



2 March 2022

To: Mayor and City Council members

Regular progress report on the big multi-year, multi-dimensional road and utility project to fill the gap and provide a modern safe road and water/sewer improvement, majority funded through City's success through metro TIP funding. About ~ \$47 million infrastructure work. Clay

McHard Road Extension (Mykawa to Cullen)

Is it in Budget?		Is it on Schedule for the Current Phase per the Contract?		Community Benefit
<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 contractor has started drainage installation at Roy Rd.
 - Extended the drainage line along O'Day Rd. north or south?
 - The installation was delayed two weeks as the church at 1610 O'Day moved their wrought iron fence that was installed in the City's ROW.
 - The previous contractor for the church also constructed a section of the parking lot, landscaping, and irrigation in the McHard ROW and within a water/sewer easement.
 - Projects, Engineering, Public Works, and Community Development staff worked together to resolve the most immediate encroachment concerns at the church property along O'Day Rd. The church has applied for an encroachment agreement and permit to relocate the wrought iron fence that was impacting the drainage installation. The encroachment agreement also requires that if the ROW is needed in the future, the parking, landscaping, and irrigation will be removed by the church.
- **Concrete pavement.**
 - Concrete paving is complete between O'Day Rd. and Mykawa.
 - Both east and west lanes of pavement is in place.
 - The shared use path (sidewalk) is complete.
 - Stone Rd. concrete will be poured in quads (four separate pours) to avoid a total road closure. Southbound, both north and south of the McHard intersection is complete. The low-profile concrete barriers will be moved to begin work on the northbound side of Stone Rd. on March 14.
 - Lime treatment of the subgrade began Feb. 8 at the Woody Rd. and O'Day Rd. in preparation for the upcoming concrete pours at those intersections.
 - Black base will be poured at Hatfield and Woody Rd. on March 14.
- **Traffic was moved to the new pavement between Cullen and Stone and work has started on the southside of the road.**
- **Irrigation System.**
 - The irrigation subcontractor has been on site for the last two weeks.
 - The irrigation sleeves have been installed between Hatfield and Mykawa.



- No pipe has been installed to date, only the sleeves.
- The fiber optics subcontractor has started installing conduit within the project limits.
- Traffic signal installation is complete at Max, Garden, O'Day, and Hatfield Rd.
- Ongoing work includes:
 - Continue to install drainage system.
 - Installing 7 x 3 box culverts between Stone Rd. and Max Rd.
 - Continue installing pavement on the north/south side streets.
 - Continue Installing the signal poles throughout the alignment.
 - Traffic signal modifications at Mykawa

Challenges:

- Previously installed waterline conflicts remain throughout the alignment, mainly at the intersecting streets.
 - Contractor has relocated the waterlines at Max Rd. and the future Max Rd. locations.
 - The waterline conflicts have been resolved.
 - The contractor has submitted a change order that was approved by the project team.
 - The change order is now with TxDOT for approval.
 - The change order will not require City Council approval.
 - Once approved by TxDOT, the work can be completed.
 - Staff is currently negotiating with the contractor to add more time to offset the utility conflict impact on the project schedule.
 - Centerpoint Gas has delayed the relocation of three gas meters that are now in the new ROW.
 - The work order was originally sent to Centerpoint in November, but Centerpoint accidentally cancelled the order twice.
 - Because Centerpoint requires all work on gas meters to be performed by a licensed plumber, the City has commissioned Boyer to relocate the meters.
 - Centerpoint will be on site to reconnect them and perform leak testing and relighting.

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	7,846,966		7,846,966
General Revenue - Cash				-
HGAC TIP		32,580,531		32,580,531
Other Funding Sources - Fund 506 Balance		413,341		413,341
Total Funding Sources		48,587,584	-	48,587,584

Expenditures	To Date	Future	Total
PER			-
Land	6,668,873	432,500	7,101,373
Design	4,495,338	130,000	4,625,338



Construction Contract	30,333,721	1,672,769	32,006,490
Construction Management/Inspection	2,480,193		2,480,193
Construction Materials Testing	425,289	20,000	445,289
FF&E			-
Total Expenditures	44,403,414	2,255,269	46,658,683

Project Contingency	4%	1,928,901
Project Balance		(0)

Project balance includes TIP funds associated with the project.

Schedule Info:

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

Upcoming Work Items:

- The contractor will continue installing drainage box culverts eastward towards Hatfield.
- The subcontractor will continue installing the traffic signal poles at Max Rd., Roy Rd., O'Day Rd., Garden Rd., and Hatfield Rd.
- The subcontractor will continue installing fiber optic conduits.

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



Project Location Map:





Project Photos:



Concrete paving operations at Stone Rd.



Installation of 7 x 3 boxes between Stone Rd. and Max Rd.



Traffic signal installation at O'Day Rd.



Irrigation system installation between Hatfield Rd. and Mykawa Rd.



Existing waterline relocation