CACHE WATER
Restoration Project
A Community Partnership

CWRP WEEKLY CONSTRUCTION PROGRESS REPORT
Week ending December 22, 2012

RIVER DIVERSION SEGMENT

This week a coffer dam was constructed in the stream bed of the Logan River to divert the flow around the existing diversion structure. This will allow for dry foundation conditions to exist while forming and constructing the new diversion structure. In the upcoming weeks, crews will begin the demolition of the existing structure and begin excavation for the new structures footings.

Completed coffer dam

Diverted water moving back into the stream bed downstream of work zone

CANYON SEGMENT

Due to extreme cold temperatures and snow, the contractor completed another 90 linear feet of box with an additional 90 linear feet of walls and 90 linear feet of floor. The contractor is paying careful attention to keeping the newly placed concrete up to specified heat temperatures. To ensure this is happening the concrete is being monitored via two remote senor digital read-out hi-low recording thermometers.

Concrete cold weather protection

LOGAN NORTHERN SEGMENT

This week, Whitaker's crews placed pipe running south in between the 1000 North and 800 East crossings. Crews were able to install a total of 1,235 feet of 16 inch pipe.

Next week Whitaker's crews will continue pipe installation between 800 East and 1000 North with the goal to reach 1000 North by the end of the week. Tree removal also continues on this segment but is nearing an end.

Installing pipe in the existing west canal bank

Butterfly valve placement

VALLEY SEGMENT

Work on the Valley Segment continued this week with the placement of 213 feet of 66 inch reinforced concrete pipe (RCP). Crews also were able to place the storm drain man hole in Lundstrom Park and begin the installation of the 30 inch storm drain line. Approximately 200 feet of 30 inch storm drain pipe was placed this week along with three man holes.

Parallel 66 and 30 inch pipe placement near Lundstrom Park

A utility crew upstream of the main line crew was able to successfully lower and restore two irrigation waterlines in the golf course this week. The pipes were lowered in order to avoid conflicts with larger 66 inch RCP. The utility crew was also able to pot hole and locate two Logan City water lines and a water line from Utah State University.

The mainline crew will continue pipe installation moving south through Lundstrom Park next week and will continue to run the 30 inch storm water pipe on the east side of the 66 inch RCP. The utility restoration crew will continue their work upstream of the mainline crew to prepare the area for the 66 inch pipe installation.

1500 NORTH SEGMENT

Spindler Construction was able to work on both the diversion structure and pressure reducing structure this week. The crew was able to finish up the rebar placement on the diversion structure suspended slab, after which the slab was poured. Concrete placement on the diversion structure is nearing completion.

Work also continued on the pressure reducing station as the 42 inch RCP pipe was placed in the North wall. Rebar placement for the walls was also completed this week.

Next week crews will complete the forming on the pressure reducing structure walls and hope to pour the walls at the end of the week.

Rebar installation on the diversion structure suspended slab

LAUB SEGMENT

Spindler Construction finished placing the forms and rebar for the floor slab of the new diversion structure. Due to ground water conditions that exist in this area, a de-watering pump continues to run to keep the subgrade dry until construction of the structure is complete. Toward the end of the week, crews were able to pour the slab. Immediately after concrete placement, the slab was covered and heated to ensure proper curing.

Next week crews will place rebar and forms for the walls.

Placing concrete for floor slab