

1/23/2019

To: Mayor and City Council members

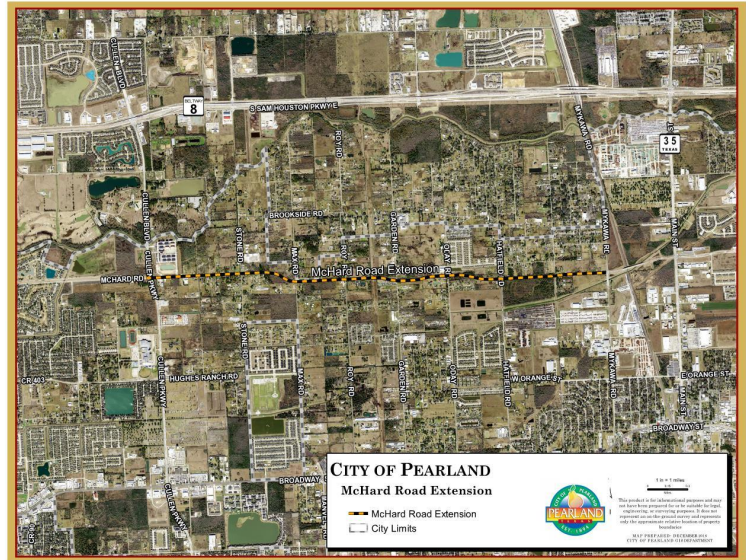
Engineering staff continuing to wind way through TxDOT and Corps of Engineers to deliver as soon as this fall for bidding major Pearland east-west roadway improvement. Clay



McHard Road Extension (Mykawa Rd to Cullen Pkwy)

Scope: The extension of approximately 3.5 miles of McHard Road, from Cullen Parkway to Mykawa Road, consisting of a 4-lane, concrete curb and gutter, divided roadway with raised medians and underground drainage. Includes storm sewers, outfalls and detention, five traffic signals at secondary thoroughfares and major collectors, sidewalks, street lighting and landscaping. This project will be coordinated with the McHard Trunk Sewer extension and McHard Road Water Line Extension. Run approximately 38,000' of fiber from Country Place Parkway/Smith Ranch Road to SH 35/Main St.

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 SH288 and SH35. The project was selected by H-GAC to receive 80% federal funding for design and construction through the 2013 TIP. A design engineer has been selected, a contract negotiated and design is underway with a target of meeting a letting date of 2019.



Project Manager: Jennifer Lee

Designer: Freese and Nichols, Inc.

Contractor: N/A

Budget Info:

Funding Sources	Series	To Date	Future	Total Budget
Certificates of Obligation			5,833,410	5,833,410
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	2,742,097		2,742,097
General Obligation Bonds			7,748,362	7,748,362
General Revenue - Cash				-
HGAC TIP		12,525,275	20,055,256	32,580,531
Other Funding Sources - Fund Balance		413,000		413,000
Total Funding Sources		16,673,053	33,637,028	50,310,081

Expenditures	To Date	Future	Total
PER			-
Land	2,421,571	2,470,718	4,892,289
Design	4,545,018		4,545,018
Construction Contract	88,423	34,575,000	34,663,423
Construction Management/Inspection		1,600,000	1,600,000

Construction Materials Testing FF&E	400,000	400,000	-
Total Expenditures	7,055,012	39,045,718	46,100,730
Project Balance/Contingency			4,209,351

Schedule Info:

	<i>Base Line</i>	<i>Current</i>
Design Start	August-14	August-14
Bid Start	April-17	August-19
Construction Start	January-20	
Proposed Construction Completion	January-22	

Rain Days: N/A

Highlights:

- Design Consultant attention is focused on the wetlands permitting with efforts to prepare an U.S. Army Corps of Engineers (USACE) Individual Permit application:
 - The project submitted a delineation of existing wetlands to USACE in September, 2016 after being told that the subject wetlands were non-jurisdictional. Verification of a wetlands delineation is generally a 3 to 6 month process. The Corps finally responded 20 months later, in May, 2108, with a Jurisdictional finding requiring an Individual Permit and greater than 1:1 mitigation.
 - In June of 2018, the City began preparing the Individual Permit as required to mitigate the impacted wetlands and reviewing options for Mitigation.
 - Also in June 2018, the City began working with a local property owner to explore the possibility of moving a proposed detention ponds to a location that would reduce the impact on the wetlands and the remaining usable property.
 - It has since been determined that moving the pond would not substantially reduce the wetland impacts enough to justify the move and the cost and time required to redesign the pond does not fiscally justify the reduction in the environmental impacts.
 - Berg Oliver Associates was commissioned to develop a mitigation strategy and plan.
 - The premise of the plan is to either expand the City's existing mitigation bank if possible or to purchase credits from a mitigation bank which will be very costly since there are no banks available within our immediate area.
 - Berg Oliver Associates is expected to complete the full mitigation plan by the end of February 2019. The complete plan is not needed for the application to the USACE.
 - The City recently learned that the project can have the Individual Permit reviewed through an agreement between TxDOT and the USACE in order to expedite the review process.
 - The agreement dedicates a reviewer to this project through issuance of the permit. The design engineer submitted the application to TxDOT on January 21, 2019 to start the review and submission process to the USACE.

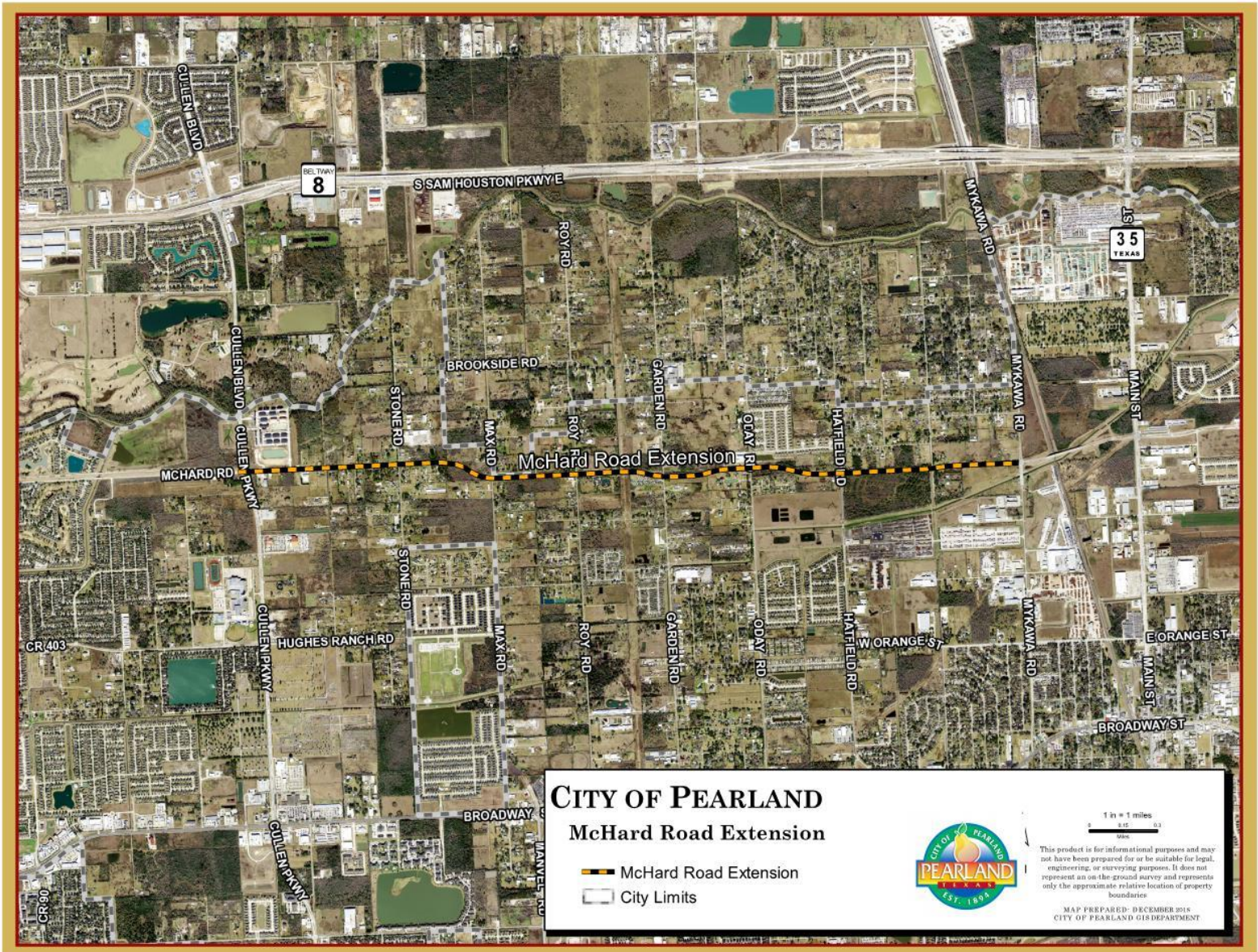
- The City received authorization from TxDOT to begin acquisition of property in May 2018.
 - There are now 76 parcels identified along the McHard Road alignment.
 - Currently, there are 42 parcels in closing.
 - In addition to individual property owners, there are some private utilities within the alignment that the city is preparing agreements to either encroach on or acquire easements.
 - The acquisitions and agreements are expected to be complete by May 2019.

Upcoming Work Items:

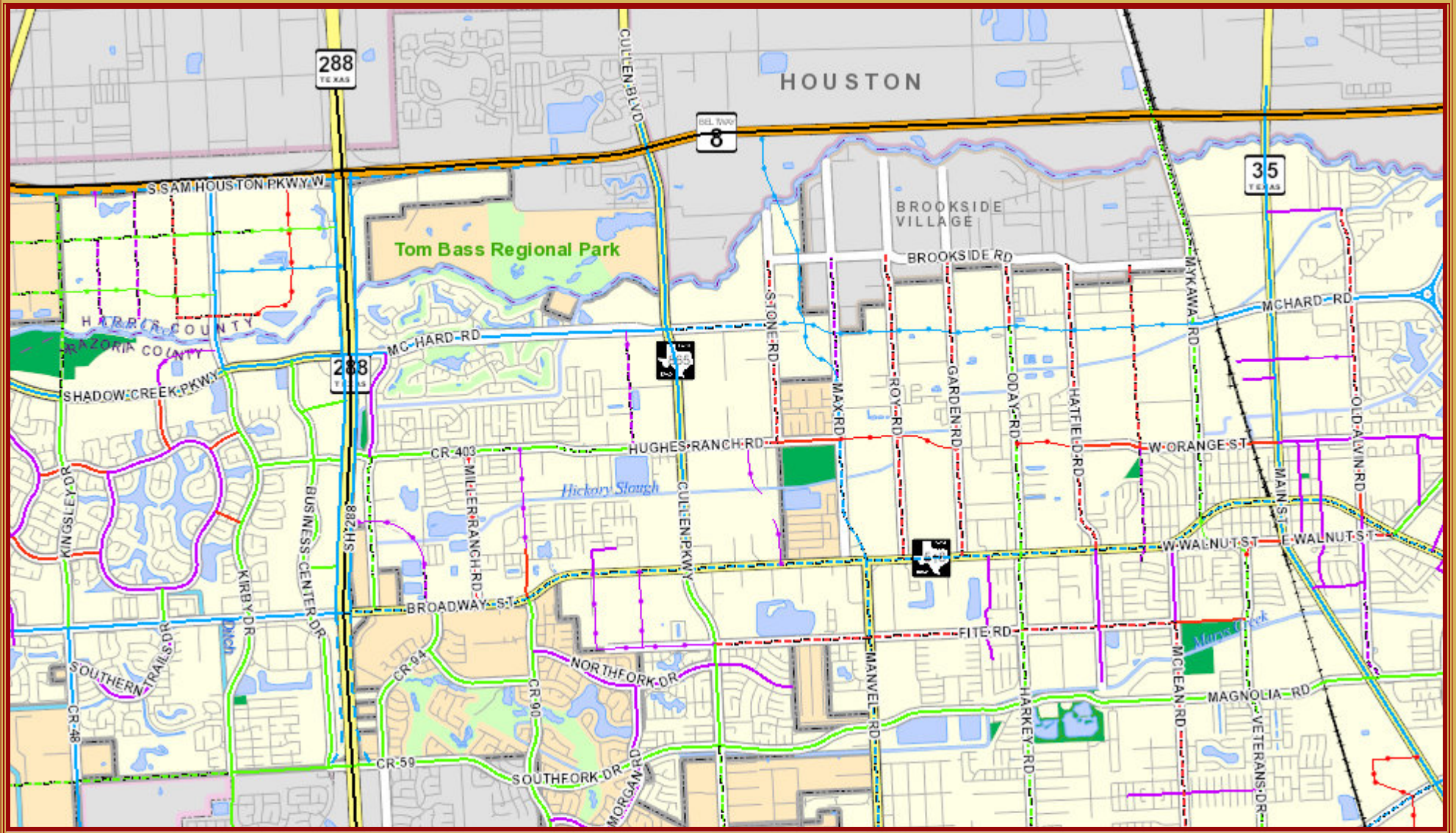
- The design of the McHard Road is approximately 95% complete.
- 95% plans will be submitted to TxDOT for review at the end of January 2019.
- An Individual Permit for wetlands mitigation will be submitted to the USACE within the next 30 days.

Previous Memos: October 2015, April 2015, October 2015, February 2016, October 2016, January 2017, May 2017, August 2017, March 2018, May 2018.

Project Location Map:



VICINITY MAP



Legend/Notes

Thoroughfare Plan

- Major Thoroughfares - Sufficient Width
- - - Major Thoroughfares - To Be Widened
- · - · - Major Thoroughfares - To Be Acquired
- · - · - Major Thoroughfares - Proposed Frontage Road
McHard Road Extension (Mykawa Rd to Cullen Parkway)

- Secondary Thoroughfares - Sufficient Width
- - - Secondary Thoroughfares - To Be Widened
- · - · - Secondary Thoroughfares - To Be Acquired
- Major Collector Streets - Sufficient Width
- - - Major Collector Streets - To Be Widened

- · - · - Major Collector Streets - To Be Acquired
- Minor Collector Streets - Sufficient Width
- - - Minor Collector Streets - To Be Widened
- · - · - Minor Collector Streets - To Be Acquired
- Freeway

1:58,251

1 inch = 4,834 feet



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MAP PREPARED: JANUARY 23, 2019

