



7/15/2021

To: Mayor and City Council members

Update on the HRR project that continues to progress despite recent weather impacts.

Additional two way traffic is now open and paving has moved to median cross-overs and left turn lanes.

-Trent

# Hughes Ranch Road (Smith Ranch to Cullen Pkwy)

Is it in Budget?		Is it on Schedule for the Current Phase per the Contract?		Community Benefit
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Improves Mobility
<b>Project Phase?</b>				
Construction				

## Executive Summary

This memo provides information about the progress on the Hughes Ranch Road Expansion project's current status. The project entails expanding the roadway from a two-lane asphalt to a concrete four-lane divided boulevard section from Smith Ranch Road to Cullen Parkway with curb, gutter and underground drainage and includes the addition of two traffic signals and school zone flashers as well as sidewalks on both side

## Highlights:

- Concrete paving construction of the westbound lanes (Phase 3) is now complete except for two locations requiring modifications to drainage, paving and median configurations at Linda Lane and in front of Dawson Playing fields.
  - This work requires a Change Order of approximately \$20,000 that has been submitted several times but delayed by TxDOT multiple separate requests for additional back-up information,
- Phase 4 concrete paving construction (median crossovers and left turn lanes) has begun. Lanes will remain closed to two-way traffic within the work areas. The project has opened a section of the project to two-way traffic located at Southdown to Smith Ranch and North Hampton to Cullen.
- Sound Wall D (the last sound wall to be constructed on the project) is 30% erected. Intermittent rain is delaying this work which must be completed before curbs and sidewalks can be installed and roadside surface drainage features completed. Final painting of the sound walls has been delayed due to paint shortages in the market.
- Signal construction continues and a new detection system has now been specified by the City for use on this project due to the end of life and end of sale for the components of the previous system.
- The project is 83% complete by dollars in contract as well as 85% complete by time including the 164 days added from the shutdown.
- Landscaping and irrigation work has begun on the south side at the west end of the project.
- The contract for construction of the fiber optic inter-connect for signals was awarded on June 14 and construction start is imminent.
- COVID 19 activities have had no impact to the contractor's forces to date. However, weather is slowing progress by reducing the number of consecutive days work can be prosecuted during a five-day week.

## Budget Info:

There are four pending minor change orders dealing with changes to accommodate local access, adjustments to adjoining drainage systems, corrections to a portion of sidewalk on the south side that was designed incorrectly, and additional trailer rental and a credit for the new signal detection system. TxDOT is



participating in these change orders. One of these will require Council approval once we have TxDOT approval.

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	1,569,969		1,569,969
Design	611,453		611,453
Construction	17,509,775	124,663	17,634,438
Construction Management/Inspection	1,678,882		1,678,882
Construction Materials Testing	31,957		31,957
FF&E			-
<b>Total Expenditures</b>	<b>21,402,035</b>	<b>124,663</b>	<b>21,526,698</b>

<b>Project Contingency</b>	<b>4%</b>	<b>800,000</b>
<b>Project Balance</b>		<b>523,302</b>

**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>Construction Completion</b>	March-21	October-21

**Upcoming Work Items:**

- Completion of erection of Soundwall D and the painting of Walls B, C and D.
- Commencement of sidewalk construction on the north side of Hughes Ranch Road
- Continued construction of the traffic signals at Miller Ranch Road and Bryan Court.
- Continued construction of the landscape irrigation system.
- Continued Phase 4 concrete pavement construction.

**Project Manager:** Skipper Jones

**Construction Manager:** Steve Byington, Cobb Fendley

**Designer:** BGE Engineering



**Contractor:** Triple B Services

**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 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 and Sound Infrastructure

**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, 7.14.20, 9.16.20, 11.23.20, 1.26.21, 4.07.21.









**Construction Photos:**



Installation of traffic signal pole at Miller Ranch



Westbound lane paving approaching Kensington Bridge, looking east





Paving Westbound lanes at Dawson High School



Pouring last drilled shaft foundation for Sound Wall D





Pouring median crossing pavement (Phase 4 work)