

# Smith Ranch Road Expansion (Hughes Ranch to Broadway)

2/15/2018

To: Mayor and City Council members  
Update on expansion of Smith Ranch road north of Broadway to tie into improved Hughes Ranch Road, access to 288 T-Ramp. Clay



**Scope:** Expansion of Smith Ranch Road from a two-lane asphalt roadway to a four-lane concrete curb and gutter divided roadway with raised medians, including storm sewers, sidewalks, and landscaping. The project extends from north of FM 518 to Hughes Ranch Road. Approximately 7,000 LF of fiber will be installed from FM 518 to the Westside Event Center.

**Justification:** The project improves north/south access outside of the SH 288 Corridor and will form an integral component for access to the future 288 Toll Lanes via the T-Ramp access point at the intersection of Smith Ranch Road and Hughes Ranch Road. Increased demand for improved access requires expansion of this roadway. Project was selected by HGAC to receive 80% federal funding through the 2013 TIP.



**Project Manager:** Susan Johnson

**Designer:** Dannenbaum Engineering Corp.

**Contractor:** N/A

**Budget Info:**

	<i>Budget</i>	<i>Encumbered</i>	<i>Change Orders</i>	<i>Balance</i>
<i>Prelim. Eng.</i>				\$0.00
<i>Land</i>	\$676,803.00			\$676,803.00
<i>Engineering</i>	\$1,139,500.00	\$1,139,081.64		\$418.36
<i>Construction</i>	\$2,580,500.00	\$368.94		\$2,580,131.06
<i>FF&amp;E</i>				\$0.00
<i>Contingency</i>	\$300,000.00			\$300,000.00
<b>Total</b>	<b>\$4,696,803.00</b>	<b>\$1,139,450.58</b>	<b>\$0.00</b>	<b>\$3,557,352.42</b>

\* Remaining funds are scheduled for FY19

**Schedule Info:**

	<i>Base Line</i>	<i>Current</i>
<i>Design Start</i>	November-16	November-16
<i>Proposed Bid Start</i>	November-18	June-19
<i>Proposed Construction Start</i>	September-19	
<i>Proposed Construction Completion</i>	June-20	

Rain Days: N/A

## Highlights:

- On August 16, 2017, TxDOT approved both Terracon Consultants' Geotechnical Engineering Report and Dannenbaum Engineering's Box Culvert Analysis, determining that the 10' x 10' reinforced concrete boxes along the west side of Smith Ranch Road, as well as the bedding and backfill, met the current criteria for traffic load rating. This approval allowed the project design to move forward with the original alignment.
- Dannenbaum Engineering submitted its final Drainage Impact Analysis Report to TxDOT in August 2017, and it was approved by TxDOT on September 25, 2017.
- On October 12, 2017, Dannenbaum submitted its Environmental Technical Reports to TxDOT for review and approval.
- The Design Concept Conference was held on November 14, 2017, and approved on December 11, 2017 with notification to the City on December 28, 2017.
- Dannenbaum submitted its Preliminary Engineering Report (PER), including 30% plans, to the City and TxDOT on February 6, 2018. The PER has been distributed to staff for review and comment. Once it is approved, Dannenbaum will begin work on the 60% plans for the project.
- Dannenbaum's Surveyor is working on the Parcel Maps for Right-of-Way acquisition.

Previous Memos: 9/22/16, 1/26/17, 7/27/17

