



13 April 2021  
 To: Mayor and City Council members  
 Update on continuing work for the big McHard Road extension roadwork. Keep in mind that water and sanitary sewer in the corridor already done in advance. The roadwork continues and due for opening October 2022. Clay

# McHard Road Extension (Mykawa to Cullen)

Is It In Budget?		Is It On Schedule?		Community Benefit <i>Improves mobility by providing an additional east west corridor as an alternative to Broadway (FM 518)</i>
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<b>Project Phase</b>				
Construction				

## Highlights:

- The City granted the contractor’s request for a five (5) day time suspension due to the winter storm freeze from February 14 through February 19.
- The contractor has completed:
  - Phase 1A of the project.
    - The installation of junction boxes at both portions of the Clear Creek detention pond
    - The installation of the 7 x 4 culverts connecting the two components of the Clear Creek detention pond.
  - Approximately 64% of the earthwork is complete.
    - Approximately 75% of ROW has been cleared in preparation for the subgrade work (Area located between Stone Road and Mykawa)
    - Approximately 50% of the roadway excavation.
    - Approximately 60% of embankment work.
    - Approximately 80% of the channel excavation.
- Met with Exxon Mobile on March 2, 2021 to discuss the Letter of No Objections (LONO) and to clarify the requirements for crossing the pipeline.
  - The Exxon Mobile field representative determined that matting would not be required for the construction work across their pipeline as previously suggested since the pipeline is 10 ft. deep.
  - Continued coordination between the project team and Exxon Mobile as the pipeline crossing date approaches.
- Ongoing work includes:
  - Installation of 7 x 4 boxes between Cullen and Stone Rd.
  - Installation of laterals between Cullen and Stone Rd.
  - Continued coordination with CenterPoint Energy, Phonoscope, AT&T and Comcast for the relocation of their facilities along the north south streets throughout the McHard corridor.

## Challenges:

- While all utility companies have reported the removal/relocation of their lines along the McHard road alignment, there remain multiple conflicts on the north south streets.
  - AT&T has been issued a permit and will begin moving the lines within the next two weeks.



- In addition to the lines on the north south streets, there are several overhead lines on McHard Rd. that are too low for construction equipment to safely drive under. AT&T will raise the lines as part of the side street work.
- James Construction Group has continued to make adjustment in the sequencing of the work to minimize the impact the utility conflicts have on the schedule.

**Budget Info:**

Funding Sources	Series	To Date	Future	Total Budget
Certificates of Obligation	TBS 2022	3,978,428		3,978,428
General Obligation Bonds	2014	531,488		531,488
General Obligation Bonds	2015	238,566		238,566
General Obligation Bonds	2016A	222,627		222,627
General Obligation Bonds	2017	2,742,360		2,742,360
General Obligation Bonds	2020	7,850,000		7,850,000
General Revenue - Cash				-
HGAC TIP		32,580,531		32,580,531
Other Funding Sources - Fund 506 Balance		413,000		413,000
<b>Total Funding Sources</b>		<b>48,557,000</b>	-	<b>48,557,000</b>

Expenditures	To Date	Future	Total
PER			-
Land	6,517,801	407,500	6,925,301
Design	4,677,357	130,000	4,807,357
Construction Contract	30,293,967	1,638,634	31,932,600
Construction Management/Inspection	2,480,193		2,480,193
Construction Materials Testing	425,289		425,289
FF&E			-
<b>Total Expenditures</b>	<b>44,394,606</b>	<b>2,176,134</b>	<b>46,570,740</b>

<b>Project Contingency</b>	<b>3%</b>	<b>1,500,000</b>
<b>Project Balance</b>		<b>486,260</b>

Project balance includes TIP funds associated with the project.

**Schedule Info:**

	Base Line	Current
<b>Design Start</b>	August-14	August-14
<b>Bid Start</b>	April-17	January-20
<b>Construction Start</b>	June-20	September-20
<b>Proposed Construction Completion</b>	September-22	October-22

**Rain Days: 14**

**Upcoming Work Items:**

- The contractor will continue the site prep between Stone Rd. and Garden Rd.
- The contractor will continue roadway excavation between Cullen and Stone Rd.



The contractor will begin phase 1B of the project which consist of the installation of all Hickory Slough Detention Pond 2 structures and laterals.

**Project Manager:** Jennifer Lee

**Designer:** Freese and Nichols, Inc.

**Contractor:** James Construction Group

**Construction Manager:** HDR, Inc.

**Scope:**

The McHard Road project will extend from the intersection of Mykawa and McHard Rd. west to tie into the existing roadway at Cullen Blvd. It will include the construction of approximately 3.5 miles of four lane divided concrete curb and gutter roadway with signalized intersections (Max Rd., Roy Rd., O'Day Rd., Garden Rd., and Hatfield Rd.). Also included in the road design is grading, paving, mixed use sidewalks, drainage, detention ponds, signage, pavement markings, illumination, traffic control, storm water pollution prevention and landscaping/irrigation.

**Justification:**

This project is in accordance with the City's Thoroughfare Plan to alleviate traffic on FM 518 by providing an alternate east/west route between SH 288 and SH 35. The project was selected by H-GAC to receive 80% federal funding for design and construction through the 2016 TIP.

**Previous Memos:** 04.01.2015, 07.15.2015, 10.14.2015, 02.04.2016, 10.06.2016, 01.26.2017, 05.04.2017, 09.07.2017, 05.31.2018, 01.24.2019, 09.26.2019, 06.04.2020, 11.19.2020, 02.04.2021



**Project Location Map:**





**Installation of Trench Safety System**



**Installation of Conduit for Traffic Signals**



**7' x 4' Reinforced Box Culvert (RCB)**



**Cleared ROW at the Mykawa intersection**



**Installed inlets and curb grates**



**Detention pond east of O'Day Rd.**



**RCP drainage pipe to be installed between Cullen and Stone Rd.**