



MONTHLY PROJECT STATUS REPORT

Subject: **HEBER PUBLIC UTILITY DISTRICT – WATER TREATMENT PLANT EXPANSION
SRF Project No. 1310007-002C**

Date: September 13, 2017

From: Juny Marmolejo, Project Engineer, The Holt Group, Inc.

To: Laura Fischer, General Manager, Heber Public Utility District

Cc: Board President and Directors, Heber Public Utility District
Francisco Rodriguez, Chief Operator, Heber Public Utility District
James G. "Jack" Holt, P.E., Principal Engineer
Sameer Patel, P.E., Resident Engineer

Project:

- Expansion of the Water Treatment Plant from 2 million gallons per day (MGD) to 4 MGD.
- Facility improvements to reduce Total Trihalomethanes (TTHM) in potable water.

Summary of Construction Progress:

- Project Completion Percentage: 99 %
- Coating for various facilities throughout the site
- Installation of grating and handrails for various facilities
- Demolition of existing Raw Water Pump Station
- Clarifier/Filter Treatment Unit – Start-up and Programming of all three Units
- Finish Water Pump Station – Start-up and Programming of all three pumps
- Site Grading –
 - Construction of Access Roads
 - Grading of Native Soil around existing facilities
- Clean up of Project Site
- High Service Pump Station
- Install Chlorine Residual Analyzing and Turbidity analyzing Assemblies and Pipeline for various facilities leading into the High Service Pump Station Building
- Electrical and Controls
 - Installation of new SCADA System
 - Transfer from old SCADA System to new SCADA System
- Contractor to continue with punchlist items throughout September.

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Construction Schedule:

- Start: March 1, 2016
- Total Contract Days: 410 calendar days
 - Original Contract Days: 355 Calendar days
 - Additional Contract Days via Change Orders: 40 Days
 - Additional Contract Days via Weather (rainy Days): 15 Days
- End of Contract Date: April 15, 2017
- Currently Scheduled Completion Date: September 15, 2017 – 563 Calendar Days
- Construction Days To Date: 569 days (September 21, 2017)

Construction Cost:

- Contract To Date:\$8,671,419.58
 - Original Contract:\$8,129,000.00

- Expended To Date: approximately\$8,550,000.00

- Construction Contingency:\$750,866.29
 - SRF Construction Contingency.....\$734,735.00
 - SRF Ineligible (HPUD Funded).....\$16,131.29

Change Orders:

- HPUD Change Orders Previously Approved.....\$703,217.86
 - Change Order Nos. 1, 2, 4 through 9, 11 – \$588,086.58
 - Change Order for Additional CM – \$99,000.00
 - Change Order Nos. 3 & 10 (Tank Logo & WTP Sign) – Not in SRF Contract - \$16,131.29

- Change Order Approval Request:\$30,541.60
 - If Approved, Total Change Order Amount:\$733,759.46
 - If Approved, Remaining Construction Contingency:\$975.54*
 - * Does not Include SRF Ineligible Amount \$16,131.29

- **Total Change Approval Request:**
 - **Change Order No. 12 – \$30,541.60**

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- **HPUD Change Order No. 12 for Approval by HPUD Board on September 21st: \$ 30,541.60**
 - Repairs to Roof Panels of 3 MG Tank: \$ 640.74
Repairs to loose roof panel connections to the 3 MG Water Tank.
 - Contract Days: estimate of 160 calendar days.
Project is on schedule for completion in the third week of September.
Contractor requests of additional contract days for unforeseen conditions.
 - Chemical Injection Inlet for Clarifier/Filter Units: \$ 2,052.00
Installation of three (3) new new injection quills for the Clarifier/Filter Units.
 - Limit Switches for Surge Anticipator Valve: - \$ 1,619.25
Installation of a limit switch at surge anticipator valve at high Service Pump Station. The limit switch is required for triggering an alarm in case of a by-pass flow.
 - Removal of old Booster Pumps: \$2,053.12
Removal of old booster pumps and motors for the High Service Pump Station and salvage to HPUD Operators.
 - Electrical for Blower's Thermal Switch and Cathodic Protection: \$5,846.41
Replacement of electrical conduit and wiring for Clarifier/Filter Units' Blowers' thermal switches. Repair of previously damage electrical wiring conduit and wiring for the 1.7 MG Tank, to have cathodic protection placed back into operation.
 - Chlorine Analyzer and Turbidity Meter Station: \$35,883.00
Relocation of new Chlorine Analyzers and Turbidity Meters in an air conditioned building, and installation of new drain pipeline to discharge sampled water.
 - Relocation of Turbidity Meter and Sample point as directed by DDW: \$12,267.08
Upon review and inspection by Division of Drinking Water (WTP regulatory agency) it was requested that a previously installed turbidity meter and sample point be relocated to different areas of the water treatment plant.
 - Credit for Permit Fees by Contractor: \$29,820.00 (credit)
Remaining permit fees that were not utilized in Permit Fee Bid line item.

Outage of Facilities:

- There are no planned water outages for the water distribution system.
- Pacific Hydrotech is working closely with Operators and The Holt Group for temporary water treatment facility's halt. The treatment halt is required to construct electrical and control of various facilities including the Clarifier/Filter Units and SCADA system. The water treatment halt does not affect distribution of potable water as HPUD has sufficient capacity to distribute water during the halt.