Brazos River Authority

# *Professional Services Agreement with Schnabel Engineering for the Lake Limestone Low Flow Modifications and Improvements Project*


***Presented by***

***Blake Kettler***

***Chief Planning Officer***

# Project Overview



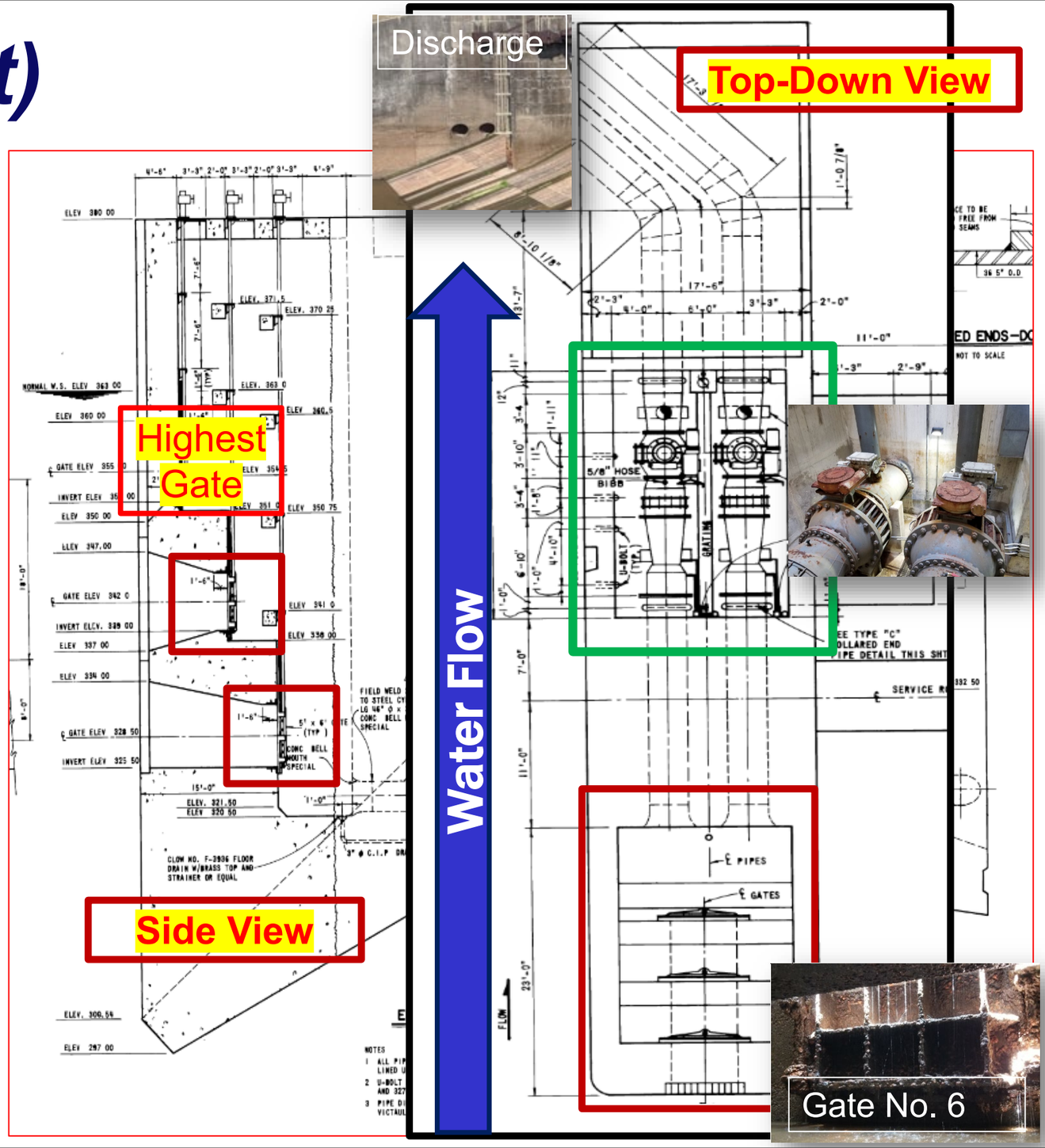

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Meeting Date: November 9, 2026

# Right-end Pier (West)

- 3 – 5ft x 6ft sluice gates (Gate Nos. 6/7/8) Each at different elevations (red)
- Wet well filled with water
- 2 – 36in Pipes/Conduits
  - Run upstream to downstream
  - From Wet Well to Discharges outlets in training wall
- Dry Well
  - 2 - 30in ball valves (green)
  - Modulate to release water at desired CFS

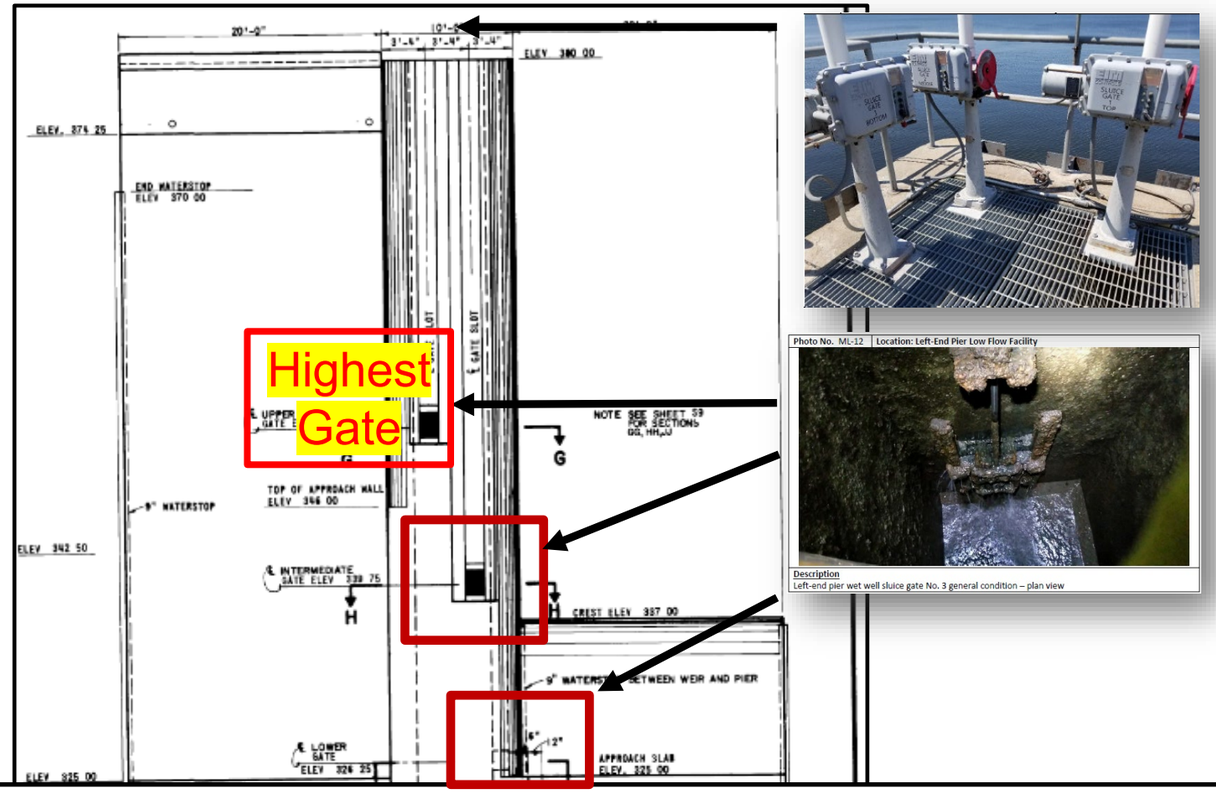


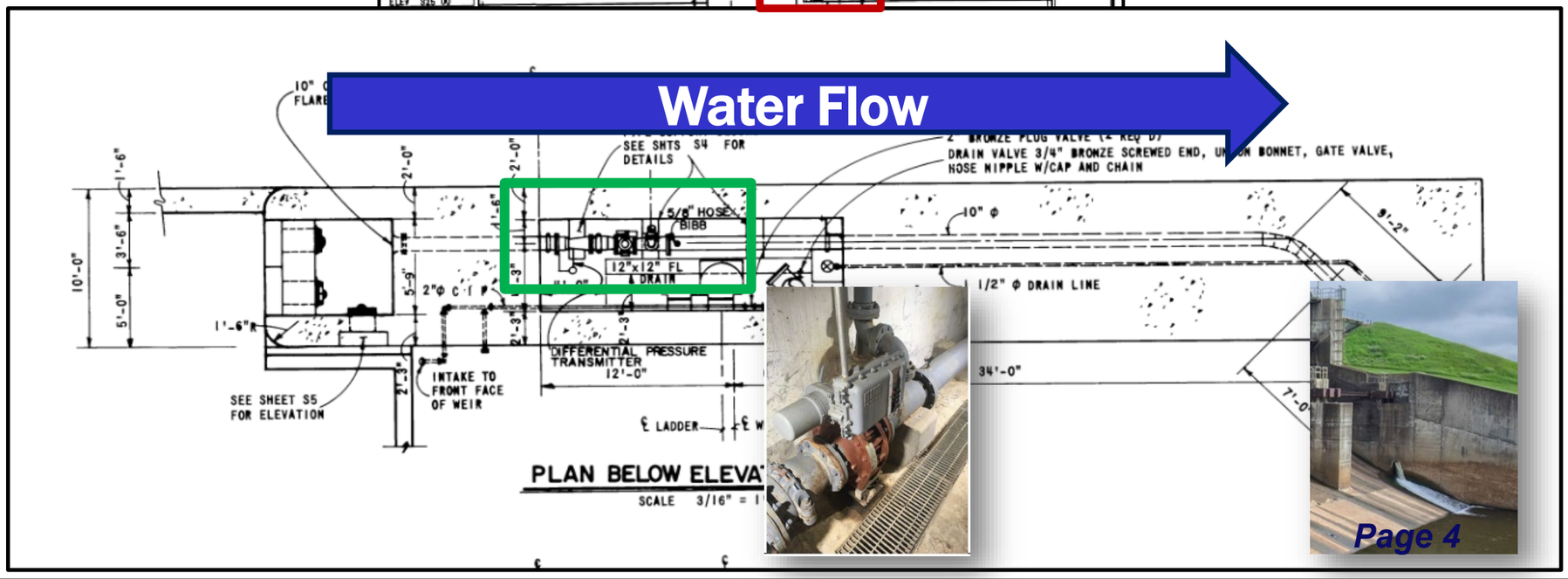

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# Left-end Pier (East)

- 3-18in x 18in sluice gates (Gate Nos. 1/2/3) at different elevations (red)
- Wet well filled with water
- 1– 10 in Pipe/Conduit
  - Runs upstream to downstream
  - From Wet Well to Discharges outlet in training wall
- Dry Well
  - 1 – 8 in ball valve (green)
  - Modulate to release water at desired CFS

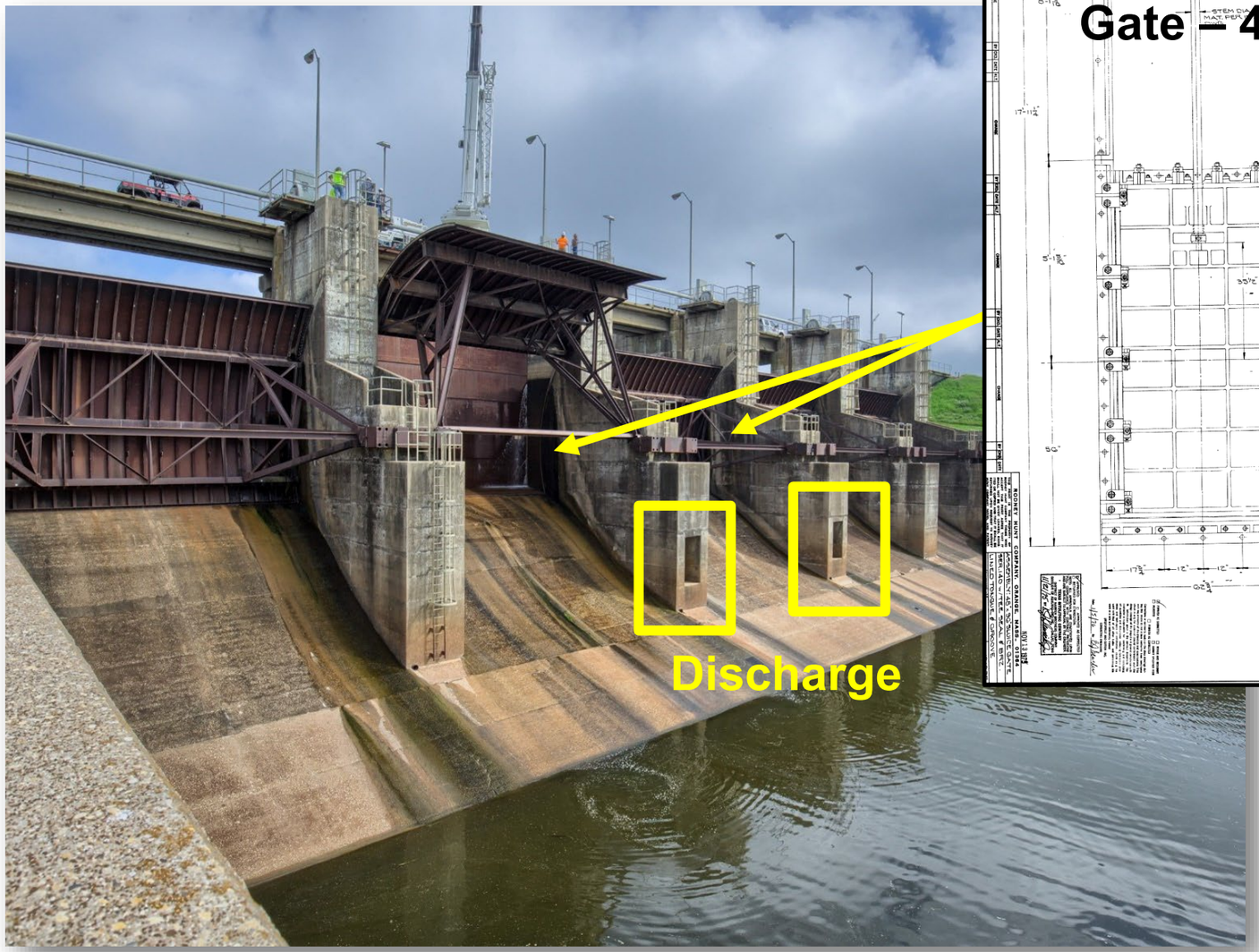


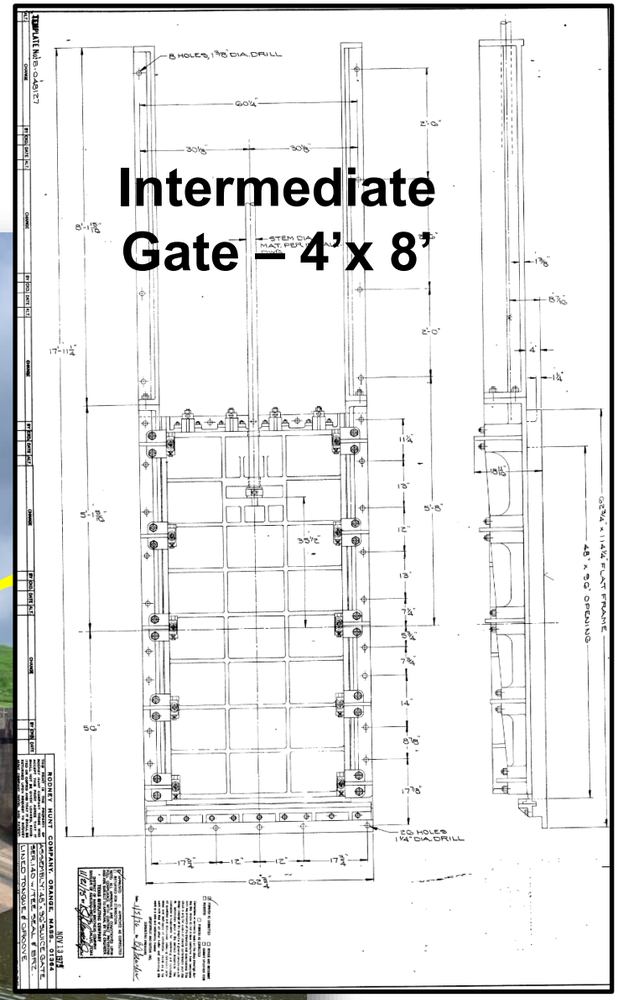




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# Intermediate Piers

- 2-4ft x 8ft sluice gates
  - Used during construction of the dam
  - Water flows from upstream gate through sluiceways in the piers into the spillway apron
  - No ball valves or wet wells



# Vendor Selection: Schnabel Engineering

Schnabel ENGINEERING

Brazos River Authority

# Schedule and Cost

| Tasks: | Schedule: | Cost: |
|---|---|---|
| Task 1 – File Review | Month 1-2 | $18,707.00 |
| Task 2 – Site Reconnaissance & Gate Inspection | Month 1-6 | $627,693.50 |
| Task 3 – Engineering Evaluation & Conceptual Illustrations | Month 4-8 | $167,736.00 |
| Task 4 – Advisability Report | Month 8-9 | $106,578.00 |
| Total | | $920,714.50 |
| 10% Contingency | | $92,071.45 |
| Total Not to Exceed | | $1,012,785.95 |

**“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 Schnabel Engineering for preliminary engineering services associated with the Lake Limestone Low Flow Facility Modification and Improvements Project;

**BE IT FURTHER RESOLVED** that the fee for engineering services associated with the initial assessment shall not exceed $1,013,000, which includes a ten percent contingency. Engineering fees for subsequent phases of the project, including design, bidding, and construction oversight, will be presented to the Brazos River Authority Board of Directors for future consideration.”

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# Brazos

## RIVER AUTHORITY

# *Lake Limestone Low Flow Modifications & Improvements*

**Forecasted Project Budget:** $9,301,000

**FY27 Approved Project Budget:** $700,000

## Strategic Plan:

Goal II. Manage water resources for the benefit of the basin; b. Ensure the operation and maintenance of BRA water supplies and associated infrastructure in a safe, responsible manner in compliance with all applicable requirements; 3. Complete Lake Limestone Dam maintenance and improvements.