

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



CONSTRUCTION MANAGEMENT

PROGRESS REPORT No. 28

August 2011

SUMMARY OF CONSTRUCTION STATUS

Contractor: Western Water Constructors, Inc

Base Contract Amount.....	\$ 54,455,209.00
Change Orders Executed.....	\$ 871,799.00
Total Contract Cost.....	\$ 55,333,877.00
Contract Amount Earned.....	\$ 53,633,454.00
Progress Payment for August 2011 (includes retention)	\$ 2,053,007.00
Retention Withheld.....	\$ 102,650.00
Previous Progress Payments (excludes retention).....	\$ 49,001,425.00
Estimated Percent Complete.....	96.7%

Schedule

Notice to Proceed	April 20, 2009
Base Contract Duration.....	900 consecutive days
Original Completion Date.....	October 6, 2011
Time Extension Authorized	6 days
Revised Duration	906 consecutive days
Revised Completion Date	October 12, 2011
Weather Days (included in base duration).....	40 days
Weather Days Expended (included in time expended).....	17 days
Time Expended	833 Days
Percent Time Expended	94.8%

Construction Manager's Summary

1. Schedule

The current schedule shows project completing late due to issues with the UV programming and testing. However, there are 23 weather days remaining in the schedule that will be converted to float allowing for project completion on time. The critical path runs through the UV startup and testing activities. Although the majority of systems are operational, the project will not be completed until the UV system is tested and operational. The manufacturer continues to resolve issues with their programming and their performance may affect project completion.

2. Work Progress

Site Piping/Electrical

The site piping and electrical work has been completed. The site has been paved. Minor work remains to raise manhole rings and valve boxes and covers.

Influent Pump Station

Influent Pump Station is in service. Work continues on punchlist items.

Headworks

Work continues on punchlist items. The capacity testing of the drum screens remains outstanding.

Anoxic/Aeration Basins

The system is in operation and work continues on punchlist items and tuning the system.

MBR and Backpulse Tank

The system is in operation and work continues on punchlist items and tuning the system.

Chemical/Blower Building

The blowers are in operation. There was an issue with an additional blower. The manufacturer replaced the blower core within 48 hours. The preliminary report indicated past failures were due to foreign object damage (sand) in the blower. The manufacturer discovered the filters originally provided with the blowers were not properly sized. The filters have been replaced and the blowers have operated without further issue. The manufacturer also provided spare blower cores to allow repair more quickly in the event of a future failure. A final report is pending from the manufacturer.

Solids Handling Building

The facilities were placed in service and tuning and testing began.

UV/Effluent Pump Station

The bioassay testing was completed and samples were sent to an independent lab for analysis. A performance report will be prepared after the lab analysis is completed. The manufacturer is working on their programming for automatic operation. Once completed additional testing will occur.

3. Contract Changes

Three contract change order was issued in August for a credit of \$7,231.

4. Testing

Asphalt testing was completed during paving operations. The contractor completed the bioassay testing of the UV system and is awaiting results. The project is also awaiting test results on the belt press operation to select the proper polymer and tune the system.

5. Anticipated Work for Next Month

Testing and tuning of the on-line facilities will continue. UV and Solids handling startup and testing will be completed.

Coliform Testing of the UV System will be completed.

The outfall piping installation at Jersey Island will be completed in preparation for discharging to the river in October.

PROJECT ADMINISTRATION

SUBMITTAL STATUS

	Received		Returned	Pending
	To Date	August	To Date	
First Time Shop Drawing Submittals	676	2	675	1
Request for Information	811	0	811	0

CHANGE ORDER SUMMARY

	Number	Amount
Change Orders Executed in August	3	\$-7,231.00
Change Orders Executed to Date	140	\$871,799.00
Percent to Date of Original Contract		1.60 %

WEATHER RELATED DELAYS

	Days
Base Contract Allowance	40
Weather Related Days in August	0
Weather Related Days to Date	17



30" Overflow Piping at North Storage Pond



Deliver Grating to Complete Platform at Solids Handling Building



Replace Blower Core



UV System Bioassay Testing



Outfall Pipe Delivery



Outfall Pipe Installation