

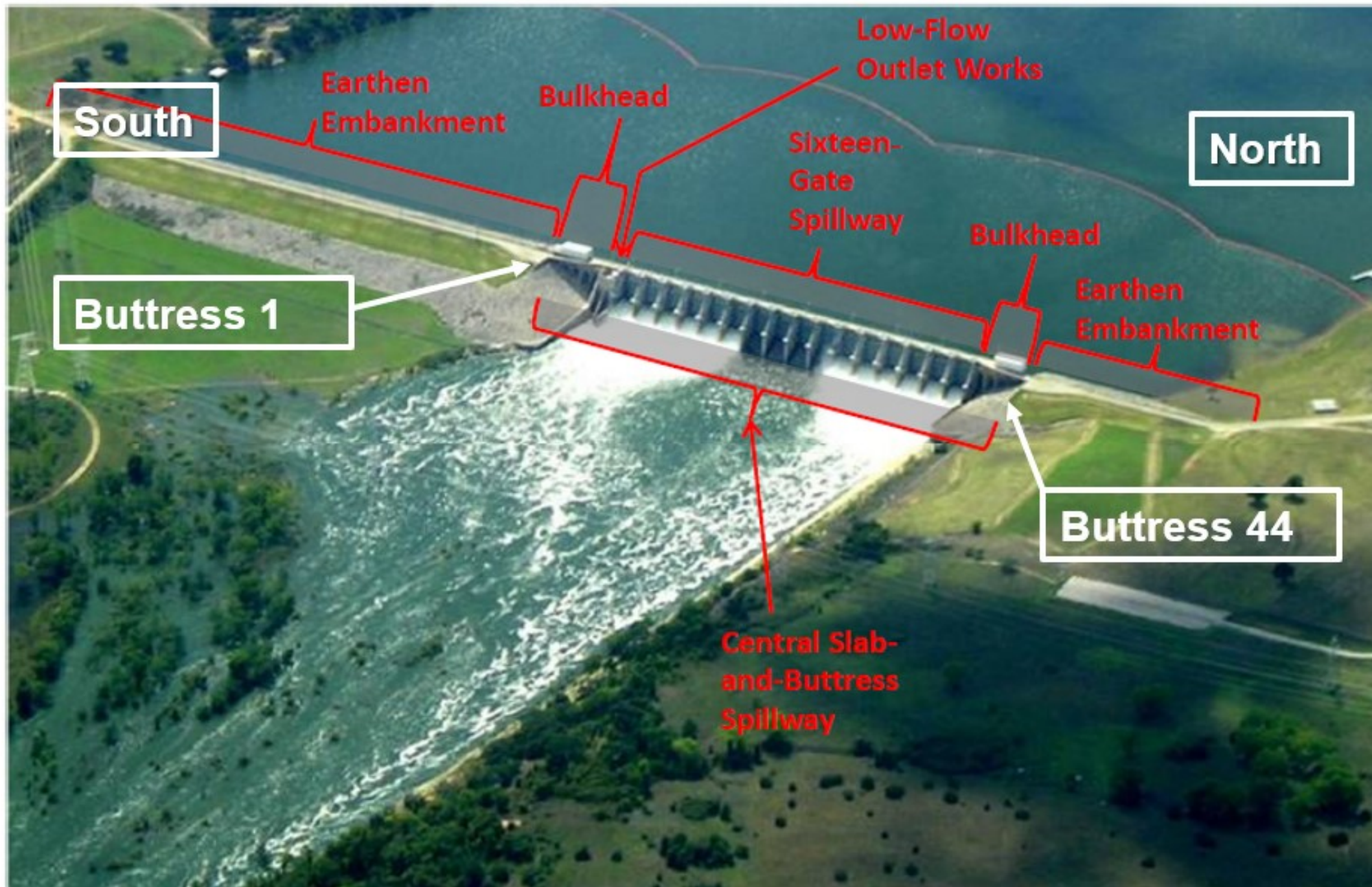


Upper Basin Lake Granbury Reinforced Concrete Components

***Presented By
Michael McClendon
Upper Basin Regional Manager***



De Cordova Bend Dam



Goal: Assess condition of Buttresses 1 and 44 & adjacent embankment retaining walls



Project Purpose

- **Perform a structural assessment and analysis of the strength, stability, safety and serviceability characteristics for Buttresses No. 1 and No. 44 and contiguous embankment retaining walls.**
- **Produce an Evaluation Report detailing the analyses and assessment findings, potential recommendations for proposed improvements, if any, and associated opinions of probable costs.**
- **Include a risk analysis of rehabilitation efforts versus continued structure monitoring in the Evaluation Report.**



Scope of Services

Task 1: Assessment/Preliminary Engineering Analysis Report

Task 2: Testing (If authorized)

- Geotechnical testing/sampling/bores
- Survey/Lidar Scan
- Nondestructive/Destructive test (GPR, Concrete Cores)

Task 3: Engineering Analysis Report

- Compilation of data, observations, calculations & analysis
- Conceptual repair recommendation, if any
- Opinion of probable costs & associated risks



The following resolution is presented for consideration to the Board of Directors of the Brazos River Authority for adoption at its October 26, 2020 meeting:

“BE IT RESOLVED that the Board of Directors of the Brazos River Authority hereby authorizes the General Manager/CEO, to negotiate and execute a contract with Walter P. Moore to perform engineering services for the Reinforced Concrete Component Project at De Cordova Bend Dam in an amount not to exceed \$735,000.”



Brazos River Authority



Brazos



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