

# CANYON SUBSTATION FLOOD REMEDIATION



## PROJECT TYPE

Substation

## SCOPE

Installation of new control house, replace three 138kV breakers and re-wiring

## LOCATION

San Marcos, TX

## CLIENT

Lower Colorado River Authority

## START DATE

March 2018

## COMPLETION DATE

June 2018

Irby Construction was the successful bidder on the Canyon Substation Flood Remediation project for LCRA. This project included heavy coordination with LCRA as well as three Irby subcontractors within a tight construction schedule.

Irby was given a control house pad by LCRA to deliver foundation installations. Irby's subcontractor East & Westbrook constructed all the foundations on this project within the timeframe needed. Irby then subcontracted to Southwest Erectors to build the control building. Once complete, Irby built out the control house's internal components. Irby was on time and ready for LCRA's outages to remove and relocate 11 panels from the existing control house to the newly constructed control house, as well as install three new panels. This included a custom welded section of exterior cable tray by Irby's onstaff certified aluminum welders. Irby also had all the control cable pulled and terminated prior to LCRA's testing and commissioning staff.

One of the larger complex issues on this project was the installation of the Microwave Tower. This took several meetings between Irby and TNT Crane and Rigging. Due to the proximity of the control house, incoming 138kV lines, 12kV distribution bays, fencing, and control cable trench there were many obstacles to overcome. Irby had two jobsite preplanning meetings with TNT crane onsite prior to them mobilizing in the crane for this work. Irby is proud to say that within six hours the entire microwave tower was set and back bolted without incidents. It is important to note the amount of planning and time that went into this critical pick and placement so that Irby could see such a safe and amazing result of such a difficult installation.

