

22 September 2020

To: Mayor and City

Council members

Progress report on the big Hughes Ranch Road expansion and modernization improvement.

Remaining on track. Pictures show work to date. Remains under budget. 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, Cobb Fendley

**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	2,936,156		2,936,156
Other Funding Sources (TIP)		14,536,844		14,536,844
Other Funding Sources (Traffic Fund)		90,547		90,547
Other Funding Sources (Fund Balance)				-
<b>Total Funding Sources</b>		<b>22,850,000</b>	-	<b>22,850,000</b>

Expenditures	To Date	Future	Total
PER			-
Land	1,569,902		1,569,902
Design	606,453		606,453
Construction	17,600,356	456,526	18,056,882
Construction Management/Inspection	1,487,708		1,487,708
Construction Materials Testing	32,896		32,896
FF&E			-
<b>Total Expenditures</b>	<b>21,297,314</b>	<b>456,526</b>	<b>21,753,840</b>

<b>Project Balance/Contingency</b>	<b>1,096,160</b>
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Contingency will be reviewed during the CIP process for FY22. Future expenses include an estimated amount for the fiber line that will be bid and installed in the future.

## Schedule Info:

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

**Rain Days: 71**

## Project Status:

Since the restart of the project minor utility relocations continue. However, the contractor has not been impacted and is prosecuting the work on the revised project schedule. Multiple underground crews were used to regain some previously lost time and all underground storm sewer is complete.

All the sound walls on the south side of Hughes Ranch Road – with the exception of Wall H (by Challenger Elementary School), have been erected. Wall A, on the north side of Hughes Ranch Road between Country Place and Southdown, has been erected. The Contractor has started work on the erection of Wall B between Southdown Drive and Bedford Ave. Installation of walls typically precedes the painting phase by several weeks and this precedes tie-in of the property owner's side fences by several days to weeks based on contractor resources.

Construction of concrete sidewalk on the south side of Hughes Ranch Road started on the east end of the project and proceeded to the west. To date approximately 2,100 LF sf of sidewalk has been constructed.

Concrete paving construction began the first week of May from the east end of the project at Cullen. To date, approximately 10,000 LF of 25-foot wide concrete pavement has been constructed. The eastbound lanes have been constructed typically leaving out intersections with side streets and driveways to allow continuation of operations. The intersections are poured utilizing high early concrete to allow return of the intersection use as quickly as possible.

The original project traffic control plan was altered to allow traffic access to portions of the new eastbound lanes early in order to provide access for student drop-off and queuing for Challenger Elementary school. Parent vehicles queue on the outside lane and along Bryant Court to drop off and picking up students. The contractor agreed to the City's request to accelerate completion of intersection paving along the eastbound lanes from North Hampton to Cullen to enable this revised traffic control plan for the start of school. Originally part of the work plan but had to be accelerated due to the delays caused by unresolved utility conflicts early in the project.

Currently, the contractor is constructing the street intersections at Miller Ranch, South Hampton, Harrington and May Court that were left out during slip-form operations for the main lanes. Multiple intersection closures and modifications to the Traffic Control Plan will be issued over the next few weeks to accommodate those activities. The project team is working closely to provide ample notification and to mitigate the impact on the public as much as possible. Highest priority has been given to maintaining student access to both schools along the Hughes Ranch Road corridor. However, traffic circulation around the Dawson High School will remain partially impaired by these detours. Signal timing has been adjusted to account for heavier left turn movements during this phase of the roadwork.

## Highlights:

- Concrete paving construction of the eastbound lanes is complete with the exception of intersections at Miller Ranch, South Hampton, Harrington, and May Court.

- The project is 59% complete by dollars in contract as well as 56% complete by time with the 164 days added from the shutdown caused by utility conflicts.
- COVID 19 activities have had no impact to the contractor's forces to date.

#### **Upcoming Work:**

- Erection of the sound walls on the north side of the roadway will continue.
  - Construction of sidewalk on the south side of Hughes Ranch Road will continue to progress toward the west end of the project.
  - Construction of the street intersections will be completed in the next 5 to 6 weeks.
  - **During Phase 3 (paving of westbound lanes) the original TCP may be altered to allow for the continued use of a drop off lane adjacent to Challenger Elementary school. This would be facilitated by the closure of Hughes Ranch Road to westbound through traffic.**
- **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, 03.19.20, 05.21.20, 6.27.20, 7.23.20

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 be suitable for legal, engineering or surveying purposes.

MAP PREPARED: OCTOBER 4, 2017  
GIS DEPARTMENT

**Construction Photos:**



Erection of Sound Wall B.



Construction of subgrade just east of Smith Ranch Road.



Construction of EB Hughes Ranch Road at Smith Ranch Road.



Sidewalk construction on south side of Hughes Ranch Road.



West Sterling Drive tie-in to Hughes Ranch Road.