

MEMORANDUM

To: Mayor and City Council Members
Steve Parker, City Manager

From: Melissa Reynolds, P.E., CFM – Director of Engineering & Capital Projects

Through: Rick Cortes, Deputy City Manager

Subject: Walnut Springs Spillway Repair & Bank Stabilization Preliminary Engineering Study Presentation

Date: July 2, 2024

The Walnut Branch Spillway located just north of Nolte Street in Walnut Springs Park experienced damage during heavy rain events in 2021. Sediment has accumulated at the spillway, and it appears that the water in Walnut Branch now travels beneath the existing spillway structure, and the creek embankment has been compromised on the northeast side such that a large tree fell onto the spillway, causing further degradation of the embankment. Existing bank stabilization materials (limestone blocks) along the banks of Walnut Branch north and south of Nolte Street have also failed and fallen into the creek.

In June 2023, City Council awarded a Task Order Professional Services Agreement from our IDIQ to HDR Engineering, Inc. for Walnut Springs Spillway Repair and Bank Stabilization Preliminary Engineering Report. The goal of the task order was to develop preliminary design report with options to address these failures with enough detail to use in final design along with opinions of probable engineering and construction costs as well as outlining appropriate permitting procedures with a proposed project timeline. This will enable the City to perform more detailed planning and help guide design decisions and determine whether additional work should be included outside the proposed project's boundaries.

Staff along with the consultant will present on the studies findings, provide a proposed path forward, and will be available to answer any questions at the July 2nd, 2024 City Council meeting.