



RFQ 2016-034
REQUEST FOR QUALIFICATIONS
UPGRADES TO SIX SANITARY PUMP STATIONS
TOWN OF STRATFORD

BACKGROUND

The Town of Stratford owns and operates a sanitary sewer collection system, twelve wastewater pumping stations and an advanced secondary treatment plant. The Town provides wastewater collection and treatment services to approximately 90% of its 50,000 residents, as well as its commercial and industrial establishments. The WWTF underwent a major upgrade in 2009. The design flows are 11.1 MGD average daily flow, 19.5 MGD maximum daily flow and 39.0 MGD peak hourly flow. In 2014 the Town hired Tighe and Bond to study 6 pump stations that were over 35 years old to identify improvements necessary to maintain the reliability of the stations into the future. This report was completed in 2015. The executive summary to the report is attached herewith and the full report is available for review in the Town Engineer's office.

INTENT

The Town of Stratford is seeking Qualifications Statements from qualified engineering firms for the purpose of selecting a consultant to design renovations to six sanitary pump stations. Engineers shall have experience in designing sanitary pump stations in accordance with Clean Water Fund and US Environmental Protection Agency (EPA) regulations and accepted design guidelines.

The following Pump Stations will be included in the design project:

<u>Location</u>	<u>Type</u>	<u>Est Max Capacity* GPM</u>	<u>Generator</u>	<u>FM size & length</u>	<u>Year Built</u>
Benton St	WW / DW	4000	Yes	20", 3745'	1976
Oak Bluff Ave	WW / DW	1200	Yes	12", 4500'	1978
Ryans La	WW / DW	1200	Yes	10", 400	1981
Ryders La	WW / DW	3000	Yes	16", 576	1972
Pecks Mill Pond	WW / DW	6000	Yes	20", 1000'	1972
Short Beach Park	WW / DW	3000	Yes	14", 4800'	1978

*basis from 2001 facility plan

OUTLINE SCOPE OF WORK

REVIEW AND EVALUATION OF EXISTING INFORMATION

The consultant will review and evaluate the existing information, listed below, to gain an understanding of the specific services required to identify areas of excessive infiltration and inflow within the collection system.

- Design and or as-built drawings of each pump station and forcemain.
- Design and or as-built drawings of sewer collection system downstream of forcemain.
- Previous engineering and planning studies including;
 - 2001 Facilities Plan- by Earth Tech
 - 2015 Evaluation of Six Pumping Stations by Tighe and Bond]
 - 2016 Emergency Wet Well safety upgrades to Pecks Mill Station by Tighe and Bond
- EPA Administrative Order No. 10-012, dated June 24, 2010, relative to collection system capacity, management, operation and maintenance (CMOM) and associated responses.
- Underground Tank replacement project plans from 2004.

Coordinate with consultant working on the Town's I/I and collection system capacity study underway in the spring of 2016 to incorporate any data or recommendations from this study. Also coordinate with the consultant working on emergency safety repairs at these stations.

Design project

1. Generate new drawings utilizing existing and field generated information to generate a base plan set for construction drawings.
2. Perform topographic survey to generate base plan set for site construction drawings.
3. Evaluate a variety of options to determine the best way to phase the project considering cost effective construction economies of scale and the town's ability to meet its debt obligations.
4. Provide periodic updates and recommendations to the Subcommittee and Water Pollution Control Authority.
5. Design improvements as recommended in the January 2015 Evaluation report. The improvements will be phased in order to cost effectively implement the recommendations over a period of time as the town's budget can absorb over a number of years.

One such phasing option would perform a total renovation of Pecks Mill and Ryders Lane stations first and then implement primary and intermediate improvements to the other four stations, with a follow up project implementing lower priority renovations at the four stations as separate projects. Therefore, several designs and bid packages will be needed to implement in this fashion or some other practical option.
6. Evaluate forcemain needs at each station.
7. Provide all engineering, environmental, controls, security, technology, and architectural services needed to provide a state of the art, cost efficient and aesthetically pleasing station to operate and maintain.

8. Submit for review progress drawings to the Town and the CT DEEP for comment and acceptance.
9. Provide all drawings, details, specifications, bid documents, etc. necessary to bid and construct the projects.
10. Prepare cost estimates at progress submissions and final design.
11. Prepare Clean Water Fund Application to secure funding from the DEEP for design phase (and construction project) in various phases.
12. Prepare the bid and provide bid assistance and award recommendation.

Construction Phase services (If engaged to perform these services)

1. Provide information and assistance to secure CWF Construction funds.
2. Perform standard Construction Administration Services for the duration including close out of the one or many projects generated during the design phase.
3. Perform inspection of the work as needed.
4. Perform reporting to WPCA and CT DEEP as needed during construction.
5. Provide information as needed to seek reimbursement of CWF expenses.

QUALIFICATIONS STATEMENTS

SUBMITTAL REQUIREMENTS AND SELECTION PROCESS

Interested firms should submit seven (7) hardcopies and one (1) digital copy of their Qualification Statement to the office of the Purchasing Agent, 2725 Main Street, Stratford, CT 06615 by 3:00 p.m. July 25, 2016. A shortlist of engineers may be selected for interview. Submittals shall include, at a minimum, the following information:

- List of references for recently completed Pump Station studies and designs, particularly those performed with CT DEEP oversight and funded with Clean Water Fund funding.
- Resumes of key personnel who will actually be involved in the Stratford project.
- Identification and qualifications of any small or disadvantaged business enterprises to be utilized in this project.
- Description of your understanding and approach to the needs of the project.
- Detailed scope of work.

Engineering consultants shall be selected using the Qualifications Based Selection (QBS) process. Any contract awarded under this Request for Qualifications (RFQ) is expected to be funded in part by Connecticut Department of Energy and Environmental Protection (DEEP). This procurement will be subject to requirements contained in Section 22a-482-4(h), (i), and (o) of the regulations of Connecticut State Agencies. The State of Connecticut is not a party to this RFQ and will not be a party to any resulting contract. Any contract awarded under this RFQ is also subject to the availability of Town funding.

Qualified firms shall ensure that all appropriate licenses and certifications required by the State of Connecticut are in place and shall meet all municipal, state and federal affirmative action and equal employment opportunity practices.

MBE/WBE INVOLVEMENT

Any contract awarded under this request for qualifications is expected to be funded in part by the State of Connecticut, Department of Energy and Environmental Protection (DEEP). This procurement will be subject to State requirements including MBE/WBE participation. The consultant shall be responsible for complying with all State of Connecticut DEEP and / or other state requirements including the utilization of Minority Business Enterprises (MBE) and Women Business Enterprises (WBE).

COMPLIANCE WITH LOCAL ORDINANCE:

No changes in the terms, conditions or scope of contract that increase the cost of the contract shall be made without the approval of the Stratford Town Council. The contractor's attention is directed to Chapter 8, an ordinance regarding change orders. Specifically, the following sections shall be made part of this contract.

8-4 Definitions

(a) Contractor means any individual or entity that performs work either as a subcontractor or contractor for the Town.

8-5 Additional Non-Contracted Work

Any contractor who does work for the Town of Stratford and needs to perform work not included in the contract for proper completion of the project must immediately inform the project Architect or the Town Engineer or his/her designee in the absence of an architect before work not included in the contract is commenced.

INDEMNIFICATION

The Contractor agrees to indemnify and hold harmless the Town of Stratford; it's agents and employees from any and all claims or demands for damages or injuries to either person or property, which arise out of the performance of this contract.

RESERVATIONS

The Town of Stratford may consider informal any proposal not prepared and submitted to the Town in accordance with the provisions herein stated. The Town of Stratford reserves the right to reject any or all proposals or parts of proposals; to waive defects in same proposals; or to accept any proposal or part thereof deemed to be in the best interests of the Town of Stratford.