



MEMORANDUM

PUBLIC WORKS

To: Municipal Drainage Advisory Committee

From: Public Works

Date: 1/20/2026

Subject: Rawhide Creek Bank Reconstruction update

Background

In 2020, Freese and Nichols, Inc. performed a visual assessment of stormwater infrastructure along a 1.8-mile segment of Rawhide Creek. The results of this assessment were documented in the Rawhide Creek Infrastructure Assessment Final Technical Memorandum, dated December 18, 2020. The assessment area extended from Valley View Lane to Webb Chapel Road. The purpose of the assessment was to identify damaged infrastructure in need of repair or replacement.

From this evaluation, several projects were identified that required repair work, including the repair of bank erosion at multiple locations between Josey Lane and Tom Field Lane. Erosion behind gabion walls along both the left and right banks of the channel was observed, with steep drops in terrain elevations adjacent to the gabion channel lining.

The Public Works Department moved to prepared plans and specifications for the reconstruction of failed gabion bank protection along approximately 900 linear feet of both channel banks. Additional protection will also be incorporated into the reconstruction of three existing drop structures along Rawhide Creek between Josey Lane and Tom Field Lane to address the ongoing erosion issues.

These plans will address erosion issues that are separate from the flooding concerns along Rawhide Creek, which will be studied as part of the proposed new master drainage study.

Progress so far

The Public Works Department entered into a professional services agreement with Freese and Nichols, Inc. (FNI) for the design of the Rawhide Creek Bank Reconstruction project. The scope includes plans and specifications to repair failed gabion bank protection, development of up to three conceptual cross-section alternatives for bank stabilization, and reconstruction with added protection at three existing drop structures.

FNI began the project with a review of existing information, and a kickoff meeting was held on January 15, 2026, with Public Works and Parks staff. A site visit is planned for February, followed by survey and geotechnical investigations.