

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



CONSTRUCTION MANAGEMENT

PROGRESS REPORT No. 21

January 2011

SUMMARY OF CONSTRUCTION STATUS

Contractor: Western Water Constructors, Inc

Base Contract Amount.....	\$ 54,455,209.00
Change Orders Executed.....	\$ 357,512.53
Total Contract Cost.....	\$ 54,812,721.53
Contract Amount Earned.....	\$ 46,411,853.00
Progress Payment for January 2010 (includes retention)	\$ 2,562,186.00
Retention Withheld.....	\$ 128,109.00
Previous Progress Payments (excludes retention).....	\$ 41,657,184.00
Estimated Percent Complete.....	84.4%

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.....	652 Days
Percent Time Expended	72.4%

Construction Manager's Summary

1. Schedule

The Contractor provided an updated schedule showing completion 70 days late. After reviewing the schedule it was determined the Process Control Testing activities were shown sequentially. After grouping these activities as allowed per the project documents and as the activities are expected to occur in the field, the project is scheduled for completion on time. The critical path runs through the electrical installation at the Headworks and MBR, Process Control Testing, and the Final Acceptance Testing.

2. Work Progress

Piping

Installation of miscellaneous small diameter piping continued. Influent manholes were coated.

Influent Pump Station

Exhaust fans and related ductwork were installed. Influent pumps were started up and testing of the related instruments and controls began.

Headworks

Mechanical and electrical work in preparation for startup and testing activities continued. Doors, windows, and drywall were installed in the laboratory, offices, and restroom. Installation of the HVAC system continued. Installation of exterior staircases and handrail began.

Anoxic/Aeration Basins

Installation of the aeration diffuser supports and piping continued. Air piping was tested. Exterior staircases and handrail installation began.

MBR and Backpulse Tank

Installation of membrane air, permeate, and backpulse piping continued. Structural steel was coated. Miscellaneous hand stations and panels were installed and wire pulls began.

Chemical/Blower Building

PG&E power was turned on. Installation of conduit and wire and piping continued.

Solids Handling Building

Installation of doors, windows and drywall continued. Skylights were installed. Installation of electrical equipment and wire continued.

UV/Effluent Pump Station

The structural steel was painted and effluent piping was installed. The roof was completed at the analyzer building, the structural steel was coated and the door was installed.

3. Contract Changes

Six contract change orders were issued in January for a net total of \$913.00.

4. Testing

Backfill material placed around miscellaneous pipelines was tested to confirm compliance with the project specifications. Minimal soil testing is anticipated until final grading and paving work begins in the spring.

No concrete cylinder samples were taken during January. No additional concrete testing is anticipated as all significant concrete placements have been completed.

5. Anticipated Work for Next Month

Miscellaneous small diameter piping installation will continue throughout the site.

The monorail crane will be installed and startup and testing will continue at the Influent Pump Station.

The startup activities will begin on the headworks equipment. The SCADA control network will be installed and tested.

Air diffuser piping will be installed and RAS piping will be painted.

Preparation for the manufacturer to install MBR equipment will continue. The bridge crane will be installed.

Installation of chemical equipment and piping at the Chem/Blower and Solids Handling Building will continue.

The bridge crane will be installed at the UV Structure. Installation of the UV equipment will begin.

Painting of pipes and structures will continue throughout the site.

Electrical wire pulls and termination will continue throughout the site.

Fiber optic installation will continue.

PROJECT ADMINISTRATION

SUBMITTAL STATUS

	Received		Returned	Pending
	To Date	January	To Date	
First Time Shop Drawing Submittals	632	16	622	10
Request for Information	748	21	741	7

CHANGE ORDER SUMMARY

	Number	Amount
Change Orders Executed in January	6	\$913.00
Change Orders Executed to Date	88	\$357,512.53
Percent to Date of Original Contract		0.66 %

WEATHER RELATED DELAYS

	Days
Base Contract Allowance	40
Weather Related Days in January	0
Weather Related Days to Date	15



Influent Manhole Coating



Influent Pump Station Odor Control Fan and Ductwork



Laboratory HVAC Ductwork Installation at Headworks



Aeration Basin Diffuser Installation



Skylight Installation at the Solids Handling Building



Wire Terminations at the Solids Handling Building Transformer