



6/2/2022
 To: Mayor and City Council members
 Construction update on McHard showing significant progress on paving operations. Project continues on-time heading towards adding an important piece to our transportation infrastructure by the end of the calendar year.
 -Trent

McHard Road Extension (Mykawa to Cullen)

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

Highlights:

- Drainage system installation.
 - The trunk line and laterals between Max and Roy were completed in April.
 - All piping to the drainage junction boxes have been installed.
 - The entire drainage system is approximately 90% complete.
- Concrete pavement.
 - Concrete paving is approximately 85% complete
 - In mid-April, the project team began working on an alternative Project Phasing Plan to open some of the side streets.
 - The asphalt is being installed on the side streets: Stone, Max, Roy, O'Day, Garden, Hatfield, and Woody.
 - Completed the turn lanes at Cullen and Adamo.
 - The contractor began early morning (3 am) concrete pours on April 18 in the greenfield area between Max Rd. and Future Max Rd.
 - On April 19, the west bound lanes were poured between O'Day and Woody Road intersections.
 - On April 25, and April 28, beginning at 3 am, the west bound lanes were poured between Max and Roy Roads.
 - The early morning pours have continued throughout the month of May.
- The fiber optics subcontractor has completed approximately 50% of the conduit installation.
- Ongoing work includes:
 - Prepare and place asphalt paving on Adamo.
 - Continue preparing the side streets for asphalt paving.
 - One lane closure on Max Rd will begin in approximately two weeks.

Challenges:

- Opening the north/south streets will require coordination with the City of Pearland Traffic Operations Division.
 - The project team is working with the Traffic Operations Division to determine the safest way to open the new intersections at the cross streets while maintaining closure to the McHard Road.



- The intersections will be treated as a four way stop until the newly paved McHard roadway is ready for traffic.
 - Traffic has been able to move along the north south streets without signals.
 - To transition to a signalized intersection, prior to the signals being brought on-line, the Traffic Engineer suggested erecting stop signs at the intersections to get the traveling public used to stopping at the intersections.
- The new traffic signals will remain bagged until McHard Rd. is opened to traffic.

Budget Info:

Funding Sources	Series	To Date	Future	Total Budget
Certificates of Obligation	TBS 2022	5,028,428		5,028,428
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	1,725,637		1,725,637
General Obligation Bonds	2020	7,850,000		7,850,000
General Revenue - Cash				-
HGAC TIP		32,380,531		32,380,531
Other Funding Sources - Fund 506 Balance		1,429,723		1,429,723
Total Funding Sources		49,407,000	-	49,407,000

Expenditures	To Date	Future	Total
PER			-
Land	6,668,873	481,127	7,150,000
Design	4,538,780	130,000	4,668,780
Construction Contract	30,348,521	2,120,000	32,468,521
Construction Management/Inspection	2,480,193		2,480,193
Construction Materials Testing	425,289	20,000	445,289
FF&E			-
Total Expenditures	44,461,656	2,751,127	47,212,784

Project Contingency	1%	634,216
Project Balance		1,560,000

Project balance includes TIP funds associated with the project.
 Project budget will be reduced at mid-year.

Schedule Info:

	Base Line	Current
Design Start	August-14	August-14
Bid Start	April-17	January-20
Construction Start	June-20	September-20
Construction Completion	September-22	December-22



Upcoming Work Items:

- The contractor will continue paving through the greenfield and at the intersections.
- The subcontractor will continue installing fiber optic conduits.
- All of the detention ponds have been rough excavated.
 - Pilot channels need to be installed.
 - Outfalls need to be installed.

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, 04.15.2021, 06.24.21, 9.30.21, 03.03.22



Project Location Map:

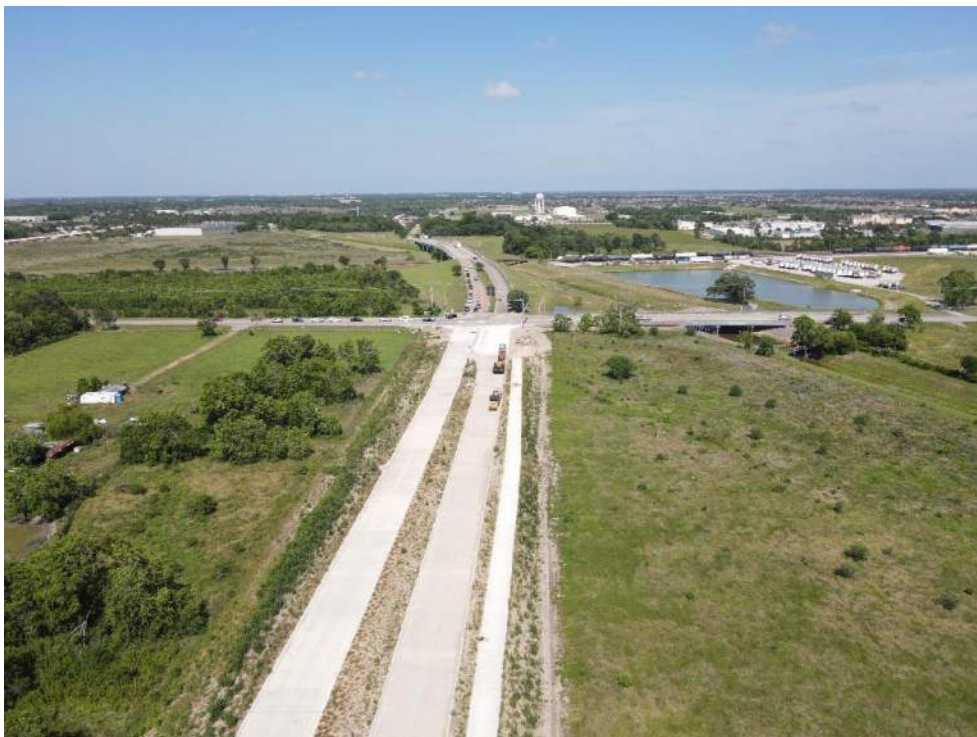




Project Photos:



Cullen at McHard Rd. intersection, looking east.



McHard Rd. at Mykawa Rd.



Hatfield Rd. intersection looking west.



The intersection of O'Day Rd, looking east.



Asphalt paving on Stone Rd.



Asphalt paving at O'Day Rd., looking south.



McHard Rd. night pour between O'Day Rd. and Garden Rd.