

**Surface Water Management (SWM) Capital Improvement Program
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2019 - 2024 Capital Improvement Program

SURFACE WATER MANAGEMENT

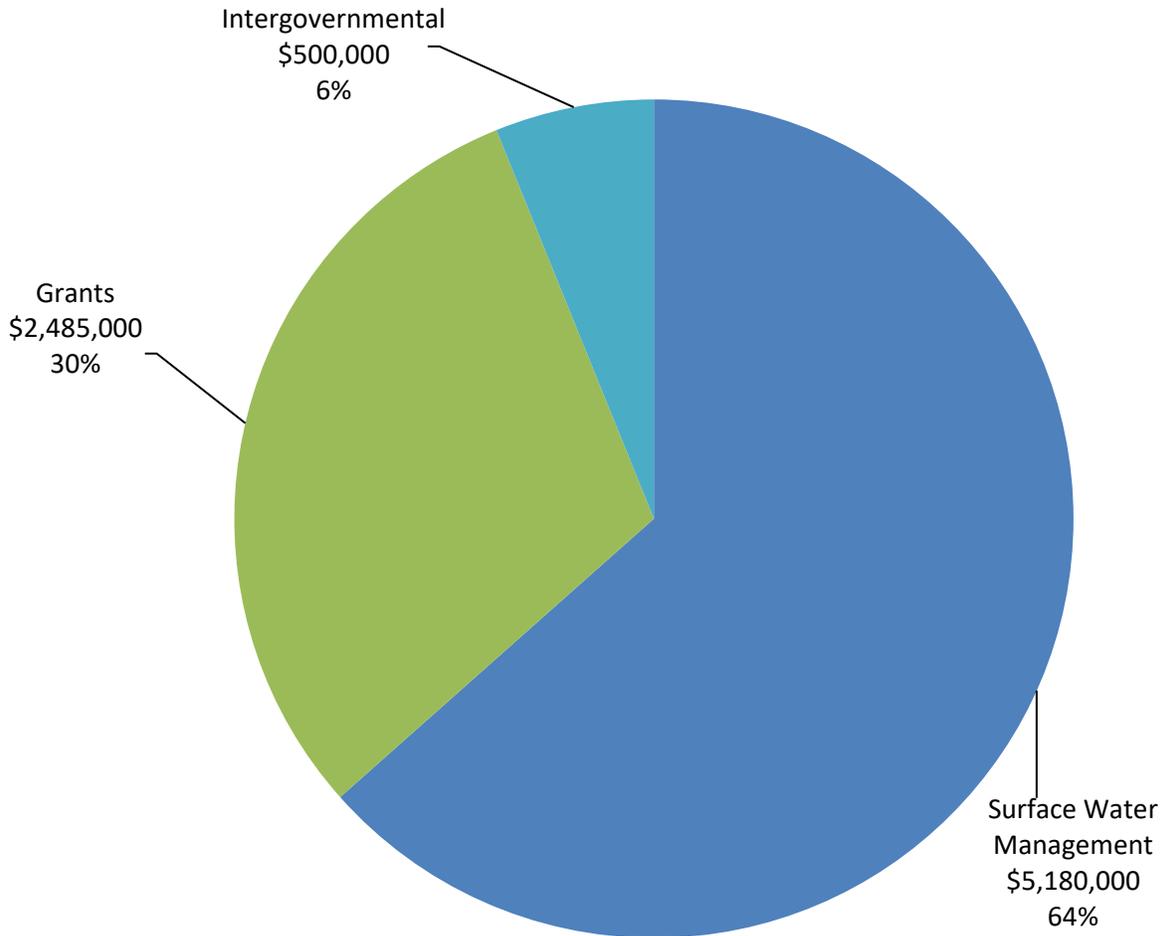
Total Project Expenditures

	Prior Years	2018	2019	2020	2021	2022	2023	2024	TOTAL PROJECT	2019-2024 Six-year CIP
SW0001 - Residential Drainage Imp. Program (RDIP)	7,103	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,107,103	1,800,000
SW0004 - SW 151st Street and 8th Ave SW Drainage Improvements	118,400	521,600	-	-	-	-	-	-	640,000	-
SW0006 - SW 165th Street Drainage Improvements	590,537	119,463	-	-	-	-	-	-	710,000	-
SW0007 - 8th Ave S. Sub-basin Retrofit Improvements	\$ 1,632,167	\$ 568,678	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,200,845	\$ -
SW0008 - King County Courthouse Stormwater Project	-	20,000	60,000	-	-	-	-	-	80,000	60,000
SW0009 - 20th Ave. S. Drainage Improvements	-	20,000	130,000	550,000	-	-	-	-	700,000	680,000
SW0010 - Cove Point Outfall Repair	1,152	48,848	170,000	-	-	-	-	-	220,000	170,000
SW0011 - Hermes Outlet Improvements	41,379	108,621	700,000	-	-	-	-	-	850,000	700,000
SW0012 - Storm Drainage Master Plan	-	150,000	20,000	-	-	-	-	-	170,000	20,000
SW0013 - Miller Creek Enhancements	-	50,000	-	3,500,000	-	-	-	-	3,550,000	3,500,000
SW0014 - Eagle Landing Park Storm Drainage Improvements	-	135,000	935,000	-	-	-	-	-	1,070,000	935,000
Staff Coordination	26,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	376,000	300,000
Total Projects	\$ 2,416,738	\$ 2,092,210	\$ 2,365,000	\$ 4,400,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 12,673,948	\$ 8,165,000

Total Project Resources

	Prior Years	2018	2019	2020	2021	2022	2023	2024	TOTAL PROJECT	2019-2024 Six-year CIP
Surface Water Management	\$ 1,183,948	\$ 1,509,368	\$ 2,365,000	\$ 1,415,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 7,873,316	\$ 5,180,000
Street Fund	50,000	-	-	-	-	-	-	-	50,000	-
Grants	1,182,790	582,842	-	2,485,000	-	-	-	-	4,250,632	2,485,000
Intergovernmental	-	-	-	500,000	-	-	-	-	500,000	500,000
Total Projects	\$ 2,416,738	\$ 2,092,210	\$ 2,365,000	\$ 4,400,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 12,673,948	\$ 8,165,000

2019 - 2024 Capital Improvement Program Surface Water Management Funding Sources \$8.2 million



**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	SW0001
Project Name:	Residential Drainage Improvement Program (RDIP)
Project Location:	Citywide.
Project Description:	Numerous gaps exist in Burien's drainage and surface water management facilities, resulting in problems that impact residential property. This project provides for smaller additions to or rehabilitation/ replacement of the City's drainage systems.

		Funded	Unfunded
Total Project Cost:	\$ 2,107,103	2,107,103	-

Account No.:	70159540
PM Task Code:	319-0004
SDMP Project No.:	
Comprehensive Plan:	Storm Water Element-Goal 2
Strategic Plan:	7.a.

Maintenance Costs:	Maintenance costs vary with each project.
Change from prior CIP:	No change.

Project Costs	Total Prior Year	2018	2019	2020	2021	2022	2023	2024	Total Project
Planning									-
Design & Engineering									-
R-O-W Acquisition									-
Construction Management									-
Construction	7,103	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,107,103
Total Project Costs	7,103	300,000	2,107,103						

Funding Sources	Total Prior Year	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management	7,103	300,000	300,000	300,000	300,000	300,000	300,000	300,000	2,107,103
									-
									-
									-
									-
Total Funding Sources	7,103	300,000	2,107,103						

**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	SW0004
Project Name:	SW 151st Street and 8th Avenue SW Drainage Improvements
Project Location:	SW 151st Street and 8th Avenue SW.
Project Description:	Provide capacity improvements to the City’s stormwater system in the vicinity of SW 151st Street and 8th Avenue SW. Phase 1 in 2013-2014 mitigated a flooding problem on private property caused by the City’s capacity issues. Phase 2 will resolve long-term capacity issues.

		Funded	Unfunded
Total Project Cost:	\$ 640,000	640,000	-

Account No.:	70459540
PM Task Code:	319-0019
SDMP Project No.:	CIP #6
Comprehensive Plan:	Storm Water Element-Goals 1, 2
Strategic Plan:	2, 7

Maintenance Costs:	No change.
Change from prior CIP:	Street name was updated from SW 152nd Street to SW 151st Street to reflect the location of the improvement.

Project Costs	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Planning									-
Design & Engineering	118,400	96,600							215,000
R-O-W Acquisition									-
Construction Mgmt		75,000							75,000
Construction		350,000							350,000
Total Project Costs	118,400	521,600	-	-	-	-	-	-	640,000

Funding Sources	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management	80,846	509,154							590,000
King Cty Flood Control Grant	37,554	12,446							50,000
									-
									-
									-
Total Funding Sources	118,400	521,600	-	-	-	-	-	-	640,000

**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	SW0006
Project Name:	SW 165th Street Drainage Improvements
Project Location:	SW 165th Street between 16th Avenue SW and 19th Avenue SW.
Project Description:	This project provides for storm conveyance and road regrading to eliminate road ponding during heavy rain. Water quality and/or low impact development (LID) elements may be included as well.

		Funded	Unfunded
Total Project Cost:	\$ 710,000	710,000	-

Account No.:	70659540
PM Task Code:	319-0021
SDMP Project No.:	
Comprehensive Plan:	Storm Water Element-Goals 1, 2
Strategic Plan:	7.a.

Maintenance Costs:	No change.
Change from prior CIP:	No change.

Project Costs	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Planning									-
Design & Engineering	79,000								79,000
R-O-W Acquisition									-
Construction Management	100,150	9,850							110,000
Construction	411,387	109,613							521,000
Total Project Costs	590,537	119,463	-	-	-	-	-	-	710,000

Funding Sources	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management	540,537	119,463							660,000
Street Fund (2015)	50,000								50,000
									-
									-
									-
									-
Total Funding Sources	590,537	119,463	-	-	-	-	-	-	710,000

**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	SW0007
Project Name:	8th Avenue South Sub-basin Retrofit Improvements
Project Location:	8th Avenue S. between S. 146th Street and S. 152nd Street.
Project Description:	Reroute an existing storm drain trunk line that runs down 8th Avenue S. in the North East Redevelopment Area (NERA) and crosses a private parcel to a new pipe within the 8th Avenue Right-of-Way. Project includes constructing water quality and flow control for this basin, as well as the portion of NERA south of State Route 518 if deemed feasible.

		Funded	Unfunded
Total Project Cost:	\$ 2,200,845	2,200,845	-

Account No.:	70759540
PM Task Code:	319-0020
SDMP Project No.:	CIP #6
Comprehensive Plan:	Storm Water Element-Goals 1, 2
Strategic Plan:	7.a.

Maintenance Costs:	No change.
Change from prior CIP:	No change.

Project Costs	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Planning									-
Design & Engineering	350,000								350,000
R-O-W Acquisition									-
Construction Mgmt	150,000	25,000							175,000
Construction	1,132,167	543,678							1,675,845
Total Project Costs	1,632,167	568,678	-	-	-	-	-	-	2,200,845

Funding Sources	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management	486,931	(1,718)							485,213
State Dept. of Ecology Grant	1,145,236	310,396							1,455,632
Port of Seattle		260,000							260,000
									-
									-
									-
Total Funding Sources	1,632,167	568,678	-	-	-	-	-	-	2,200,845

**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	SW0008
Project Name:	King County Courthouse Stormwater Retrofit
Project Location:	601 SW 149th Street (King County District Court).
Project Description:	King County will be managing this Low Impact Development retrofit project at the King County District Court property including a portion of City drainage from SW 148th Street.

		Funded	Unfunded
Total Project Cost:	\$ 80,000	80,000	-

Account No.:	70859540
PM Task Code:	319-
SDMP Project No.:	
Comprehensive Plan:	Storm Water Element-Goals 1, 2
Strategic Plan:	7.a.

Maintenance Costs:	No change.
Change from prior CIP:	Costs shown are City's share.

Project Costs	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Planning									-
Design & Engineering									-
R-O-W Acquisition									-
Construction Management									-
Construction		20,000	60,000						80,000
Total Project Costs	-	20,000	60,000	-	-	-	-	-	80,000

Funding Sources	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management		20,000	60,000						80,000
									-
									-
									-
									-
									-
Total Funding Sources	-	20,000	60,000	-	-	-	-	-	80,000

**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	SW0009
Project Name:	20th Avenue South Drainage Improvements (Between South 120th - 124th Streets)
Project Location:	20th Avenue S. between S. 120th Street and S. 124th Street.
Project Description:	Replace the existing stormwater system along 20th Avenue S. between S. 120th Street and S. 124th Street. The project includes 1,300 linear feet of a new 12 inch stormwater pipe and eight new catch basins. Water quality and/or Low Impact Development (LID) elements may be included.

		Funded	Unfunded
Total Project Cost:	\$ 700,000	700,000	-

Account No.:	70959540
PM Task Code:	319-0022
SDMP Project No.:	CIP #3
Comprehensive Plan:	Storm Water Element-Goals 1, 2
Strategic Plan:	7.a.

Maintenance Costs:	No change.
Change from prior CIP:	Construction phase moved from 2019 to 2020.

Project Costs	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Planning									-
Design & Engineering		20,000	130,000						150,000
R-O-W Acquisition									-
Construction Mgmt				80,000					80,000
Construction				470,000					470,000
Total Project Costs	-	20,000	130,000	550,000	-	-	-	-	700,000

Funding Sources	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management		20,000	130,000	550,000					700,000
									-
									-
									-
									-
Total Funding Sources	-	20,000	130,000	550,000	-	-	-	-	700,000

**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	SW0010
Project Name:	Cove Point Outfall Repair
Project Location:	SW Cove Point Road in Seahurst Park.
Project Description:	An existing stormwater outfall pipe from SW Cove Point Road is causing significant erosion to a steep slope within Seahurst Park. This project includes filling and stabilizing the area of erosion below the outfall. The site will be monitored post-project to assess ongoing stability of the repairs.

		Funded	Unfunded
Total Project Cost:	\$ 220,000	220,000	-

Account No.:	71059540
PM Task Code:	319-0023
SDMP Project No.:	
Comprehensive Plan:	Storm Water Element-Goals 1, 2
Strategic Plan:	

Maintenance Costs:	No change.
Change from prior CIP:	Project cost increased by \$45,000 and the construction phase moved from 2018 to 2019.

Project Costs	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Planning									-
Design & Engineering	1,152	48,848							50,000
R-O-W Acquisition									-
Construction Mgmt									-
Construction			170,000						170,000
Total Project Costs	1,152	48,848	170,000	-	-	-	-	-	220,000

Funding Sources	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management	1,152	48,848	170,000						220,000
									-
									-
									-
									-
Total Funding Sources	1,152	48,848	170,000	-	-	-	-	-	220,000

**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	SW0011
Project Name:	Hermes Outlet Improvements
Project Location:	Hermes Depression is located in the vicinity of SW 130th Street and 6th Avenue SW. The outlet flows from Hermes Depression east to 1st Avenue S. through several private properties.
Project Description:	This project will design and construct a new conveyance for the outlet flows from Hermes Pond that will take significant flows out of private property and keep them in the right-of-way to reach 1st Avenue South. The project includes Hermes Pond pump replacement.

		Funded	Unfunded
Total Project Cost:	\$ 850,000	850,000	-

Account No.:	71159540
PM Task Code:	319-0024
SDMP Project No.:	
Comprehensive Plan:	Storm Water Element-Goals 1, 2, 3
Strategic Plan:	2, 7

Maintenance Costs:	No change.
Change from prior CIP:	Project cost increased by \$100,000 and construction phase moved from 2018 to 2019.

Project Costs	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Planning									-
Design & Engineering	41,379	108,621							150,000
R-O-W Acquisition									-
Construction Management			100,000						100,000
Construction			600,000						600,000
Total Project Costs	41,379	108,621	700,000	-	-	-	-	-	850,000

Funding Sources	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management	41,379	108,621	700,000						850,000
									-
									-
									-
									-
Total Funding Sources	41,379	108,621	700,000	-	-	-	-	-	850,000

**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	SW0012
Project Name:	Storm Drainage Master Plan Update
Project Location:	City-wide.
Project Description:	The Storm Drainage Master Plan will be updated to include elements required in the current National Pollutant Discharge Elimination System (NPDES) Phase II Permit.

		Funded	Unfunded
Total Project Cost:	\$ 170,000	170,000	-

Account No.:	71253100
PM Task Code:	319-
SDMP Project No.:	
Comprehensive Plan:	Storm Water Element-Goals 1, 2
Strategic Plan:	7

Maintenance Costs:	Not applicable.
Change from prior CIP:	Project cost increased by \$20,000 in 2019.

Project Costs	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Planning		150,000	20,000						170,000
Design & Engineering									-
R-O-W Acquisition									-
Construction Mgmt									-
Construction									-
Total Project Costs	-	150,000	20,000	-	-	-	-	-	170,000

Funding Sources	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management		150,000	20,000						170,000
									-
									-
									-
									-
Total Funding Sources	-	150,000	20,000	-	-	-	-	-	170,000

**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	SW0013
Project Name:	Miller Creek Enhancements
Project Location:	This project is located within and adjacent to Burien's Northeast Redevelopment Area (NERA). The project area includes the section of Miller Creek near South 144th Street, South 144th Way, and Des Moines Memorial Drive South.
Project Description:	This project includes construction costs to realign a portion of Miller Creek, daylighting it from existing enclosed culverts, rebuilding, and restoring the stream channel and adjacent riparian areas, floodplains, and wetlands. It is known as Project "O" in the NERA Pilot Project, which includes design of multiple projects.

		Funded	Unfunded
Total Project Cost:	\$ 3,550,000	3,550,000	-

Account No.:	71359540
PM Task Code:	319-
SDMP Project No.:	
Comprehensive Plan:	Storm Water Element-Goals 1, 2
Strategic Plan:	

Maintenance Costs:	Maintenance costs will be approximately \$500 annually starting in 2019.
Change from prior CIP:	Construction phase moved from 2018 to 2020.

Project Costs	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Planning									-
Design & Engineering		50,000							50,000
R-O-W Acquisition									-
Construction Management				500,000					500,000
Construction				3,000,000					3,000,000
Total Project Costs	-	50,000	-	3,500,000	-	-	-	-	3,550,000

Funding Sources	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management		50,000		515,000					565,000
State Dept. of Ecology Grant (to be applied for)				2,485,000					2,485,000
Intergovernmental (City of SeaTac)				500,000					500,000
									-
									-
									-
Total Funding Sources	-	50,000	-	3,500,000	-	-	-	-	3,550,000

**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	SW0014
Project Name:	Eagle Landing Park Storm Drainage Improvements
Project Location:	This project is located at Eagle Landing Park at 14641 - 25th Avenue SW, Burien, WA 98166.
Project Description:	This project includes design and construction costs to improve the drainage at Eagle Landing Park. The project consists of the design and installation of a high-density polyethylene (HDPE) pipe to tight-line the existing open drainage through the park and connect to an existing outfall at the southern edge of the park. The project may also include improvements to the existing outfall at the south end of the park, and water quality improvements near the current outfall at the parking lot.

		Funded	Unfunded
Total Project Cost:	\$ 1,070,000	1,070,000	-

Account No.:	71459540
PM Task Code:	319-
SDMP Project No.:	
Comprehensive Plan:	Storm Water Element-Goals 1, 2
Strategic Plan:	

Maintenance Costs:	No change.
Change from prior CIP:	New project.

Project Costs	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Planning									-
Design & Engineering		135,000							135,000
R-O-W Acquisition									-
Construction Management			135,000						135,000
Construction			800,000						800,000
Total Project Costs	-	135,000	935,000	-	-	-	-	-	1,070,000

Funding Sources	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management		135,000	935,000						1,070,000
									-
									-
									-
									-
Total Funding Sources	-	135,000	935,000	-	-	-	-	-	1,070,000

**2019 - 2024 Capital Improvement Program
Surface Water Management**

Project Number:	Not applicable.
Project Name:	Staff Coordination of Surface Water Management (SWM) CIP Projects
Project Location:	Citywide.
Project Description:	This project is for salary and benefit costs of Public Works staff to plan, coordinate, and manage Surface Water Management Capital Improvement Projects (CIP).

		Funded	Unfunded
Total Project Cost:	\$ 376,000	376,000	-

Account No.:	319-00
PM Task Code:	319-
SDMP Project No.:	
Comprehensive Plan:	
Strategic Plan:	

Maintenance Costs:	Not applicable.
Change from prior CIP:	No change.

Project Costs	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Staff Coordination	26,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	376,000
Design & Engineering									-
R-O-W Acquisition									-
Construction Management									-
Construction									-
Total Project Costs	26,000	50,000	376,000						

Funding Sources	Total Prior Years	2018	2019	2020	2021	2022	2023	2024	Total Project
Surface Water Management	26,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	376,000
									-
									-
									-
									-
Total Funding Sources	26,000	50,000	376,000						

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