



Lake Limestone Tainter Gate Construction Engineering Services

Presented by

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Central/Lower Basin Regional Manager



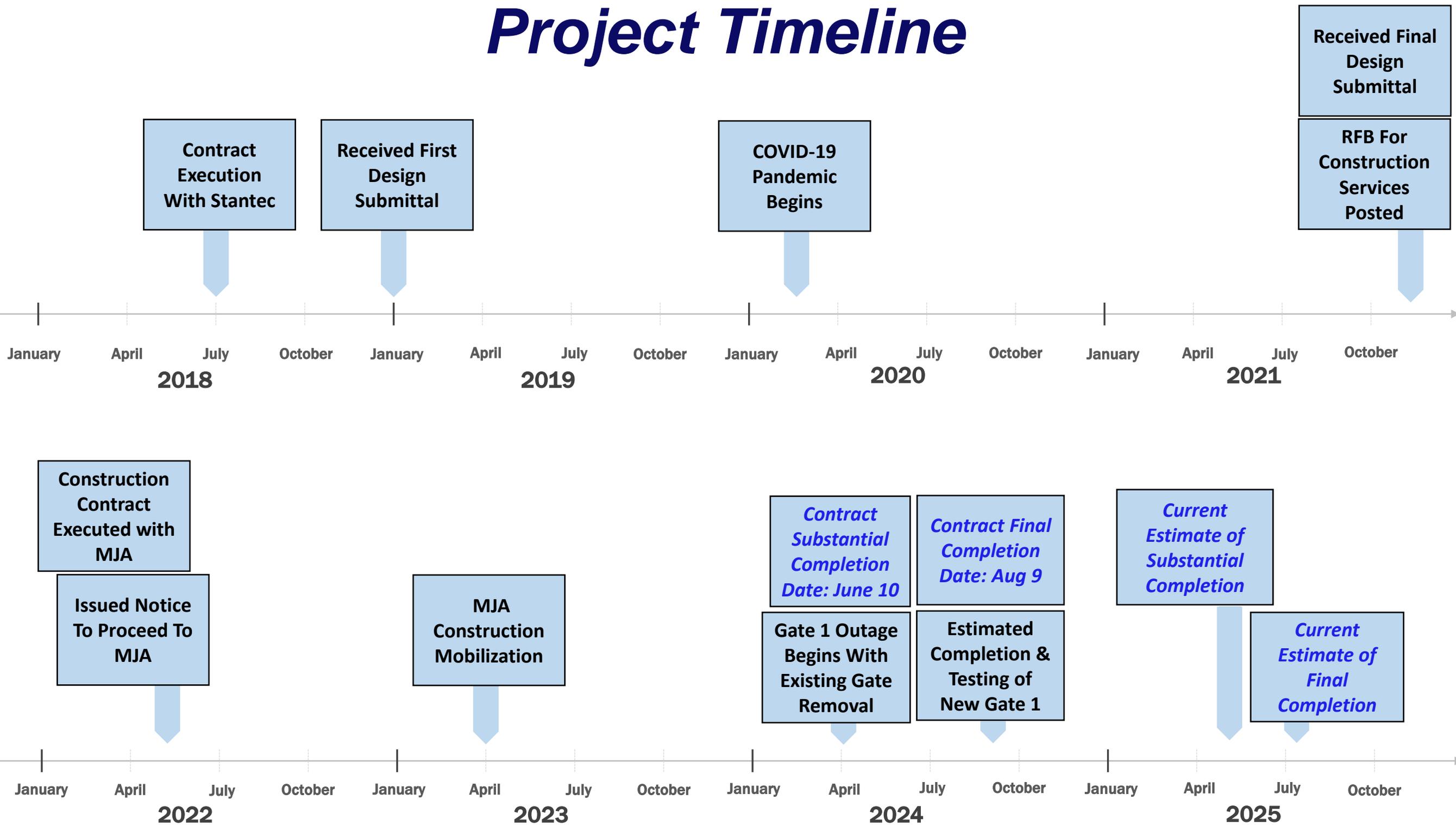








Project Timeline





Project Delays and Issues

- **New hoist manufacturer selection**
- **Method to secure crane barge to dam**
- **Issues with lifting beam and stop logs**
- **Substantial delays with manufacturing new gates and hoists**



Current Schedule and Status

- **Hoist and gate in bay #1 have been removed**
- **Installation of new gate is underway**
- **Process of installing the first new gate will refine remaining project schedule**
- **Final completion currently estimated for July 2025**



Removal of Gate #1





Removal of Gate #1



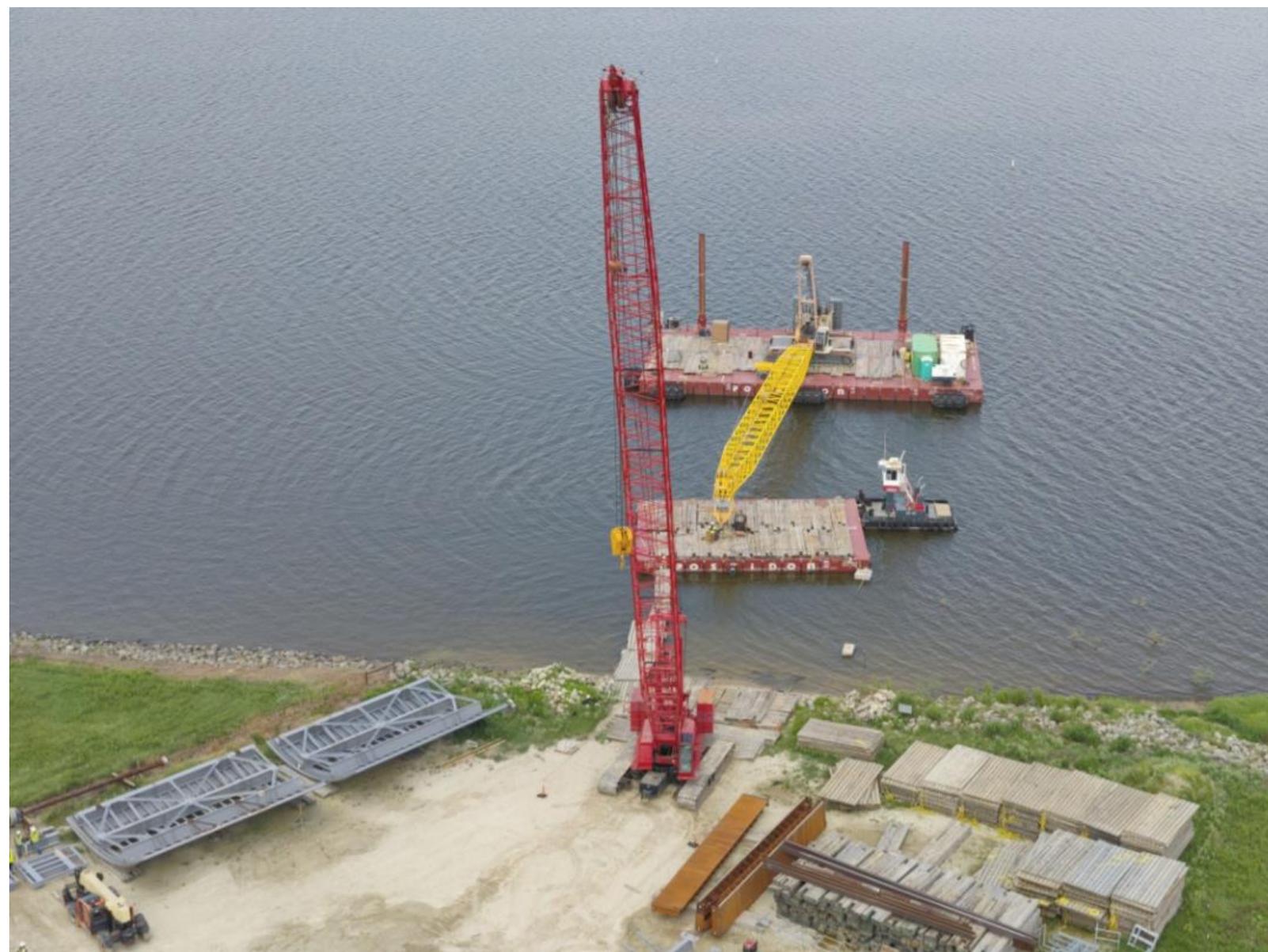
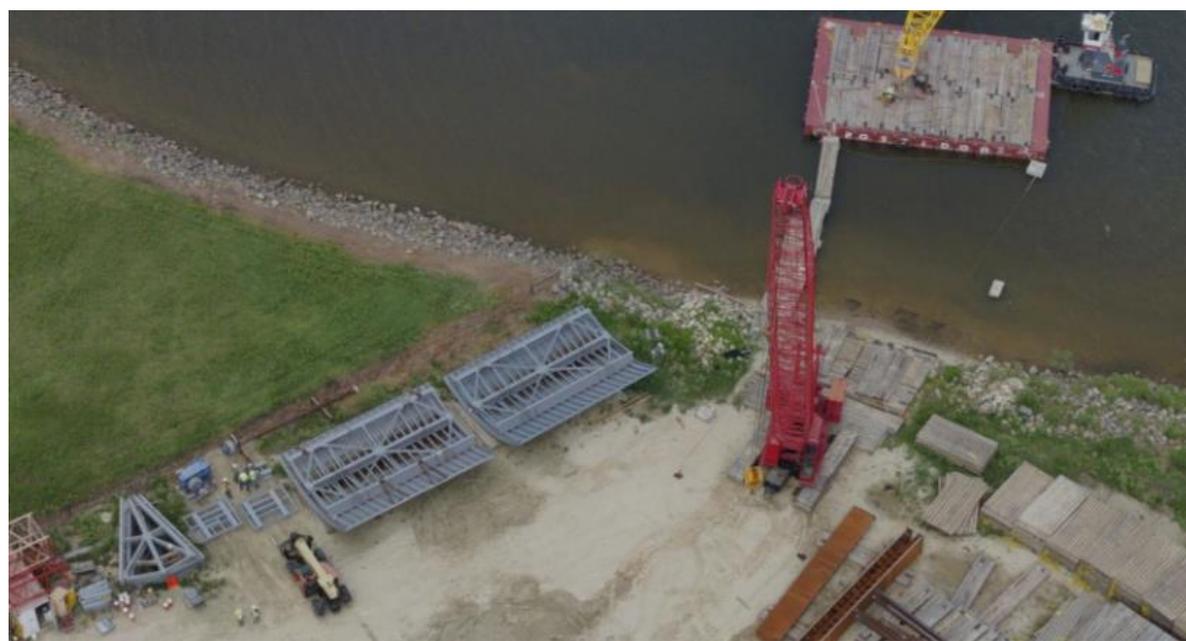


Gate #1 Removal Complete





New Gates and Gate Arms





Stantec Professional Services Agreement

- Executed in 2018 (pre-Covid) and included all design, bid, and construction phase services
- Total contract fee not to exceed (NTE) \$4,237,655

Task 1 – Engineering Design Phase Services	\$1,922,568
Task 2 – Optional Design Tasks	\$ 363,921
Task 3 – Bidding/Contract Award Phase Services	\$ 287,267
Task 4 – Construction Contract Admin. Services	\$ 545,905
Task 5 – Construction Phase Engineering Services	\$ 678,386
Task 6 – Resident Project Representative Services	\$ 386,883
Task 7 – Operation and Maintenance Manuals	<u>\$ 52,725</u>
	\$4,237,655



Stantec Professional Services Agreement

- **Design and bid phase services were completed within task NTE limits**
- **Project was let for bids in 2021 (post-Covid)**
- **Construction schedule extended from 19 to 27 months**
 - **Stantec's original contract NTE assumed a construction duration of 19 months, including eight months of on-site construction requiring RPR services**
 - **Bid package ultimately specified a construction duration of 27 months with 14 months of on-site construction (changed market conditions post-Covid; allowance for weather delays/flood releases; and encourage large bid pool)**
- **Stantec attempted to incorporate the additional construction duration without requesting additional funds; however, additional funding is needed to complete the project**



Construction Contract with MJA

- **Contract executed for \$17,705,485**
- **Board authorized contingency of \$1,770,515**
- **BRA payments through April 30, 2024: \$9,925,364**
- **Contingency used to date: \$253,840**
- **Liquidated damages: \$4,100 per day**
- **Contract also provides for recovery of engineering costs from the contractor in specific circumstances**



Requested Changes to Stantec PSA

- Increase total engineering PSA fee to \$6,183,339**

Existing PSA fee:	\$4,237,655
Original construction schedule extension of 8 months during bid process:	+ \$566,286
Continued construction phase engineering services due to contractor delays:	<u>+ \$1,379,398</u>
Amended PSA total:	\$6,183,339

- Substantial portion of increased engineering fee to be pursued for recovery from contractor**



Proposed Changes to Stantec Professional Services Agreement

	<u>Original Contract</u>	<u>Proposed Amended Contract</u>
Task 1 – Engineering Design Phase Services	\$1,922,568	\$1,901,012
Task 2 – Optional Design Tasks	\$ 363,921	\$ 324,628
Task 3 – Bidding/Contract Award Phase Services	\$ 287,267	\$ 248,428
Task 4 – Construction Contract Admin. Services	\$ 545,905	\$1,073,586
Task 5 – Construction Phase Engineering Services	\$ 678,386	\$1,185,817
Task 6 – Resident Project Representative Services	\$ 386,883	\$1,397,143
Task 7 – Operation and Maintenance Manuals	<u>\$ 52,725</u>	<u>\$ 52,725</u>
TOTAL:	\$4,237,655	\$6,183,339



“BE IT RESOLVED that the Board of Directors of the Brazos River Authority hereby authorizes the General Manager/CEO to amend the 2018 Professional Services Agreement with Stantec for engineering services associated with the Lake Limestone Tainter Gate Replacement Project by increasing the total not-to-exceed fee from \$4,237,655 to \$6,183,339.”



Brazos River Authority



Brazos



RIVER AUTHORITY