

**IRONHOUSE SANITARY DISTRICT
WASTEWATER TREATMENT PLANT
EXPANSION PROJECT**



CONSTRUCTION MANAGEMENT

PROGRESS REPORT No. 17

September 2010

SUMMARY OF CONSTRUCTION STATUS

Contractor: Western Water Constructors, Inc

| | |
|--|------------------|
| Base Contract Amount..... | \$ 54,455,209.00 |
| Change Orders Executed..... | \$ 265,830.53 |
| Total Contract Cost..... | \$ 54,721,039.53 |
| Contract Amount Earned..... | \$ 35,569,563.00 |
| Progress Payment for September 2010 (includes retention) | \$ 3,505,797.00 |
| Retention Withheld..... | \$ 175,290.00 |
| Previous Progress Payments (excludes retention)..... | \$ 33,791,085.00 |
| Estimated Percent Complete..... | 65% |

Schedule

| | |
|--|------------------------|
| Notice to Proceed..... | April 20, 2009 |
| Base Contract Duration..... | 900 consecutive days |
| Original Completion Date..... | October 6, 2011 |
| Time Extension Authorized..... | 1 day |
| Revised Duration | 901 consecutive days |
| Revised Completion Date..... | October 7, 2011 |
| Weather Days (included in base duration) | 40 days |
| Weather Days Expended (included in time expended)..... | 15 days |
| Time Expended..... | 529 Days |
| Percent Time Expended | 58.7% |

Construction Manager's Summary

1. Schedule

The Contractor's current project schedule shows the project is on schedule. The critical path runs through the Chemical/Blower Building, Headworks, and Startup Activities.

A one day non-compensable time extension was granted due to PG&E activities not related to the project. PG&E shut down power to the project site to accommodate their off-site work. PG&E's activities were beyond the control of the District and Contractor.

The outfall construction continues to lag the Contractor's original schedule. The Contractor is developing a recovery schedule to complete the work within the permitted outfall installation window. The District requested an extension of the work window to provide the contractor additional time to complete the installation.

2. Work Progress

GENERAL

Piping

The majority of below grade yard piping has been installed. No significant yard piping was installed in September.

Installation of electrical ductbank continued throughout the site.

Influent Pump Station

The reapplication of the IPS coating failed. The Contractor and District continue to work with the coating supplier and applicator to determine the cause of the coating issues.

The Septage Receiving Station adjacent to the IPS was placed.

Headworks

Concrete placement at the Headworks was completed. Concrete finishing is on-going. Installation of metal stud framing began.

The mechanical installation continued. The Grit Pumps, Grit Classifier, and Mechanical Barscreens were placed.

Electrical gear was placed in the main electrical room.

Anoxic/Aeration Basins

Water testing the structure continued.

Installation of the 24" RAS piping and pipe supports for Aeration Air piping continued.

Electrical conduit and control panels installation continued.

MBR and Backpulse Tank

The Backpulse Tank was coated and coating of the MBR began. Finishing the exterior concrete continued.

Chemical/Blower Building

Roofing was completed and coating of the interior steel began. Electrical installation and testing is on hold until the interior coating is completed.

Solids Handling Building

Installation of the metal building continued. The south concrete approach slab was completed and the work began on the north side. Finishing of interior concrete continued.

Screw conveyors were installed and miscellaneous piping throughout the structure began.

Installation of electrical conduit continued.

UV/Effluent Pump Station

Concrete coating was completed.

Effluent Pumps were installed.

Structural Steel installation began.

Outfall Pipeline

Work at the outfall continued. Dredging was completed, base rock was placed, and the pipe outfall pipe was lowered into position.

The contractor is behind his planned schedule and will develop a schedule to complete the work within the permitted window. The District requested an extension from the permitting agencies to provide additional time for the Contractor.

3. Contract Changes

No contract change orders were issued in September.

4. Testing

Backfill material placed around the pipelines and subgrades and base rock at the structures were tested to confirm compliance with the project specifications.

Concrete cylinder samples were taken during concrete placements and will be tested for conformance to the project documents after curing.

5. Anticipated Work for Next Month

Installation of the 30" OF Lines may begin. The Contractor will schedule this work when crews busy elsewhere on site become available.

Water testing the headworks and coating of the channels will begin.

Water testing and pipe installation at the AA Basins will continue.

Mechanical installations at the MBR will begin.

Coating application at the Chem/Blower Building will be completed and work will resume on the electrical installation and testing.

Structural steel at the Solids Handling Building will continue. Mechanical and electrical installation will continue.

Outfall installation will be completed.

Electrical conduit and ductbank will continue throughout the site.

Factory testing and on site testing of control panels, MCCs and switchgear will continue.

PROJECT ADMINISTRATION

SUBMITTAL STATUS

| | Received | | Returned | Pending |
|------------------------------------|----------|-----------|----------|---------|
| | To Date | September | To Date | |
| First Time Shop Drawing Submittals | 551 | 22 | 543 | 8 |
| Request for Information | 659 | 19 | 648 | 11 |

CHANGE ORDER SUMMARY

| | Number | Amount |
|--------------------------------------|--------|--------------|
| Change Orders Executed in September | 0 | \$0.00 |
| Change Orders Executed to Date | 56 | \$271,212.53 |
| Percent to Date of Original Contract | | 0.50 % |

WEATHER RELATED DELAYS

| | Days |
|-----------------------------------|------|
| Base Contract Allowance | 40 |
| Weather Related Days in September | 0 |
| Weather Related Days to Date | 15 |



Grit Classifier Lowered Into Place on the Headworks Deck



Chem/Blower Building Roofing Installation



Solids Handling Building Metal Building Installation



Overhead Screw Conveyor Installation at the Solids Handling Building



Structural Steel Installation at UV Structure
Effluent Pumps Installed



Outfall Pipe In Position Ready to be Sunk Into Place