

## 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: SC-1007, Rehabilitation of Lift Station No. 5, 7, 19, 25, and 28

**Project Scope:** This project will provide the assessment of each lift station. The assessment includes but is not limited to: analysis of the structural integrity, automation, generation energy power, and operational hydraulics. Upon completion the engineer will prepare plans and specifications to bring each station to an acceptable level of service.

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

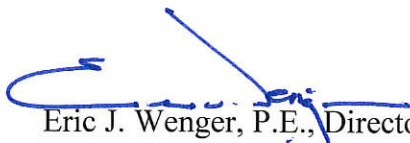
Additional information can be found on <http://okc.gov/departments/public-works/engineer-architect-resources/notice-to-a-e>.

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.

A Pre-Proposal meeting will be held from 4:00 to 5:00 pm on August 30, 2017 at 420 W. Main Street, Suite 500, Conference Room A. Please address your questions at the meeting. The contact for Utilities Department is Bryan Mitchell at (405) 297-3811.

***Please include a 254 Form with your Letter of Interest.***

Time Schedule for the above project: Engineer Report required within ninety (90) days and Final Plans in ninety (90) 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. September 13, 2017. Emailed submittals are not being accepted at this time.

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

Project SC-1007, Rehabilitation of Lift Station at the following locations:  
No. 5 at 3211 NW Grand Blvd., No. 7 at 5002 NW 59<sup>th</sup> St., No. 19 at 4430 SE 44<sup>th</sup> St.,  
No. 25 at 3104 E. Overholser Dr., and No. 28 at 2509 N. Donald Ave.

**Project Intent:** Provide the assessment of each lift station and develop plans and specifications for rehabilitation or replacement.

#### Physical Assessment of Assets

- Structures-Analyze the structural integrity of the Lift Station Structure.
- Pumps and Appurtenances - Analyze pumps and valves for operational efficiency. Review maintenance records to assist in analysis.
- Automation-Verify all SCADA and automated controls, if present, function appropriately and are within current City standards.
- Electrical-Verify and analyze electrical components to meet code requirements.
- Force Main- determine the integrity and life expectance of the force main.
- On Site Power Generation– If present, assess the condition and operational condition of power generation assets in place.
- Quick Connect Alternative Pumping – If present, assess the condition and capacity of quick-connect options, if present, for either mobile power or mobile mechanical pumping sources.

#### Operational Hydraulics

- Define Operational Parameters - Coordinate with the Wastewater Quality division of OCVUT to ensure long term operational performance
- Pumping Capability for Long Term Service- Analyze and incorporate future demands into design recommendations.
- Force Main Hydraulics - Verify current hydraulics and incorporate future operational needs and recommended pipeline profile.

#### Financial Assessment for Each Location

- Estimated cost of improvements
  - Physical structures required
  - Pumping assets required
  - Onsite power or portable pumping assets required
  - Force Main asset improvements required
  - SCADA assets required
- Annualized cost for O&M determined

#### Design Services

- Structure - Design needed improvements to bring each lift station to an

acceptable level of service.

- Pumping - Design needed improvements to convert wet-well/dry-well arrangements to full wet well operations. Submersible pumps will be utilized in all designs.
- Power- Acceptable alternative service in case of power grid outage will be required. Onsite power, mobile power and mobile pumping will be considered for each location
- Force Main- Design needed improvements to ensure force main integrity and capacity through the design life of the final project.
- SCADA - Design needed operational controls to meet OCWUT standards

#### Services during Construction

- Oversee construction activities to ensure that improvements meet design conditions and built in accordance with project specifications.
- Oversee the development and ensure the delivery of O&M materials necessary to ensure long term service by the owner