



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 <i>Relocates lift stations out of the future Mykawa Road expansion footprint and Improves Sanitary Conditions in the community.</i>
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<b>Project Phase?</b>				
Construction				

**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
<b>Total Funding Sources</b>		<b>7,245,041</b>	-	<b>7,245,041</b>

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			-
<b>Total Expenditures</b>	<b>6,287,388</b>	-	<b>6,287,388</b>



**Project Balance/Contingency**

**957,653**

**Schedule Info:**

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





**Project Photos:**



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