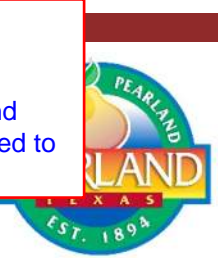


12/19/2019

To: Mayor and City Council members

Two neighborhood street reconstructions, including water, sewer, and drainage upgrades, for existing neighborhood reinvestments. Planned to start construct next August. Clay



Street Reconstruction (Linwood Oaks & Orange Circle)

Scope: The streets within Linwood Oaks subdivision designated for improvement are Briar Circle, Linwood Oaks, and Yupon Circle. This project involves reconstructing these streets with new 6" thick concrete curb & gutter pavement and includes the reconstruction of existing storm sewer inlets at Plum Street. Orange Circle is planned to be reconstructed with new 6" thick concrete curb & gutter pavement and includes the reconstruction of existing storm water inlets on Orange Circle North and Orange Circle South. This project also includes the replacement of 1000-feet of existing water lines on Orange Circle and approximately 700 feet of water line on Mykawa Road between Orange Street and Orange Circle.



Justification: In 2015 the City Council was presented with results of the Rights of Way Assessment Program Study which showed the current pavement condition index (PCI) rating score to be at 76/100. To maintain the current score of 76 an annual investment of \$3.75 million (2014 dollars). This recurring portion of the pavement program will focus on the reconstruction of the streets identified in the Assessment as requiring reconstruction. The other portion of the program will focus on the maintenance of streets through the operating budget. Replacement of the waterline is required due to the reconstruction of the street and utilities being located in close proximity to the pavement. Additionally, the existing waterline is transite pipe and due to age will be replaced with PVC pipe.

Project Manager: Mahagony Isabell

Designer: ARKK Engineers

Contractor: N/A

Budget Info:

Street Reconstruction

Funding Sources	Series	To Date	Future	Total Budget
General Revenue - Cash				-
Certificates of Obligation				-
Certificates of Obligation				-
General Obligation Bonds	TBS 2020	2,230,000		-
General Obligation Bonds				-
W/S Revenue Bonds				-
Impact Fee - Debt				-
Other Funding Sources				-
Total Funding Sources		2,230,000	-	2,230,000

Expenditures	To Date	Future	Total
PER			-
Land			-

Design	200,570		200,570
Construction		1,503,323	1,503,323
Construction Management/Inspection			-
Construction Materials Testing		37,500	37,500
FF&E			-
Total Expenditures	200,570	1,540,823	1,741,393

Project Balance/Contingency			488,607
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Orange Circle Waterline

Funding Sources	Series	To Date	Future	Total Budget
General Revenue - Cash				-
Certificates of Obligation				-
Certificates of Obligation				-
General Obligation Bonds				-
System Revenue - Cash		240,000		240,000
W/S Revenue Bonds				-
Impact Fee - Debt				-
Other Funding Sources				-
Total Funding Sources		240,000	-	240,000

Expenditures	To Date	Future	Total
PER			-
Land			-
Design	27,635		27,635
Construction		176,700	176,700
Construction Management/Inspection			-
Construction Materials Testing		4,400	4,400
FF&E			-
Total Expenditures	27,635	181,100	208,735

Project Balance/Contingency			31,265
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Schedule Info:

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

Highlights:

- The Engineer completed the survey for the project in October. Survey was performed using a combination of strategies for dealing with occupied lots. Boots on the ground was used in public areas and aerial drone surveying was used for backyard and backlot topographic work.

- Staff held a progress meeting with the Engineer on October 17, 2019 to review the current status and ensure progress of the project.
- In October, the 30% plan set was submitted for review. Comments were returned to the Engineer on November 4th.
- The Orange Circle portion of this project is one of four projects in the immediate area that outfall to the Mykawa roadside ditch between Orange Street and Cherry Street, which Brazoria Drainage District No. 4 (BDD4) will soon convert to an underground box culvert. The box culvert sizing is being coordinated with the Orange Circle Street reconstruction project, the Mykawa Road project, the Willowcrest Drainage Improvements, and Mimosa Acres Drainage Improvement projects.
- Due to the time taken to coordinate all five projects with BDD4 to ensure all collectively work together and meet the drainage criteria the design has not advanced as quickly as planned.

Upcoming Work Items:

- City to follow-up and provide information and addresses of residents on Plum Street with yard flooding history
- City Staff (Public Works) will televise storm sewer along Orange Circle to ensure no adverse effects if storm is relocated to ROW.
- The 60% plan submittal will be complete in January, followed by a review meeting.
- Staff is preparing to have public meetings with the neighborhoods to discuss and receive feedback on the scope of work, traffic control, phasing, and schedule. Timing to be determined based on design progress.

Previous Memos:

N/A

Project Location Map:

VICINITY MAP



Legend/Notes

Parcels

Orange Circle



1:2,400
1 inch = 200 feet



NORTH
This product is for informational purposes only and may not be prepared or be suitable for legal, engineering, or surveying purposes.

MAP PREPARED: DECEMBER 17, 2019

VICINITY MAP



Legend/Notes

- Parcels

Linwood Oaks



1:4,800
1 inch = 400 feet

NORTH
This product is for informational purposes only and may not be prepared or be suitable for legal, engineering, or surveying purposes.

MAP PREPARED: DECEMBER 17, 2019