



cdc. consulting

FEATURED PROJECT REPORT



DRILLED MICROPILES (PARTIALLY CASED / HOLLOW BAR)

Austin, Texas

Spring 2019

The Lower Colorado River Authority (LCRA) undertook the complex task of upgrading an active dam that was originally constructed in the 1930's. This critical infrastructure project required several heavy lifts in order to replace the aging dam gates. Crane access to the entire work area was very important, so a work platform was created for a large lattice-boom crane. The temporary platform was constructed as close as possible to an existing retaining wall along the edge of the river in order to maximize the reach of the crane.

To combat forces in multiple directions, both vertical and battered piles were used to support the platform. Challenging soils with some obstructions above the underlying limestone required percussive drilling techniques in order to quickly advance the drill tools - which remain in the hole to form structural elements of the pile.

CDC was able to help the contractor in the following ways:

- Drill rig operation
- Site supervision and troubleshooting
- Equipment troubleshooting and support

