

23 December 2020
To: Mayor and City
Council members
Successful completion on Mykawa
Lift Stations. Clay

Mykawa Lift Stations

Is It On Budget?		Is It On Schedule?		Community Benefit
Yes	□ No	Yes	□ No	Relocates lift stations out of the future Mykawa Road expansion footprint and Improves Sanitary Conditions in the community.
		Project F		
		Constru		

Highlights: Since the last project update the contractor, Black Castle, has completed the following on Package 2:

- Orange/Mykawa LS conducted load test on Friday (10.30.2020).
- On November 5, City Staff and Blackcastle along with the electrical subcontractor held a start-up meeting for the Control Panels at the Orange and Scott Lift Stations.
- On November 23 City Staff and Blackcastle held another field meeting to go over the punch list items from the Start up meeting. These items were addressed and resolved.
- On November 30 Nerie Construction made their connection from Package 2 to Package 3.
- The project is substantially completed as of, December 9.
- As of December 16, 2020 the Orange/Mykawa LS has been deenergized by Centerpoint Energy.
- The old Scott/Mykawa LS was demolished on December 7.

Budget Info:

Funding Sources	Series	To Date	Future	Total Budget
General Revenue - Cash				-
Certificates of Obligation				-
Certificates of Obligation				-
W/S Revenue Bonds	2017	795,000		795,000
W/S Revenue Bonds	2018	5,551,620		5,551,620
Impact Fee - Debt				-
Other Funding Sources		898,421		898,421
Total Funding Sources		7,245,041	-	7,245,041

Expenditures	To Date	Future	Total
PER	93,712		93,712
Land	84,776		84,776
Design	554,113		554,113
Construction	5,501,786		5,501,786
Construction Management/Inspection			-
Construction Materials Testing	53,000		53,000
FF&E			-
Total Expenditures	6,287,388	-	6,287,388

Schedule Info:

	Base Line	Current
Design Start	May-16	May-16
Bid Start	August-17	April-19
Construction Start - Package 1	July-19	August-19
Construction Completion - Package 1	February-20	December-19
Construction Start - Package 2	July-19	September-19
Proposed Construction Completion - Package 2	September-20	December-20
Construction Start - Package 3	July-19	August-19
Construction Completion - Package 3	March-20	May-20

Rain Days: 25

Upcoming Work Items:

The project is substantially completed, since both Lift Stations are now up and running.

• The old Shank/Mykawa lift station gravity line will need to be connected to the new system in order to disconnect the lift station.

Project Manager: Darcy Gomez

Designer: 5Engineering, LLC

Contractor: (Package 1&3)- Nerie Construction, LLC (Construction Completed)

(Package 2) - Black Castle General Contractor



Project Location Map:



Scope: Project includes installation of 18" gravity sewer on Hatfield Rd: the replacement and relocation of the Orange-Mykawa Lift Station to the ROW adjacent to Town Ditch to be served with the installation of a 12" gravity sewer line~3,400 LF along Mykawa from Orange to Walnut, and 8" force main from Mykawa west 2500 LF to Hatfield Rd; abandonment Shank Street Lift Station; replacement and relocation of Mykawa-Scott Lift Station, installation of new 8-inch force main for approximately 2,500 LF from Mykawa to SH35, and new 8-12-inch gravity line approximately 3,450 LF along Mykawa from Scott to Shank. Project will be coordinated with Mykawa Road construction.

Justification: Orange-Mykawa Lift Station will require a major rehabilitation within the next five years and is poorly located for servicing the area. The project will eliminate an existing inverted siphon in a gravity line and relocate the Orange-Mykawa Lift Station. In addition, the project will eliminate the Shank Street Lift Station and relocate the Scott Street Lift Station presently in conflict with the future Mykawa Road Widening.

Previous Memos: 01/26/17;04/27/16;02/02/17;09/21/17;02/15/18;06/27/19;07/03/19;11/07/19;05/21/2020; 07/23/2020





Package 2 - Scott/Mykawa LS





Package 2- Orange/Mykawa LS



Package 2 - Orange/ Mykawa New Generator





Package 2 - Orange/Mykawa LS Enclosure

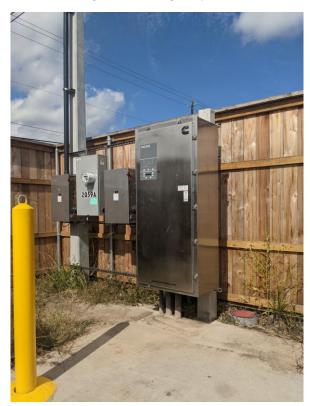


Package 2 - New Electrical Control Panel at Orange/Mykawa LS





Package 2 – Orange/Mykawa LS



Package 2 – Orange/Mykawa LS