



**CITY OF KIRKLAND**  
**Department of Finance & Administration**  
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**MEMORANDUM**

**To:** Kurt Triplett, City Manager

**From:** Michael Olson, Director of Finance and Administration  
Sandi Hines, Deputy Director – Budget and Finance

**Date:** August 20, 2020

**Subject:** 2021 to 2026 Capital Improvement Program

RECOMMENDATION:

City Council continues discussion and provides direction for finalizing the 2021-2026 Capital Improvement Program (CIP), which is scheduled to be adopted with the 2021-2022 Biennial Budget at the December 8th City Council meeting.

BACKGROUND:

The Council was presented with the Preliminary 2021-2026 CIP at the [June 16, 2020 Council Meeting](#). The changes to the Preliminary 2021-2026 CIP detailed below include those identified by staff since that meeting. Updated CIP Summary Tables are included as **Attachment A**. Projects are listed by area and changes including new projects, modifications, and change in funding status are marked using the key shown below each table.

**Funding Update**

The Preliminary CIP memo in June outlined the various revenue assumptions used in the development of the 6-year CIP. Since that time, several of the revenue sources and funding mechanisms have been updated. One factor that is being evaluated is whether there will be impacts from COVID-19. The economic situation is still too fluid to modify projections, but Finance staff will continue to monitor the situation and incorporate any impacts in the materials brought to Council for action in December. In the meantime, staff has applied Kirkland's conservative yet pragmatic approach to projecting revenues and certain revenue projections have been increased to acknowledge current trends and receipts to date.

Real Estate Excise Tax (REET) revenue continues to come in higher than planned projections and has already exceeded the 2020 Budget. Based on actuals through August and a conservative estimate for the remainder of the year, REET revenues are projected to exceed the 2020 budget by \$6.2 million. The table on the following page shows the projected REET revenues available for programming and the planned uses. The data is presented in a cash flow format in order to include the estimated beginning balance in 2021, which acknowledges the receipt of REET revenues higher than budget in recent years. The planned increase of \$2 million annually in REET revenue, \$1 million each from REET 1 and REET 2, is highlighted below. The fund balance remains positive and grows over the 6-year planning period after accounting for the planned uses.

REET 1 Sources & Uses Table						
Sources	2021	2022	2023	2024	2025	2026
REET 1 - Estimated Starting Balance (PY Balance + Reserves)	\$ 7,817,175	\$ 3,862,829	\$ 4,266,079	\$ 3,645,329	\$ 3,300,579	\$ 3,289,829
REET 1 - Current Revenues (Budget)	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000
REET 1 - Added Revenues (Estimate for budget revision)*	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
REET 1 - Interest Earnings (Estimate)	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
<b>Total REET 1 Sources</b>	<b>\$ 10,092,175</b>	<b>\$ 6,137,829</b>	<b>\$ 6,541,079</b>	<b>\$ 5,920,329</b>	<b>\$ 5,575,579</b>	<b>\$ 5,564,829</b>
Uses						
REET 1: Debt Service	\$ (600,000)	\$ (780,250)	\$ (780,250)	\$ (780,250)	\$ (780,250)	\$ (780,250)
REET 1: Maintenance REET 1 Flexibility	\$ (263,500)	\$ (263,500)	\$ (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: Set Aside for FS 27	\$ (4,457,846)	\$ -	\$ -	\$ -	\$ -	\$ -
REET 1: Minimum Reserves (Policy)	\$ (1,000,000)	\$ (1,000,000)	\$ (1,000,000)	\$ (1,000,000)	\$ (1,000,000)	\$ (1,000,000)
<b>Total REET 1 Uses</b>	<b>\$ (7,229,346)</b>	<b>\$ (2,871,750)</b>	<b>\$ (3,895,750)</b>	<b>\$ (3,619,750)</b>	<b>\$ (3,285,750)</b>	<b>\$ (3,340,750)</b>
<b>REET 1 Balance</b>	<b>\$ 2,862,829</b>	<b>\$ 3,266,079</b>	<b>\$ 2,645,329</b>	<b>\$ 2,300,579</b>	<b>\$ 2,289,829</b>	<b>\$ 2,224,079</b>

  

REET 2 Sources & Uses Table						
Sources	2021	2022	2023	2024	2025	2026
REET 2 - Estimated Starting Balance (PY Balance + Reserves)	\$ 7,648,531	\$ 6,993,531	\$ 7,357,531	\$ 7,781,531	\$ 8,244,531	\$ 8,954,531
REET 2 - Current Revenues (Budget)	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000
REET 2 - Added Revenues (Estimate for budget revision)*	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
REET 2 - Interest Earnings (Estimate)	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
<b>Total REET 2 Sources</b>	<b>\$ 9,923,531</b>	<b>\$ 9,268,531</b>	<b>\$ 9,632,531</b>	<b>\$ 10,056,531</b>	<b>\$ 10,519,531</b>	<b>\$ 11,229,531</b>
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	\$ (1,189,000)	\$ (1,311,000)	\$ (1,251,000)	\$ (1,212,000)	\$ (965,000)	\$ (1,537,000)
REET 2: Affordable Housing Set-Aside	\$ (1,141,000)	\$ -	\$ -	\$ -	\$ -	\$ -
REET 2: Minimum Reserves (Policy)	\$ (1,000,000)	\$ (1,000,000)	\$ (1,000,000)	\$ (1,000,000)	\$ (1,000,000)	\$ (1,000,000)
<b>Total REET 2 Uses</b>	<b>\$ (3,930,000)</b>	<b>\$ (2,911,000)</b>	<b>\$ (2,851,000)</b>	<b>\$ (2,812,000)</b>	<b>\$ (2,565,000)</b>	<b>\$ (3,137,000)</b>
<b>REET 2 Balance</b>	<b>\$ 5,993,531</b>	<b>\$ 6,357,531</b>	<b>\$ 6,781,531</b>	<b>\$ 7,244,531</b>	<b>\$ 7,954,531</b>	<b>\$ 8,092,531</b>

\*Updates total current year REET revenues to \$4.5 million per year which is 43% of revenues from 2017 (2 year lag) - the worst single year decline in the Great Recession was 54%. Peak to trough decline (2006 to 2009) was 71%.

Although REET collections are higher than budget, no adjustments are being proposed at this point. Additional revenue is being held as a contingency for:

- The economic uncertainty in the post-COVID world and potentially lower revenue in the future,
- Potentially high bids for large transportation projects due to escalated market prices,
- Uncertainty of outstanding grant applications for several of the large transportation projects,
- As a potential debt reduction measure for Phase II of the Infrastructure Agreement with The Village at Totem Lake (which is expected to reach substantial completion by year end, triggering the second \$7.5 million payment) and previously approved debt on transportation projects.

Specific projects with outstanding grant applications or upcoming bids are noted in the *Project Update Highlights* later in this memo.

Another major funding source for the Transportation and Parks CIP is impact fees. Considering the booming construction market over the past several years, the current \$1 million annual allocation each for Road and Park Impact Fees was evaluated. Additionally, a future look at what potential developments are in the pipeline and what developments are expected to move forward through the process was factored into the analysis. It was determined that an increased annual allocation can be supported, even with conservative development assumptions. The Transportation Impact Fee annual funding allocation to the CIP increased by \$500,000 for a new total of \$1.5 million and the Park Impact fee annual funding allocation increased by \$200,000 for a new total of \$1.2 million. This is based on the current impact fee

schedules and does not account for any potential changes in fees from the impact fee studies currently underway.

The review of revenue projections also resulted in the following changes (additions and reductions) in the 6-Year funding projections compared to the information presented in June:

- Acknowledged new information on potential external funding:
  - The Sound Transit contribution to **WAC 16900 – NE 85th St and I-405 Watermain Relocation** was reduced by \$6 million to reflect that the cost will be the responsibility of the City. This project is discussed further in the project highlights later in the memo and in a separate agenda item at the September 1 Council meeting.
  - Grants received:
    - PSRC grant of \$1.6 million towards construction of **NMC 11300 – Citywide Greenways Networks**
    - A new PSRC grant was awarded in the amount of \$1.535 million for **NMC 08610 – NE 124th St/124th Ave NE Ped Bridge Design & Construction**
  - Potential grants:
    - City has applied for a Transportation Improvement Board (TIB) grant of \$3.982 million to fund **STC 05913 – 124th Ave NE Roadway Improvements (North Section) Construction**
  - Northshore Utility District's (NUD) potential contribution (exact amount to be determined based on scope of project approved by Council) towards the estimated project cost of \$555,000 for **STC 00609 – Totem Lake Boulevard & 120<sup>th</sup> Avenue Preservation**

These funding changes have been incorporated into the CIP revenue sources shown in the table on the following page. Some of these amounts might change as staff continue to update projections based on new information. Staff will continue to update the revenue projections and bring revised information for Council review prior to CIP adoption in December.

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

<b>Dedicated Revenue</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>6-Year Total</b>
<b>Transportation</b>							
Gas Tax	660	673	686	700	700	700	<b>4,119</b>
Gas Tax (Transportation Package)	200	200	250	150	200	200	<b>1,200</b>
Business License Fees	270	270	270	270	270	270	<b>1,620</b>
Real Estate Excise Tax (REET) 1	736	766	733	717	550	950	<b>4,452</b>
Real Estate Excise Tax (REET) 2	1,189	1,311	1,251	1,212	965	1,537	<b>7,465</b>
Street & Pedestrian Safety Levy	2,733	2,760	2,788	2,816	2,816	2,816	<b>16,729</b>
Transportation Impact Fees	1,500	1,500	1,320	-	-	-	<b>4,320</b>
Utility Rates	500	541	500	130	30	333	<b>2,034</b>
Solid Waste Street Preservation	386	393	401	409	417	425	<b>2,431</b>
REET 2 Reserve	404	150	2,230	350	-	-	<b>3,134</b>
Carryover/Prior Year Funds	439	-	-	-	-	-	<b>439</b>
Debt	-	-	1,569	-	-	-	<b>1,569</b>
Secured External Sources	2,584	3,842	1,480	1,600	-	-	<b>9,506</b>
Unsecured External - Sound Transit	900	3,800	6,300	-	-	-	<b>11,000</b>
Unsecured External Sources	4,000	3,982	-	4,336	2,569	2,985	<b>17,872</b>
<b>Subtotal Transportation</b>	<b>16,501</b>	<b>20,188</b>	<b>19,778</b>	<b>12,690</b>	<b>8,517</b>	<b>10,216</b>	<b>87,890</b>
<b>Parks</b>							
Real Estate Excise Tax 1	172	62	1,119	859	692	347	<b>3,251</b>
Park Impact Fees	1,200	1,200	1,200	1,210	1,190	1,200	<b>7,200</b>
Parks Levy	250	250	250	250	250	250	<b>1,500</b>
King County Park Levy	353	353	353	353	353	353	<b>2,118</b>
Park Facilities Sinking Fund	162	169	146	160	150	243	<b>1,030</b>
Carryover/Prior Year Funds	100	-	-	-	-	-	<b>100</b>
External Sources	-	160	720	560	560	560	<b>2,560</b>
<b>Subtotal Parks</b>	<b>2,237</b>	<b>2,194</b>	<b>3,788</b>	<b>3,392</b>	<b>3,195</b>	<b>2,953</b>	<b>17,759</b>
<b>General Government: Technology, Facilities &amp; Public Safety</b>							
General Fund Contributions for:							
Public Sfty. Equip. Sinking Fund	173	126	963	1,067	391	281	<b>3,001</b>
Technology Equip. Sinking Fund	170	333	100	461	150	93	<b>1,307</b>
Utility Rates	64	73	64	83	64	72	<b>420</b>
Facilities Life Cycle Reserve	1,244	150	936	922	385	557	<b>4,194</b>
General Fund Cash	49	70	49	95	49	70	<b>382</b>
<b>Subtotal General Government</b>	<b>1,700</b>	<b>752</b>	<b>2,112</b>	<b>2,628</b>	<b>1,039</b>	<b>1,073</b>	<b>9,304</b>
<b>Utilities</b>							
Utility Connection Charges	425	1,325	1,085	945	945	945	<b>5,670</b>
Utility Rates - Surface Water	1,811	1,942	2,800	2,738	2,638	4,506	<b>16,435</b>
Utility Rates - Water/Sewer	4,789	4,861	5,083	5,400	5,770	5,770	<b>31,673</b>
Reserves	1,752	1,259	1,730	420	1,450	50	<b>6,661</b>
External Sources	865	1,994	-	-	-	-	<b>2,859</b>
<b>Subtotal Utilities</b>	<b>9,642</b>	<b>11,381</b>	<b>10,698</b>	<b>9,503</b>	<b>10,803</b>	<b>11,271</b>	<b>63,298</b>
<b>Total Revenues</b>	<b>30,080</b>	<b>34,515</b>	<b>36,376</b>	<b>28,212</b>	<b>23,554</b>	<b>25,513</b>	<b>178,250</b>

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

## **Project Update Highlights**

The following section highlights recommended changes (i.e., cost increases or decreases, project scope changes, corrections, and project additions and deletions) to the Preliminary 2021-2026 CIP presented to Council at the June 16, 2020 study session.

### *SUMMARY OF CHANGES*

The Preliminary 2021-2026 funded CIP totals \$178,248,500 for the six-year period, an increase of \$4.0 million from the preliminary CIP presented in June. The updated Preliminary CIP by program, compared with the Preliminary CIP presented in June, is shown in the table below.

Area	2021-2026 Capital Improvement Program					
	Funded CIP			Unfunded CIP		
	Preliminary	Updated Prelim	Change	Preliminary	Updated Prelim	Change
Transportation	86,528,900	87,889,800	1,360,900	383,518,000	386,558,300	3,040,300
Surface Water	14,222,500	17,880,600	3,658,100	21,555,000	21,555,000	-
Water/Sewer Utility	47,196,700	45,417,000	(1,779,700)	49,033,000	49,033,000	-
Parks	17,678,400	17,758,400	80,000	130,990,000	131,930,000	940,000
Public Safety	3,144,300	3,001,200	(143,100)	35,154,000	55,800,000	20,646,000
General Government						
Technology	2,009,250	2,106,700	97,450	2,432,000	2,432,000	-
Facilities	3,420,592	4,194,800	774,208	-	-	-
<b>Total</b>	<b>174,200,642</b>	<b>178,248,500</b>	<b>4,047,858</b>	<b>622,682,000</b>	<b>647,308,300</b>	<b>24,626,300</b>

### *TRANSPORTATION*

#### *Project Modifications*

- **Street Preservation Programs:** The Preliminary 2021-2026 CIP presented in June included two projects related to street preservation – the Annual Street Preservation Program and the Street Levy-Street Preservation program. Changes to these two projects are as follows:
  - **STC 00600 – Annual Street Preservation Program:** Budget Reduced. Project funding reduced by \$50,000 per year to fund the new Local Road Maintenance project described below (STC 00608). Additionally, year 2021 is reduced by \$750,000 in order to fund half of the Central Way Preservation Construction project (STC 00604) which did not receive grant funding.
  - **STC 00603 – Street Levy Street Preservation:** Budget Modified. 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 fund half of the Central Way Preservation Construction project (STC 00604) which did not receive grant funding.

For this update of the CIP, three additional street preservation projects have been added:

- **STC 00604 – Central Way Preservation Construction:** Budget Increased. The City learned after the June Preliminary CIP was presented that our application for a federal grant to fund the construction portion of the Central Way Preservation project was unsuccessful. New funding of \$1.5 million is being added in 2021 for construction and will be funded by equal reductions in the Annual Street Preservation Program (STC

00600) and the Street Levy Street Preservation project (STC 00603). Funding for design of this project was included in the 2019-2024 CIP in 2019.

- **STC 00608 – Local Road Maintenance:** New Project. Project is funded at \$50,000 per year by a reduction in the Annual Street Preservation Program (STC 00600). This new project will 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.
- **STC 00609 – Totem Lake Boulevard & 120th Ave NE Preservation:** New Project. 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. If Council should choose to exclude the sidewalk portion of the project, the City's cost would be reduced by \$200,000 for an estimated total project cost of \$355,000. The CIP as presented with this memo includes the project at the full scope and cost of \$555,000 but can be reduced for the final CIP should Council choose the lower scope option.
- **100th Avenue Roadway Improvements:** Budget Increased. This improvement includes a suite of projects including the following four that are planned in the 2021-26 CIP:
  - STC 08313 – 100th Ave NE Roadway Improvements (North Section)
  - STC 08314 – 100th Ave NE Roadway Improvements (Mid-North Section)
  - TRC 13500 – 100th Ave NE/Simonds Road Intersection Improvements
  - TRC 13600 – 100th Ave NE/NE 145th St Intersection Improvements

Based on updated cost estimates and further design work, the suite of projects needed an additional \$5.4 million. A portion of this funding gap was filled by the Transportation General Contingency project (a project that had been placed in the Preliminary 2021-2026 CIP to recognize uncertainty in project estimates that has now been distributed to specific projects). Additionally, the City is seeking grant funds of \$4 million from PSRC and will receive notification of potential award in October. If funding changes are needed due to an unsuccessful application, they will be brought back at the November 17 Council Study Session. In that event, REET revenue above budget described earlier could be a potential funding source.

- **STC 05913 – 124th Ave NE Roadway Improvements (North Section) Construction:** Budget Increased. Updated project estimates have been received since June and are roughly \$4 million greater than planned. The City has applied for a Transportation Improvement Board (TIB) grant for \$3.982 million to fund the increased cost. The TIB will announce the grant awards mid-November. Should the City be unsuccessful, an additional funding source would be needed. As discussed above, REET revenues continue to come in strong and above budget and could be a funding source.
- **STC 08900 – Juanita Drive Intersection & Safety Improvements:** Budget Increased. Design work is now at 30% and updated project estimates came in higher than planned by \$1,927,000. Additional funding will be from Impact Fees.
- **STC 10500 – Kirkland Way Low Clearance Bridge at the CKC-Advance Warning Signage:** Project Removed. The project was included in the June Preliminary CIP at an estimate

of \$100,000. The project has been removed with this update as it will be accomplished during 2020 with funds from the operating side of the street budget. The project will have a reduced scope and a maximum estimated cost of \$25,000.

- **STC 10700 – NE 85th Street Ped/Bike Connection 114th Ave NE to 6th Street:** Budget Reduction. This project is one of three that are related to Sound Transit projects in the area. All three projects are funded by Sound Transit and although the final amount is yet to be agreed upon, an updated amount has been provided since June. The original estimate of \$13 million has been reduced to \$6.9 million in this update. Negotiations are under way with Sound Transit and once final funding numbers are known, they will be brought to Council and incorporated into the final CIP.
- **Transportation General Contingency:** Project Removed. This was a placeholder project with a budget of \$1.774 million, awaiting more defined estimates on several of the large grant transportation projects, such as 100th Ave NE Roadway Improvements, 124th Ave NE Roadway Improvements, and Juanita Drive Improvements. Now that these projects have moved farther along in their design and project estimates have been updated, funding from this project has been distributed where additional funding was needed. As a result, this general contingency project has been removed.
- **NMC 08610 – NE 124th St/124th Ave NE Ped Bridge Design & Construction:** Project Removed. The \$2.597 million of funding planned in years 2021/2022 is being removed from the CIP as a funding plan using 2020 sources has been developed since the Preliminary CIP was presented in June. This project was funded in prior CIP's but after updated cost estimates came in high it was determined to have a roughly \$4.1 million shortfall. A new PSRC grant was awarded in the amount of \$1.535 million, leaving a net deficit of \$2.597 million, which was planned into the Preliminary 2021-2026 CIP presented in June. Since June, a plan of funding the remaining shortfall using transportation project close-outs, previously approved funds from project 85th St/132nd Ave NE Dual Left Turn Lanes-Design (TRC 13900, which has been replaced with a design set-aside for this project described below), and REET 2 reserves has been developed and would provide funding in the current 2020 budget year. No new funds are projected in the 2021-2026 CIP and bid award is expected in October.
- **NMC 11300 – Citywide Greenways Networks:** Budget Reduced. Funding in the June Preliminary CIP for this annual project was reduced from the usual \$1.5 million (6-year total) to \$500,000 (6-year total) in order to reallocate funding to high priority projects that are in progress. Since the June Preliminary CIP was presented, the City has received a PSRC grant for \$1.6 million towards construction of this project. The total project estimate for the 6 years has been increased by \$1.9 million for a total 6-year funding level of \$2.4 million (includes \$1.6 million in grants, \$350,000 in reserves, \$315,000 in REET revenues, and \$135,000 in Impact Fees).
- **NMC 12500 – CKC Lighting 120th Ave NE to NE 124th St:** Budget Increased. Total project estimate increased \$30,000 to account for costs that will not be eligible to be funded by the Department of Commerce grant that is funding 97% of this project (total grant \$650,000).
- **NMC 12600 – School & Transit Connector Sidewalk on 120<sup>th</sup> Ave NE:** Budget Increased. Total project estimate increased \$10,000 to account for costs that will not be eligible to be funded by the Department of Commerce grant that is funding 97% of this project (total grant \$120,000).
- **NMC 12700 – Juanita Drive Nonmotorized Improvements 79th Way NE to NE 120th St:** Budget Increased. Total project estimate increased \$30,000 to account for costs that will not

be eligible to be funded by the Department of Commerce grant that is funding 97% of this project (total grant \$650,000).

- **TRC 13900 – 85th St/132nd Ave NE Dual Left Turn Lanes - Design:** Modified Budget, \$350,000. 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 in the Preliminary CIP. New funding of \$350,000 is proposed for 2022 and allows for a design phase which provides benefits of coordinating planned improvements with the neighboring Continental Divide development, further investigating site conditions, and understanding surface water compliance (site drains to the east towards Redmond).
- **Safer Routes to School Action Plans Implementation:** On August 4, 2020, staff presented to the City Council the draft Safer Routes to School Action Plans including the prioritized list of sidewalk and crosswalk improvements in each neighborhood. The City Council directed staff to return with a funding mechanism for the implementation and adoption of the Action Plans. This update of the 2021-2026 CIP includes the funding mechanism by encompassing multiple existing CIP projects and creating new projects described below.

*Existing CIP projects related to school walk routes*

- **NMC 00610 Street Levy – Safe School Walk Routes:** This project will be combined into NMC08700 as described below.
- **NMC 08700 – Citywide School Walk Route Enhancements:** This project will be rebranded with the new title of **Safer Routes to School Action Plans Implementation** and will be funded by multiple sources including Street Levy funds dedicated toward school walk routes at \$150,000 per year from NMC00610, REET 2 at \$400,000 per year (this is a recommended increase of \$100,000 over the previous annual allocation of \$300,000 for this project), and School Zone Camera revenue.

At this time, funding from the School Zone Cameras is on hold since the cameras have not been in use since the Stay Home, Stay Healthy order in March and will not be operating with school opening remotely in Fall 2020. The intent is that when the cameras are operational, any revenue above operating costs would be put towards the Safer Routes to School Action Plans projects in the CIP and the Neighborhood Safety Program (NSP) in the General Fund. If in-person school re-opens before the final CIP is adopted, estimated revenues will be incorporated. Until there is better information about when schools will be opening again, existing school zone camera revenue above expenses that has been collected is being held to pay for the continuing expenses of the program. Once the program returns to operation, this potential funding source for Safer Routes to School and the NSP will be incorporated into a future CIP update.

*A new project related to the Safer Routes to School Action Plans Implementation*

- **NMC 08720 – NE 131st Way/90th Ave NE Nonmotorized Improvements (97th Ave NE to NE 134th St) Scope & Design:** This 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. 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.

*Unfunded Projects*

In addition to the Safer Routes to School Action Plans project, several new unfunded projects have been added to the CIP. Three improvements are candidates for School Walk Route grants through WA State Department of Transportation. Applications for grant funding have been submitted for the following new projects:

- **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)

The new projects have been included on the Unfunded Transportation list as funding is unsecured at this point. Also, if the current grant applications are unsuccessful, these three projects may not rise to the funded Transportation project list as the next top priority improvements to receive the annual City funds allocated in the Safer Routes to School Action Plans Implementation project (NMC 08700). If the grant applications are successful before the CIP adoption in December, they would be moved to the funded list.

	Projects as Presented in June 2020	Change Amount	Projects as Presented Sept. 1, 2020	Total CIP
<b>Preliminary 2021-2026 Transportation CIP</b>				<b>470,046,900</b>
<i>Changes discussed in this memorandum</i>				
<b>Funded Projects</b>				
STC 00600 Annual Street Preservation Program	11,132,000	(1,682,000)	9,450,000	
STC 00603 Street Levy Street Preservation	14,897,000	(718,000)	14,179,000	
STC 00604 Central Way Preservation Construction	-	1,500,000	1,500,000	
STC 00608 Local Road Maintenance	-	300,000	300,000	
STC 00609 Totem Lake Boulevard & 120th Avenue NE Preservation	-	555,000	555,000	
STC 05913 124th Ave NE Roadway Improvements (North Section) Construction	5,550,000	3,850,000	9,400,000	
STC 08313 100th Avenue NE Roadway Improvements (North Section)	1,055,000	675,900	1,730,900	
STC 08314 100th Avenue NE Roadway Improvements (Mid-North Section)	1,575,000	1,009,000	2,584,000	
STC 08900 Juanita Drive Intersection and Safety Improvements	2,868,500	1,927,000	4,795,500	
STC 10500 Kirkland Way Low Clearance Bridge at the CKC-Advanced Warning Signage	100,000	(100,000)	-	
STC 10700 NE 85th Street Ped/Bike Connection 114th Ave NE to 6th St	13,000,000	(6,100,000)	6,900,000	
STC [NEW] Transportation General Contingency	1,774,000	(1,774,000)	-	
NMC 00610 Street Levy - Safe School Walk Routes	900,000	(900,000)	-	
NMC 08610 NE 124th St/124th Ave NE Ped Bridge Design & Construction	2,597,000	(2,597,000)	-	
NMC 08700* Safer Routes to School Action Plans Implementation	1,800,000	1,500,000	3,300,000	
NMC 08720 NE 131st Way/90th Ave NE Nonmotorized Impr. (97th Ave NE to NE 134th St) Scope & Design	-	439,000	439,000	
NMC 11300 Citywide Greenways Networks	500,000	1,900,000	2,400,000	
NMC 12500 CKC Lighting 120th Avenue NE to NE 124th Street	650,000	30,000	680,000	
NMC 12600 School & Transit Connector Sidewalk on 120th Avenue NE	120,000	10,000	130,000	
NMC 12700 Juanita Drive Nonmotorized Improvements 79th Way NE to NE 120th St	650,000	30,000	680,000	
TRC 13500 100th Avenue NE/Simonds Road Intersection Improvements	-	582,000	582,000	
TRC 13600 100th Avenue NE/NE 145th St Intersection Improvements	-	574,000	574,000	
TRC 13900 85th St/132nd Ave NE Dual Left Turn Lanes - Design	-	350,000	350,000	
<b>Subtotal Funded</b>	<b>59,168,500</b>	<b>1,360,900</b>	<b>60,529,400</b>	
<b>Unfunded Projects</b>				
NMC 087xx 19th Ave NE/4th St Sidewalks & Flashing Crossing on Market Street	-	2,443,500	2,443,500	
NMC 087xx Reflective Flashing Beacon at 106th Ave NE Crossing NE 68th St	-	134,800	134,800	
NMC 087xx NE 124th Street Sidewalk	-	462,000	462,000	
<b>Subtotal Unfunded</b>	<b>-</b>	<b>3,040,300</b>	<b>3,040,300</b>	
<b>Changes to Preliminary 2021-2026 Transportation CIP</b>		<b>4,401,200</b>		<b>4,401,200</b>
<b>Proposed 2021-2026 Transportation CIP</b>				<b>474,448,100</b>

\* Program title for this project changed from Citywide School Walk Route Enhancements to Safer Routes to School Action Plans Implementation beginning with year 2021.

## *SURFACE WATER*

### *Project Modifications*

Since the June Preliminary CIP was presented, several global changes have taken place for the Surface Water CIP. First, updated system reinvestment revenue assumptions used in the current Surface Water rate study provided additional funding of \$3.3 million. System reinvestment revenues are related to depreciation, which is a measure of asset use over time. Incorporating these revenues into the CIP helps address the impacts of system aging. Second, a high-level assessment of risk for each project was made and a risk factor of low, medium, or high was applied to the list of projects in the Preliminary CIP. Some surface water projects can carry a higher than normal risk of complications due to in-ground variables that are unknown until a project is far along in its development and construction. This risk assessment helped to prioritize which projects that are recommended to receive a portion of the \$3.3 million additional funding. Those projects deemed "high risk" received additional contingency funding:

- **SDC 04900 – Forbes Creek/108th Ave NE Fish Passage Improvements:** \$200,000 added in 2026
- **SDC 05300 – Forbes Creek/Coors Pond Channel Grade Controls:** \$200,000 added in 2026
- **SDC 06300 – Everest Creek – Slater Ave at Alexander Street:** \$100,000 added in 2024
- **SDC 09000 – Goat Hill Drainage Ditch Conveyance & Channel Stabilization:** \$400,100 added in 2022
- **SDC 09200 – Juanita Creek Culvert at NE 137th Street:** \$260,500 added in 2023

### *Other Project Modifications*

- **SDC 04700 – Annual Replacement of Aging/Failing Infrastructure:** Budget Increased. Annual allocation increased by \$300,000 per year from the increased funding assumptions.
- **SDC 10800 – Maintenance Center Storm Water Pollution Prevention:** Budget Increased. Total project cost increased by \$50,000 based on updated project estimates.
- **SDC 10900 – Holmes Point Drive Pipe Replacement – Phase 2 Outfall:** Budget Increased, \$169,000. This project was originally in the 2017-2022 CIP and received funding of \$151,000 in 2018. 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 proposed improvements need to address direct outfall to Lake Washington, nearby trees, and an easement on private property. Given the additional time this will take, new funding of \$169,000 is proposed for 2021. The updated total project estimate of \$320,000 will cover design and construction based on anticipated permit conditions (i.e. no mitigation for shoreline impacts). If the permitting process requires shoreline mitigation, additional funding will be needed to complete construction. It is unknown how much additional would be needed until the permitting process is completed.
- **SDC 12500 – NE 120th Street Water Quality Treatment:** Budget Increased. This project was originally funded in the 2019-2024 CIP with \$738,000 in 2019. Due to increased cost estimates, the project is being placed on the Preliminary 2021-2026 CIP with new funding of \$65,000.
- **SDC 12700 – Storm Rehabilitation at Rose Point Lift Station:** Budget Increased. Due to updated cost estimates, an additional \$100,000 is proposed for this project in year 2026.
- **SDC 13200 – Water Quality Treatment & Infiltration at NE 111th PI/127<sup>th</sup> PI NE:** Budget Increased. This update of the CIP corrects the previous total project estimate from \$1,100,000 to \$1,413,500 by including the City's grant match of \$313,500. The City received grant funding of \$1,060,125 and the related grant match funding was missed in the Preliminary CIP presented in June.

	Projects as Presented in June 2020	Change Amount	Projects as Presented Sept. 1, 2020	Total CIP
<b>Preliminary 2021-2026 Surface Water CIP</b>				<b>35,777,500</b>
<i>Changes discussed in this memorandum</i>				
<b>Funded Projects</b>				
SDC 04700 Annual Replacement of Aging/Failing Infrastructure	1,200,000	1,800,000	3,000,000	
SDC 04900 Forbes Creek/108th Avenue NE Fish Passage Improvements	1,323,100	200,000	1,523,100	
SDC 05300 Forbes Creek/Coors Pond Channel Grade Controls	1,040,000	200,000	1,240,000	
SDC 06300 Everest Creek - Slater Avenue at Alexander Street	950,000	100,000	1,050,000	
SDC 09000 Goat Hill Drainage Ditch Conveyance & Channel Stabilization	1,082,000	400,100	1,482,100	
SDC 09200 Juanita Creek Culvert at NE 137th Street	1,339,000	260,500	1,599,500	
SDC 10800 Maintenance Center Storm Water Pollution Prevention	300,000	50,000	350,000	
SDC 10900 Holmes Point Drive Pipe Replacement - Phase 2 Outfall	-	169,000	169,000	
SDC 12500 NE 120th Street Water Quality Treatment	-	65,000	65,000	
SDC 12700 Storm Rehabilitation at Rose Point Lift Station	387,900	100,000	487,900	
SDC 13200 Water Quality Treatment & Infiltration at NE 111th Pl/127th Pl NE	1,100,000	313,500	1,413,500	
<b>Subtotal Funded</b>	<b>8,722,000</b>	<b>3,658,100</b>	<b>12,380,100</b>	
<b>Unfunded Projects</b>				
	-	-	-	
<b>Subtotal Unfunded</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Changes to Preliminary 2021-2026 Surface Water CIP</b>		<b>3,658,100</b>		<b>3,658,100</b>
<b>Proposed 2021-2026 Surface Water CIP</b>				<b>39,435,600</b>

## WATER/SEWER

### Project Modifications

- SSC 00600 – Trend Lift Station Elimination:** Project Removed. Total project funding of \$1,748,000 is being removed from the 2021-2026 CIP due to a change in scope and delivery. The 2010 General Sewer Plan recommended the lift station be abandoned and replaced by gravity sewer in 132<sup>nd</sup> Ave NE, unless gravity extensions were to be delayed. Staff have made multiple attempts to coordinate with City of Redmond and developers to extend and abandon. Now the project is shifting focus to replace the lift station with a wet well, two submersible pumps and a surface mounted control panel. Total funding for the new scope is \$497,000 and can be accomplished with funding approved in the 2019-2024 CIP.
- SSC 06200 – NE 108th Street Sewermain Replacement:** Budget Reduction. Total project cost decreased by \$31,700 due to updated cost estimates.
- WAC 16900 - NE 85<sup>th</sup> Street and I-405 Watermain Relocation:** The total cost of this project did not change, but the funding source was modified to reflect that the City would not receive external funding for this project, so the scheduling of other projects was adjusted to accommodate this high priority project, as described below.

At the June 2, 2020 Study Session, staff briefed the Council on the need to relocate a watermain because of the planned construction of the Washington State Department of Transportation (WSDOT) 405/Kirkland Interchange and Inline Station Project (KIISP) at the NE 85th St (85th) interchange and NE 132nd Street. Staff presented four (4) options for relocating the watermain at the June 2nd Study Session and is continuing to evaluate options and costs. The list of options being considered includes the installation of earthquake resistant ductile iron pipe to improve resiliency and disaster preparedness. The Preliminary 2021-2026 CIP includes the watermain replacement project in 2021 and 2022 at a cost of \$6.5 million.

At the Council meeting on September 1, 2020, staff will provide an update on this project and discuss the status of the negotiations with WSDOT and the option of including earthquake-

resistant pipe for all the water line replacement. The schedule of the following water projects has been adjusted as shown.

- **WAC 13700 – NE 73rd Street Water Main Replacement:** 2023-2024.
- **WAC 14900 – Lake Washington Boulevard Water Main Replacement:** 2025-2026.
- **WAC 16400 – NE 116th Place Water Main Replacement:** 2021 to 2026.
- **WAC 16700 – 11th Avenue Water Main Replacement:** 2021 to 2026.
- **WAC 16800 – 11th Place Water Main Replacement:** 2021 to 2026.

	Projects as Presented in June 2020	Change Amount	Projects as Presented Sept. 1, 2020	Total CIP
<b>Preliminary 2021-2026 Water/Sewer CIP</b>				<b>96,229,700</b>
<i>Changes discussed in this memorandum</i>				
<b>Funded Projects</b>				
SSC 00600 Trend Lift Station Elimination	1,748,000	(1,748,000)	-	
SSC 06200 NE 108th Street Sewermain Replacement	7,774,200	(31,700)	7,742,500	
<b>Subtotal Funded</b>	<b>9,522,200</b>	<b>(1,779,700)</b>	<b>7,742,500</b>	
<b>Unfunded Projects</b>				
	-	-	-	
<b>Subtotal Unfunded</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Changes to Preliminary 2021-2026 Water/Sewer CIP</b>		<b>(1,779,700)</b>		<b>(1,779,700)</b>
<b>Proposed 2021-2026 Water/Sewer CIP</b>				<b>94,450,000</b>

**PARKS**

*Project Modifications – Funded Projects*

- **PKC 04900 – Open Space, Park Land & Trail Acquisition Grant Match Program:** \$100,000. This project is a placeholder in the CIP to demonstrate grant match ability and does not require any new funding. It was inadvertently removed from the June Preliminary CIP and is being added back.

The Parks CIP has been rebalanced since it was presented to Council in June. This was done to optimize restricted funding sources, such as Park Impact Fees, on eligible projects and reflect reallocation of funding that had been inadvertently included in the Neighborhood Land Acquisition project in the June Preliminary CIP. The following projects have funding changes that are related to the rebalancing process.

- **PKC 06600 – Parks, Play Areas & Accessibility Enhancements:** Budget Increased. Total project funding increased \$200,000 with \$100,000 in each year for 2025 and 2026.
- **PKC 13330 – Neighborhood Park Land Acquisition:** Budget Reduction. Total project funding over the 6 years decreased by \$1,020,000. The reduction is the net result of rebalancing the other projects highlighted in this section. This project is an annual, ongoing project that accumulates funding in order to purchase land for future neighborhood parks. No specific project or acquisition is impacted by the decrease and total funding in the CIP is comparable to prior years.
- **PKC 15900 – Off Leash Dog Areas:** Budget Increased. Total project funding increased \$300,000 with \$100,000 in 2025 and \$200,000 in 2026.
- **PKC 16200 – Wayfinding and Park Signage Program Plan:** Budget Increased. Total project funding increased \$300,000 in 2025.

- **PKC 16300 – Trail Upgrades:** Budget Increased. Total project funding increased \$200,000 in 2026.
- **PKC 17000 – ADA Compliance Upgrades:** Funding Source Modified. Total project funding remains \$120,000 in 2024 (as presented in June 2020).

*Project Modifications – Unfunded Projects (Removed projects)*

- **PKC 13310 – Dock and Shoreline Renovations:** This project is a currently funded, so the unfunded project is being removed with this CIP process.
- **PKC 15300 – Synthetic Turf Playfields Master Plan:** This project was funded as a 2019 Mid-Biennial adjustment in the General Fund with general revenue sources but was left on the unfunded list. The work will be done in the operating budget rather than the CIP, so the project is being removed with this CIP process.

*New Projects – Unfunded*

The Parks and Community Services (PCS) capital improvement program is driven by the Parks, Recreation and Open Space (PROS) Plan, Council goals and direction, emerging needs/issues, and synergies with other City projects. These factors create a list of capital projects that are then ranked using a ranking sheet developed in 2012 and periodically reviewed and renewed by the Park Board and City Council. Department leadership staff rank the projects, create a consensus ranking sheet, and then review it with Park Board. The finalized list feeds into the funded and unfunded CIP recommendations.

- The following are new projects that did not rank high enough to be funded in this CIP process and are being added to the Unfunded Park list.
  - **PKC 16400 – Peter Kirk Park – Fencing and Drainage Improvements** \$250,000
  - **PKC 16500 – Skate Park Upgrades** \$150,000
  - **PKC 16600 – Brink Park Gun Mount Renovation** \$100,000
  - **PKC 16700 – O.O. Denny Park Improvements – Sand Volleyball** \$75,000
  - **PKC 16800 – Spray Park** \$500,000
- **PKC 16900 – Marina Park Dock and Shoreline Renovations:** The total project estimate of \$3,000,000 for this project sets it apart from the rest of the Dock and Shoreline Renovation projects and is unable to be fully funded at this point. The project is listed on the Unfunded list and will move to funded at such time sufficient resources are available.

	Projects as Presented in June 2020	Change Amount	Projects as Presented Sept. 1, 2020	Total CIP
<b>Preliminary 2021-2026 Parks CIP</b>				<b>148,668,400</b>
<i>Changes discussed in this memorandum</i>				
<b>Funded Projects</b>				
PKC 04900 Open Space, Park Land & Trail Acq Grant Match Program	-	100,000	100,000	
PKC 06600 Parks, Play Areas & Accessibility Enhancements	1,170,000	200,000	1,370,000	
PKC 13330 Neighborhood Park Land Acquisition	6,200,000	(1,020,000)	5,180,000	
PKC 15900 Off Leash Dog Areas	1,569,600	300,000	1,869,600	
PKC 16200 Wayfinding and Park Signage Program Plan	400,000	300,000	700,000	
PKC 16300 Trail Upgrades	120,000	200,000	320,000	
PKC 17000 ADA Compliance Upgrades	120,000	-	120,000	
<b>Subtotal Funded</b>	<b>9,579,600</b>	<b>80,000</b>	<b>9,659,600</b>	
<b>Unfunded Projects</b>				
PKC 13310 Dock and Shoreline Renovations	3,000,000	(3,000,000)	-	
PKC 15300 Synthetic Turf Playfields Master Plan	135,000	(135,000)	-	
PKC 16400 Peter Kirk Park - Fencing and Drainage Improvements	-	250,000	250,000	
PKC 16500 Skate Park Upgrades	-	150,000	150,000	
PKC 16600 Brink Park Gun Mount Renovation	-	100,000	100,000	
PKC 16700 O.O. Denny Park Improvements - Sand Volleyball	-	75,000	75,000	
PKC 16800 Spray Park	-	500,000	500,000	
PKC 16900 Marina Park Dock and Shoreline Renovations	-	3,000,000	3,000,000	
<b>Subtotal Unfunded</b>	<b>3,135,000</b>	<b>940,000</b>	<b>4,075,000</b>	
<b>Changes to Preliminary 2021-2026 Parks CIP</b>		<b>1,020,000</b>		<b>1,020,000</b>
<b>Proposed 2021-2026 Parks CIP</b>				<b>149,688,400</b>

## PUBLIC SAFETY

### Project modifications - Funded

- PSC 06200 – Defibrillator Unit Replacement:** This project is being removed from the 2021-2026 CIP. It was included in the approved 2019-2024 CIP Update as a funded project in 2020 for \$143,100 and no new budget is required. Due to delays in manufacturing, the new units are not expected to be received, and paid for, until 2021.

### Project modifications - Unfunded

- Fire Station projects:** The Unfunded Public Safety list includes several projects for fire station expansion, remodel or replacement. The estimated costs showing in the prior CIP were based on rough-order-of-magnitude figures from 2015, excluding inflation. Estimates for these projects have recently been updated due to the public safety levy ballot measure this Fall, including escalation to the year of construction. Updated costs for the projects are as follows:
  - PSC 30040 – Fire Station 21 Expansion & Remodel:** Increase of \$1,461,000 for a new project estimate of \$6,023,000. Construction is estimated to start in 2025.
  - PSC 30050 – Fire Station 22 Expansion & Remodel:** Increase of \$2,165,300 for a new project estimate of \$9,617,300. Construction is estimated to start in 2022.
  - PSC 30060 – Fire Station 26 Expansion & Remodel:** Increase of \$392,000 for a new project estimate of \$8,432,000. Construction is estimated to start in 2024.
  - PSC 30070 – Fire Station 27 Replacement:** Increase of \$13,421,800 for a new project estimate of \$28,521,800. Construction is estimated to start in 2022.

- **PSC 30080 – Temp Fire Station:** This is a new project with an estimate of \$3,205,900. A temporary fire station located at the Houghton Park and Ride is necessary to temporarily house fire staff and vehicles during the construction and remodel of planned fire stations. Construction is estimated to start in 2022.

	Projects as Presented in June 2020	Change Amount	Projects as Presented Sept. 1, 2020	Total CIP
<b>Preliminary 2021-2026 Public Safety CIP</b>				<b>38,298,300</b>
<i>Changes discussed in this memorandum</i>				
<b>Funded Projects</b>				
PSC 06200 Defibrillator Unit Replacement	143,100	(143,100)	-	
<b>Subtotal Funded</b>	<b>143,100</b>	<b>(143,100)</b>	<b>-</b>	
<b>Unfunded Projects</b>				
PSC 30040 Fire Station 21 Expansion & Remodel	4,562,000	1,461,000	6,023,000	
PSC 30050 Fire Station 22 Expansion & Remodel	7,452,000	2,165,300	9,617,300	
PSC 30060 Fire Station 26 Expansion & Remodel	8,040,000	392,000	8,432,000	
PSC 30070 Fire Station 27 Replacement	15,100,000	13,421,800	28,521,800	
PSC 30080 Temporary Fire Station	-	3,205,900	3,205,900	
<b>Subtotal Unfunded</b>	<b>35,154,000</b>	<b>20,646,000</b>	<b>55,800,000</b>	
<b>Changes to Preliminary 2021-2026 Public Safety CIP</b>		<b>20,502,900</b>		<b>20,502,900</b>
<b>Proposed 2021-2026 Public Safety CIP</b>				<b>58,801,200</b>

## INFORMATION TECHNOLOGY

### Project modifications

- **ITC 10000 – Network Server and Storage Replacements:** Total project cost increased by \$37,400 to account for cost inflation.
- **ITC 11000 – Network Infrastructure:** Total project cost increased by \$60,050 due to adding funding each year for additional hardware/software support as well as replacement for defective or failed network equipment, which was not covered previously by the 5-year subscription.

	Projects as Presented in June 2020	Change Amount	Projects as Presented Sept. 1, 2020	Total CIP
<b>Preliminary 2021-2026 Information Technology CIP</b>				<b>4,441,250</b>
<i>Changes discussed in this memorandum</i>				
<b>Funded Projects</b>				
ITC 10000 Network Server and Storage Replacements	373,500	37,400	410,900	
ITC 11000 Network Infrastructure	280,750	60,050	340,800	
<b>Subtotal Funded</b>	<b>654,250</b>	<b>97,450</b>	<b>751,700</b>	
<b>Unfunded Projects</b>				
	-	-	-	
<b>Subtotal Unfunded</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Changes to Preliminary 2021-2026 Information Technology CIP</b>		<b>97,450</b>		<b>97,450</b>
<b>Proposed 2021-2026 Information Technology CIP</b>				<b>4,538,700</b>

## FACILITIES

### Project modifications

- **GGC00800 – Electrical, Energy Management, & Lighting Systems:** Replacement of the Programmable Logic Controller at the Kirkland Justice Center increased planned expenditures by \$170,000 in year 2026.

- GGC 01100 – Roofing, Gutter, Siding and Deck Replacements:** Total project cost increased by \$614,980 due to the addition of roof replacements for the Teen Union Building and Fire Station 22 as well as an increase in cost of \$100,000 for the Peter Kirk Community Center roof replacement.

	Projects as Presented in June 2020	Change Amount	Projects as Presented Sept. 1, 2020	Total CIP
<b>Preliminary 2021-2026 Facilities CIP</b>				<b>3,420,592</b>
<i>Changes discussed in this memorandum</i>				
<b>Funded Projects</b>				
GGC 00800 Electrical, Energy Management, and Lighting Systems	328,000	170,000	498,000	
GGC 00900 Mechanical/HVAC Systems Replacements	925,540	(40)	925,500	
GGC 01000 Painting, Ceilings, Partition and Window Replacements	753,032	(10,732)	742,300	
GGC 01100 Roofing, Gutter, Siding and Deck Replacements	727,820	614,980	1,342,800	
<b>Subtotal Funded</b>	<b>2,734,392</b>	<b>774,208</b>	<b>3,508,600</b>	
<b>Unfunded Projects</b>				
	-	-	-	
<b>Subtotal Unfunded</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Changes to Preliminary 2021-2026 Facilities CIP</b>		<b>774,208</b>		<b>774,208</b>
<b>Proposed 2021-2026 Facilities CIP</b>				<b>4,194,800</b>

POLICY ISSUES/FOLLOW UP:

Two topics that were identified for additional follow up are provided below: additional background on the street preservation program and NE 145th St/84th Ave NE Intersection Safety Improvements.

***Street Preservation Program***

The City maintains 665 lane miles of streets, 59 parking lots, and 95 alleys through the Annual Street Preservation Program. The City maintains an inventory of these assets through our pavement management system called StreetSaver®. The City uses a consultant to regularly survey the condition of the City's pavement assets. Minor and Major Arterial roads, and Collectors are surveyed every 2 years, while neighborhood roads, parking lots and alleyways are surveyed every 4 years.

The obtained survey data is entered into StreetSaver®, a Pavement Management System database, to determine a Pavement Condition Index (PCI) rating of each street. The PCI for each street provides input to the overall average of all streets, parking lots, alleys and this average is compared to the PCI goal established by Council. The PCI level of service for Kirkland is 70.

The City uses StreetSaver® to manage and prioritize preservation treatments throughout the City's street network. This Pavement Management System considers all City streets, alleys, and parking lots in terms of existing pavement conditions, prior maintenance histories, and provides treatment recommendations for several years in the future to bring all sections to an optimal condition that will allow more cost effective preventative maintenance treatments to be used, versus costlier rehabilitation treatments required for pavement in poor repair conditions. The recommendation provides for a combination of streets, alleys, and parking lots that best serve the goals of the program. The City currently uses the following types of pavement treatment:

- Limited crack sealing and pavement patching as needed on all city streets
- Slurry sealing on residential streets that are in good condition to preserve them in that current condition
- Mill and overlay with pavement repair areas on arterial and collector streets

The streets that are prioritized for treatment are reviewed for potential conflicts with other current and/or future construction projects (i.e., other CIP projects, private development projects, neighboring city

projects, WSDOT projects, franchise utility projects, etc.). Moreover, potential traffic impacts based on proximity to other projects in the area. The City's annual street preservation budget is also considered to maximize the amount of preservation that can be done before the candidate streets are included in the current year's program.

In the current street preservation plan, residential streets that are not in good condition (thus are not viable candidates for slurry seal treatment) and parking lots and alley ways are not attended to except for few instances in the past when City Street Maintenance Crews were able to rehabilitate some of these assets as their workload permitted or surfacing of the lots was included as part of a renovation to the facility. As a result, residential streets, alley ways and parking lots have been deteriorating over time.

Staff proposes to modify the current practice to include rehabilitation of these assets as part of the annual street preservation program. Every year, a portion of the street preservation program fund will be used to rehabilitate or overlay two of these assets per year. Currently, 67 residential streets and 21 parking lots are assessed to be in poor or very poor condition. The rehabilitation of these assets within the present street preservation budget may affect the Street Network's overall Pavement Condition Index, but staff should be able to identify the impact of these elements separately.

The parking lot and residential street assessment is underway and will be complete in the next couple of months. The assessment will provide more information on costs for preserving or rebuilding these assets as well as surface water treatment needs.

#### ***New Potential Project – NE 145th St/84th Ave NE Intersection Safety Improvements***

A request was made at the June 16 Council meeting to have staff do an evaluation of the intersection at NE 145th Street and 84th Avenue NE for safety and traffic accident concerns with the goal of creating a CIP project for safety improvements of the intersection if warranted. Public Works Transportation evaluated the crash history at the intersection and is recommending the use of available Vision Zero Program funding to add interim improvements at this intersection to address the ongoing safety concerns. Staff is recommending installing a four-way stop at this intersection. This is the preferred approach over installing flashing beacons on the existing stop signs or installing LED flashing stop signs on the two legs that have stop signs currently. This approach will need to be coordinated with Kenmore because the north leg of the intersection is in their city. Use of the existing Vision Zero Program funds allows the project to move forward now and no new CIP project will be added to the Preliminary 2021-2026 CIP.

#### **Summary/Next Steps**

The final adoption of the 2021-2026 CIP is scheduled for December 8, 2020. Council feedback on proposed changes will be incorporated, along with any major changes based on grant awards, bid openings, etc., and brought back for further discussion at Council Study Sessions on the Budget and CIP scheduled for November 4, 10, and 17 as needed.

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							
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	1,500,000						1,500,000	750,000	750,000					
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				3,892,000	3,982,000
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	61,000				1,193,700
STC 08314	100th Avenue NE Roadway Improvements (Mid-North Section)		5,569,300	2,584,000					2,584,000	564,100	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	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		550,000	550,000	550,000	550,000	550,000	550,000	3,300,000	2,400,000	900,000					
NMC 08720	NE 131st Way/90th Ave NE Nonmotorized 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	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	
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	100,000	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	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	150,000			331,400	
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	1,508,700		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			967,000			750,000	3,158,300
PTC 00500	108th Avenue NE Transit Queue Jump - Phase II				1,893,200	2,437,900	1,309,000		5,640,100			1,143,200			750,000	3,746,900
<b>Total Funded Transportation Projects</b>		<b>21,633,300</b>	<b>16,501,000</b>	<b>20,188,400</b>	<b>19,777,300</b>	<b>12,690,100</b>	<b>8,517,000</b>	<b>10,216,000</b>	<b>87,889,800</b>	<b>23,321,400</b>	<b>16,729,000</b>	<b>4,319,500</b>	<b>3,573,200</b>	<b>1,568,500</b>	<b>20,506,000</b>	<b>17,872,200</b>

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	4,245,000
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
<b>Capacity Projects Subtotal</b>		<b>114,018,500</b>
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 Corridor	325,000
<b>Non-Capacity Projects Subtotal</b>		<b>65,752,000</b>
<b>Total Transportation Master Plan Projects Yrs 7-20</b>		<b>179,770,500</b>

**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
NMC08000	Juanita-Kingsgate Pedestrian Bridge at I-405	4,500,000
NMC 10600	Citywide CKC Connection	360,000
NMC10700	CKC to Downtown Surface Connection	2,000,000
<b>Capital Facilities Projects Not in TMP Subtotal</b>		<b>9,865,000</b>
<b>Total Capital Facilities Plan Projects Yrs 7-20</b>		<b>189,635,500</b>

**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 I-405	4,500,000
NMC 08600	Cross Kirkland Corridor Non-motorized Improvements	65,742,000
<b>NMC 087xx</b>	<b>19th Ave NE/4th St Sidewalks and Crossing of Market Street</b>	<b>2,443,500</b>
<b>NMC 087xx</b>	<b>Reflective Flashing Beacon at 106th Ave NE Crossing NE 68th St</b>	<b>134,800</b>
<b>NMC 087xx</b>	<b>NE 124th Street Sidewalk</b>	<b>462,000</b>
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
<b>Subtotal Unfunded Transportation Improvement Plan/External Funding Candidates</b>		<b>196,922,800</b>

**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

**Potential Non-Motorized Projects Under Placeholders; Not Included in Totals**

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

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

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:**

<b>Project Number</b>	<b>Project Title</b>	<b>Total</b>
SDC 04500	Carillon Woods Erosion Control Measures	600,000
SDC 04610	Regional Detention in Forbes Creek Basin Phase I	2,000,000
SDC 04699	Regional Detention in Forbes and Juanita Creek Basins	8,600,000
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
<b>Total Unfunded Surface Water Management Utility Projects</b>		<b>21,555,000</b>
<b>Funding Available from Annual Programs for Candidate Projects</b>		<b>3,000,000</b>
<b>Net Unfunded Surface Water Management Utility Projects</b>		<b>18,555,000</b>

**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

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	<i>South Reservoir Seismic &amp; Recoating Construction</i>		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				
<b>WAC 16900</b>	<b>NE 85th St and I-405 Watermain Relocation</b>		<b>4,855,000</b>	<b>1,655,000</b>					<b>6,510,000</b>	<b>5,110,000</b>	<b>1,400,000</b>			
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				
<b>Total Funded Water/Sewer Utility Projects</b>		<b>2,542,575</b>	<b>7,430,000</b>	<b>8,594,000</b>	<b>7,848,000</b>	<b>6,715,000</b>	<b>8,115,000</b>	<b>6,715,000</b>	<b>45,417,000</b>	<b>37,343,600</b>	<b>6,361,400</b>	<b>0</b>	<b>1,712,000</b>	<b>0</b>

Notes  
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**WATER/SEWER UTILITY PROJECTS****Unfunded Projects:**

<b>Project Number</b>	<b>Project Title</b>	<b>Total</b>
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
<b>Subtotal Unfunded Water/Sewer Utility Projects</b>		<b>49,033,000</b>

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**City of Kirkland  
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**PARK PROJECTS**

**Funded Projects:**

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

**Notes**

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**PARK PROJECTS**

**Unfunded Projects:**

Project Number	Project Title	Total
PKC 05610	Forbes Lake Park Trail Improvements Phase II	6,000,000
PKC 09510	Heritage Park Development - Phase III & IV	4,000,000
PKC 09700	Reservoir Park Renovation Plan	50,000
PKC 10800	McAuliffe Park Development	7,000,000
PKC 11300	Spinney Homestead Park Renovation Plan	60,000
PKC 11400	Mark Twain Park Renovation Plan	75,000
PKC 11500	Terrace Park Renovation Plan	60,000
PKC 11600	Lee Johnson Field Artificial Turf Installation	5,000,000
PKC 11902	Juanita Beach Park Development Phase II	10,000,000
PKC 12210	Community Recreation Facility Construction	75,000,000
PKC 12400	Snyder's Corner Park Site Master Plan	100,000
PKC 12600	Watershed Park Master Plan	100,000
PKC 12700	Kiwanis Park Master Plan	75,000
PKC 12800	Yarrow Bay Wetlands Master Plan	200,000
PKC 12900	Heronfield Wetlands Master Planning & Development	125,000
PKC 13100	Park & Open Space Acquisition Program	10,000,000
PKC 13510	Juanita Heights Park Master Plan	150,000
PKC 13600	Kingsgate Park Master Planning and Park Development	150,000
PKC 13800	Everest Park Restroom/Storage Building Replacement	1,800,000
PKC 13903	Totem Lake Park Development Phase II	4,000,000
PKC 13904	Totem Lake Park Development Phase III	3,000,000
PKC 14100	South Norway Hill Park Site Master Plan	150,000
PKC 14300	Marsh Park Restroom Replacement	85,000
PKC 14400	Cedar View Park Improvement Plan	50,000
PKC 14500	Environmental Education Center	200,000
PKC 14800	Forbes House Renovation & Historic Preservation Plan	50,000
PKC 14900	Taylor Playfields-Former Houghton Landfill Site Master Plan	300,000
PKC 15000	North Kirkland Community Center Renovation & Expansion Plan	75,000
<b>PKC 16400</b>	<b>Peter Kirk Park - Fencing and Drainage Improvements</b>	<b>250,000</b>
<b>PKC 16500</b>	<b>Skate Park Upgrades</b>	<b>150,000</b>
<b>PKC 16600</b>	<b>Brink Park Gun Mount Renovation</b>	<b>100,000</b>
<b>PKC 16700</b>	<b>O.O. Denny Park Improvements - Sand Volleyball</b>	<b>75,000</b>
<b>PKC 16800</b>	<b>Spray Park</b>	<b>500,000</b>
<b>PKC 16900</b>	<b>Marina Park Dock and Shoreline Renovations</b>	<b>3,000,000</b>
<b>Total Unfunded Parks Projects</b>		<b>131,930,000</b>

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" = Moved from funded status to unfunded status

~ = Partially funded project

**City of Kirkland**  
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**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
<b>FIRE</b>												
PSC 06300	<i>Air Fill Station Replacement</i>					86,200	87,900		174,100	174,100		
PSC 07100	<i>Self Contained Breathing Apparatus (SCBA)</i>				767,100	115,100		35,800	918,000	918,000		
PSC 07600	<i>Personal Protective Equipment</i>		6,800	6,900	7,100	678,500	7,300	7,500	714,100	714,100		
PSC 20000	<i>Fire Equipment Replacement</i>		43,000	8,300	28,600	27,000	29,800	77,100	213,800	213,800		
<b>POLICE</b>												
PSC 10000	<i>Police Equipment Replacement</i>		122,700	110,700	160,300	160,300	266,300	160,900	981,200	981,200		
<b>Total Funded Public Safety Projects</b>		-	<b>172,500</b>	<b>125,900</b>	<b>963,100</b>	<b>1,067,100</b>	<b>391,300</b>	<b>281,300</b>	<b>3,001,200</b>	<b>3,001,200</b>	-	-

Notes

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## Attachment A

Revised as of 8-20-2020

### Public Safety Unfunded Projects:

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

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**City of Kirkland  
2021-2026 Capital Improvement Program**

Attachment A  
Revised as of 8-20-2020

**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
<i>ITC 10000</i>	<i>Network Server and Storage Replacements</i>					<i>410,900</i>			<i>410,900</i>	<i>380,600</i>	<i>30,300</i>
<i>ITC 11000</i>	<i>Network Infrastructure</i>		<i>40,500</i>	<i>40,500</i>	<i>40,500</i>	<i>40,500</i>	<i>95,400</i>	<i>83,400</i>	<i>340,800</i>	<i>230,000</i>	<i>110,800</i>
<i>ITC 13000</i>	<i>Network Phone Systems</i>		<i>82,000</i>	<i>290,000</i>	<i>12,000</i>	<i>12,000</i>	<i>12,000</i>	<i>12,000</i>	<i>420,000</i>	<i>383,100</i>	<i>36,900</i>
<i>ITC 14000</i>	<i>Network Security</i>		<i>75,000</i>	<i>30,000</i>	<i>75,000</i>	<i>30,000</i>	<i>75,000</i>	<i>30,000</i>	<i>315,000</i>	<i>238,100</i>	<i>76,900</i>
<i>ITC 20000</i>	<i>Geographic Information Systems</i>		<i>70,000</i>	<i>100,000</i>	<i>70,000</i>	<i>135,000</i>	<i>70,000</i>	<i>100,000</i>	<i>545,000</i>	<i>381,500</i>	<i>163,500</i>
<i>ITC 50000</i>	<i>Copier Replacements</i>		<i>15,000</i>	<i>15,000</i>	<i>15,000</i>	<i>10,000</i>	<i>10,000</i>	<i>10,000</i>	<i>75,000</i>	<i>75,000</i>	<i>-</i>
<b>Total Funded General Government Projects - Technology</b>			<b>282,500</b>	<b>475,500</b>	<b>212,500</b>	<b>638,400</b>	<b>262,400</b>	<b>235,400</b>	<b>2,106,700</b>	<b>1,688,300</b>	<b>418,400</b>

Notes

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## Attachment A

Revised as of 8-20-2020

### Technology Unfunded Projects:

Project Number	Project Title	Total
ITC 00201	GIS Community Information Portal	100,000
ITC 00305	"Explore Kirkland" Redesign	75,000
ITC 00403	Tyler Content Management in EnerGov Implementation	21,000
ITC 00603	Information Technology Internal Process Improvement	251,200
ITC 00701	Fleet Management Systems Replacement	110,000
ITC 00906	Television Media Equipment Upgrade	210,000
ITC 01001	CodeSmart Court Applications Replacement Evaluation	13,600
ITC 01002	License Plate Reader for Patrol Cars	120,000
ITC 01101	WiFi in the Parks Expansion	400,000
ITC 01301	Parking Improvement Solutions Support	75,000
ITC 01401	New Technology Pilot Programs	78,800
ITC 01501	Enterprise Analytics	977,400
<b>Total Unfunded General Government Projects - Technology</b>		<b>2,432,000</b>

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**City of Kirkland  
2021-2026 Capital Improvement Program**

**Attachment A**  
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**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
<i>GGC 00800</i>	<i>Electrical, Energy Management &amp; Lighting Systems</i>		27,200	96,400	28,400	152,600	23,400	170,000	498,000		498,000		
<i>GGC 00900</i>	<i>Mechanical/HVAC Systems Replacements</i>		14,600	12,000	406,800	299,400	141,700	51,000	925,500		925,500		
<i>GGC 01000</i>	<i>Painting, Ceilings, Partition &amp; Window Replacements</i>		59,900	13,500	140,800	292,200	57,000	178,900	742,300		742,300		
<i>GGC 01100</i>	<i>Roofing, Gutter, Siding and Deck Replacements</i>		970,100		337,100	20,200	8,000	7,400	1,342,800		1,342,800		
<i>GGC 01200</i>	<i>Flooring Replacements</i>		172,500	28,400	22,700	157,900	154,700	150,000	686,200		686,200		
<b>Total Funded General Government Projects - Facilities Sinking Fund</b>		-	<b>1,244,300</b>	<b>150,300</b>	<b>935,800</b>	<b>922,300</b>	<b>384,800</b>	<b>557,300</b>	<b>4,194,800</b>	-	<b>4,194,800</b>	-	-

**Notes**

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**Note: No Unfunded Facilities Projects**