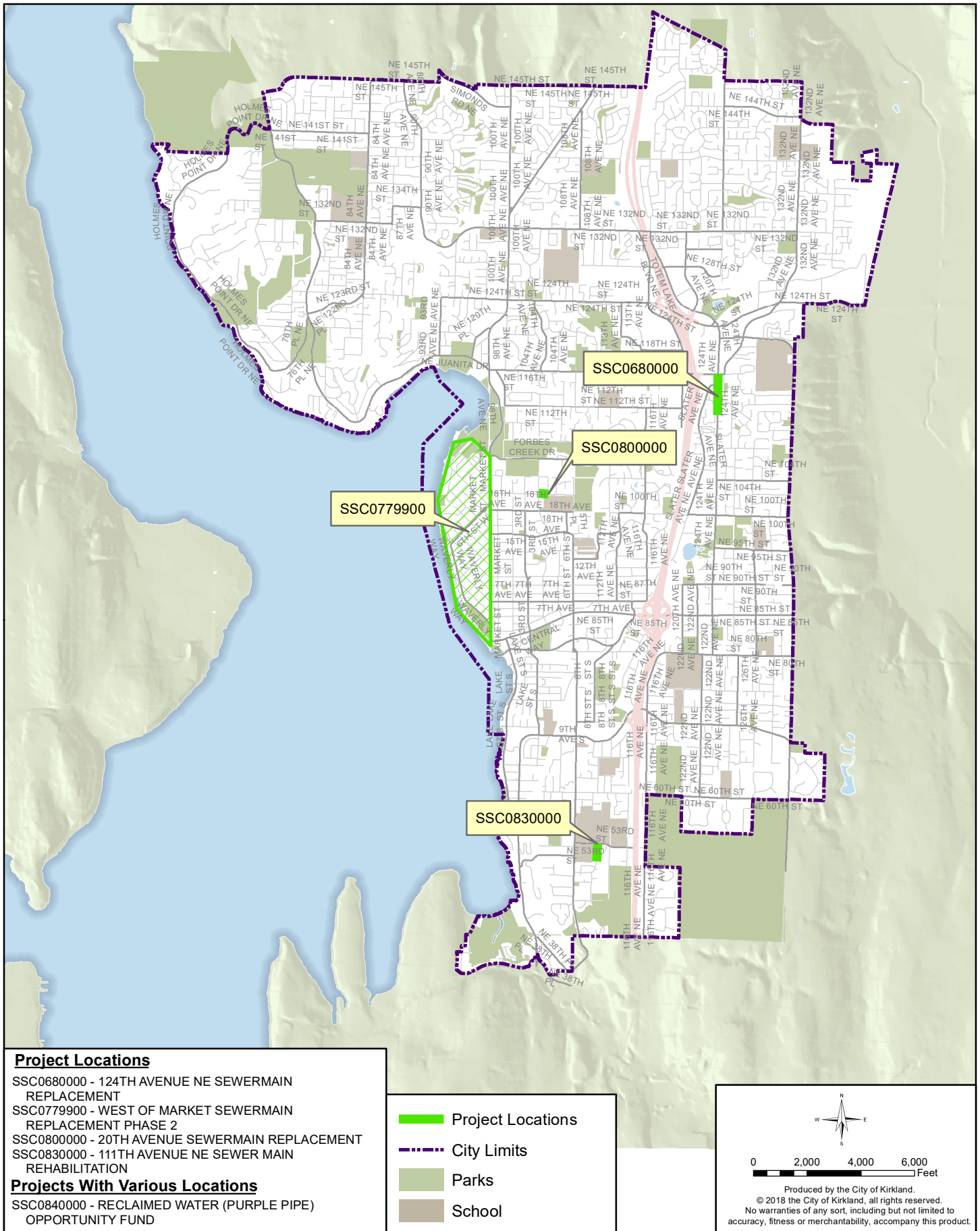
2021-2026 Funded Water CIP



2021-2026 Unfunded Water CIP



2021-2026 Funded Sanitary Sewer CIP



2021-2026 Unfunded Sanitary Sewer CIP

Surface Water Management Utility



Capital Improvement Program



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Surface Water Management Utility



Requested - \$38,302,600



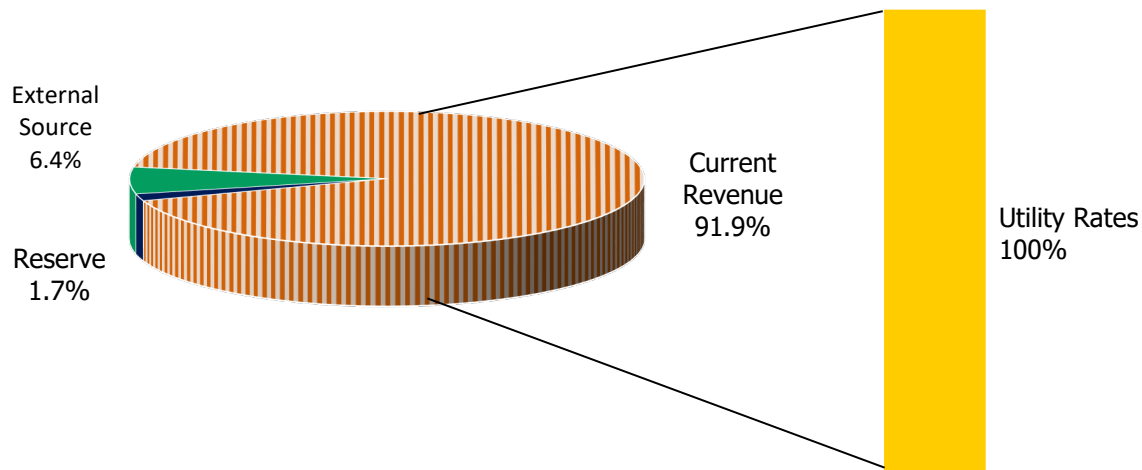
Surface Water
Management
100%

Funded - \$17,880,600



Surface Water
Management
100%

Funding Sources



Surface Water Management Utility Funding - \$17,880,600

Average Annual Current Revenues

Utility Rates - \$2,822,323

Total Average Annual Revenue - \$2,822,323

City of Kirkland
2021-2026 Capital Improvement Program

SURFACE WATER MANAGEMENT UTILITY PROJECTS

Funded Projects:

Project Number	Project Title	Prior Year(s)	2021	2022	2023	2024	2025	2026	2021-2026 Total	Funding Source				
										Current Revenue	Reserve	Debt	Secured External	Unsecured External
SDC 04700	Annual Replacement of Aging/Failing Infrastructure		500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	3,000,000				
SDC 04900	Forbes Creek/108th Avenue NE Fish Passage Improvements						395,100	1,128,000	1,523,100	1,523,100				
SDC 05300	Forbes Creek/Coors Pond Channel Grade Controls	260,200					200,000	1,040,000	1,240,000	1,240,000				
SDC 06300	Everest Creek - Slater Avenue at Alexander Street				430,000	620,000			1,050,000	1,050,000				
SDC 08100	Neighborhood Drainage Assistance Program (NDA)	177,800	50,000		50,000		50,000		150,000	150,000				
SDC 09000	Goat Hill Drainage Ditch Conveyance & Channel Stabilization		359,000	1,123,100					1,482,100	1,482,100				
SDC 09200	Juanita Creek Culvert at NE 137th Street	685,100	169,500		1,080,000	350,000			1,599,500	1,599,500				
SDC 10000	Brookhaven Pond Modifications						200,000	500,000	700,000	700,000				
SDC 10500	Property Acquisition Opportunity Fund	464,631	50,000	50,000	50,000	50,000	50,000	50,000	300,000		300,000			
SDC 10800	Maintenance Center Storm Water Pollution Prevention	1,040,000	350,000						350,000	350,000				
SDC 10900	Holmes Point Drive Pipe Replacement - Phase 2 Outfall		151,000	169,000					169,000	169,000				
SDC 12500	NE 120th Street Water Quality Treatment		738,000	65,000					65,000	65,000				
SDC 12700	Storm Rehabilitation at Rose Point Lift Station							487,900	487,900	487,900				
SDC 12800	NE 85th Street/122nd Avenue NE Stormwater Improvements				165,000	210,000			375,000	375,000				
SDC 12900	NE Juanita Drive Storm Failure Near 86th Avenue NE				225,000				225,000	225,000				
SDC 13200	Water Quality Treatment and Infiltration at NE 111th Pl/127th Pl NE		300,000	1,113,500					1,413,500	353,400			1,060,100	
SDC 13300	Bioretention, Water Quality Treatment, and Storage at 126th Ave NE		200,000						200,000	113,500			86,500	
SDC 13900	122nd Avenue NE Storm Replacement					488,500	504,000		992,500	992,500				
SDC 14000	Holiday Drive Conveyance Improvement Study				350,000				350,000	350,000				
SDC 14100	Storm Line Rehabilitation on NE 136th Street					569,500	480,500		1,050,000	1,050,000				
SDC 14200	93rd Avenue NE Hillside Improvements						308,400	849,600	1,158,000	1,158,000				
Total Funded Surface Water Management Utility Projects		3,516,731	2,212,500	2,786,600	2,850,000	2,788,000	2,688,000	4,555,500	17,880,600	16,434,000	300,000	0	1,146,600	0

Notes
Italics = Modification in timing and/or cost (see Project Modification/Deletion Schedule for more detail)
Bold = New projects

SURFACE WATER MANAGEMENT UTILITY PROJECTS

Unfunded Projects:

Project Number	Project Title	Total
SDC 04500	Carillon Woods Erosion Control Measures	600,000
SDC 05100	Forbes Creek/King County Metro Access Road Culvert Enhancement	1,400,000
SDC 06100	Everest Park Stream Channel/Riparian Enhancements	1,200,000
SDC 08501	Cross Kirkland Corridor Water Quality Retrofit	1,000,000
SDC 09400	NE 114th Place Stormline Replacement	405,000
SDC 09700	Champagne Creek Stabilization	890,000
SDC 10100	Holmes Point Pipe Replacement at Champagne Creek Basin	260,000
SDC 10200	Juanita Drive Culvert Replacement	750,000
SDC 10300	Lakeview Drive Conveyance Modification	2,800,000
SDC 11200	112th Avenue NE Pipe Repair	60,000
SDC 11300	113th Avenue NE Pipe Repair	120,000
SDC 11400	124th Avenue NE Pipe Repair	160,000
SDC 11500	Weaver's Pond Pipe Replacement	180,000
SDC 11600	NE 140th Street Pipe Replacement	100,000
SDC 11700	111th Avenue NE Pipe Repair	400,000
SDC 11800	Champagne Point Drive NE Pipe Repair	270,000
SDC 11900	NE 58th Street Pipe Repair	280,000
SDC 12000	Kingsgate Park Pipe Outfall Improvements	80,000
SDC 13000	Bioretention, Water Quality Treatment & Storage at 126th Ave NE	4,260,000
SDC 13100	NE 107th PI Retention Pond Retrofit	1,187,000
SDC 13800	Outlet Path at 101st PI NE	150,000
SDC 14300	Retrofit Planning within City Limits	900,000
SDC 14400	116th Ave Storm Facility	1,000,000
SDC 14500	NE 61st St Storm Facility Relocation	150,000
SDC 14600	126th Ave NE Storm Pipe Replacement	330,000
SDC 14700	131st Ave NE Storm Improvements	800,000
SDC 14800	105th PI NE Pipe Replacement	240,000
SDC 14900	NE 119th Ct Storm System Improv. (near Juanita Village Plaza & East Ridge Condos)	450,000
Total Unfunded Surface Water Management Utility Projects		20,422,000
<i>Funding Available from Annual Programs for Candidate Projects</i>		<i>3,000,000</i>
Net Unfunded Surface Water Management Utility Projects		17,422,000

Notes

Italics = Modification in timing and/or cost (see Project Modification/Deletion Schedule for more detail)

Bold = New projects

" = Moved from funded status to unfunded status

**CITY OF KIRKLAND
2021-2026 CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY**

SURFACE WATER MANAGEMENT UTILITY - Surface Water Management Utility

SDC0470000 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)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$3,000,000	\$0	\$3,000,000

SDC0490000 FORBES CREEK / 108TH AVENUE NE FISH PASSAGE IMPROVEMENTS

South Juanita

108th Avenue NE is elevated above Forbes Creek and the adjacent wetlands. Curbs on both sides of the road appear to prevent street runoff from draining to the stream resulting in standing water on the road during storm events. The existing dual 36-inch corrugated metal pipe culverts also have created a barrier to fish passage. The culverts are located in a depositional area of Forbes Creek resulting in one of the two culverts filling with sediment, restricting fish passage.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2025	\$0	\$1,523,100	\$0	\$1,523,100

SDC0530000 FORBES CREEK / COORS POND CHANNEL GRADE CONTROLS

South Juanita

Existing structures in the stream have created barriers to fish passage while channel downcutting continues. Project will 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)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2018	\$260,200	\$1,240,000	\$0	\$1,500,200

SDC0630000 EVEREST CREEK - SLATER AVENUE AT ALEXANDER STREET

Everest

Flow enters this small ravine from an approximately 135 acre upstream basin via a pipe. Erosion around the pipe outlet has de-stabilized a road near the ravine, and sends large quantities of sand to downstream reaches of the creek, which results in increased maintenance needs in Everest Park. Installation of a highflow bypass and/or other stabilization features will prevent further damage to the road, and will reduce delivery of sediment to downstream areas thus reducing maintenance needs.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$1,050,000	\$0	\$1,050,000

SDC0810000 NEIGHBORHOOD DRAINAGE ASSISTANCE PROGRAM (NDA)

City-wide

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

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$0	\$150,000	\$0	\$150,000

SDC0900000

Finn Hill

GOAT HILL DRAINAGE DITCH CONVEYANCE & CHANNEL STABILIZATION

Reconstruct ditch line along the west side of 90th Avenue NE and abandon a culvert crossing along 90th Avenue NE. Abandon a storm drainage channel and replace a catch basin and culvert crossing along NE 117th Place. Stabilize a drainage swale with rip-rap below the culvert crossing along NE 117th Place. Install catch basins and 12-inch storm drainage pipe along 90th Avenue NE and edge grind and overlay 500 feet of roadway with a thickened edge. Upsize a 12-inch culvert crossing to a 24-inch culvert along NE 117th Place.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$1,482,100	\$0	\$1,482,100

SDC0920000

North Juanita

JUANITA CREEK CULVERT AT NE 137TH STREET

Install 16 foot by 5.25 foot arch fish passable culvert. Culvert width based on Washington State Department of Fish & Wildlife (WDFW) stream simulation design of 1.25 foot by 11 foot bank full width rounded to the nearest foot. Create 50 feet of restored channel at the culvert inlet and outlet and restore staging areas and channel floodplain with planting and bio-engineered surface restoration.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2017	\$685,100	\$1,599,500	\$0	\$2,284,600

SDC1000000

North Juanita

BROOKHAVEN POND MODIFICATIONS

Converts pond to floodplain; Grade existing pond to provide storage. Establish plantings for habitat and to disperse flow as it enters the floodplain. Install bio-engineered floodplain structures (anchored as needed). Install Filterra systems along 100th Ave NE for water quality and to separate runoff from 100th Ave NE and NE 127th Place. NE 127th PI Drainage will discharge directly to Juanita Creek with no new Filterra units.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2025	\$0	\$700,000	\$0	\$700,000

SDC1050000

City-wide

PROPERTY ACQUISITION OPPORTUNITY FUND

An opportunity fund to acquire riparian and wetland properties in the City for improving surface water quality and run-off.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
Ongoing	\$389,200	\$300,000	\$0	\$689,200

SDC1080000

Highlands

MAINTENANCE CENTER STORM WATER POLLUTION PREVENTION

Maintenance Center surface water upgrades to remain in compliance with the City's National Pollutant Discharge Elimination System (NPDES) permit including: covered storage area for decant materials, covered storage for street patching materials, and covered storage for other materials to prevent entry into the surface water drainage system.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2018	\$1,040,000	\$350,000	\$0	\$1,390,000

SDC1090000

Finn Hill

HOLMES POINT DRIVE PIPE REPLACEMENT - PHASE 2 OUTFALL

Replace 160-feet of deteriorating 12-inch concrete outfall pipe on Holmes Point Drive. The outfall is on private property with no existing easement.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2018	\$151,000	\$169,000	\$0	\$320,000

SDC1250000

North Rose Hill

NE 120TH STREET WATER QUALITY TREATMENT

Project will construct water quality treatment facilities to serve approximately 3 acres of existing pavement on NE 120th Street to the east of Slater Ave NE. This project will implement the second of the two projects identified in the Totem Lake/Juanita Creek Basin Stormwater Retrofit Conceptual Design (Ecology Grant G1400024) which conducted planning and design work for capital and non-capital stormwater retrofit projects.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2019	\$738,000	\$65,000	\$0	\$803,000

SDC1270000

Market

STORM REHABILITATION AT ROSE POINT LIFT STATION

CIP rehabilitation of storm line in project vicinity; could not be performed by Rose Point Lift Station project

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2026	\$0	\$487,900	\$0	\$487,900

SDC1280000

North Rose Hill

NE 85TH ST/122ND AVE NE STORMWATER IMPROVEMENTS

Address stormwater deficiencies in this intersection during the street project supporting BRT. Associated with NE 85th St Channelization.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$375,000	\$0	\$375,000

SDC1290000

Finn Hill

NE JUANITA DRIVE STORM FAILURE NEAR 86TH AVE NE

Rehabilitate approximately 240 feet of storm line and/or surface channel to eliminate pavement failures and replace temporary fixes.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$225,000	\$0	\$225,000

SDC1320000

North Rose Hill

WATER QUALITY TREATMENT AND INFILTRATION AT NE 111TH PL/127TH PL NE

This project will improve water quality in Forbes Creek through installation of water quality treatment facilities and infiltration wells at NE 111th Place east of 127th Avenue NE. TSS will be removed. Flow control will be provided for Forbes Creek by increasing stormwater infiltration. This project will be constructed in the North Rose Hill sub-basin of Forbes Creek. This project will treat and infiltrate stormwater by use of a proprietary treatment device and a series of UIC wells within the right of way for up to 10.1 acres of the North Rose Hill Sub-basin.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$1,413,500	\$0	\$1,413,500

SDC1330000

North Rose Hill

BIORETENTION, WATER QUALITY TREATMENT, AND STORAGE AT 126TH AVE NE

This project includes two different proprietary treatment facilities to treat the additional 23.9 acres not treated by proposed project at NE 111th Pl/127th Pl NE. It also includes a storage facility sized to the maximum allowable size within the right of way and depth of the existing stormwater system (approximately 40,194 CF of live storage). Lastly, it includes bioretention cells to treat the runoff from roadways (126th Ave NE and NE 111th Pl) prior to discharging to the storage facility.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2021	\$0	\$200,000	\$0	\$200,000

SDC1390000

North Rose Hill

122ND AVENUE NE STORM REPLACEMENT

Replace rotten CMP pipe with new drainage system. Eliminate system out in the road and keep the system in the flow line. Much of the system cannot be cleaned since there is no bottom in this system. This was found during the watermain project about 3-5 years ago. Project was too large for the Aging and Failing Infrastructure CIP project.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2024	\$0	\$992,500	\$0	\$992,500

SDC1400000

Finn Hill

HOLIDAY DRIVE CONVEYANCE IMPROVEMENT STUDY

Create a conveyance system to take the water off Holiday Drive, down the steep slope and into Big Finn Hill Park.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2023	\$0	\$350,000	\$0	\$350,000

SDC1410000

Finn Hill

STORM LINE REHABILITATION ON NE 136TH STREET

To eliminate root issues and failing pipe on a steep road and side slope, rehabilitate pipe.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2024	\$0	\$1,050,000	\$0	\$1,050,000

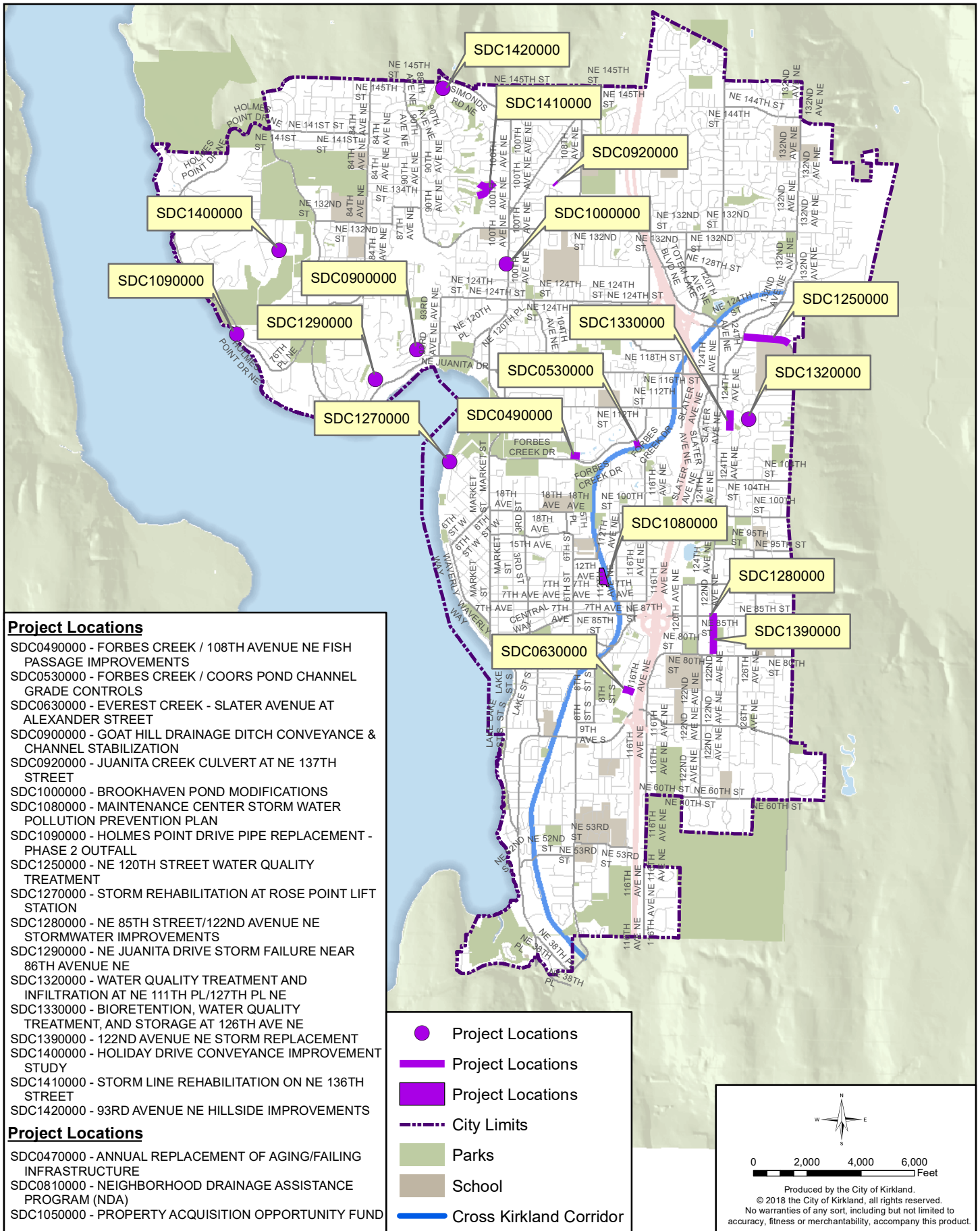
SDC1420000

Finn Hill

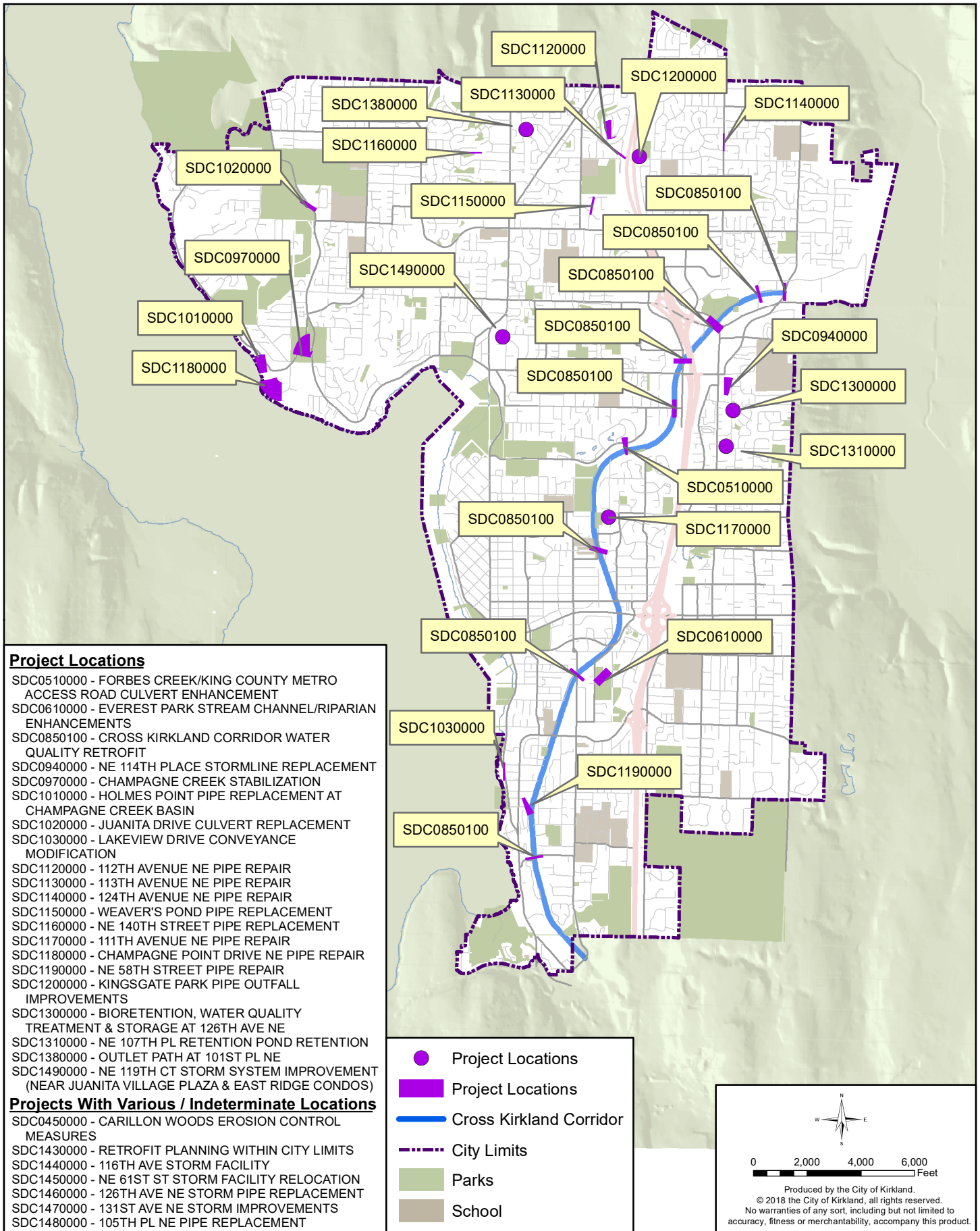
93RD AVENUE NE HILLSIDE IMPROVEMENTS

This location is experiencing severe erosion down a steep hillside. This property is owned by Kirkland and managed as open space (public works managed). The detention pond near the top of the slope appears to not function as designed (or is not regularly holding water). The outlet of the pipe (GIS ID 30975) is located mid-slope and water flow out has undercut into the hillside as it flows down to Juanita Creek. Depth of cut is estimated between 3 and >10 feet deep. It may be that retrofit of the pond reduces erosion of the outfall, however this will not remedy the existing erosion. This project will need to include design options to remedy the issue.

PROJECT START	Prior Year(s)	2021-2026 Total	Future Year(s)	TOTAL PROJECT
2025	\$0	\$1,158,000	\$0	\$1,158,000



2021-2026 Funded Surface Water CIP



2021-2026 Unfunded Surface Water CIP



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Equipment Rental



Capital Improvement Program



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EQUIPMENT RENTAL CAPITAL REPLACEMENT

Included in this section are three summary charts—one listing the vehicles costing \$50,000 or more to be replaced over the six-year period of 2021-2026, and the second and third charts listing all vehicle replacements, regardless of cost, for 2021 and 2022, respectively.

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 five budget years is examined to determine if extending its service life is financially sound. 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 be replaced in kind or “right-sized” if possible (at a lesser cost). Upgraded vehicles for specific functions will require an approved service package in an amount covering 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 that are measured by engine hours have their replacement reserve based on these hours. If a vehicle has reached its normal accounting life but not the original estimated engine hours, the useful life of that vehicle may be extended.

There are 12 vehicles costing in excess of \$50,000 currently scheduled for replacement in 2021.

- The Fire Department is replacing the following three vehicles:
 - A 2006 Dodge Durango 4WD (F214X), extended four years beyond the end of its normal accounting life.
 - Two 2003 Spartan H&W Pumpers (F611, F612), on schedule.
- The Parks and Community Services Department is replacing the following three vehicles:
 - A 2003 John Deere 5420 Ballfield Tractor (TR-10) extended eight years beyond the end of its normal accounting life.
 - A 2008 Ford F450 2WD Crew Cab (F-20X) extended three years beyond the end of its normal accounting life.¹
 - A 2005 Case Backhoe 580SL 4x4 (TR-07A) extended eight years beyond the end of its normal accounting life.
- The Police Department will be replacing the following four vehicles:
 - A 2016 Ford Interceptor SUV (P158) and three 2017 Ford Interceptor SUVs (P160, P161, P162), all on schedule.
- The Public Works Department will be replacing the following two vehicles:
 - A 2008 Case Backhoe 580SM 4x4 (TR-11) extended 3 years beyond the end of its normal accounting life.
 - A 2009 Case Backhoe 580SM 4x2 (TR-12) extended 2 years beyond the end of its normal accounting life.
- In addition to these capital replacements, 25 vehicles will be replaced in 2021.

¹ F-20X and TR-07A are vehicles that were used to provide ongoing services but have not previously had replacement funds set aside. They were recently added to the fund because they are necessary to maintain the current level of service.

There are 15 vehicles costing in excess of \$50,000 currently scheduled for replacement in 2022.

- The Police Department is replacing the following eleven vehicles:
 - A 2015 Interceptor Sedan AWD (P146) and two 2016 Interceptor SUVs (P152, P153), each extended two years beyond the end of the normal accounting life.
 - Six 2017 Interceptor SUVs (P163, P164, P165, P166, P167, P168), on schedule.
 - A 1993 Chevrolet G20 Van 2WD (D93-05) extended seventeen years beyond the end of its normal accounting life.
 - A 1999 Ford F450 (P99-98X) extended one year beyond its normal accounting life.
- Public Works is replacing the following four vehicles:
 - A 2012 Ford F550 2WD Utility (PU-104), on schedule.
 - Two 2006 International SA625 5yd Dump (D-01, D-02) extended two years beyond the end of the normal accounting life.
 - A 2010 John Deer 6330 Road Mower (M-14), on schedule.
- In addition to these capital replacements, 17 vehicles will be replaced in 2022.

In addition to these normally scheduled replacements, the preliminary 2021-2022 Budget includes previous funding to replace specific vehicles deployed for Development inspections with electric powered equivalents. The total investment in this biennium will replace eight inspection vehicles (and add one new vehicle) and will also include the installation of charging infrastructure at City Hall.

City of Kirkland
2021-2026 Fleet Replacement Plan
Vehicle Replacements Over \$50,000

Fire

Vehicle	Year / Description	Acct Life	Normal Replacement Date					2025	2026	Six Year Total Cost	Comments
				2021	2022	2023	2024				
F214X	2006 / Dodge Dodge Durango 4WD	8	3/8/2016	51,507						51,507	Extended 5 years
F612	2003 / Spartan H&W Pumper	18	6/24/2021	588,905						588,905	On schedule
F611	2003 / Spartan H&W Pumper	18	5/15/2021	590,449						590,449	On schedule
F213	2006 / Chevrolet Suburban 2500 4WD	8	3/20/2016			\$ 62,943				62,943	Extended 7 years
F216	2008 / Chevrolet Suburban 1500 4WD	8	4/20/2018			\$ 58,340				58,340	Extended 5 years
F218	2009 / Ford F250 4WD Ex Cab	8	5/12/2019			\$ 51,289				51,289	Extended 4 years
F319	2012 / Ford F450 Road Rescue Aid Vehicle	8	9/6/2022			\$ 261,934				261,934	On schedule
F320	2013 / Ford F450 Road Rescue Aid Vehicle	8	6/25/2024			\$ 275,766				275,766	On schedule
F321	2013 / Ford F450 Road Rescue Aid Vehicle	8	6/25/2024			\$ 276,017				276,017	On schedule
F318	2010 / Ford F450 Road Rescue Aid Vehicle	8	8/4/2020				\$ 269,023			269,023	Extended 3 years
F613	2006 / Spartan H&W Pumper	18	3/22/2024				\$ 686,704			686,704	On schedule
F220	2011 / Ford F250 4WD Crew	8	6/28/2021					\$ 52,245		52,245	Extended 4 years
F221	2015 / Chevrolet Silverado 3500 Crew Cab 4WD	8	9/23/2024					\$ 68,295		68,295	On schedule
F403	2006 / Spartan Spartan Air Unit	18	5/11/2025					\$ 627,124		627,124	On schedule
F322	2016 / Ford F450 Road Rescue Aid Vehicle	8	1/8/2026						\$ 306,243	306,243	On schedule
F323	2016 / Ford F450 Road Rescue Aid Vehicle	8	1/28/2026						\$ 306,280	306,280	On schedule
Total Fire Vehicles				1,230,861	-	986,290	955,727	747,663	612,522	4,533,063	

Parks & Community Services

Vehicle	Year / Description	Acct Life	Normal Replacement Date					2025	2026	Six Year Total Cost	Comments
				2021	2022	2023	2024				
TR-10	2003 / John Deere 5420 Ballfield Tractor	10	4/28/2015	53,593						53,593	Extended 6 Years
F-20X	2008 / Ford F450 2WD Crew Cab Dump Body	8	11/26/2017	74,160						74,160	On schedule
TR-07A	2005 / Case Backhoe 580SL (4X4)	10	3/26/2015	135,053						135,053	On schedule
F-23	2012 / Ford F550 2WD 2yd Dump Body	8	4/30/2022			\$ 54,977				54,977	Extended 1 year
M-21	2014 / Toro Groundsmaster 4010	6	1/31/2022			\$ 99,488				99,488	Extended 1 year
M-22	2014 / Toro 4500-D Groundsmaster	6	1/31/2022			\$ 83,935				83,935	Extended 1 year
M-23	2014 / Toro Groundsmaster 360	6	1/31/2022			\$ 74,258				74,258	Extended 1 year
F-27	2015 / Ford F550 2WD Hooklift	8	10/16/2024				\$ 56,875			56,875	On schedule
M-26	2017 / Toro Groundsmaster 5910-D 4WD	6	4/14/2025					\$ 150,641		150,641	On schedule
PU-139	2017 / Ford F450 4WD Utility	8	11/8/2026						\$ 60,293	60,293	On schedule
TL-43	2013 / Bandit 1590XP Brush Chipper	10	1/28/2026						\$ 88,679	88,679	On schedule
Total Parks & Community Services Vehicles				262,806	-	312,658	56,875	150,641	148,972	931,952	

City of Kirkland
2021-2026 Fleet Replacement Plan
Vehicle Replacements Over \$50,000

Police

Vehicle	Year / Description	Acct Life	Normal Replacement Date							Six Year Total Cost	Comments
				2021	2022	2023	2024	2025	2026		
P158	2016 / Ford Interceptor SUV	5	6/24/2021	50,119						50,119	On schedule
P160	2017 / Ford Interceptor SUV	5	7/28/2021	50,614						50,614	On schedule
P161	2017 / Ford Interceptor SUV	5	7/28/2021	50,933						50,933	On schedule
P162	2017 / Ford Interceptor SUV	5	8/1/2021	51,335						51,335	On schedule
P152	2016 / Ford Interceptor SUV	5	11/5/2020		53,108					53,108	Extended 2 years
P146	2015 / Ford Interceptor Sedan AWD	5	3/11/2020		53,703					53,703	Extended 2 years
P153	2016 / Ford Interceptor SUV	5	10/29/2020		55,095					55,095	Extended 2 years
P167	2017 / Ford Interceptor SUV	5	2/14/2022		62,490					62,490	On schedule
P164	2017 / Ford Interceptor SUV	5	2/7/2022		62,501					62,501	On schedule
P165	2017 / Ford Interceptor SUV	5	2/9/2022		62,546					62,546	On schedule
P166	2017 / Ford Interceptor SUV	5	2/9/2022		62,588					62,588	On schedule
P168	2017 / Ford Interceptor SUV	5	2/24/2022		62,675					62,675	On schedule
P163	2017 / Ford Interceptor SUV	5	2/7/2022		63,382					63,382	On schedule
D93-05	1993 / Chevrolet G20 Van 2WD	12	7/21/2005		75,358					75,358	Extended 17 years
P99-98X	1999 / Ford F450	8	10/21/2021		237,736					237,736	Extended 6 years
P110	2011 / Ford F350 2WD Custom Box (PSO)	8	3/9/2021			\$ 56,104				56,104	Extended 2 years
P118	2013 / Ford Interceptor SUV	8	6/22/2022			\$ 61,068				61,068	Extended 1 year
P173	2018 / Ford Interceptor SUV	5	3/28/2023			\$ 52,518				52,518	On schedule
P175	2018 / Ford Interceptor Sedan AWD	5	4/20/2023			\$ 50,619				50,619	On schedule
P176	2018 / Ford Interceptor Sedan AWD	5	4/20/2023			\$ 50,551				50,551	On schedule
P181	2019 / Ford Interceptor SUV	5	11/29/2024				\$ 65,092			65,092	On schedule
P182	2019 / Ford Interceptor SUV	5	2/7/2024				\$ 58,710			58,710	On schedule
P196	2020 / Chevrolet Tahoe PPV 4WD	5	11/25/2024				\$ 56,540			56,540	On schedule
P197	2020 / Chevrolet Tahoe PPV 4WD	5	11/25/2024				\$ 56,540			56,540	On schedule
P06-99	2006 / GMC Top Kick C5500 Special Response Vehicle	10	3/24/2018					\$ 304,213		304,213	Extended 7 years
P145	2015 / Ford Interceptor Sedan AWD	5	3/11/2020					\$ 61,743		61,743	Extended 5 years
P148	2015 / Ford Interceptor SUV	8	10/27/2025					\$ 51,469		51,469	On schedule
P151	2016 / Ford Interceptor SUV	8	11/4/2025					\$ 58,092		58,092	On schedule
P139	2014 / Ford Interceptor Sedan AWD	5	7/7/2019						\$ 60,594	60,594	Extended 6 years
P140	2014 / Ford Interceptor Sedan AWD	5	10/1/2021						\$ 55,955	55,955	Extended 4 years
P156	2016 / Ford Interceptor SUV	8	6/21/2026						\$ 58,275	58,275	On schedule
P157	2016 / Ford Interceptor SUV	5	6/21/2021						\$ 57,380	57,380	Extended 5 years
P158	2016 / Ford Interceptor SUV	5	6/24/2021						\$ 58,102	58,102	Extended 5 years
P160	2017 / Ford Interceptor SUV	5	7/28/2021						\$ 58,675	58,675	Extended 4 years
P161	2017 / Ford Interceptor SUV	5	7/28/2021						\$ 59,046	59,046	Extended 4 years
P162	2017 / Ford Interceptor SUV	5	8/1/2021						\$ 59,511	59,511	Extended 4 years
Total Police Vehicles				203,002	851,181	270,861	236,883	475,518	467,540	2,504,984	

City of Kirkland
2021-2026 Fleet Replacement Plan
Vehicle Replacements Over \$50,000

Public Works

Vehicle	Year / Description	Acct Life	Normal Replacement Date							Six Year Total Cost	Comments
				2021	2022	2023	2024	2025	2026		
TR-12	2009 / Case Backhoe 580SM (4X2)	10	3/26/2021	131,744						131,744	On schedule
TR-11	2008 / Case Backhoe 580SM (4X4)	10	6/12/2020	144,168						144,168	Extended 1 year
PU-104	2012 / Ford F550 2WD Utility Body	8	4/23/2022		60,013					60,013	On schedule
D-02	2006 / International SA625 5yd dump	12	10/28/2020		118,397					118,397	Extended 2 years
D-01	2006 / International SA625 5yd dump	12	10/28/2020		118,557					118,557	Extended 2 years
M-14	2010 / John Deere 6330 Road Mower	10	9/29/2022		128,989					128,989	On schedule
D-03	2006 / International SA625 5yd dump	12	12/28/2019			\$ 121,134				121,134	Extended 3 years
D-09	2009 / Peterbuilt 367 10yd Dump	12	8/7/2022			\$ 206,053				206,053	On schedule
F-21	2011 / Ford F550 4WD 2yd Dump Body	8	4/11/2021			\$ 100,087				100,087	Extended 2 years
PU-117	2003 / Ford F450 2WD Crew Cab Utility Body	8	7/26/2023			\$ 76,876				76,876	On schedule
TH-01	2006 / Caterpillar 314CL Excavator	15	4/14/2023			\$ 188,008				188,008	On schedule
TH-02	2011 / Bobcat E50 mini Excavator w/Attachments	10	8/11/2023			\$ 105,857				105,857	On schedule
U-08	2006 / International 7400 Aerial Lift	10	7/14/2018			\$ 111,146				111,146	Extended 4 years
U-09	2013 / Ford F500 2WD Utility	8	6/20/2023			\$ 64,918				64,918	On schedule
F-26	2015 / Ford F550 2WD 2yd Dump	8	7/15/2024				\$ 58,250			58,250	On schedule
M-17	2012 / John Deere 6330 Roadside Mower	10	8/29/2024				\$ 176,508			176,508	On schedule
S-09	2018 / Peterbuilt A75 Tornado Sweeper	7	9/27/2024				\$ 313,889			313,889	On schedule
S-10	2018 / Peterbuilt A75 Tornado Sweeper	7	9/27/2024				\$ 313,921			313,921	On schedule
S-11	2018 / Peterbuilt A75 Tornado Sweeper	7	9/27/2024				\$ 313,921			313,921	On schedule
U-11	2015 / Ford F500 2WD Utility	8	11/20/2024				\$ 104,480			104,480	On schedule
F-22	2011 / Ford F550 4WD 2yd Dump Body	8	4/11/2021					\$ 106,183		106,183	Extended 4 years
F-28	2016 / Ford F550 4WD Utility Body	8	8/14/2025					\$ 66,940		66,940	On schedule
F-29	2016 / Ford F550 2WD Utility Body	8	8/12/2025					\$ 89,502		89,502	On schedule
PU-129	2015 / Ford F350 4WD Utility	8	5/11/2025					\$ 63,604		63,604	On schedule
R-05	2013 / Hamm HD 12VV Vibratory Roller	10	10/22/2025					\$ 59,122		59,122	On schedule
TR-13	2013 / Caterpillar Backhoe 420F (4X4)	10	9/19/2025					\$ 136,151		136,151	On schedule
U-10	2015 / Ford F500 2WD Utility	8	4/3/2025					\$ 92,377		92,377	On schedule
D-10	2013 / Peterbuilt 367 10yd Dump	12	11/2/2026						\$ 220,870	220,870	On schedule
TH-04	2014 / Komatsu PC55MR-3 Excavator	10	12/4/2025						\$ 149,783	149,783	On schedule
Total Public Works Vehicles				275,912	425,956	974,080	1,280,969	613,879	370,652	3,941,450	
Total All Vehicles				1,972,581	1,277,137	2,543,889	2,530,454	1,987,701	1,599,686	11,911,449	



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Appendix



Capital Improvement Program



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Transportation Criteria



Kirkland's Transportation Capital Improvement Program

Introduction

Kirkland's transportation policies, embodied in the Comprehensive Plan via the Transportation Master Plan (TMP), seek to improve current transportation conditions and, more importantly, to foresee and address future transportation needs for generations to come. Kirkland's policy makers, the City's Transportation Commission, and the technical staff all recognize that, as the region continues to grow and develop, traffic congestion cannot be addressed by simply adding more lanes for automobile traffic. Adding automobile traffic capacity is not only impractical from a cost standpoint; it is also contrary to many of the values held by our City, such as environmental sustainability and natural beauty, walkable communities, and vibrant neighborhoods. Thus, the TMP shifts past focus from automobile capacity to a more comprehensive, multi-modal approach to the City's transportation system.

The City's Capital Improvement Program (CIP) provides a means for transforming the TMP vision into a reality. In concert with the TMP, today's CIP places greater emphasis on transit, bicycling, and walking networks. Dealing with motorized vehicle congestion is also addressed by improving traffic flow with the City's Intelligent Transportation System (ITS) project, along with more efficient traffic channelization and signalization where feasible. Creating new and enhancing existing motorized and non-motorized networks, completing missing network links, and making non-auto transportation more convenient to commuters will all serve to reduce traffic congestion and enhance our community.

Together with active participation in regional transit planning efforts, a CIP that aligns with the vision and policies in the TMP, coupled with the land use plan in the Comprehensive Plan can, over time, transform the transportation experience in Kirkland. The challenge, of course, is adhering to long-term policy goals, while also addressing the very real priorities of today. The City has many programs and forums where staff, commissioners, policymakers, and community identify today's immediate transportation concerns and challenges, and suggest potential near-term solutions. Sources of input include, for example, the following processes and programs:

- The City's Neighborhood Safety Program,
- Safer Routes to School Action Plans Implementation,
- The Walkable Kirkland Initiative, which expands the Safer Routes to School Action Plans Implementation and Neighborhood Safety Program for 6 years,
- Neighborhood Plans,
- Cross Kirkland Corridor (CKC) Connections,
- Connections to new developments (with particular emphasis on major developments along the CKC, such as Totem Lake, Kirkland Urban, and Google),
- Kirkland's Suggest-A-Project Program,
- Grant Funding availability for specific project types,
- Planning efforts of Sound Transit and King County Metro.

To balance today's project "inputs" with long-range policies, the TMP contains a 20-year project list that reflects the goals and policies in the TMP, while also considering the multiple current sources of project suggestions. The 20-year list is divided into the major policy areas in the TMP:

maintenance, safety, walking, biking, public transportation, and motorized transportation. A new Transportation Master Plan is planned to begin in 2021 and will result in an updated 20-year cost need. The appropriate allocation of this \$250 million across project categories is the essence of creating the 20-year project list, made up of CIP projects and programs, and applicable maintenance program areas.

Staff's approach for preparing the 20-year project list was as follows:

1. By policy, recognize a 20-year street maintenance budget of approximately \$85 million of street levy and other committed funds.
2. Establish project categories within each mode (Walk, Bike, Transit, Auto) based on TMP policies.
3. For each project category, develop a pool of potential projects. This is a larger set of projects in a given category based on the multiple existing project sources.
4. For each project category, develop a recommended set of projects. For most project categories, this is based on a combination of a) projects that will meet the goals and policies in the draft plan, b) fiscal balance across project types c) projects that have been previously developed and d) staff's judgment of a sensible level of completeness for a project category. Priority is given to projects that meet multiple policy objectives, and/or that are identified from multiple sources.
5. Perform an analysis similar to 2 and 3 above for other maintenance needs over the next 20 years.

The 20-year list serves as a main source of future CIP projects and individual projects are prioritized within groups based on the criteria in the TMP Goals and Policies. A specific 6-year CIP Plan, and/or any specific biennial CIP budget, will further refine the 20-year list by again balancing current inputs with long-range policy. The current 6-year and 2-year CIP project lists were created as follows:

- Re-examining the assumptions in the 20-year plan with regard to specific projects identified for the next six years. As in the case with the 20-year plan, projects that meet multiple "input" objectives, or that complete critical transportation network links, are considered high priority.
- Allocating committed projects (such as School Walk Routes, or projects that have received grant funding) to the appropriate 20-year project category, as set forth in the TMP.
- Adding and/or prioritizing projects that received grant funding. Grant funding deadlines often push projects up in the CIP schedule.
- Applying a "reality check" to project timing and phasing. For example, although a project might be a high priority from a TMP policy perspective, it is possible that extensive permitting requirements push construction back a year or two in the CIP Plan.
- Review by the Finance Department of the project list and assumptions regarding revenue, and providing direction on budget and revenue assumptions.
- Balancing of the budget for the requested project list with projected funding sources. Again, similar to the permitting and grant funding considerations, revenue projections from various sources can influence the timing of projects.
- The Transportation Commission reviews and provides input to the proposed 6-year CIP and 2-year appropriation. (Although the Transportation Commission is typically briefed on

the CIP, this did not occur in 2020 due to Commission meetings being canceled due to the COVID-19 pandemic.)

- Input and adjustment by the City Manager to the proposed 6-year CIP and 2-year appropriation.
- Refinement by the City Council of the proposed 6-year CIP and 2-year appropriation prior to final adoption.

Many of the above steps are iterative, and some steps are revisited as the process moves forward. In summary, significant efforts are underway to align our CIP and applicable maintenance work with the goals and policies in the TMP. Communicating policies, project status, and accomplishments will help stakeholders and policymakers understand how the many pieces of the transportation puzzle fit together, and will assure stakeholders that their interests and ideas are considered in the City's Capital Improvement Program.



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Surface Water Project Criteria



Appendix M

Prioritization and Ranking Criteria and Prioritization Spreadsheet

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.**
- Constructed Facility
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
- Natural Environment
No natural system involved 0
Minor degradation (bank erosion, downcutting, sediment deposition, etc.) 3
5
Moderate threat of bank undercutting
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)

M-5

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?
$$\frac{\text{Ranking from all except this}}{\text{Cost of Project}} \times 100 = \text{Cost Benefit Index}$$

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)

ID	Project	Preliminary Cost	Criteria											Total Score	Primary Goal Served	Comments	
			Facilities				Environment			Fiscal		Public Support and Plan Consistency					
			Flood frequency	Flood impact	Condition Assessment	Accessibility	Water quality	Fish Habitat	Other Benefits	Coordination/Opportunity funding	Cost/Benefit Index	Maintenance Needs	Public Support/Opposition				Plan Consistency
CA-1	Erosion control measures	\$550	1	3	5	3	6	3	5	3	1	10	1	5	46	Water Quality	City vault in Lk WA Blvd and private vault/pond at Carillon point fill up with sediment from this area
CDE-01	Culvert replacement to improve fish passage	\$615	0	0	5	1	6	5	10	10	1	10	5	10	63	Habitat	Build in coordination with Juanita Drive improvements

ID	Project	Preliminary Cost	Criteria											Total Score	Primary Goal Served	Comments	
			Facilities				Environment			Fiscal		Public Support and Plan Consistency					
			Flood frequency	Flood impact	Condition Assessment	Accessibility	Water quality	Fish Habitat	Other Benefits	Coordination/Opportunity funding	Cost/Benefit Index	Maintenance Needs	Public Support/Opposition				Plan Consistency
CH-01	Undersized pipe to be replaced	\$219	3	6	10	3	0	0	0	0	3	10	3	5	43	Infrastructure	private property floods, system inaccessible for maintenance
CH-02	Channel reconstruction	\$690	0	0	10	3	6	10	5	3	1	5	5	5	53	Habitat	In Juanita Woodlands Park - strong community support
CH-03	Rain garden and bioretention retrofit	\$85	0	0	10	3	10	5	5	3	5	0	5	5	51	Water Quality	Strong FHNA support for LID/rain gardens

ID	Project	Preliminary Cost	Criteria												Total Score	Primary Goal Served	Comments
			Facilities				Environment			Fiscal		Public Support and Plan Consistency					
			Flood frequency	Flood impact	Condition Assessment	Accessibility	Water quality	Fish Habitat	Other Benefits	Coordination/Opportunity Funding	Cost/Benefit Index	Maintenance Needs	Public Support/Opposition	Plan Consistency			
CH-04	Groundwater seepage and road stability	\$126	5	3	5	0	0	0	0	10	5	10	3	5	46	Infrastructure	Construct as part of Juanita Drive improvements - ice causes safety issue in winter
CJC-9	Culvert replacement to improve fish passage	\$613	0	0	3	3	0	10	5	0	1	5	5	5	37	Habitat	
CW-INF-01	Pipe repair and replacement	\$769	1	0	10	0	0	0	0	10	1	10	3	5	40	Infrastructure	Consider combining with green infrastructure retrofits to increase priority?

ID	Project	Preliminary Cost	Criteria											Total Score	Primary Goal Served	Comments	
			Facilities				Environment			Fiscal		Public Support and Plan Consistency					
			Flood frequency	Flood impact	Condition Assessment	Accessibility	Water quality	Fish Habitat	Other Benefits	Coordination/Opportunity funding	Cost/Benefit Index	Maintenance Needs	Public Support/Opposition				Plan Consistency
CW-INF-02	Pipe repair and replacement	\$3,025	1	3	10	0	0	0	0	10	1	10	3	5	43	Infrastructure	
DE-01	Sediment removal in channel	\$136	5	6	10	1	3	0	5	0	5	10	3	5	53	Flooding	
EC-01	Everest Creek Ravine Stabilization	\$830															
EC-02	Everest Park Channel and riparian restoration	\$1,096	0	0	5	1	6	3	5	3	1	10	3	5	42	Habitat	Do following or at same time as EC-01 Ravine stabilization

ID	Project	Preliminary Cost	Criteria												Total Score	Primary Goal Served	Comments
			Facilities				Environment			Fiscal			Public Support and Plan Consistency				
			Flood frequency	Flood impact	Condition Assessment	Accessibility	Water quality	Fish Habitat	Other Benefits	Coordination/Opportunity funding	Cost/Benefit Index	Maintenance Needs	Public Support/Opposition	Plan Consistency			
FO-08	Forbes Creek/BNSF Fish Passage Improvements	\$424	0	0	10	0	3	10	10	3	5	3	5		Habitat	Coordinate with CKC trail construction	
FO-01	Fish passage	\$333	3	3	3	0	3	5	5	6	1	5	3	5	Habitat		
FO-02	Regional detention in Forbes Creek basin	\$10,000	1	6	5	0	6	3	5	10	1	5	3	10	Flooding		
FO-05	Culvert Replacement	\$1,058	0	0	10	3	3	10	0	3	1	5	3	5	Habitat	KC Wastewater should pay for some or all of this project	

ID	Project	Preliminary Cost	Criteria										Total Score	Primary Goal Served	Comments		
			Facilities				Environment			Fiscal		Public Support and Plan Consistency					
			Flood frequency	Flood impact	Condition Assessment	Accessibility	Water quality	Fish Habitat	Other Benefits	Coordination/Opportunity Funding	Cost/Benefit Index	Maintenance Needs				Public Support/Opposition	Plan Consistency
FO-07	Channel grade control	\$165	0	0	5	1	6	10	5	6	3	5	3	5	49	Water Quality	Construct AFTER flows are better controlled by FO-02
FO-13	Pilot LID project associated with planned transportation project	\$65	0	0	10	1	6	0	5	0	5	5	5	5	42	Water Quality	
HAS-01	Pipe replacement, improved hydraulics	\$2,369	3	3	5	0	0	0	0	0	1	10	3	5	30	Infrastructure	
JC-01	Sediment removal	\$194	3	6	5	3	6	0	0	0	3	10	1	5	42	Water Quality	

ID	Project	Preliminary Cost	Criteria											Total Score	Primary Goal Served	Comments	
			Facilities				Environment			Fiscal		Public Support and Plan Consistency					
			Flood frequency	Flood impact	Condition Assessment	Accessibility	Water quality	Fish Habitat	Other Benefits	Coordination/Opportunity Funding	Cost/Benefit Index	Maintenance Needs	Public Support/Opposition				Plan Consistency
JC-02	Infrastructure/conveyance	\$874	0	0	10	0	0	0	0	1	10	3	5	29	Infrastructure		
JC-03	Juanita Creek floodplain creation	\$533	0	0	3	0	6	3	5	0	1	5	3	5	31	Habitat	
JC-04	Flow diversion	\$266	3	3	3	1	0	0	0	6	1	5	3	5	30	Flooding	
JC-05	Replace culvert and headwall	\$765	0	0	10	0	6	5	0	0	1	10	3	5	40	Infrastructure	
JC-06	Goat Hill Project 1 - SE flooding problem	\$521	3	3	5	1	6	0	0	0	1	10	3	5	37	Flooding	

ID	Project	Preliminary Cost	Criteria												Total Score	Primary Goal Served	Comments
			Facilities				Environment			Fiscal			Public Support and Plan Consistency				
			Flood frequency	Flood impact	Condition Assessment	Accessibility	Water quality	Fish Habitat	Other Benefits	Coordination/Opportunity funding	Cost/Benefit Index	Maintenance Needs	Public Support/Opposition	Plan Consistency			
JC-07	Goat Hill Project 2 - stabilize eroding channel	\$299	1	3	10	3	6	0	0	0	3	10	3	5	44	Flooding	
JC-08	Goat Hill Project 3 - increase conveyance capacity	\$490	1	3	10	0	3	0	0	0	5	10	3	5	40	Flooding	
MB-01	Replace stormwater pipes	\$680	0	0	10	0	0	0	0	6	1	10	3	5	35	Infrastructure	
RED-01	Underground Injection Control Well (infiltration facility)	\$65	5	6	5	1	0	0	0	0	5	10	3	5	40	Flooding	

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 <u>least</u> 1/2 project funding available from other sources; 	<ul style="list-style-type: none"> Leveraging of <u>more</u> 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.