



Legislation Text

File #: Res. 2018-221R, **Version:** 1

AGENDA CAPTION:

Consider approval of Resolution 2018-221R, authorizing an engineering contract with HDR Engineering for the evaluation and recommendations to correct existing drainage problems at five (5) specific locations including Crockett Elementary, Fire Station Number 1 Drain, Harper Driver and River Road, S. LBJ Drive at Willow Springs Bridge Repair and Water Quality Improvement #51 in an amount estimated at \$111,925; authorizing the City Manager to execute said agreement; and declaring an effective date.

Meeting date: December 4, 2018

Department: Engineering/CIP - Laurie Moyer, Director (by Lynda Williams, Purchasing Manager).

Amount & Source of Funding

Funds Required: \$111,925

Account Number: C618

Funds Available: \$1,000,000

Account Name: Drainage Debt Funded-Various Drainage

Fiscal Note:

Prior Council Action: Approval of FY 17, 18 & 19 Capital Improvement Program

City Council Strategic Initiative: [Please select from the dropdown menu below]

Stormwater

Choose an item.

Choose an item.

Comprehensive Plan Element (s): [Please select the Plan element(s) and Goal # from dropdown menu below]

☐ Economic Development - Choose an item.

☒ Environment & Resource Protection - Population Prepared for and resilient to Man-Made & Natural Disasters

☒ Land Use - Direct Growth, Compatible with Surrounding Uses

☐ Neighborhoods & Housing - Choose an item.

☐ Parks, Public Spaces & Facilities - Choose an item.

☐ Transportation - Choose an item.

☐ Not Applicable

Master Plan: *[Please select the corresponding Master Plan from the dropdown menu below (if applicable)]*

Stormwater Master Plan

Background Information:

The professional services to be performed by HDR Engineering will consist of evaluating and developing recommendations to correct existing drainage problems at five (5) specific locations. The five project sites include:

1. Crockett Elementary
2. Fire Station Number 1 Drain
3. Harper Drive and River Road
4. S LBJ Drive at Willow Springs Bridge Repair
5. Water Quality Improvement #51 (just south of S LBJ Drive and Willow Springs)

These projects are part of an on-going yearly effort to address identified drainage problem areas considered to be site specific or cover small areas. Services will include evaluating the problem including a hydrologic and hydraulic analysis, develop alternatives to correct the problem, and preparing a technical memorandum summarizing findings including recommendations and an opinion probable construction cost. HDR understands recommendations from the technical memorandum are anticipated to proceed to design and construction phases, which requires future authorization.

Major tasks include:

- Task1 - Project Management
- Task 2 - Data Collection
- Task 3 - Existing Conditions Analysis
 - a. Hydrologic Analysis
 - b. Hydraulic Analysis
 - c. Assessment for Compliance with Criteria
- Task 4 - Alternative Analysis
 - a. Correct Identified Problem
 - b. Downstream Impact Analysis
- Task 5 - Constraints Development
 - a. Utilities
 - b. Environmental & Permitting Requirements
 - c. ROW/Easement Requirements
- Task 6 - Opinion of Probable Cost (Estimate)
- Task 7 - Technical Memorandum

Council Committee, Board/Commission Action:

Click or tap here to enter text.

Alternatives:

Click or tap here to enter text.

Recommendation:

Staff recommends award of a professional services agreement with HDR Engineering in the amount of \$111,925.