REQUEST FOR QUALIFICATIONS

Orange Water and Sewer Authority (OWASA)
Morgan Creek Aerial Assessments
CIP Project No. 276-05
Issue Date: July 19, 2022

Submittal Deadline: August 31, 2022 at 2:00 pm

1) INTRODUCTION

Your firm is hereby invited to submit a written statement of qualifications to provide professional engineering services for evaluation, field investigation, and condition and risk assessments for the Morgan Creek aerial crossings of the gravity sewer interceptor. OWASA will conduct a Qualification-Based Selection process to identify the best qualified firm with which to negotiate a contract. The consultant firm shall demonstrate experience with similar projects and appropriate professional and technical expertise as well as adequate resources to fulfill the stated scope of services in a timely and cost-effective manner.

To be considered by OWASA, responses to this RFQ must be received by 2:00 p.m. (local prevailing time) on August 31, 2022. Refer to Section 5 – Proposal Requirements for additional details.

2) PRIMARY OBJECTIVES

The project's primary objectives of this project are:

- Determine asset risks of Morgan Creek aerial crossings utilizing likelihood/consequence of failure methodology (LOF/COF)
- Determine condition of existing aerial crossings utilizing field and office assessments
- Minimize environmental disturbances to Morgan Creek
- Identify and prioritize further investigations needed
- Identify and prioritize future rehabilitation projects needed

3) BACKGROUND AND PROJECT UNDERSTANDING

OWASA's wastewater collection system conveys flow to the Mason Farm Wastewater Treatment Plant (WWTP) from four sewer basins (Bolin Creek, Booker Creek, Little Creek, and Morgan Creek). Flow from the Morgan Creek Basin represents nearly half of the flow in the OWASA service area and is conveyed through approximately 106 miles of pipe to the Morgan Creek Pump Station and pumped into the WWTP. The basin's main interceptor, which runs parallel to and occasionally crossing Morgan Creek, varies in size from 12 inches to 60 inches. Through the recent years, leaks and emergencies have occurred throughout the interceptor, particularly at aerial crossings. Most recently, in 2021 one of the aerial crossings along the Morgan Creek Interceptor failed due to streambank erosion, which had undermined a nearby manhole placing additional stress on the pipe. This resulted in an (SSO) and

ultimately an emergency replacement of the entire aerial crossing pipe, which was also found to have significant corrosion and a leak along the invert of the pipe.

This project scope will include office and field assessment of the aerials to establish updated condition ratings and expected remaining useful life based upon best available information. Also, the project will identify and prioritize additional investigation and rehabilitation needed for the aerial crossings along the corridor.

The final scope of the project will be negotiated with the selected firm.

4) PROJECT SCOPE OF SERVICES

The engineering services required for this project are expected to be completed in general accordance with a scope of services as needed to accomplish the major tasks listed below. **However, the final scope of services will be negotiated with the selected engineering firm and may include modified and/or additional tasks.**

1. Engineering services shall include field condition assessment of each included aerial crossing along the Morgan Creek corridor, summarizing existing conditions. OWASA is open to different assessment technologies and techniques. Bypassing of the gravity interceptor is not expected for this assessment project. There are approximately 10 aerial crossings that are expected to be included in this project.
2. Risk assessment of aerial crossings along the Morgan Creek corridor, utilizing condition scores and likelihood/consequence of failure methodology.
3. Assessment of remaining useful life based upon best available information.
4. Identification and prioritization of future investigations needed
5. Identification and prioritization of future rehabilitation projects needed

5) DELIVERABLES

All written work products developed pursuant to this project shall be provided to OWASA in a digital format in a manner acceptable to and usable by OWASA. The actual list of deliverables will be negotiated with the selected engineering firm.

6) PROPOSAL PROCESS AND REQUIREMENTS

Responses to this RFQ must be received by OWASA no later than 2:00 p.m. EST on August 31, 2022. To be considered, please submit four (4) hard copies and one (1) electronic copy in PDF format of the required qualifications to:

Coleman Olinger, P.E.
Orange Water and Sewer Authority
400 Jones Ferry Road
Carrboro, North Carolina 27510
Email: colinger@owasa.org

Consultant qualifications and technical proposals will be limited to a maximum of 12 double-sided pages (i.e., 24 pages printed double-sided onto 12 sheets). Proposals not printed double-sided shall not be considered. All submittals will become the property of OWASA.

Each submittal must include the following in order to be considered:

a) ***Statement of Interest [5 points]:*** This shall explain your firm's interest in performing the work on this project, including how the project aligns with your firm's capabilities.
b) ***Project Team [15 points]:*** The submittal shall include a listing or organization chart of the proposed project team members, including sub-consultants, and clearly identify their respective roles on the project. Each proposal shall include resumes of key team members and their availability.
c) ***Project Approach [30 points]:*** Clearly describe your proposed approach for this project. Provide detailed information that will allow OWASA staff to distinguish your team from other firms that may be competing for this project. Your proposal shall provide a step-by-step description of the phased approach for completion of the project, as you understand it, and the specific goals and deliverables for each phase in the process.
d) ***Previous Experience and References for Similar Projects [20 points]:*** Provide references (including name and contact information for the client) and summaries for three (3) similar projects your firm/team has completed within the past ten (10) years for other clients. Also indicate who served as your project manager for each project, and who had key lead technical roles in those projects.
e) ***Project Schedule [25 points]:*** The proposal shall include anticipated project schedule clearly describing and demonstrating your understanding of the necessary project activities, reasonable durations and sequencing risks associated in meeting the project's schedule. It is OWASA's goal to complete this project in its entirety within Fiscal Year 23 (July 1, 2022 – June 30, 2023).
f) ***Project Concerns [5 points]:*** Identify any potential concerns or hindrances to successful completion of the project.

7) SELECTION PROCESS AND CRITERIA

OWASA intends to select a consultant and award a contract by October 2022 and issue a Notice to Proceed no later than November 2022. OWASA staff will review and evaluate the submittals based on:

a) responsiveness to the RFQ,
b) experience, qualifications and availability of the proposed Project Manager,
c) makeup of the rest of the project team, including the experience and qualifications of key project staff,
d) firm's related experience and performance on other projects, especially the quality of work, budget control, project schedule, overall cooperation and responsiveness,
e) references on past similar projects, and
f) proposed project approach.

Note: OWASA may elect to conduct face-to-face interviews with two or more firms being evaluated prior to making a final selection. If OWASA cannot reach an agreement with the initially selected firm, OWASA will then proceed to negotiate with other firms that submitted proposals or will reissue the RFQ. OWASA reserves the right to make an award in whole or in part, or to reject any and all proposals and not award a contract for the services described in this RFQ.

8) OWASA POINT OF CONTACT

Coleman Olinger, PE will be OWASA's primary point of contact for all consultant selection matters relating to this project. **All questions regarding this Request for Qualifications must be emailed** to Mr. Olinger at colinger@owasa.org.

9) ATTACHMENTS

1. Project Area/Location Map
2. Contract Agreement template