



**REQUEST FOR PROPOSALS FOR A  
SEWER PUMP STATION REHABILITATION**

On or before 12:00 p.m. on Monday, September 14, 2015, the Town of Kingston Springs, Tennessee will receive proposals and qualification statements from interested parties related to a rehabilitation of an above ground sewer pump station. No late statements will be accepted.

Interested parties should submit copies of their statement of proposal to:

City Manager Mike McClanahan  
Town of Kingston Springs  
P.O. Box 256  
396 Spring Street  
Kingston Springs, TN 37082

Questions concerning this RFP may be directed to Public Works Director Clint Biggers at (615) 952-2110 ext. 15 or by email at: [CBiggers@KingstonSprings-TN.gov](mailto:CBiggers@KingstonSprings-TN.gov).

Please Note:

The selection of an individual or company wishing to provide sewer pump station rehabilitative services will not be made on cost alone, but may be made based on consideration of qualifications, previous experience, quality of previous work, time to completion, and price.

The Town of Kingston Springs reserves the right to reject any or all bids.

Services will be authorized on, or around Friday, September 18, 2015

## SCOPE OF SERVICES

The Town of Kingston Springs is seeking to rehabilitate an above ground pump station, currently in-service in its wastewater public utility. The finished product should include the following features:

- Operating Conditions: Each pump shall be capable of delivering 100 GPM of raw water or wastewater against a total dynamic head of 157 feet.
- Station Base: The supporting floor shall be minimum ½” thick with reinforcing, as required, to prevent deflection and ensure an absolutely rigid support. The baseplate of the pump station structure shall be fabricated of corrosion-resistant lean duplex series 2100 stainless steel alloy, 316L stainless steel or equal. To allow on-site maintenance of pumps, a stanchion with lifting arm shall be provided to lift each pump. The lifting arm shall have a hook over the center of the motor to support a hoist (provided by others) for removal of the motors, impellers, and pumps from the station.
- Fiberglass Enclosure: A fiberglass enclosure must be provided.
- Manway: A two-piece manway cover of ¼” aluminum tread plate, with stainless steel piano hinges and hardware, located exterior to the fiberglass pump chamber shall be provided, complete with padlocking provisions.
- Main Pumps: The pumps shall be 4” vertical centrifugal non-clog type of heavy cast-iron construction especially designed for the use of mechanical seals and vacuum priming. Pumps with less than a standard 4” suction, or 4” discharge connection, or with less than a 3” spherical solids handling capacity will be rejected for this application. Smith and Loveless brand pumps strongly preferred.
- Motors: The pump motors shall be vertical, solid shaft, NEMA M-base, squirrel-cage induction-type, suitable for 3 phase, 60 cycle, 230 volt electric current.
- Controls: The control equipment shall be mounted in a NEMA Type 4 steel enclosure with two hinged, lockable doors and a steel barrier partition down the middle. One side of the divider shall house the three-phase circuits (motor starters and circuit protectors, etc.), and the other shall house the single-phase control circuits and low voltage components. An automatic alternator with selector manual switch shall be provided to change the sequence of operation of the pumps after every cycle. The manual switch shall either pump to be selected as a base pump or for automatic operation.
- Pump Failure to Prime or Failure to Pump Alarm: To sense failure to deliver normal flow for any reason, including failure to prime, each pump shall be provided with a sealed sensor switch mounted in a protective ABS enclosure.
- Environmental Equipment: A ventilation blower capable of delivering 250 CFM at 0.1” static water pressure shall be provided in order to remove the heat generated by continuous motor operation.
- High Wet Well Level Alarm Backup Float: An adjustable displacement switch shall be provided to sense a high water level condition. The switch shall hang into the wet well and shall activate a contact to indicate the high water condition.

## **PROPOSAL EVALUATION**

Proposals will be evaluated based on previous experience with similar projects, quality of previous work, time to completion, and price.

Proposals should include (1) a description of the qualifications of the individual or company, (2) a detailed description of the proposed project, (3) a list of similar projects in the last three years with a description and a contact person, (4) a project timeline, and (5) a project budget.