

NOTICE TO ARCHITECTS, ENGINEERS, AND PLANNERS

NOTICE IS HEREBY GIVEN, that the City of Oklahoma City has a project that requires the services of a consulting firm.

In order to be considered, the Consultant must comply with the Resolution establishing procedure for "Selection of Architects, Engineers, and Planners" adopted by the City Council on November 18, 1986, a copy of which may be obtained at <http://okc.gov/departments/public-works/engineer-architect-resources/notice-to-a-e> from the office of the Public Works Department Director.

The Project is as follows: **WY-0029, Restoring Storage Capacity in Overholser Reservoir**

Scope of work: The Engineer will provide a study resulting in a report that discusses the feasibility of removing the silt from the reservoir to its original storage capacity of 20,000 acre feet. The study and report must evaluate at a minimum the following;

1. Provide an option of doing nothing and what the lifetime of the reservoir may be from continued siltation loading
2. The value of currently stored water
3. Costs for removing accumulated siltation
4. The value of the additional stored water as a result of removing silted material
5. An anticipated timeline for removing the siltation from the reservoir
6. A means for removing silted material from the reservoir
7. Loss of water due to evaporation and seepage
8. Water transfer and volumes from the Overholser Reservoir to the Hefner Canal during drought times

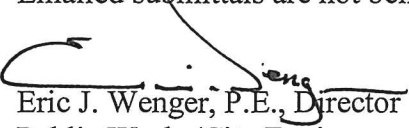
A question and answer meeting will be held from 2:00 to 3:00 pm on November 7, 2018 at 420 W. Main Street, Suite 500, Conference Room A. Please address your questions at the meeting. The Utilities Department contact is Larry Hare at (405) 297-3681.

As a part of your Letter of Interest, provide your understanding of the project and your expertise and experience on similar projects.

Refer to the basic contract located on <http://okc.gov/departments/public-works/engineer-architect-resources/notice-to-a-e>. All contracts with the City or its related Trusts use this contract. Please review the contract to ensure insurance and indemnity requirements will be met.

Please include a 254 Form with your Letter of Interest.

Time Schedule for the above project: The Engineering Report is required within one hundred eighty (180) days of the issuance of the Work Order. Last date for submitting Letter of Interest (**two copies of letter and all attachments and an electronic copy, provided on a CD or flash drive**) to the Public Works Department Director, 420 W. Main Street, Suite 700, Oklahoma City, OK 73102: prior to 5:00 p.m. November 13, 2018. Emailed submittals are not being accepted at this time.


Eric J. Wenger, P.E., Director
Public Works/City Engineer



The City of
OKLAHOMA CITY
UTILITIES DEPARTMENT

September 27, 2018

Project Title: Restoring Storage Capacity in Overholser Reservoir

Project Location: Overholser Reservoir

Project Number: WY-0029

Estimated Project Cost: Not Applicable

Background: The Overholser Dam serves to impound water from the North Canadian River into the Overholser Reservoir. The Overholser Dam also has a river dam gatehouse with caterpillar gates that is instrumental in diverting the river's flow into the northeast part of Overholser Reservoir and into the Hefner Canal leading to the Hefner Reservoir. The Overholser Reservoir and Dam, originally built in 1918, is one of seven raw water storage facilities for the City of Oklahoma City. The west side of the dam was rebuilt in 1924 after failing during heavy flood events in 1923.

As originally constructed, the reservoir had approximately 20,000 acre-feet (AF) of storage. From the Volume 2 of the 2002 Water Master Plan by MWH: "*Bathymetric studies for Lake Overholser conducted in 1952 by the U.S. Navy, in 1982 by OWRB, and in 1999 by the Oklahoma City Public Works Department, were used to estimate the loss of the Lake's storage volume... Sediment deposition is currently occurring at approximately 50 acre-feet/year. Sedimentation rates are reducing over time, from an interval rate of about 100 acre-feet/year when the Lake was first constructed to a projected 30 acre-feet per year in 2050.*" Currently, the reservoir has silted-in to a point where there is approximately 13,000 AF of storage.

The Overholser water treatment plant (WTP) will be decommissioned and will no longer treat water from the reservoir. To continue using the water stored in the reservoir, a plan for a raw water transfer pump station to bring water from the Overholser Reservoir to the Hefner Canal is being contemplated under a different contract and is not a part of this project. Water transfer and volumes from the Overholser Reservoir to the Hefner Canal to meet the City's lake level management plan and during drought times should be considered in this proposal.

Project Intent: The Engineer will provide a study resulting in a report that discusses the feasibility of removing the silt from the reservoir to its original storage capacity of 20,000 AF. The study and report must evaluate several things:

- 1) The option of doing nothing and what the lifetime of the reservoir may be from continued siltation loading,

- 2) The value of currently stored water,
- 3) Costs for removing accumulated siltation,
- 4) The value of the additional stored water as a result of removing silted material,
- 5) Anticipated timeline for removing the siltation from the reservoir,
- 6) Means for removing silted material from the reservoir,
- 7) Loss of water due to evaporation and seepage,
- 8) Water transfer and volumes from the Overholser Reservoir to the Hefner Canal during drought times.

Proposal Instructions: Upon public advertisement, interested consulting firms will have four (4) weeks to prepare general qualification proposal materials. During this stage of the general qualifications material development, OCWUT staff will hold a question and answer session 7 days prior to the due date regarding this project. Three firms will be identified for a set interview date four (4) weeks in advance of said event. During this second four (4) week period the three identified firms may engage OCWUT staff in individual meetings to gain further project specific knowledge in advance of the interview session.