



CWRP WEEKLY CONSTRUCTION PROGRESS REPORT

Week ending May 4, 2013

RIVER DIVERSION SEGMENT

This week on the River Diversion, the coffer dam was removed and water was allowed to pass through the diversion structure. Most of the week was spent in preparation for the opening of the head gate which included electrical work and placing of rip-rap up stream of the structure. Willows and trees were also planted this week on the south river bank to restore natural vegetation to the river bank.

On May 2, 2013, the water master opened the river diversion head gate and water was officially diverted into the new system. Representatives from the Cache Highline Canal Company, Cache County, NRCS, MWH, J-U-B, and Whitaker Construction were on hand to witness the opening of the head gate. Once the gate was open, the group was able to see how the diversion structure operates.



Opening the head gate at the river diversion

Next week, Whitaker will continue to work on other miscellaneous items on the diversion structure including installation of the jib crane, placement of the fish bi-pass, and installation of the rock retaining walls. Freedom Electric will also be on site to continue the rest of the electrical installation. Representatives from The United States Geological Survey (USGS) will also be on site next week to calibrate their flow measurement device just down stream of the river diversion.



Operating river diversion structure

CANYON SEGMENT

This week in the canyon, back fill work continued on the middle section of pre-cast box culvert. Crews made good progress this week as backfill on this section was nearly completed by the end of the week.

Spindler Construction had a crew inside and outside of box grouting tie holes and addressing some final punch list items. Toward the end of the week, a pre-water inspection of the box was conducted to verify that all of the punch list items had been addressed. The inspection yielded no other punch list items and the inside of culvert was approved for water transmission. On May 2 an initial flush at the bypass structure occurred after which the bypass was shut and the water was allowed to run to the transition structure.

Next week Whitaker will continue to back fill the culvert with anticipation of finishing the middle section of pre-cast box and remobilizing to the east end of the project to begin back filling the upper section of pre-cast box.



Water spilling from the bypass structure at the mouth of Logan Canyon



Water Flowing out of the bubble up structure into the LHPS open canal

VALLEY SEGMENT

This week on the Valley Segment the pipe was cleaned and a final inspection of the pipe occurred. The final inspection was to verify that the items on the earlier generated punch list had been addressed. A representative from the project team and Whitaker Construction walked the pipe and verified that all punch list items had been addressed. The 66 inch RCP pipe was approved for water transmission and water was sent down the pipe.

Once water was in the system it was possible to test some of the major turnouts such as the Logan Golf and Country Club. Multiple tests were performed on the turnout to

assure that the turnout would supply adequate water and perform as designed with the existing golf course system.

Next week Whitaker will begin restoration work along the canal alignment. The water master and representatives from the project team will go through the segment and begin turning on the individual turnouts. The Electrical work will also continue near the transition structure.

1500 NORTH SEGMENT

Crews this week finished the process of filling the main line and preparing it for a pressure test. In the middle of the week a pressure test was conducted on the main line pipe. To pass the pressure test the mainline is required to hold a pressure of 125 psi for two hours. The pressure test passed with no sign of defects or leaks.

On May 3, 2013 an official training of the plunger valve occurred. Representatives from the Cache Highline Canal Company, Cache County, NRCS, MWH, J-U-B, and Whitaker Construction were on hand to listen to the training and watch the plunger valve operate. The valve was opened to various percentages as the project team observed operations. A formal training was given to the water master and he was able to familiarize himself with the system.



Water running into the Logan and Northern Canal via the 1500 N pressure reducing structure



Plunger valve training

Next week Whitaker will continue to do minor clean up items near the pressure reducing structure and prepare for the access road installation. Work will also continue near the diversion structure, on the east end of the segment, to prepare the area for pavement and finish work.

LOGAN NORTHERN SEGMENT

This week on the Logan Northern slight modifications prescribed by the management team were installed on three turnouts along the alignment, which completed the turnout installation. Coordination between water users and the water master has been on going as users are anxious to see how the new system will operate and when they will be able to use the water.

In the middle of the week a pressure test was conducted on the main line pipe. To pass the pressure test the mainline is required to hold a pressure of 125 psi for two hours. The pressure test passed with no sign of defects.

At the end of the week, crews began rough grading the old canal bank in preparation for the access road that will be installed in the coming weeks.



Grading the access road



Pressure gauge used during the pressure test on Logan and Northern and 1500 N main lines

Next week the water master and representatives from the project team will go through the segment and begin turning on the individual turnouts. Water users along the channel will again be restored to full water use. Whitaker will continue to rough grade the road and install the 24 inch RCP storm drain near the 400 N and 600 E intersection.

LAUB SEGMENT

After final adjustments to the irrigation turnouts, grading of the access road and final clean-up will continue.