

Q43a- Structural Stormwater Controls Project List – Projects in Planning, Design, or Construction

Project Name	Project Type	Status	Cost Est.	Basin Area (ac)	LID Equiv. Area	LID Point Factor	RT Equiv. Area	RT Point Factor	FC Equiv. Area	FC Point Factor	Other Project Area-Ac or mi	Other Point Factor	Total SSC Program Points	Lat / Long (X,Y)	Receiving waterbody name	Comments
Natural Drainage System Partnering Program (NDS) – see specific projects below	2	Various	80.2M (total program – see specific projects below)	41.3 EIA (total project – see specific projects)	NA	NA	NR	NR	NR	NR	NA	NA	NA	Various	Longfellow Creek, Pipers Creek, Thornton Creek	Construct bioretention in MS4 basins that drain to Pipers, Thornton, and Longfellow Creeks along about 4 miles of right-of-way. \$6.85M (9%) from King County Flood Control District grant. Effective Impervious Area (EIA) treated is being reported at this time as it is the metric used for project development.
Longfellow NDS	2	Construction	16.0M	6.0 EIA	NA	NA	NR	NR	NR	NR	NA	NA	NR	47.531889, -122.363256	Longfellow Creek	This project is constructing bioretention in the ROW at three project sites to manage a total of 6 acres of effective impervious area (EIA). This project is being built in partnership with Seattle’s Department of Transportation (SDOT) to also include pedestrian mobility and safety improvements. \$3.95M from King County Flood Control District grant. Construction is expected to be complete by the end of 2024. The project is located in an overburdened community.
Holden NDS	2	Planning	2.9M	1.6 EIA	NA	NA	NR	NR	NR	NR	NA	NA	NR	47.533665, -122.355140	Longfellow Creek	This project will construct bioretention in the ROW to manage a total of 1.6 acres of EIA at one site. This project will also provide traffic calming in priority areas for SDOT and the community. This project anticipates reaching the Notice to Proceed milestone in Q4 2024. This project was not eligible for SSC Program Points due to “Planning” project status as of 12/31/2022 (when minimum SSC points were to be achieved per S5.C7.d).
Broadview/12 th Ave NW NDS	2	Design	4.0M	4.0 EIA	NA	NA	NR	NR	NR	NR	NA	NA	NR	47.722363, -122.359658	Pipers Creek	This project will construct bioretention in the ROW along 3 blocks to manage a total of 4 acres of EIA. This project anticipates reaching the Notice to Proceed milestone in Q3 2024.
Pipers Creek NDS	2	Planning	15.0M	5.0 EIA	NA	NA	NR	NR	NR	NR	NA	NA	NR	Various, NR	Pipers Creek	This project will construct bioretention in the ROW along 5-6 blocks to manage a total of 5 acres of EIA. This project is just starting to work through the Options Analysis step. This project was not eligible for SSC Program Points due to “Planning” project status as of 12/31/2022 (when minimum SSC points were to be achieved per S5.C7.d).

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South Thornton NDS	2	Construction	20.7M	13.3 EIA	NA	NA	NR	NR	NR	NR	NA	NA	NR	47.706330, -122.304362	Thornton Creek	This project will construct bioretention in the ROW at 4 project sites to manage a total of 13.3 acres of EIA. Funding includes \$2.9M from King County Flood Control District grant and 12M in State Revolving Fund and Emerging Contaminant Fund loans from Ecology, including \$5.3M as a Forgivable Principal loan.
North Thornton NDS	2	Planning	19.8M	8.5 EIA	NA	NA	TBD	NR	NR	NR	NA	NA	NR	Various, NR	Thornton Creek	This project will construct bioretention in the ROW at 2 project sites to manage 8.5 acres of EIA. This project anticipates reaching the Notice to Proceed timeline in Q2 2026. A portion of this project will be located in an overburdened community. This project was not eligible for SSC Program Points due to "Planning" project status as of 12/31/2022 (when minimum SSC points were to be achieved per S5.C7.d).
30 th Ave NE Sidewalk and NDS	2	Completed/Maintenance	1.3M	1.9 EIA	NA	NA	NR	NR	NR	NR	NA	NA	NR	47.722889, -122.296425	Thornton Creek	This project constructed bioretention along 3 long blocks in partnership with SDOT to also build sidewalks along the same blocks. Construction was completed in 2019. This project manages 1.9 acres of EIA.
12 th Ave NE Sidewalk and NDS	2	Completed/Maintenance	0.5M	1.0 EIA	NA	NA	NR	NR	NR	NR	NA	NA	NR	47.713439, -122.315273	Thornton Creek	This project constructed bioretention along 1 long block in partnership with SDOT to also build sidewalks along the same block. Construction was completed in 2020. This project manages 1.0 acres of EIA.
Green Infrastructure in Urban Villages Program (UVP) – see specific projects below	2	Planning	\$25M	46 acres	NR	NR	NR	NR	NR	NR	NR	NR	NA	Various, TBD	Various (Citywide program for urban villages and urban centers)	Capital program focused on upgrading drainage and wastewater infrastructure in high growth urban neighborhoods, using GSI. Emphasis on development partnerships and multiple community benefits. Includes projects in creek basins.

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UVP: 17th Ave NW Stormwater Improvements	2	Design	\$14M	20 acres EIA	NR	NR	NR	NR	NR	NR	NR	NR	NR	47.692445, -122.378979	Puget Sound	Capital project will reduce street flooding and sewer backup risks. Green and gray infrastructure improvements on a neighborhood greenway street to improve capacity and decrease flow volume – includes bioretention and UICs. Project is beginning design in Q1 2024.
UVP: Chief Sealth Trail GSI	2	Design	\$3.8M	7.8 acres EIA	NR	NR	NR	NR	NR	NR	NR	NR	NR	47.531506, -122.283422	Lake Washington	Capital project to build regional bioretention facility managing runoff from an uphill residential catchment. Water quality treatment, with benefits to Lake Washington. Project began design Q3 of 2023.
UVP: Lake City Floodplain Park	9	Design	\$2.65M (SPU) \$7M (all partners)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	47.719522, -122.303422	Thornton Creek	Joint acquisition and development partnership with Seattle Parks, design partnership with Mid Sound Fisheries Enhancement. Floodplain reconnection, hyporheic water quality treatment, and public open space on the north branch of Thornton Creek. Project began design Q4 of 2023.
UVP: Roxhill Wetland Flow Reroute	2	Planning	\$6M	18 acres EIA	NR	NR	NR	NR	NR	NR	NR	NR	NR	47.519472, -122.367911	Roxhill Wetland, Longfellow Creek	Partnership with community NGOs to restore a historic wetland at headwaters of Longfellow Creek. SPU's portion of the project is rerouting MS4 flows into the wetland and provide water quality treatment to the MS4 flow prior to discharging to wetland. This project was not eligible for SSC Program Points due to "Planning" project status as of 12/31/2022 (when minimum SSC points were to be achieved per S5.C7.d).
Longfellow Starts Here	2	Planning	NR	NR	NA	NA	NR	NR	NR	NR	NR	NR	NR	Various, NR	Longfellow Creek	This project will construct Green Stormwater Infrastructure (GSI) in the Longfellow basin as part of the larger goal to reduce CSOs to Longfellow Creek and provide treatment to the stormwater discharges to Longfellow creek. A portion of this project will be located in an overburdened community. This project was not eligible for SSC Program Points due to "Planning" project status as of 12/31/2022 (when minimum SSC points were to be achieved per S5.C7.d).

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Longfellow Creek Floodplain Reconnection	9	Planning	\$10M	TBD	NR	NR	NR	NR	NR	NR	NR	NR	NR	Various, TBD	Longfellow Creek	<p>Project is evaluating 5 floodplain reconnection sites between SW Genesee and Sylvan Way SW. Project anticipates improved habitat, flow control and water quality benefits. \$1M in funding from King County.</p> <p>This project was not eligible for SSC Program Points due to "Planning" project status as of 12/31/2022 (when minimum SSC points were to be achieved per S5.C7.d).</p>
Street Sweeping for Water Quality 2023	11	Completed/Maintenance	\$1.4M	NA	NA	NA	NA	NA	NA	NA	679 curbed lane-miles	NU	3,555 (not included in SSC points per S5.C.7.d)	City-wide	Lake Washington, Lake Union, Ship Canal/Salmon Bay, Puget Sound, Duwamish Waterway, Longfellow Creek, Pipers Creek, Thornton Creek	<p>High efficiency sweeping of arterial roadways in MS4. In 2023, swept 14,790 broom-miles to pick up 2,880 wet tons containing approximately 187 dry tons TSS equivalent and attached pollutants. Swept 46 individual curbed, scheduled routes for a total of 14,646 scheduled curb-miles in the MS4 at an average frequency of 37 times/year (range of 5 to 76 times/year). Total costs include \$1.9M for sweeping operations and \$227k for program management of which approximately 64% supports the water quality portion of the program.</p> <p>SSC points noted in this row are provided for interest only because, per S5.C.7.d, the minimum SSC points were required to be achieved by 12/31/2022.</p> <p>For each route, SSC points were calculated using: the 2019 Permit's formula: $0.25 \times (\text{curb-miles} \times (\# \text{ events} - 1))$.</p>
Street Sweeping for Water Quality 2022	11	Completed/Maintenance	1.5M	NA	NA	NA	NA	NA	NA	NA	629 curb miles	NU	2,290*	City-wide	Lake Washington, Lake Union, Ship Canal/Salmon Bay, Puget Sound, Duwamish Waterway, Longfellow Creek, Pipers Creek, Thornton Creek	<p>High efficiency sweeping of arterial roadways in MS4. In 2022, swept 9,960 broom-miles to pick up 1,950 wet tons containing 164 dry tons TSS equivalent and attached pollutants. Swept 43 individual routes for a total of 9,544 curb-miles in the MS4 at an average frequency of 24 times/year (range of 1 to 45 times/year). For each route, points were calculated using: $0.25(\text{curb-miles} \times (\# \text{ events} - 1))$.</p> <p>*Note: In late 2023, the City identified an unintentional error in the calculation of SSC points gained from implementing the street sweeping program. Points reported in the earlier Annual Report tables should have been multiplied by 0.25 (the SSC Point Multiplier listed in the 2019 Permit's Appendix 12). The Total SSC Program Points documented in this table now reflect the correct SSC point value that the City achieved through the street sweeping program each year. Total SSC Program points calculated using the corrected equation still exceeded the minimum required SSC Program Points by December 31, 2022 (per S5.C.7.d).</p> <p>A portion of this project is part of the implementation of the Ecology-approved Lower Duwamish Waterway (LDW) Source Control Adaptive Management Plan</p> <p>A portion of this project is located in an overburdened community.</p>
Street Sweeping for Water Quality 2021	11	Completed/Maintenance	1.7M	NA	NA	NA	NA	NA	NA	NA	657 curb miles	NU	2,826*	City-wide	Lake Washington, Lake Union, Ship Canal/Salmon Bay, Puget Sound, Duwamish Waterway, Longfellow Creek, Pipers Creek, Thornton Creek	<p>High efficiency sweeping of arterial roadways in MS4. In 2021, swept 12,100 broom miles to pick up 2,790 wet tons containing 183 dry tons TSS equivalent and attached pollutants. Swept 46 separate routes with a total of 657 curb miles in the MS4 at an average frequency of 25 times/year (range of 1 to 54 times/year). For each route, points were calculated using: $0.25(\text{curb miles} \times (\# \text{ events} - 1))$.</p> <p>A portion of this project is part of the implementation of the Ecology-approved Lower Duwamish Waterway (LDW) Source Control Adaptive Management Plan</p> <p>A portion of this project is located in an overburdened community.</p>

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Street Sweeping for Water Quality 2020	11	Completed/Maintenance	1.5M	NA	NA	NA	NA	NA	NA	NA	658 curb miles	NU	2,395*	City-wide	Lake Washington, Lake Union, Ship Canal/Salmon Bay, Puget Sound, Duwamish Waterway, Longfellow Creek, Pipers Creek, Thornton Creek	<p>High efficiency sweeping of arterial roadways in MS4. Swept 10,020 broom miles to pick up 2,200 wet tons containing 153 dry tons TSS equivalent and attached pollutants. Swept 42 separate routes with a total of 658 curb miles in the MS4 at an average frequency of 28 times/year (range of 1 to 45 times/year). For each route, points were calculated using: 0.25(curb miles x (# events – 1)).</p> <p>A portion of this project is part of the implementation of the Ecology-approved Lower Duwamish Waterway (LDW) Source Control Adaptive Management Plan</p> <p>A portion of this project is located in an overburdened community.</p>
Street Sweeping for Water Quality 2019	11	Completed/Maintenance	1.6M	NA	NA	NA	NA	NA	NA	NA	625 curb miles	NU	3,430*	City-wide	Lake Washington, Lake Union, Ship Canal/Salmon Bay, Puget Sound, Duwamish Waterway, Longfellow Creek, Pipers Creek, Thornton Creek	<p>High efficiency sweeping of arterial roadways in MS4. There are 40 separate routes with a total of 625 curb miles in the MS4. Routes are swept at a frequency between 2 to 54 times/year with an average frequency of 28 times/year. For each route, points were calculated using: 0.25(curb miles x (# events – 1)).</p> <p>A portion of this project is part of the implementation of the Ecology-approved Lower Duwamish Waterway (LDW) Source Control Adaptive Management Plan</p> <p>A portion of this project is located in an overburdened community.</p>
South Park Water Quality Project	2	Planning	53M	230	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	47.535 / -122.325	Duwamish Waterway	<p>Runoff treatment of an industrial/commercial/high density residential basin</p> <p>This project is part of the implementation of the Ecology-approved Lower Duwamish Waterway (LDW) Source Control Adaptive Management Plan</p> <p>The project is located in an overburdened community.</p> <p>This project was not eligible for SSC Program Points due to "Planning" project status as of 12/31/2022 (when minimum SSC points were to be achieved per S5.C7.d).</p>

NA – not applicable, NU – not utilized, NR – not reported at this time

Project Status is reported as either Planning (<60% Design), Design (>60% Design), Construction, or Completed/Maintenance