

Specifications
Tennessee Wildlife Resource Agency (TWRA)
Gooch WMA Unit E Spillway Repair
Event 32801-13397

This solicitation is for the one-time purchase of repair services for the existing spillway gate and outlet pipe for the TWRA Gooch Wildlife Management Area (WMA) Unit E impoundment, in Obion County. All work shall be completed in accordance with the following work scope and specifications below.

A. Site Visit

1. All interested Respondents shall attend the scheduled mandatory site visit in order to be considered for the award of this Contract.
2. Site Visit Date:
 - a. August 5, 2024, at 1:00 PM (CST)
3. All interested Respondents shall meet at TWRA's Gooch Unit E Boat Ramp at 3555 E Crockett Rd, Rives, TN 38253.

B. General Information

1. All work shall be completed no later than November 1, 2024.
 - a. Work shall be paused from September 13, 2024 through September 15, 2024 and may resume September 16, 2024.
2. Tennessee Wildlife Resources Agency (TWRA) shall be responsible for all permits and are already obtained.
3. Contractor shall provide to TWRA Engineering shop drawings of items. Drawings shall be approved by TWRA before construction shall begin.
4. Contractor shall review the engineering diagrams (Attachment 1, Attachment 2, and Attachment 3) for additional description of work to be completed.
5. Contractor shall construct a cofferdam around existing spillway structure.
 - a. Cofferdam shall be constructed of sheet piling.
 - b. Cofferdam shall be installed from the rock jetties placed on either side of the existing spill way.
6. Once cofferdam is in place, Contractor shall pump dry the area around the spill way.
7. Once the area around the spillway is sufficiently dry, the existing spillway gate (the deteriorated steel panels) shall be removed and replaced with aluminum panels or equal.
 - a. The panel thickness shall be required to withstand a minimum of fifteen (15) feet of head form the impoundment.
 - b. The panels shall be in two sizes.

- i. The Contractor shall provide two (2) panels. One (1) panel at 3 feet tall and one (1) panel at 4 - 6 inches tall with handles sufficiently attached (to the downstream side) for the panels to be individually slipped in and out of the spillway as needed.
 - ii. The Contractor shall also supply spare panels to be stored at the TWRA office: one (1) panel at 3 feet tall and two (2) panels at 6 inches tall.
8. The existing metal channels that the panels run on are currently embedded in the concrete spillway and shall be replaced.
 - a. The existing concrete structure shall remain in place.
 - b. The proposed metal channel shall replace with the existing channel. Shall be made from aluminum and be of equal size as previous.
9. The existing outlet is 260 feet of 36" (failing) corrugated metal pipe (CMP) and the inlet section is an existing 20-foot section of 36" CMP. These pipes shall be removed and replaced with 36" steel API 5L Grade B Pipe (gas) pipe or equal.
10. After work is complete, the levee shall be repaired and the side slopes of the levee area adjacent to the spillway shall be armored utilizing the rock from the jetties.
11. The new outlet pipe shall be backfilled with the excavated trench material and stabilized with seed and mulch.
12. The contractor shall be responsible for securing an off-site source for material required to backfill the new pipe and repair the levee. Material shall be soil.
13. Clearing for the outlet pipe installation and installation of the EPSC (erosion prevention and sediment control) measures shall be the responsibility of TWRA.
14. Maintenance of all EPSC measures shall be the responsibility of the contractor. The contractor shall be responsible for removal of EPSC measures and final stabilization.

D. Delivery

1. Work shall be completed by November 1, 2024.
2. Contractor shall call point of contacts three (3) business days before beginning project so that arrangements can be made.
3. Points of Contact
 - a. Jay McClellan at 615-351-6611 or Jay.McClellan@tn.gov
 - b. Bill Forte at 615-490-4341 or Bill.Forte@tn.gov
 - c. Rob Lewis at 731-273-0018 or Rob.Lewis@tn.gov
4. Work shall not be completed on weekends or legal holidays as declared by the Commissioner of the Tennessee Department of Human Resources ("DOHR").

E. Warranties

1. Minimum of one (1) year standard manufacturer's warranty on components.