



2 February 2021
 To: Mayor and City Council members
 Another large complex mobility project, years in the making, making major progress. Part of overall mobility plan and investment, pictures at end illustrate some of the early elements. Fall 2022 completion anticipated. 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>
X Yes	<input type="checkbox"/> No	X Yes	<input type="checkbox"/> No	
Project Phase?				
Construction				

Highlights:

- The contractor has completed:
 - Approximately 80% of storm sewer for the Hickory Slough Drainage System.
 - The installation of the laterals in the Hickory Slough Drainage System.
 - Approximately 25% of the excavation of Hickory Slough Detention Pond.
 - Clearing and grubbing the ROW for the roadway between Cullen Blvd. and Stone Rd.
 - The demolition/removal of all remaining structures within the ROW remaining after installation of the water & sewer utilities
 - The installation of 6 x 4 storm boxes for the Clear Creek Drainage System.
- The project team met representatives from ExxonMobil in the field to review the pipeline crossing requirements.
 - The pipeline in question was installed in 2019, after the design of McHard Road was complete and approved for construction.
 - Construction mats will be required over the pipeline during all phases of the construction work within the pipeline corridor
 - Installation of mats were not included in the bid documents and will require a change order to the contract. ExxonMobil made no mention of the mat requirement at the time of the City's permit application.
 - The contractor submitted a proposal request which has been approved for the purchase of the mats. Funding for the change in requirements will be shared between TxDOT and the City per the funding agreement. Estimated cost for the mats is approximately \$18,600.
- CenterPoint Energy (CPE) has completed the removal of all infrastructure in the right-of-way and relocated accordingly
- Other utilities (Verizon, AT&T, Phonoscope) – lines have all been relocated.

Challenges:

- While all utility companies have reported the removal/relocation of their lines, the contractor has reported new issues with the utilities.
 - The locations where Comcast moved their infrastructure are still in conflict with proposed underground utilities on the project and will have to be relocated again.
 - The problem is internal to Comcast and their procedures that have been pointed out to them.



- The Contractor hit the Comcast line while excavating (per the permit application, the cable line was supposed to be 15' deep line but it was installed at 6' deep).
 - Comcast is in the process of moving the line again.
 - An AT&T pedestal is potentially in conflict with the underground utilities' installation.
 - The pedestal was not identified by AT&T in the original relocation of their utilities.
- James Construction Group has made adjustment in the sequencing of the work to minimize the impact the utility conflicts have on the schedule.
 - The utility conflicts are within the Clear Creek Drainage System (between Cullen and Stone Rd).
 - The Hickory Slough Drainage System is not impacted by the utility conflicts, so work has continued on that system while the conflicts are being resolved.

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
Total Funding Sources		48,557,000	-	48,557,000

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			-
Total Expenditures	44,394,606	2,176,134	46,570,740

Project Balance/Contingency	1,986,260
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Project balance includes TIP funds associated with the project.

Schedule Info:

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

Rain Days: 5



Upcoming Work Items:

- The contractor will begin the site prep between Stone Rd. and Garden Rd.
- The contractor will begin installing drainage structures between Stone Rd. and Garden Rd.
- The contractor will continue to excavate Hickory Slough Detention Pond.
- The contractor will continue installing laterals for Hickory Slough Drainage System.
- Continued coordination with the private utility companies to ensure the relocated lines are installed per the permits.

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:

October 2015, April 2015, October 2015, February 2016, October 2016, January 2017, May 2017, August 2017, March 2018, January 2019, September 2019, June 2020, November 2020.



Project Location Map:





Project Photos:



Installation of Drainage System Pipes



Hickory Slough Drainage System Detention Pond 1



Installation of 6 x 4 Boxes



Embankment at Hickory Slough Drainage System Detention Pond 2



ROW prep activity



Hickory Slough Drainage System drainage pipe installation near Garden Rd.



Hickory Slough Drainage System Detention Pond 1



ROW prep at Mykawa Rd.