

## Union Pacific Railroad (UPRR) Causeway Opening Construction Progress Report #1

The following is a brief summary of construction activities related to the construction schedule submitted to the regulating agencies and included in the Compensatory Mitigation and Monitoring Plan (CMMP).

Prepared by: Steve Cheney  
Union Pacific Railroad– General Director M/W – Environmental  
402.399.3227  
slcheney@up.com

Submitted to: Utah Division of Water Quality  
US Army Corps of Engineers

### Summary of Work through Dec. 12, 2015

Submitted Stormwater Construction Permit – Erosivity Waiver Certification, Sept. 2015

Temporary work areas – Construction of areas located on the causeway – **completed**

Track and access road shifted for pile pre-drilling – **completed**

Bridge piles –

- Pre-drilling piles and setting 40-foot pipe pile sections – about 28% complete (15 of 49)
- Pile steel and reinforcing steel shipped to Lakeside

Control berm construction –

- Began construction earlier than scheduled because of good weather and availability of core stone materials
- Surveyed and marked extents of control berms
- Began receiving and placing core stone for western control berm (about 10% complete)

### Construction Developments

Pre-drilling piles is progressing slower than expected because the construction crew needs to drill deeper (about 74 feet) to reach consolidated lake bottom materials and because the construction crew has encountered unexpected materials.

Pre-drilling activities will be delayed on Pile #6 because of restrictions due to train traffic windows.

There have been 2 days of weather-related stoppages.

**Drilling Bent #7 pile #4 (week of Nov. 21, 2015)**



**Drilling Bent #5 pile #1 (week of Dec. 5, 2015)**



**Lake bottom clay material at 74 feet (Bent #6 pile #4)**



Lake bottom  
clay material →

**Stockpiled pipe pile at Lakeside**



**Western control berm construction (looking north)**



**Western control berm construction (looking west)**

