



**CITY COUNCIL MEETING
STAFF REPORT**

Meeting Date: November 6, 2023		Subject: Stormwater Master Plan Update – Executive Summary and CIP	
		Staff Member: Kerry Rappold, Natural Resources Manager	
		Department: Community Development	
Action Required		Advisory Board/Commission Recommendation	
<input type="checkbox"/> Motion <input type="checkbox"/> Public Hearing Date: <input type="checkbox"/> Ordinance 1 st Reading Date: <input type="checkbox"/> Ordinance 2 nd Reading Date: <input type="checkbox"/> Resolution <input checked="" type="checkbox"/> Information or Direction <input type="checkbox"/> Information Only <input type="checkbox"/> Council Direction <input type="checkbox"/> Consent Agenda		<input type="checkbox"/> Approval <input type="checkbox"/> Denial <input type="checkbox"/> None Forwarded <input checked="" type="checkbox"/> Not Applicable Comments: N/A	
Staff Recommendation: Review and provide comment on the Executive Summary and Capital Improvement Program (CIP) for the Stormwater Master Plan update.			
Recommended Language for Motion: N/A			
Project / Issue Relates To:			
<input type="checkbox"/> Council Goals/Priorities:	<input checked="" type="checkbox"/> Adopted Master Plan(s): Stormwater Master Plan	<input type="checkbox"/> Not Applicable	

ISSUE BEFORE COUNCIL:

In advance of the draft Stormwater Master Plan (SMP) update, staff and the consultant will present the Executive Summary and Capital Improvement Program (CIP) for the SMP.

EXECUTIVE SUMMARY:

In 2012, the City adopted the Stormwater Master Plan, which provided an update to the previous Master Plan adopted in June 2001. There have been changes in land use (e.g., Urban Growth Boundary (UGB) expansion areas) and new stormwater management requirements (i.e., National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit) that need to be addressed as part of the update. The City ultimately seeks an integrated approach to stormwater and watershed management that will result in the development of management solutions and policies that maintain, restore and enhance local watersheds and meet engineering, environmental and land use needs.

In 2021, a virtual open house and survey were conducted to gather feedback from the community about the proposed SMP. Ninety (90) respondents provided input on existing conditions (e.g., water quality of streams and flooding issues) related to the stormwater system and how they rate the level of service (e.g., maintenance of system and public education). Overall, the respondents felt the City was doing a good job in regards to managing the public stormwater system.

Since 2021, the consultant team has been working on extensive data collection, problem area identification, assessment, and modeling of the stormwater system, retrofit analysis, CIP projects, and developing the policies and that will guide the implementation of the SMP. The executive summary provides an overview of the SMP and includes the following new elements that will be incorporated into the draft SMP:

1. An analysis of the City's NPDES MS4 permit (i.e., stormwater permit issued by the Oregon Department of Environmental Quality) and Total Maximum Daily Loads (TMDL) Implementation Plan (i.e., a plan to address bacteria, mercury and temperature as required by Oregon Department of Environmental Quality (DEQ)) to determine the appropriate management and project objectives in the SMP.
2. Stream surveys (segments of Boeckman Creek, Meridian Creek, Arrowhead Creek, and streams in the Frog Pond Planning Area) to assess the geomorphic condition (e.g., bank erosion, and grade control, such as beaver dams) of stream channels due to hydromodification (i.e., the impact of urban stormwater runoff).
3. A staffing analysis to determine the current and future needs related to operating and maintaining the public stormwater system, including the implementation of future programmatic responsibilities and CIP projects.

The Capital Improvement Program addresses the variety of issues and problems associated with the City's public stormwater system and represent a critical piece in the overall management of the system. Projects have been developed, and will be prioritized, to address the capacity, condition, and maintenance of the system, and improvements associated with water quality and hydromodification. In addition to the identified CIP projects, stormwater programs, such as a porous pavement and green street pilot program, were identified to address regulatory drivers and support proactive system maintenance.

On October 11, 2023, staff presented the Executive Summary and the CIP at a Planning Commission work session. The Commissioners were supportive of the proposed concepts, programs, and projects in the SMP.

EXPECTED RESULTS:

The SMP will include goals and policies, data gathering, surveying, system condition assessment, hydraulic modeling, area specific studies, retrofit analysis, Capital Improvement Program, fee in lieu of construction program, and draft and final versions of the Plan. The recommended capital improvements will provide the basis for an analysis of storm rates and system development charges (SDCs) that are necessary to fund the projects needed to meet permit requirements and the City’s storm water management needs.

TIMELINE:

The project team will incorporate feedback received by both the Planning Commission (October 11, 2023 work session) and the City Council (November 6, 2023 work session) into the Plan. Final SMP adoption is anticipated for the first quarter of 2024.

CURRENT YEAR BUDGET IMPACTS:

The amended fiscal year 2023-2024 Budget for CIP#7064 includes \$77,425 in storm operations and system development charge funds. The budget is sufficient to complete the remaining work to update and adopt the SMP.

COMMUNITY INVOLVEMENT PROCESS:

The consultant team prepared a public engagement plan for outreach to interested members of the community and businesses potentially affected by the SMP. The Public Engagement Plan incorporated the City’s existing public engagement tools, including Let’s Talk Wilsonville and the Boones Ferry Messenger. A survey was conducted to provide information and solicit feedback from the public related to the project scope and activities. The forthcoming Storm System Rate Study and SDC Update will also include a public engagement process with outreach to utility customers and the development community.

POTENTIAL IMPACTS OR BENEFIT TO THE COMMUNITY:

The SMP will benefit the community by providing goals and policies and an updated Capital Improvement Program to serve a growing population and meet environmental regulations.

ALTERNATIVES:

The project team considered and evaluated numerous alternatives to provide the needed storm drainage improvements necessary to meet the City’s system management needs and permit requirements. The recommended capital improvement program implements the needed improvements in a way that is efficient and cost effective.

CITY MANAGER COMMENT:

N/A

ATTACHMENTS:

1. Stormwater Master Plan Executive Summary
2. Capital Improvement Program