Project Title: Rehabilitation of High Chaparral Reservoir

Bid No.: 06-22

Meeting Date: May 5, 2022

Meeting Time: 2:00 p.m.

Meeting Location: Microsoft TEAMS Online Meeting Link

 [Join Microsoft Teams Meeting](https://teams.microsoft.com/l/meetup-join/19%3Ameeting_MmFhNmE1ZjctMDk1Ny00Zjk0LThjNDAtZjQxZTM2MTYwNmNm%40thread.v2/0?context=%7b%22Tid%22%3a%223eebb7d9-9c59-4af3-aca0-00b46518374d%22%2c%22Oid%22%3a%22a5cde38a-f374-4cac-9932-e6237b1dd221%22%7d)

1. **Introductions [Ryan Stubbs]**
	1. **Meeting Sign In**
		1. Notice to all participants, this pre-bid meeting is being recorded. EPWater Project Manager will now begin the recording.
		2. Housekeeping Rule – All participants please mute your microphones. We will open up for questions at the end of the pre-bid meeting agenda.
		3. Online meeting sign in – Attendance is recorded through the platform’s chat room. Please sign-in by including your name, company representing, phone number and email in a chatroom message. We may have to call on you for more information.

**Owner: El Paso Water (EPWater)**

1154 Hawkins Blvd.

El Paso, Texas 79925

Gilbert Trejo, P.E. – Interim Chief Operations Officer, Production and Treatment

Felipe Lopez, Jr., P.E. – Chief Operations Officer, Distribution and Collection

Geoffrey Espineli, P.E. – Engineering Division Manager, Project Administration

Ivan Hernandez, P.E. – Engineering Division Manager, Construction Project Management

Rose Guevara – Utility Purchasing and Contracts Manager

Claudia Lara – Sr. Project Compliance Specialist

Yesenia Martinez– Project Compliance Specialist

Robert Davidson – Contract Construction Administrator

Cassie Flores – Public Affairs Coordinator

Ryan Stubbs – Capital Improvements Project Manager

**Engineer of Record**

AECOM Technical Services Inc. (AECOM)

221 N. Kansas Street, Suite 700

El Paso, Texas 79901

[www.aecom.com](http://www.aecom.com)

Steve Ainsa, P.E. – Project Manager – (915) 808-1168

Elizabeth Fuerschbach, P.E.

Corrpro Waterworks (Cathodic Protection [CP])

645 W. 24th Street, Suite 102

Tempe, AZ 85282

Juan Carlos R. Mendoza – CP Wall System (602) 269-7641

Casey Sprayberry – CP Floor System (713) 460-6058

# **General Bid Requirements [Ryan Stubbs]**

## Contract document consists of the specification, drawings, and any addenda that may be issued.

## **Bid Development Dates**

1. Pre-bid meeting May 5, 2022, 2:00 p.m.

2. Last day for questions May 10, 2022, 5:00 p.m.

3. Responses posted May 13, 2022, 5:00 p.m.

4. Bids due May 19, 2022, 1:30 p.m. (Up to 1/2-hour before bid opening)

5. Open Bids May 19, 2022, 2:00 p.m. (Virtual Bid Opening through GoToMeeting)

* 1. **Construction Schedule**

Project estimated duration is ten months. Projected milestones are summarized below:

Milestone Projected Dates (ALL DATES TENTATIVE)

Notice to Proceed June 2022

Preconstruction Meeting June 2022

Substantial Completion April 2023 (**295** days after NTP)

Final Completion May 2023 (**325** days after NTP)

* 1. **Bid Questions, Cone of Silence policy, Interpretations and addenda.**

The Cone of Silence is in effect. All questions regarding the meaning or intent of the Contract Documents for this project, other than those asked here today, must be submitted to Owner in writing to:

Attn: Bid No. 06-22

Questions or Clarifications

Purchasing & Contracts Administration

1154 Hawkins Blvd.

El Paso, TX 79925

OR emailed to:

purchasing.info@epwater.org

Please include the Bid No. 06-22 in the subject line of the e-mail. Pursuant to the Cone of Silence, any communication between potential bidders and EPWater staff or Engineer relating to this project is prohibited.

Deadline for all questions regarding the meaning or intent of the Contract Documents is Tuesday, May 10, 2022, at (5:00pm). Questions received after the deadline will not be answered.

Interpretations or clarifications considered necessary by the Engineer in response to such questions will be issued by Addenda and made available to all via posting on EPWater website (see below).

1. **Instructions to Bidders [Robert Davidson]**
	1. **Bid Proposal**

Bid Proposal Checklist – (Section 00100)

* Bidder required to submit 1 original proposal and 2 copies along with an electronic version of the bid proposal
	+ For ease of reference, Bidders must “TAB” the following:
		- Section 00300 Bid Form page showing Total Bid Price and;
		- Bid Bond sheet
* Signed Bid Form (complete, with acknowledgement of any issued addenda, including names of all Subcontractors and Suppliers)
	+ Check all Bid calculations to ensure that pricing numbers are correct and accurate;
	+ Unit bid price will prevail in the event of discrepancies
* Original and Notarized Bid Security or Bond
* Certificate of Insurance Availability;
* Names and categories (SMLB, MBE OR WBE) of all Subcontractors and Suppliers with SMLB, MBE OR WBE certifications
* Evidence of Good Faith Efforts if Minority Participation Goals are not met
	+ 25% Small Locally Owned Business
	+ 10% Minority Owned Business
	+ 7% Women Owned Business
* Texas Ethics Commission requirement, "Certificate of Interested Parties", Form 1295 – Contractor must have registered/completed on-line application
* Safety Record (Qualifying Projects only)
* Statement of Residency
* Statement of Non-Divestment from Israel
* Electronic Version of the Bid Proposal (saved on Compact Disk or USB Flash Drive)
	1. **Addendum**

All Addenda will be posted on the EPWater website in the individual bid’s page:

<https://epwater.org/business_center/purchasing_overview/bids/construction>

It is recommended that all potential Bidders register to the EPWater Construction Bids and RFS Notifications section to receive newsletter notifications when items (including addendum) are posted and made available to a bid’s page. It is the Bidder’s responsibility to visit the EPWater website frequently to become aware of all pertinent information made available to all bidders.

* 1. **Bid Delivery**
		1. Location – Hard copies shall be delivered in a sealed envelope to the EPWater Front Lobby at:

Attn:

Rehabilitation of High Chaparral Reservoir

Bid No. 06-22

“BID ENCLOSED”

Purchasing & Contracts Administration

1154 Hawkins Blvd.

El Paso, TX 79925

The bid package must include the notation “BID ENCLOSED” on the face of the sealed envelope and include an electronic version of the bid (i.e. saved on a Compact Disk or USB Flash Drive)

* + 1. Acceptance - Bid will need to be Date and Time stamped by Contract Administration for acceptance
		2. Bids will need to be delivered to the EPWater Front Lobby no later than 1:30 p.m. on May 19, 2022. All bids received at 1:30 p.m. will be read aloud at 2:00 p.m. Any bids received after 1:30 p.m. will not be accepted.
	1. **Bid Opening**

Due to current public health situation, Bid Openings are being conducted through GoToMeetings. Instructions below:

[www.epwater.org/business\_center/purchasing\_overview/bids](http://www.epwater.org/business_center/purchasing_overview/bids)

Once found, click on “Bid Opening Meeting link” to join. Additionally, you can join the bid opening meeting by dialing in using your phone and entering the access code when prompted:

United States (Toll Free): 1-866-899-4679

United States: +1 (571) 317-3116

Access Code: 287-781-445

* 1. **Post-Bid/Pre-Award Checklist**

Reference Section 00100 for Post-Bid/Pre-Award Checklist, key items to consider are:

* Evidence of Worker’s Compensation Insurance coverage; if self-insured agreement with TWC
* Employee leasing company evidence of Texas State License and copy of Worker’s Comp policy
* Financial Statements
* Qualifications Statement
* Qualifications of Key Personnel
* Updated Minority Certification and Participation Summary
	1. **Wage Rates**

EPWater Staff and Engineer have determined that the following wage rates are applicable for this project:

2016 Paving & Street Construction, Dirt Work, Heavy Construction, Pipeline Work Highway

1. **Project Requirements [Steve Ainsa, P.E., AECOM]**
	1. **Project Description and Scope of Work**

The work at High Chaparral Reservoir will generally include but not be limited to demolition and reinstallation services. Pre-Demolition work will include Owner coordination to take the site out of service, remove and replace isolation yard valves and piping, draining the 3.5-million gallon steel ground reservoir, reservoir demolition activities, reservoir reconstruction, coating, startup and testing. Demolition activities will include the removal of the entire roof, entire roof support system, all columns and the entire floor area, as well as the existing gravel bedding and sand within the existing concrete ring beam area. Some items, generally including the exterior access ladder, level probe, level sensor, SCADA antenna will be removed, stored, protected and reinstalled. Demolition activities will include structurally supporting the existing tank wall at all times, site safety measures, noise mitigation, dust control and removal and disposal of all demolished items. Reinstallation work will include all the items mentioned, new roof, access hatches, roof penetrations for cathodic protection system, roof vent, all roof support, all columns and rafters and new tank floor area over new sand bedding. Within the existing ring beam area, a new cathodic protection system with rectifier will be installed to protect the floor. From the new roof, a cathodic protection hanging anode system and rectifier will be installed to protect the wall. The project work will include installation of new valves, both above grade and below grade, yard piping modifications, excavation, backfilling, all testing and the reinstallation of existing items as identified and confirm that such items will still properly function. The project work will also include grit blasting both the interior and exterior of the reservoir and providing new coating systems at each area. The project work will include all intended miscellaneous and ancillary items necessary to complete the project, including bringing the site back into services.

* 1. **Project Location & Conditions**
		1. Project is located 6201 Via Serena Drive
		2. Special project site consideration
			1. Project site is located in a residential neighborhood
			2. Noise and dust control to be kept reasonably low
	2. **Key Personnel**
		1. Project Manager
		2. Superintendent
		3. Construction Engineer
		4. Scheduler
		5. Foreman
	3. **Minimum General Project Requirements**
		1. The Bidder must demonstrate a minimum of four years of experience in projects similar in nature and scope to this project. At least four \*Key Personnel employed by the Bidder must have a minimum of five years of experience in similar construction projects. The Bidder must demonstrate \*\*Successful Completion during the last five years of at least one project comparable in nature and scope to this project and one similar project with a dollar value of at least 60% of the value bid for this project. The Bidder must have an employee, to be dedicated to this project, who is experienced in scheduling, with demonstrated ability in employing scheduling techniques similar to those to be used for this project.
	4. **Minimum project specific requirements (Section 00100)**

1. Project involves significant demolition and removal of the roof, roof supporting members, columns and floor of a 3.5-MG steel ground reservoir, leaving the 32-foot high steel wall intact. Bidder must demonstrate successful completion of a project of similar size and demolition activities with the same Key Personnel proposed for this project.

2 Project involves the erection of structural steel within the confines of an existing 3.5-MG steel

ground reservoir with existing concrete ring beam and sand bed foundation and existing 32-foot

 high steel wall. Bidder must demonstrate one similar successfully completed project where the

 Bidder successfully utilized a shoring and bracing method of the tank wall to complete the

 erection of new steel floor, columns, roof supporting members and roof.

3. Project involves the rehabilitation of a 3.5-MG steel ground reservoir, that includes significant

demolition activities, replacement of new steel from the floor to the roof and grit blasting.

Bidder must demonstrate successful completion of a project of similar size and scope that was

surrounded by a residential or commercial area and includes one Key Personnel in charge of

dust and noise control who also successfully communicated with the public in the surrounding

area of the project to mitigate public complaints.

4. Project involves grit blasting of the interior wet-zone to a near-white finish, interior dry-zone to

a commercial blast finish and the tank exterior to a commercial blast finish at a 3.5-MG steel

ground reservoir. Bidder must demonstrate successful completion of a project of similar size

where such grit blasting as indicated was performed, including preparations and planning based

on weather conditions involving rain and humidity in preparing the substrate for the application

of new coating systems, holiday testing, patch coating and coating thickness testing activities.

These requirements may be satisfied by employing the services of a qualified Subcontractor.

5. Project involves field coating for interior wet and interior dry zone conditions of steel water

storage tanks. Bidder must demonstrate successful completion of a project of similar size where

similar installation of field coating was performed for the application of new coating in a steel

water storage tank. These requirements may be satisfied by employing the services of a

qualified Subcontractor.

6. The project includes modification of existing large diameter water pipe that also includes saw

cutting existing pipe and installation of new pipe. The Project Superintendent employed by the

Bidder must demonstrate successful completion of a project of similar complexity that required

installation and tie-ins of new water pipe 18 inches or larger in diameter and installation of

similar size valves on existing water pipe 18 inches or larger in diameter.

* 1. **Liquidated Damages**
* Substantial Completion - **$1,640** per calendar day
* Final Completion - **$970** per calendar day
	1. Videotaping/Record Drawings, (Section 01 11 00, Page 9)
	2. Traffic Control, (Section 01 11 00, Page 4)
	3. TPDES-SWPPP (Section 01 11 00, Page 4)
	4. Testing and Testing Laboratory Services, (Section 01 45 20) – All testing to be paid by the Contractor
	5. OSHA Requirements - Excavating, Trenching & Shoring Safety Systems, (Section 02 22 00)
	6. Construction Issues/Coordination Requirements:
		1. All permits for hauling to be acquired through the City of El Paso
		2. Location and Protection of Existing Facilities
		3. Connections to Existing Facilities
		4. Construction Water
	7. General Construction Checklist
1. No construction will begin until Engineer has received and approved the schedule and per the Phase 1 requirements of Section 01 11 00.
	1. A two week look-ahead schedule shall be provided at all weekly progress meetings.
2. Normal working hours are defined as Monday through Friday from 8:00 a.m. to 4:00 p.m. (see Section 01 11 0, Page 3)
3. The Contractor shall coordinate the project schedule with the Owner and Engineer to account for work that may be required outside of regular working hours. Additional days will not be granted for work related to meeting the project schedule. Advance notice shall be requested and hours outside the normal workday shall be paid for by the Contractor as stipulated in the contract.
4. Shop Drawings or Samples (Section 01 33 00):
	1. Where Shop Drawings or Samples are required by the Contract Documents and the Schedule of Submittals, any related Work performed prior to Engineer’s review and approval of the pertinent submittal will be at the sole expense and responsibility of the Contractor.
5. Open Excavations:
	1. All open excavations shall be adequately safeguarded by providing temporary barricades and other means to prevent accidents.
6. Demolition Activities:

Demolition activities shall be performed in an orderly and safe manner. Such materials shall not be allowed to accumulate on the site and are to be hauled off on a regular basis, due the space limitations of the site.

1. Laydown Area:

The Contractor may secure additional space at its choosing at no additional cost to the contract. The site is somewhat restricted; therefore, the Contractor will need to manage the available space effectively, including at times when needed, parking vehicles on the street. In no instance will any residential driveways, mailboxes and fire hydrants be blocked by the Contractor’s personnel.

* 1. **Work Sequence or Phasing**
		1. See Section 01 11 00, Summary of Work for phasing requirements.
	2. **Surveying**
		1. Contractor shall provide a Texas registered surveyor to layout the tank column locations and other structural members, in order that all connections intended and designed to be bolted mate up correctly.
	3. **Materials Testing Services**
		1. Testing will be coordinated with on-site inspector in general and with the NACE certified inspector specifically for welding and coating of the new tank.
	4. **Extents of Construction**
		1. Contractor shall confine construction activities to the limits designated on the drawings.
	5. **Special Controls**
		1. Supporting the existing tank wall after removal of the roof and floor. Contractor shall use a Texas registered structural engineer to submit on its method of shoring of the tank wall, including signing and sealing all structural shoring and support shop drawings.
	6. **Site Visit**
		1. A site visit is encouraged and to be coordinated for those interested, at the end of this meeting.
1. **Questions [Ryan Stubbs]**