

Lake Vernon Dam Repairs

Timeline as of 06/18/2018

- August 29/30 2017
 - Management gate was opened on 8/24/2017 prior to Harvey Event
 - Hurricane Harvey impacted the lake basin with approximately 20" of rainfall (8/29-8/30)
 - Slide began on 8/29/2018
 - Dam was continuously monitored through the Harvey event

- September 2017
 - Management gate remained open to draw the lake down
 - Initial damage assessment of visible items
 - Request for geotechnical borings and analysis made
 - Initial meeting with FEMA on 9/18/2017
 - Continued surveys of damages and began development of planned repairs

- October 2017
 - By the end of the month the lake level was finally low enough to begin surveys on damages to the wet side of the embankment
 - Began working on preliminary plans even though geotechnical data not available yet

- December 2017
 - Geotechnical borings performed on 12/5 and 12/6
 - On site meeting with FEMA on 12/6
 - Continued working on preliminary plans which now included damages to the wet slope of the embankment and the spillway approach channel (now having survey data)

- January 2018
 - Received preliminary geotechnical data at the end of the month
 - Working toward final preliminary plans
 - Continued negotiating with FEMA on the extent of damages (still no agreement)

- February 2018
 - Final geotechnical data received
 - Completed analysis to determine final embankment repair section needed
 - Met with Vernon Parish P.J. to discuss extent of damages in spillway approach channel and needed repairs

- Nearing completion of preliminary plans
- During the month of February, the lake basin experienced 22” of rainfall. The lake water surface was being maintained approximately 14’ below pool stage, but with the amount of rainfall the management structure was overwhelmed and the lake filled up and discharged out of the spillway.
- As a result of the high rainfall, the slide on the dry slope of the embankment worsened by extending westward to the relief wells.

- March 2018
 - Slide area was resurveyed to include additional damages
 - Provided additional information to FEMA
 - Began design and primary plan changes to incorporate worsened dry slide

- April 2018
 - Continued working on revising preliminary plans – additional complications had to be included in the plans since the worsened slide required modifications to existing relief wells on the dam
 - Provided additional information to FEMA

- May 2018
 - Provided additional information to FEMA and they finally agreed to quantities at the end of the month. Still working toward getting scope completed with FEMA
 - Completed preliminary plans and sent out for review and comment

- June 2018
 - Plan in Hand review held on 6/19/2018.
 - Final plans to Baton Rouge first of July

- Fall 2018 - advertise
- Winter 2019 – award contract
- Winter/Spring 2019 – begin construction
- Spring/Summer 2019 – complete construction.