

City Council Agenda Item Memo

From: Charlie Richter, City Engineer

Council Meeting: August 13, 2024

Subject: Acceptance of Master Drainage Plan

Presenter: John R. Thompson, Public Works Director
Charlie Richter, City Engineer

Summary:

The Stormwater Master Plan Committee, Public Works, and the City's consultant, ISG, worked over the past 3 years to update the City of Brookings Master Drainage Plan (Plan). The draft Plan was presented to City Council at the November 21, 2023 Study Session and is now being presented as a final plan, for acceptance as a guiding document in future improvements to the City's stormwater infrastructure. Staff recommends approval.

Item Details:

The current Master Drainage Plan was developed in 2008 by Ecological Resource Consultants, Inc. The 2008 plan focused on flooding issues throughout the City including: modeling of the stormwater system for the City; development of possible capital improvement projects; and cost estimation. Since 2008, the City has implemented several of the flood protection projects listed in the 2008 plan. In addition, development within the City has added storm water basins and infrastructure. The changes since the original plan was adopted, as well as improved modeling techniques, and the desire to revise standards, the stormwater fee, and integration of green infrastructure, spurred an effort to update the now outdated plan.

In August 2021, the City contracted with ISG, to develop a 10-year Master Drainage Plan. The scope of the work included: modeling of the City's existing stormwater infrastructure; identification of flooding issues; evaluation of potential solutions to the flooding issues, including cost estimation; revision to the City's prioritization process; improvements to the stormwater standards, and maintenance recommendations; stormwater fee analysis; and public engagement and outreach.

To achieve these objectives, the consultant collected and analyzed data from a variety of sources including multiple public meetings, an online survey, and several Stormwater Master Plan Committee meetings.

The final Plan, as presented today, will be utilized as a resource and road map to guide the City's operations and maintenance of stormwater infrastructure and future capital improvement investments.

The Plan includes:

- New flood mapping using rain-on-grid technology;
- Summary of public engagement events;
- Recommended projects and revised project prioritization, based on community feedback;
- Recommendations for improving stormwater maintenance efficiency;
- Recommendations for updating the stormwater fee structure to improve equity and ensure that the City has the dedicated funding for operations and maintenance, public education, and capital improvements; and
- Recommendations for stormwater development standards.

Legal Consideration:

None.

Strategic Plan Consideration:

- Fiscal Responsibility – The City of Brookings will responsibly manage resources through transparency, efficiency, equity, and exceptional customer service.
- Safe, Inclusive, Connected Community – The City of Brookings will create an environment for inclusive programs, gathering places, and events where the community can safely live, work and come together to participate in opportunities for learning, recreation and enjoyment.
- Service and Innovation Excellence – The City of Brookings will provide an accessible environment committed to ongoing innovation and outstanding service through listening and engagement.
- Sustainability – The City of Brookings will meet environmental, community and economic desires and needs without compromising future generations' quality of life by strategically planning, implementing and maintaining infrastructure and facilities.
- Economic Growth – The City of Brookings will support effective diversified community investment and equitable opportunities for prosperity.

Financial Consideration:

The proposed 2025 Fiscal Year budget includes recommendations from the Plan, including capital projects. The projects identified in the 2025 Fiscal Year budget are pending approval of the storm drainage fee revision.

Supporting Documentation:

Executive Summary
Presentation