

4 June 2020

To: Mayor and City Council members

Work on the big stretch to widen and improve Hughes Ranch Road, west of Cullen Pkwy and ties into the new managed SH 288 lanes.

Concrete paving continues. Pictures included in attached. Will complete July 2021 next year. 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 / Stephen Byington (Cobb Fendley)

**Construction Manager:** 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	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
<b>Total Funding Sources</b>		<b>23,685,000</b>	-	<b>23,685,000</b>

Expenditures	To Date	Future	Total
PER			-
Land	1,569,452		1,569,452
Design	606,453		606,453
Construction	17,435,528	352,500	17,788,028
Construction Management/Inspection	1,487,708		1,487,708
Construction Materials Testing	32,896		32,896
FF&E			-
<b>Total Expenditures</b>	<b>21,132,036</b>	<b>352,500</b>	<b>21,484,536</b>

<b>Project Balance/Contingency</b>	<b>2,200,464</b>
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## 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: 55

## Project Status:

Since the restart of the project there remain minor franchise utility relocations ongoing. The City's contractor has not been impacted and is prosecuting the work on schedule. Multiple underground crews were used to regain some time lost in this delay and all underground storm sewer is now complete.

The sound wall installation has progressed past Crystal Lakes. Sound Wall I, between South Hampton Drive and Miller Ranch Road, has been erected, and Sound Wall J, between Miller Ranch Road and Harrington Drive, is about 50% erected. Contractor will continue working west until the wall is complete. Wall painting is being done as wall construction allows. An initial color coat is used to seal the concrete and highlight colors are added afterwards.

The traffic switch to the temporary pavement was executed on March 26, 2020. Removal of existing pavement commenced the first week of April, followed by roadway grading (excavation and embankment). Subgrade stabilization began in mid – April.

The original construction sequence plan for paving operations was to go from west to east starting at Smith Ranch road. A schedule change in the Smith Ranch Road intersection (BCTRA Toll Road Project) caused by the BCTRA contractor impacted the City's contractor schedule. To reduce any impact the City's contractor was able to change the original sequence of construction and move their operations to the east and start paving at Cullen Boulevard and mitigate any impacts to the project schedule. Concrete paving construction began the first week of May from the east end of the project at Cullen. To date, approximately 2600 LF of 25-foot wide concrete pavement has been constructed.

All construction (sound wall erection, earthwork, subgrade stabilization, concrete paving) will continue to progress from east to west during the next couple of months.

Work is beginning on the installation of the deep gravity sewer between Cullen and Brookney. This work is being performed by a separate contractor (Reddico) and necessitated the total closure of the segment of Hughes Ranch within the installation area. This work is expected to last ten to twelve weeks. Coordination between the two construction contracts is on-going and carefully monitored to keep project efficiency's and reduce any potential conflicts.

## Highlights:

- Traffic shift onto new temporary pavement occurred on March 26th.
- Demolition of the existing eastbound lane was substantially completed in April.
- Concrete paving construction commenced the first week of May.
- The project is 46% complete by dollars in contract as well as 46% complete by time with the 164 days added from the shutdown.
- COVID 19 activities have had no impact to the contractor's forces to date.

### **Upcoming Work:**

- Paving operations for new eastbound lane will continue through July. South side sidewalk will also be constructed at this time.
- Grading on the south side between sound wall and new road.
- Sound wall construction will continue.
- Detention basin work will continue

**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

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:**



Storm sewer System C outfall into Detention Pond X with slope paving formed up.



Soundwall erection.





Steel reinforcement and expansion joints placed near Cullen.



Concrete paving commences on east end of the project.





Concrete paving construction progresses past entrance to Crystal Lakes.



Concrete paving construction progresses fronting Crystal Lakes.