THE CITY OF BURLESON TEXAS

Department Memo

Infrastructure & Development Committee

DEPARTMENT: **City Manager's Office**

FROM: **Janalea Hembree, Director of Strategy and Innovation**

MEETING: **November 9, 2026**

SUBJECT:

Receive a report, hold a discussion, and provide staff direction regarding the development of the Water and Wastewater Asset Management Plan. *(Staff Contact: Janalea Hembree, Director of Strategy and Innovation)*

STRATEGIC PRIORITY AND GOAL(S):

Strategic Priority	Strategic Goal
Dynamic & Preferred City Through Managed Growth	2.2 Promote sustainable residential and commercial development through strategic and long-term planning

SUMMARY:

The City of Burleson continues to advance its Asset Management Program through the development of a Water and Wastewater Asset Management Plan (AMP). In April 2025, City Council considered a professional services agreement with Freese and Nichols, Inc. (FNI) to develop a comprehensive plan for evaluating the condition, risk, and long-term replacement needs of the City's water distribution and wastewater collection systems.

The Water and Wastewater AMP builds upon the City's existing Pavement Management Program by incorporating underground infrastructure into the Cartegraph Enterprise Asset Management System. This approach will provide staff with additional tools to evaluate infrastructure conditions, prioritize improvements, and make data-driven decisions regarding future infrastructure investments.

The project includes the following key components:

- **Risk and Condition Assessments:** Evaluating water and wastewater infrastructure based on asset material, age, maintenance history, performance, and associated risks.

- **Infrastructure Renewal Planning:** Developing short-term and long-term strategies for maintenance, rehabilitation, and replacement of water and wastewater assets.

- **Cartegraph Integration:** Incorporating asset condition assessments, risk scoring, and renewal scenarios into the City's existing asset management system.

- **Coordinated Infrastructure Planning:** Developing a coordinated infrastructure renewal decision tree to align water and wastewater improvements with planned roadway maintenance and rehabilitation projects.

A significant component of this initiative is improving coordination between underground utility replacements and roadway improvements. By evaluating water, wastewater, and pavement infrastructure together, the City can identify opportunities to complete underground utility improvements before scheduled roadway rehabilitation. This coordinated approach will help minimize repeated construction activities, reduce unnecessary pavement disturbances, and maximize the City's infrastructure investments.

RECOMMENDATION:

N/A

PRIOR ACTION/INPUT (Council, Boards, Citizens):

N/A

REFERENCE:

N/A

FISCAL IMPACT:

N/A

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