



CWRP WEEKLY CONSTRUCTION PROGRESS REPORT

Week ending March 30, 2013

RIVER DIVERSION SEGMENT

This week on the diversion structure, Duc Works, the structural steel sub-contractor, worked on the installation of structural beams and hydraulic piping. Progress is slow as each pipe connection requires welding.

Whitaker also continued working at the river diversion by assisting DucWorks in lifting steel members, and performing work on head gates and flumes. They also continued work on the fish screens and were able to fit all of them into place.



Lowering a fish screen section into place

Next week Whitaker and DucWorks will work on installing the structural steel. Freedom Electric will also be on the job intermittently to continue work on the electrical layout.



Placement of concrete downstream of Windy Point

CANYON SEGMENT

Two concrete box culvert pours were placed this week on the canyon segment. Approximately 210 linear feet of box was completed. Rebar was inspected before placement of all concrete. The concrete brought onto the site and placed was within specification and was covered with concrete blankets after placement to protect against frost. Spindler is now down to two more pours in the canyon to complete the cast-in-place portion of the box.

Spindler also has had crews return to portions of the completed box to perform finish work including clean up and grouting tie holes.

Whitaker began work again on the pre-cast box culvert beginning at approximate station 64+30. Crews were able to place a total of 650 feet of box this week as they worked east up the canyon. With temperatures warming crews were able to install the box without having to worry about frozen ground.



Placement of pre-cast section

Next week Spindler will finish the cast-in-place portion of the box culvert. Whitaker will continue installing the pre-cast box culvert in hopes of having most of the box installed by the end of next week.

LOGAN NORTHERN SEGMENT

This week on the Logan Northern Segment, crews continued installation of the turnouts along the canal corridor. Crews were able to install the USU turnout near 800 E which included both a pressure and gravity connection. Other turnouts along the canal were also installed.



Utah State University turnout near 800 East

Toward the end of the week, crews moved to the north end of the Segment and connected onto the 1500 N pipeline. With this connection, the placement of the field collar on the valley segment, and the completion of the steel pipe, the mainline from the river diversion is very near completion. The only portion left to install is a small portion of cast-in-place box and the remainder of the pre-cast box.

Next week crews will continue to install turnouts as they work south down the canal.

VALLEY SEGMENT

This week on the valley segment, Whitaker placed the last piece of 66 inch RCP pipe for the valley segment. Crews installed the pipe up to the point where the previous crew installed from the transition structure running north. At the end of the week a field collar was poured around the ends of the two abutting pipes. This collar marked the full completion of the 66 inch line.

A second crew, referred to as the utility crew, continued installing turnout pipe in the golf course headed toward Cedar Heights Drive. The mainline crew also started installing turnout line, once the 66 inch RCP was



Field collar on 66 inch RCP pipe



Placement of turnout pipe

completed, beginning midway through the golf course headed south. Both crews focused on just installing the turnout line and will return to install each individual turnout once the mainline is installed.

Next week both crews will finish the installation of the turnout pipe and begin placing individual turnouts. Work on the transition structure gates and electrical equipment will also continue.

1500 NORTH SEGMENT

This week on the 1500 North segment, work was performed by both Whitaker and Spindler. Whitaker completed the installation of the steel pipe including the pipe that runs underneath the existing canal. In order to place this pipe under the canal, a temporary clay dam was constructed in the channel and a large pump was used to pump around the trench. Once the pipe was placed in the trench and the joints welded, low strength concrete or flowable fill was placed as backfill around the pipe. Placing flowable fill in this location was an idea developed in the weekly progress meeting. This will ensure that backfill around the pipe will remain in place and not wash away under the canal.



Rebar placement on pressure reducing structure deck



Connection point of 1500 N and L&N segments

Spindler was also on this segment this week working on the pressure reducing structure. Crews were able to form up the suspended slab, place rebar, and place concrete. The concrete was covered with blankets to protect against frost.

Next week Whitaker will begin the work of the USU services and drain lines. They will also work on placing the pre-cast bridge sections through the canal. Spindler has one more pour on the pressure reducing structure in order to complete its construction. Work on the electrical portion of the project will also commence with the placement of power conduit and panel bases.

LAUB SEGMENT

Whitaker's Crew on the Laub segment this week began the clean up along the canal alignment. Only two turnouts are left to install on this segment but due to a delay in parts they will be completed next week.

Spindler was also on site this week and completed the clean-up work on the diversion box and poured two slabs on grade. This completes the concrete work on this segment.

The inlet screen with built in screen cleaner arrived on site this week. This screen will be installed next week.



Placement of concrete slabs at diversion