

2/26/2020

To: Mayor and City Council members
Update on Pearland Parkway and McHard rotary reconstruction.
Clay



Pearland Parkway Traffic Circle Modifications

Scope: The project scope consists of the design and improvements to the existing rotary traffic circle at the intersection of Pearland Parkway and McHard to provide a more conventional geometry with a two-lane roundabout with an outside by-pass lane designed for higher speeds for the right turn movements. The project will also include the installation of sidewalks to connect existing gaps identified along the route and provide pedestrian connectivity.



Justification: Reconfiguration of the traffic rotary will improve traffic flows by providing for higher speed by-pass movements that result in a right existing movement and reduce conflicts resulting from the existing two-lane configuration. Reducing the traffic circle diameter by constructing a roundabout per Federal Highway Administration (FHWA) roundabout design criteria will provide the traffic calming effect needed to improve intersection safety.

Reducing the traffic circle diameter by constructing a roundabout per Federal Highway Administration (FHWA) roundabout design criteria will provide the traffic calming effect needed to improve intersection safety.

Project Manager: Fatema Weekly

Designer: Alliance Transportation Group, Inc.

Contractor: N/A

Budget Info:

Funding Sources	Series	To Date	Future	Total Budget
General Revenue - Cash				-
Certificates of Obligation				-
General Obligation Bonds	TBS	3,272,000		3,272,000
General Obligation Bonds				-
W/S Revenue Bonds				-
Impact Fee - Debt				-
Other Funding Sources				-
Total Funding Sources		3,272,000	-	3,272,000

Expenditures	To Date	Future	Total
PER			-
Land			-
Design	389,404		389,404
Construction		2,200,000	2,200,000
Construction Management/Inspection			-
Construction Materials Testing		220,000	220,000
FF&E			-
Total Expenditures	389,404	2,420,000	2,809,404

Project Balance/Contingency			462,596
------------------------------------	--	--	----------------

Schedule Info:

	Base Line	Current
Design Start	July-19	July-19
Bid Start	January-20	April-20
Construction Start	June-20	
Proposed Construction Completion	August-21	

Rain Days: N/A

Highlights:

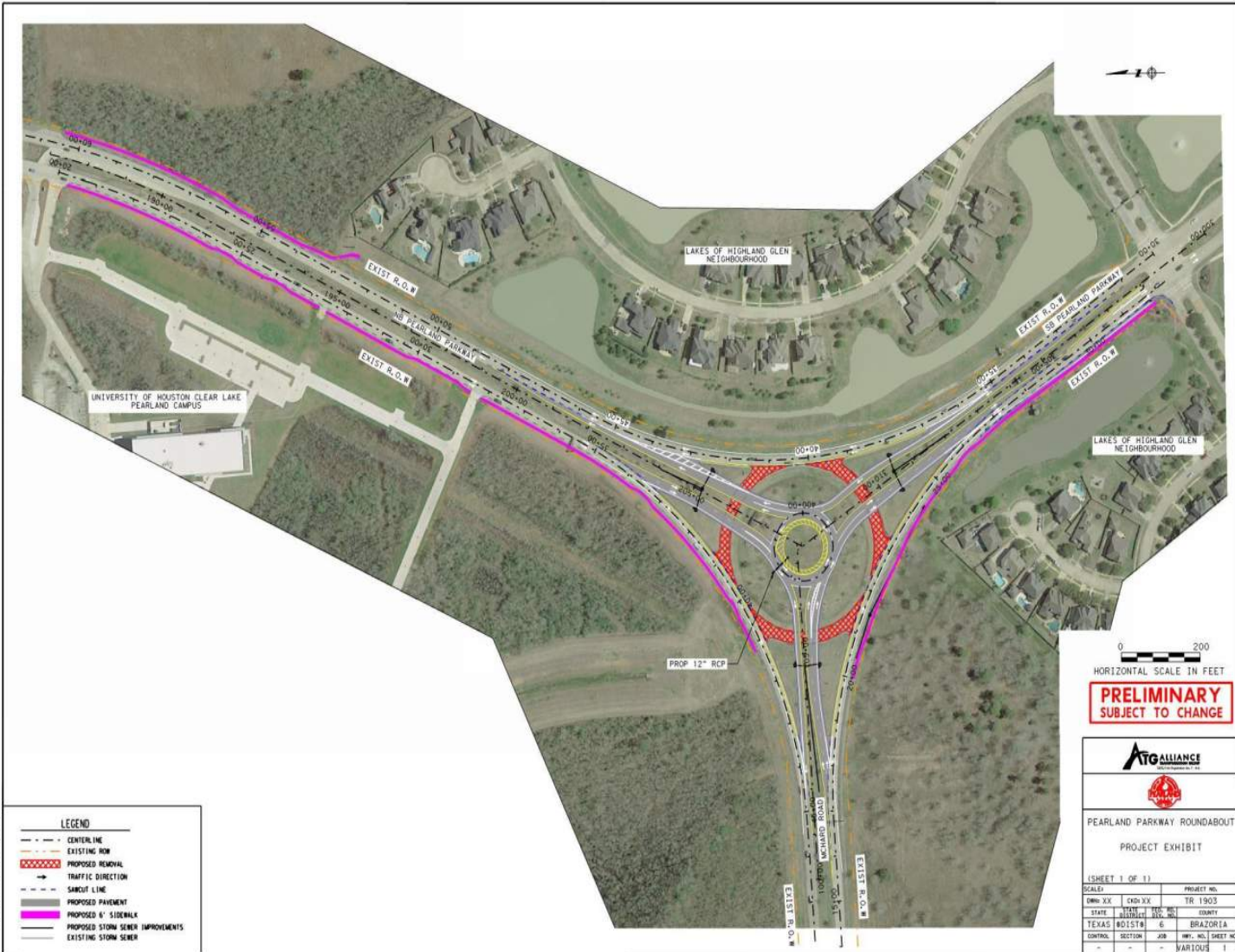
- Staff is working with the designer to resolve traffic speed of merging issues and minor ponding/drainage issues and have provided direction for both.
- Projects Staff is working with the City's Urban Forester to determine current and future disposition of existing trees with the goal to relocate rather than simply remove these trees.
- Per the project schedule, Staff received 60% construction documents December 16, 2019. Staff have reviewed and provided comments to the Engineer. **Current Engineer's Opinion of Probable Construction Cost shows the project to be within budget with projected costs of \$2,227,969.**

Upcoming Work Items:

- **Design Engineer to finalize and submit 90% plans, specifications and construction cost estimate.**
- Review desired tree transplant list to determine the probability of relocating vs. removal of identified trees.
- **Staff plans to meet with the Homeowners Association mid-February to discuss the project and the design of the roundabout.**
- Schedule the required project Technical Review Committee (TRC) to review final project plans by the City Engineer.
- Prepare for Bid Phase expected to commence in April 2020.

Previous Memos: 6/20/19, 11/27/19

Vicinity Map



2/11/2020 3:54:54 PM
2019_0096-EXHIBIT_001

LEGEND	
	CENTERLINE
	EXISTING ROW
	PROPOSED REMOVAL
	TRAFFIC DIRECTION
	SHOULDER LINE
	PROPOSED PAVEMENT
	PROPOSED 6' SIDEWALK
	PROPOSED STORM SEWER IMPROVEMENTS
	EXISTING STORM SEWER

0 200
HORIZONTAL SCALE IN FEET
PRELIMINARY
SUBJECT TO CHANGE

ATG ALLIANCE
PEARLAND PARKWAY ROUNDABOUT
PROJECT EXHIBIT

(SHEET 1 OF 1)

SCALE	PROJECT NO.
DATE	TR 1903
STATE	COUNTY
TEXAS	BRAZORIA
CONTROL SECTION	JOB
-	VARIOUS
-	1