



CITY COUNCIL WORKSHOP

CITY OF FAIR OAKS RANCH, TEXAS

March 16, 2023

AGENDA TOPIC: Drainage CIP Update

DATE: March 16, 2023

DEPARTMENT: Public Works Department

PRESENTED BY: Grant Watanabe, P.E., Director of Public Works & Engineering Services
Troy Dorman, P.E., Director of Water Resources, Halff Associates, Inc.
Byron Sanderfer, P.E., Central Region Public Works Director, Ardurra Group, Inc.
Steven Dean, P.E., Vice President for Water Resources, Pape-Dawson Engineers, Inc.

PURPOSE:

The purpose of this workshop is to provide an update on current drainage CIP projects and to obtain guidance on way ahead. Several level-of-service alternatives (i.e. 5-yr, 10-yr, 25-yr storm) were evaluated for each project and estimated costs are significantly higher than current budget amounts. Staff seeks guidance on preferred options/alternatives before proceeding with full design and bid package preparation.

INTRODUCTION/BACKGROUND:

In 2019, the City approved a Master Drainage Plan that included 46 projects prioritized by a stakeholders committee. Top priority projects were included as part of the 5-yr Drainage Capital Improvements Plan and funds were budgeted in FY21-22 (design) and FY22-23 (design/construction). This workshop will focus primarily on the following ongoing projects:

- Silver Spur Low Water Crossing (CIP#17)
- Rolling Acres Trail Low Water Crossing (CIP#5)
- Tivoli Way (CIP#34)

The presentation tonight will provide a summary of the drainage area analysis, scenario modeling results, estimated construction costs for various options/alternatives, and consultant recommendations. Several level-of-service alternatives (i.e. 5-yr, 10-yr, 25-yr storm) were evaluated for each project. Due to recent updates to design storm frequency and depths by the National Oceanic and Atmospheric Administration and current market conditions, estimated construction costs are significantly higher than current budget amounts. A summary of current budget vs estimated cost is included as part of this presentation. Staff will be seeking guidance on preferred options/alternatives for each project before proceeding with full design and bid package preparation.

Depending on the guidance provided, funds may be reallocated between SAP projects without taking formal Council action. If additional SAP funds are necessary, staff will bring back a budget amendment for future Council consideration along with potential funding options.

POLICY ANALYSIS/BENEFIT(S) TO CITIZENS:

- Supports Strategic Action Plan items for Responsible Growth Management and Reliable and Sustainable Infrastructure.
- Enhances the health, safety, and welfare of Fair Oaks Ranch residents by reducing the risk of overtopped roadways, flooding of homes and ensuring emergency vehicle access during storm events.

LONG-TERM FINANCIAL & BUDGETARY IMPACT:

Depends on guidance provided. Funds may be reallocated between SAP projects without formal Council action. If additional SAP funds are necessary, staff will bring back a budget amendment for future Council consideration along with potential funding options.

LEGAL ANALYSIS:

NA

RECOMMENDATION/PROPOSED MOTION:

NA