



19 November 2020
 To: Mayor and City
 Council members

Early days of the major project to extend and fill in McHard Road between Cullen and Mykawa. Initial challenges from pipeline and groundwater. Corridor taking shape. Clay

McHard Road Extension Project

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

Highlights:

- The U.S. Army Corps Individual Permit was approved and received on September 28, 2020.
- The Notice to Proceed (NTP) for construction was issued on September 30, 2020.
- The contractor asked for and was granted six additional days due to a delay in securing concrete traffic barriers.
 - The plans stated that the concrete barriers would be available from a TxDOT designated source, but TxDOT no longer provides the barriers for local let projects. TxDOT's review apparently missed this item and failed to notify the City or the Engineer of this change in policy
 - City staff was able to borrow the barriers for Brazoria County.
 - The contractor retrieved the barriers from a storage site in Angleton and transported them to the job site.
- The contractor mobilized on October 6, 2020 after placing the concrete barriers along Phase 1 of the project-between Cullen Blvd. and Stone Rd.
- A virtual Construction Start-up meeting was held on October 7, 2020.
 - In attendance were representatives from the City, the consultants responsible for construction oversight, the contractor and TxDOT.
- Private Utility companies are still removing their overhead lines and poles from the ROW.
 - The contractor is currently working around the utility conflicts.
 - Most of the lines have been removed from the poles in the ROW.
 - Pull boxes and other electrical panels are being moved.
 - The utility conflicts should be complete by the end of November.
- To date the contractor has:
 - Cleared the alignment between Cullen Blvd. and Stone Rd.
 - Excavated approximately 75% of the Clear Creek detention ponds.
 - Excavated about 25% of the Hickory Slough detention pond.
 - Continuously coordinated with BDD4 during the excavation of the detention ponds.
- **Challenges:**
 - Ongoing challenges include continued coordination with the utility companies to ensure their lines are removed before they cause an impact to the schedule.
 - The soil conditions are very wet and will likely require some form of dewatering.
 - The current schedule calls for the installation of the storm boxes for the outfall to be complete by the end of the month, but well pointing/dewatering activities will delay the completion.



- Monument Pipeline has recently informed the City that the drainage system crossing of their pipeline will likely require the line to be re-coated at the City's cost. The AFA contains approximately \$250,000 in funds for utility adjustments that has the potential to be utilized for this work. Should this work be necessary, further discussion with TxDOT will be required to confirm funding utilization and participation.

Budget Info:

Funding Sources	Series	To Date	Future	Total Budget
Certificates of Obligation	TBS	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 Balance		413,000		413,000
Total Funding Sources		48,557,000	-	48,557,000

Expenditures	To Date	Future	Total
PER			-
Land	6,492,129		6,492,129
Design	4,677,357	40,000	4,717,357
Construction Contract	30,241,149	1,000,000	31,241,149
Construction Management/Inspection	2,480,193		2,480,193
Construction Materials Testing	425,289		425,289
FF&E			-
Total Expenditures	44,316,116	1,040,000	45,356,116

Project Balance/Contingency	3,200,884
------------------------------------	------------------

This project is funded through TXDOT's LGPP program where the City will be reimbursed as outlined in the Advanced Funding Agreement (AFA). The project balance consists of remaining City and TxDOT funds.

Schedule Info:

	Base Line	Current
<i>Design Start</i>	August -14	August-14
<i>Bid Start</i>	December-19	January-2020
<i>Construction Start</i>	July-20	September-20
<i>Construction Completion</i>	October-22	

Rain Days: 2

Upcoming Work Items:

- Upcoming work includes:
 - The contractor is clearing and grubbing the embankment for the roadway just west of Mykawa.
 - Begin stripping the topsoil between Cullen Blvd. and Stone Rd. pending the utility company's completion of their work.



- Demolition/removal of structures such as fences, post, etc. that may be in the ROW.
- Begin the installation of the 7x4 storm boxes.
- Begin installation of the channel liner at the Hickory Slough detention pond.
- Determine need and extent for ground water control.
 - The contract includes ground water control, but because of the excessive groundwater encounter so far, this line item will likely be overrun. Staff is looking to offset the overrun as much as possible by using underrun items in the contract.

Project Manager: Jennifer Lee

Designer: Freese and Nichols, Inc.

Contractor: James Construction Group

Construction Oversight: 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:

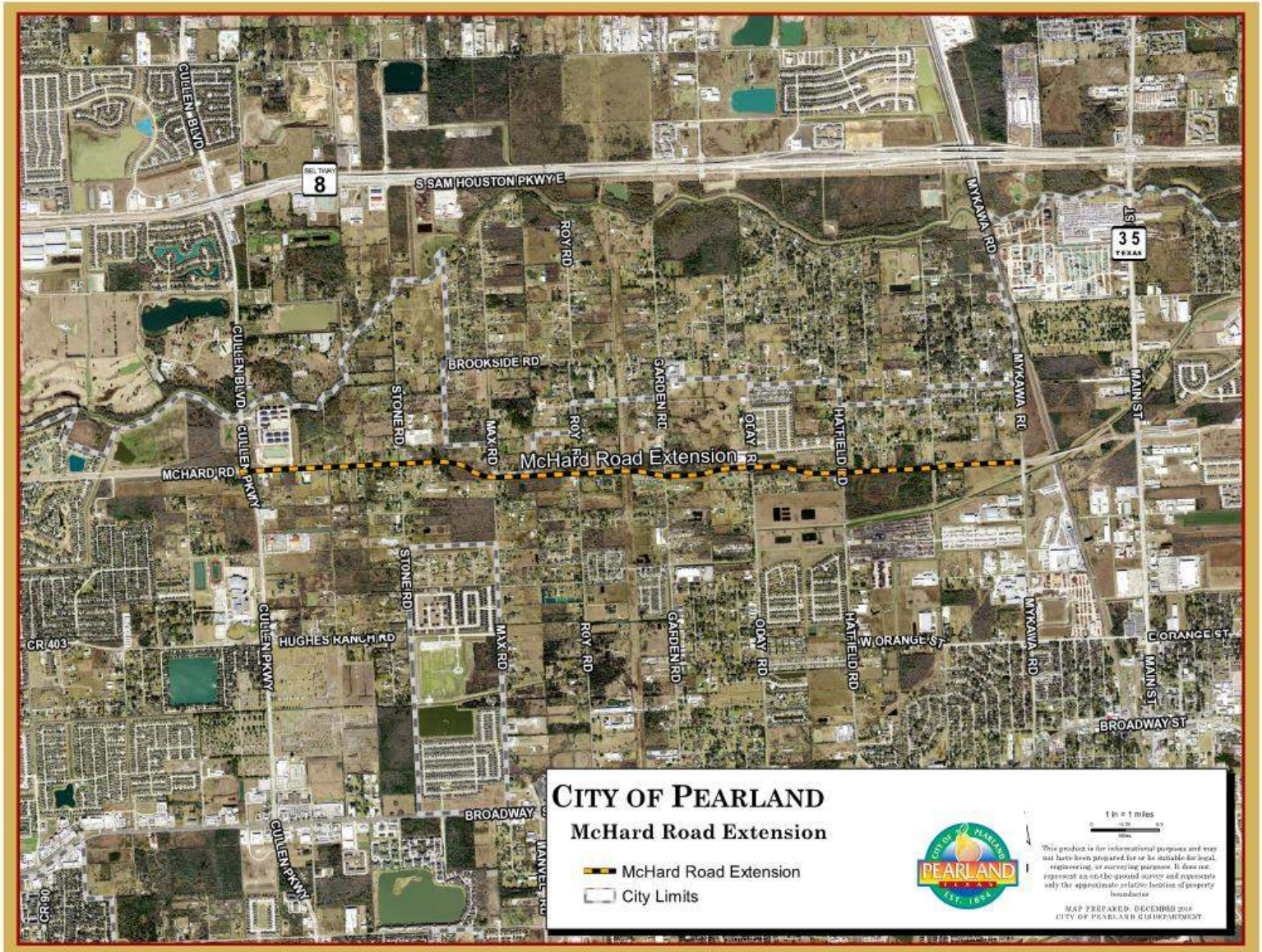
This project is in accordance with the City's Thoroughfare Plan to alleviate traffic on FM 518 by providing an alternate east/west route between SH 288 and SH 35. The project was selected by H-GAC to receive 80% federal funding for design and construction through the 2016 TIP.

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.



Project Location Map:





Project Photos:



Clearing and Grubbing McHard



Clearing the Detention Basin



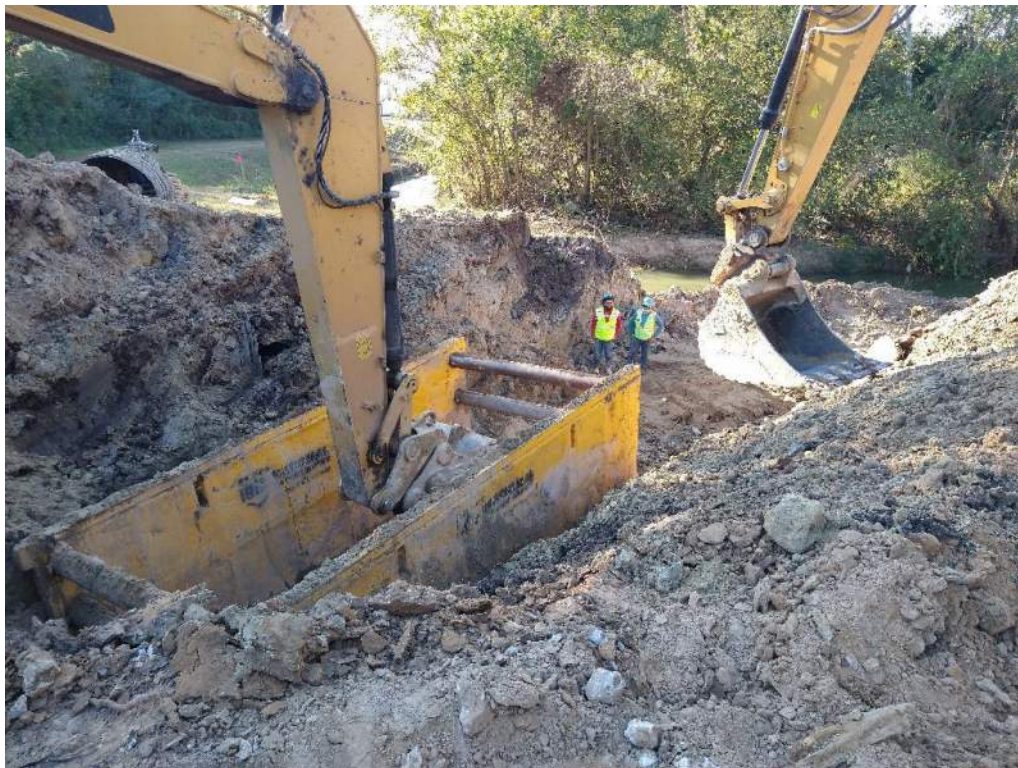
Clearing the Detention Basin



Utility Relocation



Excavation of Detention Basin #1



Excavation Detention Basin #1 Outfall