

3/25/2020

To: Mayor and City

Council members

Hughes Ranch Road widening and improvements moving along well now. Completion will take to summer 2021. Clay



Hughes Ranch Road (Smith Ranch to Cullen Pkwy)

Scope: The project will construct approximately 10,500 LF of a four-lane concrete curb and gutter boulevard with sidewalks on both sides and traffic signals at Miller Ranch Road and Bryant Court. The project includes approximately 13,000 linear feet of a sound wall noise barrier along the major subdivisions, storm sewer improvements, illumination and landscaping. As a precursor to this construction project, the water line along the entire alignment was moved to avoid conflicts with drainage and sound wall foundations.

Justification: The roadway will enhance safety and improved access to adjacent subdivisions as well as provide direct access to the State Highway 288 Toll Lanes by way of the T-Ramp intersection being built by the Toll Lane project. The new roadway also improves access and traffic safety for Challenger Elementary and Dawson High School. This project complies with City Council's Strategic Priority of Safe Community, Sustainable Infrastructure, and Fiscal Responsibility.

Project Manager: Skipper Jones

Construction Manager: Stephen Byington

Designer: BGE, Inc.

Contractor: Triple B Services, Inc.

Budget Info:

Funding Sources	Series	To Date	Future	Total Budget
Certificates of Obligation				-
General Obligation Bonds	2013	303,708		303,708
General Obligation Bonds	2014	1,065,000		1,065,000
General Obligation Bonds	2016A	1,061,745		1,061,745
General Obligation Bonds	2018	2,856,000		2,856,000
General Obligation Bonds	2019	3,244,306		3,244,306
Other Funding Sources (TIP)		14,536,844		14,536,844
Other Funding Sources (Traffic Fund)		90,547		90,547
Other Funding Sources (Fund Balance)				-
Other Funding Sources (Old Alvin)		526,850		526,850
Total Funding Sources		23,685,000	-	23,685,000

Expenditures	To Date	Future	Total
PER			-
Land	1,569,452		1,569,452
Design	606,453		606,453
Construction	17,435,528	337,500	17,773,028
Construction Management/Inspection	1,487,708		1,487,708
Construction Materials Testing	32,896		32,896
FF&E			-
Total Expenditures	21,132,036	337,500	21,469,536

Project Balance/Contingency	2,215,464
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Schedule Info:

	Base Line	Current
Design Start	February-15	February-15
Bid Start	July-18	August-18
Construction Start	October-18	March-19
Proposed Construction Completion	March-21	July-21

Rain Days: 47

Project Status:

Since the restart of the project there remain minor utility relocations that are on-going. The City’s contractor has not been impacted and is prosecuting the work on schedule. The contractor utilized multiple underground crews to regain some time/production and all underground storm sewer is now complete except the last connection at Cullen.

The sound wall installation is progressing well, and installation for the Crystal Lake subdivision will be completed within the week. The contractor has started patching and painting the back side of the wall at Crystal Lakes and will then start tying in the residents fences. Contractor will continue working west until all the wall is complete.

The temporary pavement being installed on the north side of the existing roadway is part of the Traffic Control Plan and will facilitate the upcoming traffic switch planned for the week of March 30. Temporary pavement was completed March 20th.

Starting on the week of the 30th, traffic will be shifted north onto the new temporary pavement. The existing eastbound lane will be barricaded with no traffic allowed. Eastbound traffic will be moved on to the existing westbound lane and westbound traffic will be relocated to the new temporary pavement. The traffic configuration is planned for approximately a six-month duration. Introduction of the Gravity Sewer contractor into the work corridor may alter this configuration.

When/if school returns, there may be an additional detour requiring one-way traffic. However, this will be discussed should this situation occur.


Project staff and Engineering-Projects are in continuous contact with PISD’s transportation manager to share updates and coordinate planning efforts.

Highlights:

- Traffic shift onto new temporary pavement tentatively to occur on the last week in March.
- All underground work is complete.
- The project is 36% complete by dollars in contract as well as 36% complete by time with the 164 days added from the utility shutdown.
- COVID 19 activities have had no impact to the contractor’s forces to date.
- The sound wall is progressing and will have the back side of Crystal Lakes finished and painted by early April.

Upcoming Work:

- Demolition of the south side of the ROW and eastbound lanes will occur after lane switch. Paving operations for new eastbound lane are anticipated to occur between June and July. South side



sidewalk will also be constructed at this time. Contractor will pave entire street section monolithically which should progress rapidly.

- Planning activities continue to include PISD for a return to school traffic plan if required.

Previous Memos: 04.14.15, 10.19.17, 12.07.17, 02.15.18, 05.31.18, 11.08.18, 01.24.19, 02.14.19, 06.27.19, 10.24.19, 01.23.20

Location Map:

HUGHES RANCH ROAD (CULLEN TO SMITH RANCH ROAD)



1:24,000
1 inch = 2,000 feet



NORTH
This product is for informational purposes only and may not be prepared or suitable for legal, engineering or surveying purposes.

MAP PREPARED: OCTOBER 4, 2017
GIS DEPARTMENT

Construction Photos:



Underground detention along south ROW of Hughes Ranch Road. 01/16/2020

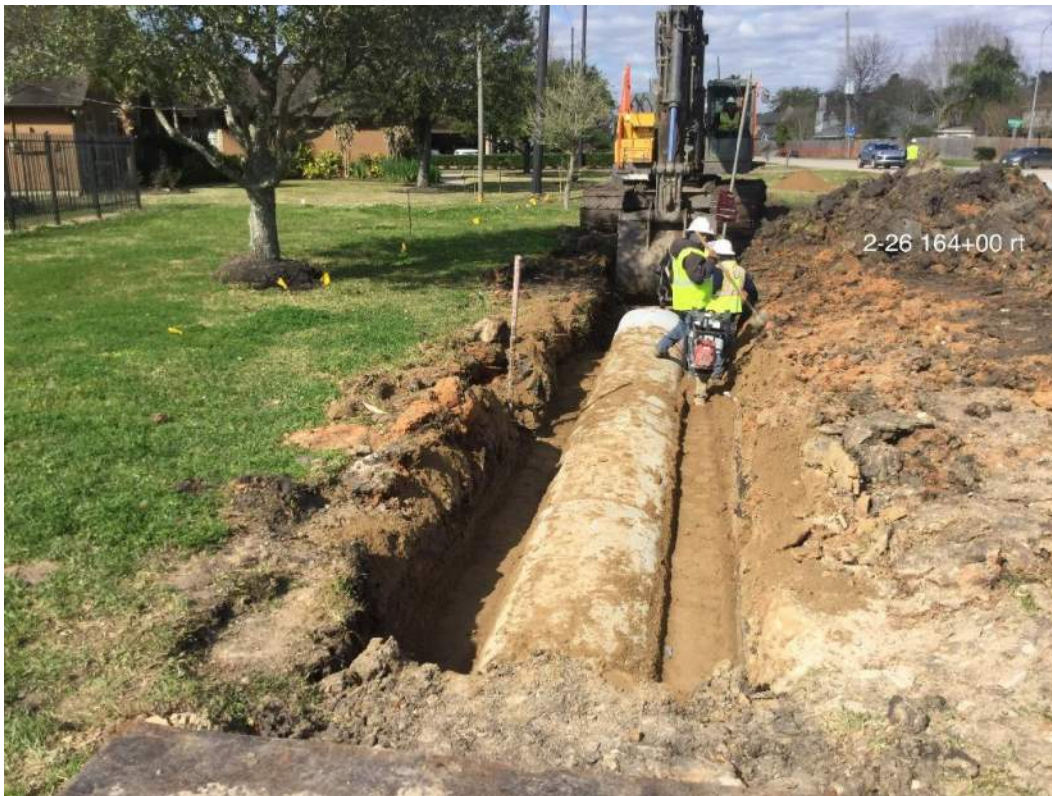


Manifold at end of underground detention. 01/31/2020



2-28 198+20 left

Installing storm sewer next to Dawson High behind the AT&T building. 02/28/2020



2-26 164+00 rt

Elliptical concrete pipe used for shallow conditions. 02/26/2019



Sound wall installation at Crystal Lakes. 03/05/2020



Temporary asphalt pavement. North side at Brookney. 03-19-2020



Temporary pavement finished surface facing west. 03.19.20