



City Council Agenda Item Summary Report

Meeting Date: July 10, 2018

Submitted by: Candy McQuiston, Interim Director of Public Works
Richard Dormier, P.E., City Engineer

Consent <input checked="" type="checkbox"/>	Public Hearing	Action Item
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Item Title: Consider approval of the authorization to allow staff to seek bids for the construction of replacement of sanitary sewer and street replacement at Houston and Austin Street, and all related issues.

How this item ties-in with the City’s Mission, Vision, and Values: The proper maintenance is imperative to the health and welfare of the community.

Summary Statement

Replacement Sanitary Sewer and Street Replacement for Austin and Houston Streets Project:

This work is part of the normal maintenance and repair program for city-owned sewer lines.

The purpose of this project will be to replace the existing clay tile sanitary sewer lines along Austin and Houston Streets and reconstruct the existing pavement sections of both streets. This replacement will aid in the requirements for the CMOM (Capacity, Management, Operations, and Maintenance) program by reducing inflow and infiltration into the sewer line.

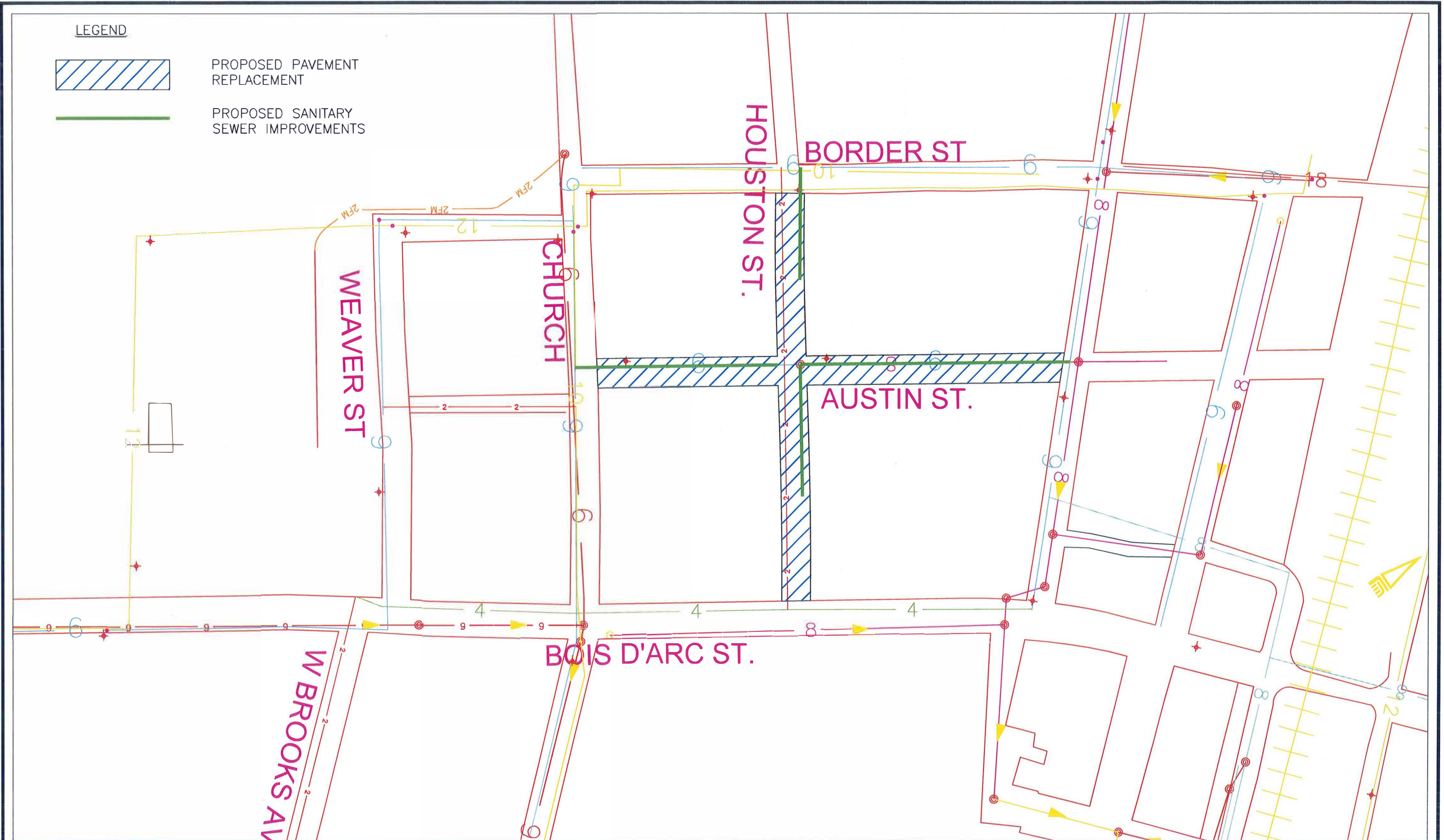
A geotechnical study will be performed and alternate asphalt paving sections will be evaluated to determine other feasible construction methods. The cost estimate includes the standard section previously used by the City to cement stabilize existing base and add 2-inches of hot mix asphalt pavement. When the project is bid, alternate paving sections will be priced to determine if there are more economically feasible pavements (varying types and thicknesses of base and asphalt) to construct. When the project is brought back to City Council to award the project, the alternates will be included so that if the City Council wishes to include a different type of pavement section, they can with the project award.

Attachments:

- Exhibit A – Location Map
- Exhibit B – Estimated Cost
- Exhibit C – Design Schedule

Staff is requesting City Council approval to advertise for bids for the project. This maintenance item has been approved in the Public Works Department FY18 Budget for \$632,000.

Exhibit A



PROPOSED STREET & SANITARY SEWER IMPROVEMENTS
AUSTIN & HOUSTON STREET, FORNEY TX

SCALE: N.T.S.
JOB #:
DATE: MAY 2018
SHEET: 1

FREEMAN-MILLICAN, INC.
ENGINEERS - ARCHITECTS - PLANNERS
12160 N. ABRAMS RD., SUITE 508 DALLAS, TEXAS 75243 PH: 214.503.0555 TX. ENG FIRM REG NO. 2827

Exhibit B

City of Forney
Replacement Sanitary Sewer and Street Replacement for Austin and Houston Streets
Engineer's Estimate of Probable Construction Cos

5/14/2018

Item	Description	No. of Units	Units	Unit Cost	Total Cost
1	mobilization and demobilization	1	LS	\$ 15,000.00	\$ 15,000.00
2	8" sewer line by open cut with flowable fill backfill	1,070	LF	120.00	\$ 128,400.00
3	6" sewer line by open cut (short service)	10	EA	1,500.00	\$ 15,000.00
4	6" sewer line by boring no encasement (long service)	7	EA	2,500.00	\$ 17,500.00
5	4' manhole	1	EA	8,500.00	\$ 8,500.00
6	End of Sewer Line cleanout	3	EA	2,000.00	\$ 6,000.00
7	connect new sewer to exist manhole	2	EA	1,500.00	\$ 3,000.00
8	Plug and abandon existing sewer pipe	2	EA	750.00	\$ 1,500.00
9	connect new sewer to existing sewer	1	EA	1,500.00	\$ 1,500.00
10	Construct entire HMAC Street 2-inch surface course	4,000	SY	15.00	\$ 60,000.00
11	Scarify, add Cement, recompact 6" base course	4,000	SY	13.00	\$ 52,000.00
12	Crushed stone	40	CY	40.00	\$ 1,600.00
13	Trench safety system	1,070	LF	2.50	\$ 2,675.00
14	SWPPP	1	LS	5,000.00	\$ 5,000.00
Total Construction Cost					
Total Project Cost					\$ 317,675.00
Engineering, Surveying, Geotechnical Report					48,870.00
Contingency 25%					79,418.75
					<u>\$ 445,963.75</u>

EXHIBIT C - DESIGN SCHEDULE

PHASE A

- Preliminary Design includes surveying and a preliminary plan set for initial review and comment by the City.

PHASE B

- Complete Construction Contract documents and Plans, review and address City comments, and submit to TCEQ for review and comment.

PHASE C

- Pre-Award Services
- Bid Processing
- Construction Phase Services

Based on a notice to proceed with engineering date of May 2018, the plans should be ready for City Council approval of bidding in July 2018. Based on a 120-150 day construction schedule, the project should be completed in December 2018.