

ALLEGHENY COUNTY SANITARY AUTHORITY (ALCOSAN)

**REQUEST FOR QUALIFICATIONS
for
PROFESSIONAL SERVICES
ALLEGHENY RIVER TUNNEL
NEAR SURFACE FACILITY PACKAGE 6
FINAL DESIGN CONSULTANT
PROJECT S-486**

June 22, 2022

1.0 Background

The Allegheny County Sanitary Authority (“ALCOSAN”) entered into a Consent Decree on January 24, 2008, with the U.S. EPA, Pennsylvania DEP and the Allegheny County Health Department to address Combined Sewer Overflows. A Modified Consent Decree was approved on May 14, 2020, to replace the 2008 Consent Decree. Copies of these documents are all available via ALCOSAN’s Website at the following location: <https://www.alcosan.org/our-plan/plan-documents>.

ALCOSAN contracted with a professional engineering firm in 2017 to perform Preliminary Planning for the Regional tunnel system. Work undertaken in the program consisted of tunnel sizing and layout, surface structure configuration and layout, geotechnical investigation, hydraulic and surge analysis, and costing. The deliverable from this process is the Preliminary Basis of Design Report (BODR) which is included with this Request for Qualifications.

2.0 INTRODUCTION

ALCOSAN is soliciting Letters of Interest and Statements of Qualification (collectively, “Submittals”) from Professional Engineering firms to perform the Allegheny River Tunnel (ART) Near Surface Facility (NSF) Package 6 Final Design Consultant (FDC) Services. The program will advance the work performed by the Preliminary Planning team to advance the Near Surface Facilities included in Package 6 of the ART project, consolidation sewers, regulators, outfall, abandonment of existing facilities, and connections to existing sewers to a final design in coordination with the proposed development of the north shore of the Allegheny River between Sharpsburg and Aspinwall particularly Allegheny Shores and previously referred to as Riverfront 47.

Design flow shall be provided by the Tunnel Program Management Consultant (TPMC). The final designer will work closely with the TPMC to coordinate all future connections are

considered in ensuring the efficient compliance with the water quality objectives of the overall wet weather plan.

The ART NSF Package 6 FDC designer will review several Preliminary Planning reports and memoranda as well as information provided by the Allegheny Shores developer. The primary report is the BODR and drawings that represent approximately the 20% design stage, as approved by the regulatory agencies. Changes to the BODR were documented in the Interim Wet Weather Plan (IWWP) Revision report, the applicable section are shared with proposers during the qualifications stage of this procurement.

This request for qualifications document is intended to assist firms in preparing their Submittals for this project, specifically the final design of the ART NSF Package 6 regulators and consolidations sewers and associated facilities. All Submittals that fail to conform to requirements set forth herein will not be considered by ALCOSAN.

3.0 COMMUNICATIONS REGARDING THE REQUEST FOR QUALIFICATIONS

All communications such as questions and requests for clarification regarding this Request for Qualifications (“RFQ”) must be directed, in writing, to:

Suzanne Thomas
Procurement Officer
Allegheny County Sanitary Authority
Email: Suzanne.thomas@alcosan.org

Proposers should not contact other ALCOSAN employees regarding this procurement.

Responses to all questions and requests for clarification will be posted on ALCOSAN’s website. ALCOSAN will provide, in writing, any clarifications, changes and/or other information deemed to be necessary as addenda to this RFQ. ALCOSAN cannot guarantee responses to any questions received seven (7) days before the Submittal Date.

An informational meeting will be held on-line via Microsoft Teams on June 29, 2022. at 2:00 p.m. All parties interested in attending the informational meeting shall send an email to Suzanne Thomas. Please only register one person for each company. **Registrations must be received by 12:00 noon (EST) on June 28; any registrations received after that may not receive the meeting link.** ALCOSAN will email a Microsoft Teams meeting invite to the company’s representative the day before the meeting. Companies may forward the invitation to their teams upon receipt. This meeting is not mandatory, but all interested parties are strongly encouraged to attend.

4.0 OBJECTIVE

ALCOSAN proposes to retain a highly qualified firm to provide the services described herein. Firms and team members with significant experience in projects with similar characteristics will be given prime consideration for this project. Those firms that participate in this RFQ process will be referred to as “Proposers.” “Proposer” and its Subconsultants shall be referred to

collectively as the “Team.” The successful team shall be referred to as the ART NSF Package 6 Final Design Consultant.

5.0 SCOPE OF SERVICES

Project Name: Allegheny River Tunnel (ART) Near Surface Facility (NSF)
Package 6 Final Design Consultant (FDC)
No.: Project S-486
Location: 3300 Preble Avenue, Pittsburgh, PA 15233
Schedule: 2023 –2024 for final design

ALCOSAN anticipates the following, but is not limited to, these tasks and services:

- Provide survey services for all designed facilities (ALCOSAN monument TM is attached)
- Prepare biddable plans and specifications in accordance with Pennsylvania Municipal Authority procurement codes and regulations
- Evaluate and recommend alignment alternative layouts and optimizations
- Prepare and submit intermediate design products at the 30%, 60% and 90% completion stages for review by ALCOSAN and the TPMC
- Evaluate and recommend construction methods/technologies
- Manage the design schedule to ensure Compliance Dates are achieved and in cooperation with the development of the Allegheny Shores development. Notify ALCOSAN of any deviations and provide remedies to prevent penalties from missed milestones
- Prepare and submit cost estimates and construction schedules at the 30%, 60% and 90% stages of completion
- Provide input and coordination of project specific risks to the TPMC risk register to manage risks including schedule, cost, and mitigation strategies to reduce or eliminate risk
- Identify required construction and permanent easements and work with the Property Acquisition Consultants to acquire any necessary property
- Develop survey exhibits to accompany property acquisition. Limits of easements and/or acquisitions shall include sufficient property for the future ART-A72 drop shaft connection to the proposed ART. Design of the future ART-A72 drop shaft is not included in this Scope of Services, though facility layouts shall be optimized to provide

sufficient land considering hydraulics of approach channels and connections of various drop shaft types (cascade, and vortex), access and odor control. The FDC will produce a TM detailing proposed ART-A72 drop shaft location and access alternatives.

- Identify and obtain all necessary permits
- Coordinate and work closely with the TPMC for all design flows and to ensure all future connections (to the ART and conceived municipal improvements) are considered in the design.
- Coordinate with the ART FDC as appropriate.
- Coordinate with the Allegheny Shores / Riverfront 47 developer, Rye Development, local municipalities, and stakeholders in conjunction with ALCOSAN's outreach program.
- Provide field services to support final design package including dye testing, field inspections, utility locating/coordination, condition assessments and line and level surveying of relevant infrastructure. Include sufficient budget to account for inspection of the CSO outfalls.
- Perform hydraulic, geotechnical, and structural design of all proposed facilities. No electrical or mechanical components of the near surface facilities are anticipated at this time.
- Perform detailed hydraulic analysis (which may include Computational Fluid Dynamics) of relevant hydraulic structures, the outfall, and the connection to the river crossing.
- Evaluate odor release and management, sediment/grit assessments and other necessary modeling.
- Use and update Authority models to support final design. Deliver Final Design Models and relevant hydrologic and hydraulic calculations to ALCOSAN
- When required and directed by ALCOSAN, coordinate with internal and external stakeholders.
- Enact a geotechnical program to facilitate the evaluation of both open cut and trenchless construction methods and structure foundation design. The program shall build upon select borings performed during preliminary planning to supplement any areas needing further investigation.
- The geotechnical program shall be performed, conforming to the latest Geotechnical Field Manual.
- Prepare a Geotechnical Data Report (GDR) and Geotechnical Baseline Report (GBR).

- Prepare a Geotechnical Design Memorandum (GDM).
- Figure 1 and Figure 2 attached below display the proposed alignment and sizing of the components for the proposed facilities for ART NSF Package 6.
- Geotechnical budgeting information shall be provided in the Request for Proposal.
- While not included in this Scope of Services, a potential contract extension to perform Design Services During Construction and Commissioning will be considered.

Bidding Phase:

- Attend the pre-bid meeting and prepare minutes
- Respond to bidder questions
- Assist in the writing of addenda
- Assist in the evaluation of bids
- Prepare schedule of design and construction deliverables

The following is an outline of the anticipated procurement schedule based on the information available at this time. The schedule is subject to change. The official project schedule will be included in the Service Authorization for this project.

- June 22, 2022 - Request for Qualifications Issued
- June 29, 2022 – Informational Meeting
- July 28, 2022 – Qualifications Due
- September 2022 – RFP Release
- October 2022 - Proposal submission due
- October 2022 – Interviews
- November 2022 - Contract Award
- December 2022 - Negotiate, Award Fee, Issue Notice to Proceed

6.0 EVALUATION OF QUALIFICATIONS SUBMITTALS/SELECTION PROCESS

The Consultant will be selected based upon the following process:

Shortlist: Once the deadline for the RFQ has lapsed, ALCOSAN’s Procurement Project Team shall review, discuss, and independently rank all Submittals. The Procurement Project Team will evaluate Submittals based upon the following criteria:

- Team’s history and resource capability to perform required services
- Evaluation of assigned personnel
- Related experience
- Ability to meet schedule and project budget
- Familiarity with local area geography and facilities
- Local office within Allegheny County

- Related previous team relationships
- Evaluation of Subconsultants
- References
- Ability to relate to project requirements
- MBE/WBE/SDV Participation

Based upon the evaluations of the Submittals, the Procurement Project Team will develop a shortlist of firms which will be presented to the ALCOSAN Professional Services Committee for approval. Only information provided in this Submittal regarding this RFQ will count toward the firm's score.

Request for Proposals: Shortlisted firms will be emailed a Request for Proposal ("RFP"). Following proposal submission, Proposers will be interviewed by ALCOSAN's Project Procurement Team. The Project Procurement Team will evaluate Proposer's performance in the interview when evaluating the proposals.

After completion of the interviews, all proposals will be individually evaluated utilizing criteria clearly set forth in the RFP.

7.0 QUALIFICATIONS SUBMITTALS

Electronic submittals must be received by the ALCOSAN Contracts Department no later than 2:00 PM on July 28, 2022. It is the Proposer's responsibility to ensure the submittal has been received by the Procurement Officer in a timely manner. Proposer should not copy any other ALCOSAN employees on this submittal unless directed in writing by the Procurement Officer.

Submittals should be submitted as follows:

**STATEMENT OF QUALIFICATIONS FOR
ART NSF PACKAGE 6 FINAL DESIGN CONSULTANT
Project S-486
Suzanne Thomas, Procurement Officer
Suzanne.thomas@alcosan.org**

Late and/or noncompliant Submittals will not be accepted for any reason. Submittals that do not include requested information and/or do not follow the requested format will be considered non-responsive. Non-responsive Submittals will not be evaluated. To enable ALCOSAN to efficiently evaluate the Submittals, Proposers must strictly follow the required format in preparing their Submittals.

Each Submittal shall be organized in the following order:

- A. Letter of Commitment** Provide a cover letter and company profile introducing the firm. This letter shall commit the firm to the terms of this RFQ and shall be signed by a person authorized to bind the company.

B. Outside Cover and/or First Page: Shall contain the name of the RFQ, the name of the Proposer, a point-of-contact, contact information (telephone and email) and the submittal date.

C. Table of Contents

D. Team's Experience/References (Tabbed Section 1): The Proposer shall select five (5) similar projects using Part I, Section F, SF 330 (See <https://www.alcosan.org/work-with-us/standard-forms>), to highlight, as best representing the Team's project experience. Using the SF 330 format, the Proposer shall prepare a brief, two-page, summary of the project including the following information:

- Project Name and Location
- Date(s) of Project
- Project Owner
- Contact Name/Address/Telephone Number/Email Address
- Description of the Project, identifying and highlighting the Proposer's involvement.
- Firm Name and Role
- Key Personnel involved in the Project, including Subconsultants
- Year Completed
- Total Fees

E. Team's Experience (Tabbed Section 2): The Proposer will submit a completed Form SF 330 (Parts I and II).

The Proposer shall attach an 11x17 Organizational Chart (Part I, Section D) of the proposed Team, not to exceed one (1) page.

The Proposer may provide no more than ten (10) resumes of key personnel for Part I, Section E, with each resume not exceeding two (2) pages. The resumes should be project based and not a chronological listing of employment. The resumes must be in the SF 330 format. Proposers are encouraged to submit resumes of staff providing actual technical work.

The Proposer shall provide a matrix of the Projects identified in Section 1 and the team members, including subconsultants, participation on each project.

F. Commitment to MBE/WBE/SDV Participation Goals (Tabbed Section 3): ALCOSAN encourages businesses owned and operated by minorities, disadvantaged, women, and service-disabled veteran business enterprises to submit Submittals or to participate as subconsultants or suppliers. The Proposer shall be required to utilize minority, disadvantaged, women (MBE) and service-disabled veteran (SDV) business enterprises to the fullest extent possible. The

MBE/WBE participation goals are 10-25% of the total value of the Consultant's proposed services. The SDV participation goals are 3% of this same total value. A copy of ALCOSAN's Supplier Diversity Business Policy Statement is available on the ALCOSAN website. At this stage of submitting qualifications, ALCOSAN is looking for more than a general commitment to the goals of the policy. The companies must have a certification from a third party. The Service-Disabled Veteran Business must be certified by the Veteran's Administration.

ALCOSAN understands that the ability to use subconsultants will vary and depend greatly on the size and type of project. The Proposer shall describe its commitment to the policy, highlighting MBE/WBE/SDV participation rates on the Proposer's past projects. The Proposer should identify potential team members, if any, proposed under this project and integrate the firms into the project.

Failure to provide a clear MBE/WBE/SDV team structure where the team members are integrated into the program will impact a submittal's evaluation.

- G. Potential Conflict of Interest (Tabbed Section 4):** There are several Consultants who may be precluded, based upon their role in either the Preliminary Planning and/or the Tunnel Program Management Consultant. Each team member shall submit a Certificate of Conflict of Interest (See <https://www.alcosan.org/work-with-us/standard-forms>). Should a firm be unsure if the scope of work performed could be a potential conflict of interest, said firm shall notify the ALCOSAN Procurement Officer for a decision on the potential conflict. The Proposer should pay particular attention to affiliate activities.
- H. Right to Know (Tabbed Section 5):** ALCOSAN is a municipal authority and is therefore subject to requests through the Pennsylvania Right-To-Know Law (RTKL). Submittals may become part of a RTKL request during and after the subsequent contract. **All Proposers shall clearly identify only that portion of the proposal, which is considered company proprietary information and, therefore, exempt under the RTKL.** A legend at the beginning of the proposal and/or on every page will not be considered sufficient. If there is no information contained in the submittal that may be exempt from the RTKL, Proposers shall make a statement to that fact in the Submittal.

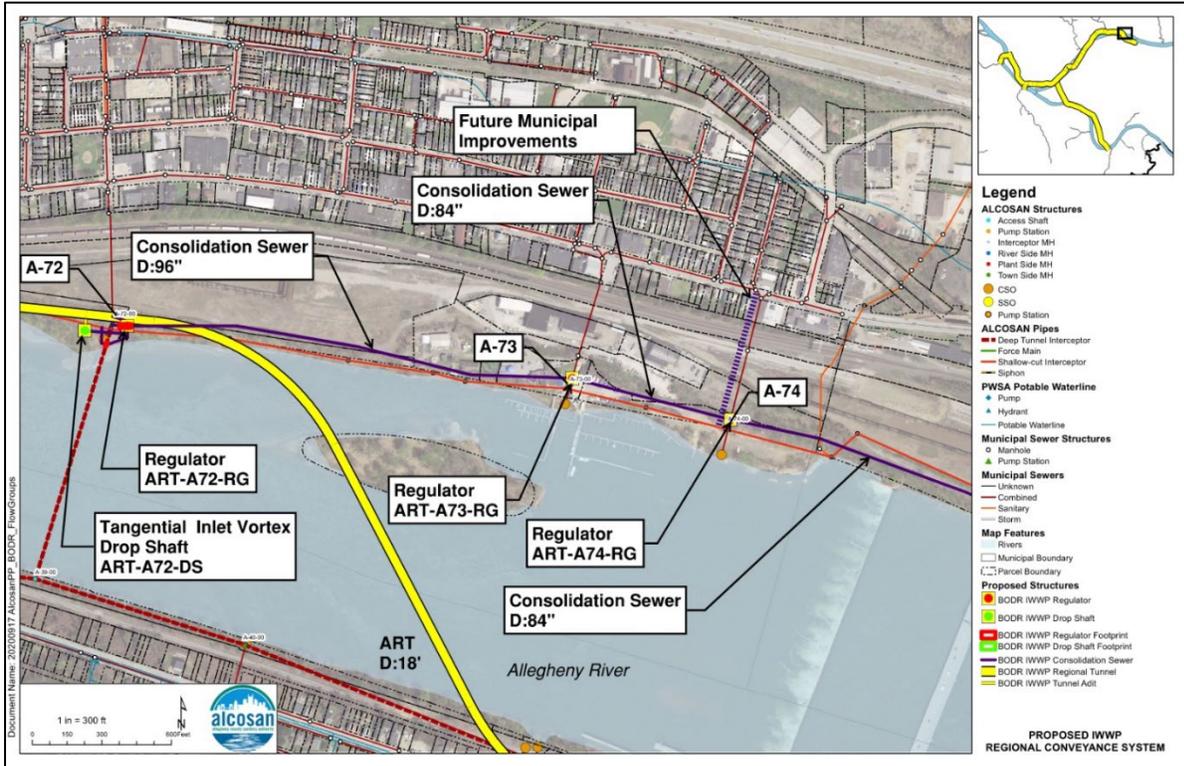


Figure 1

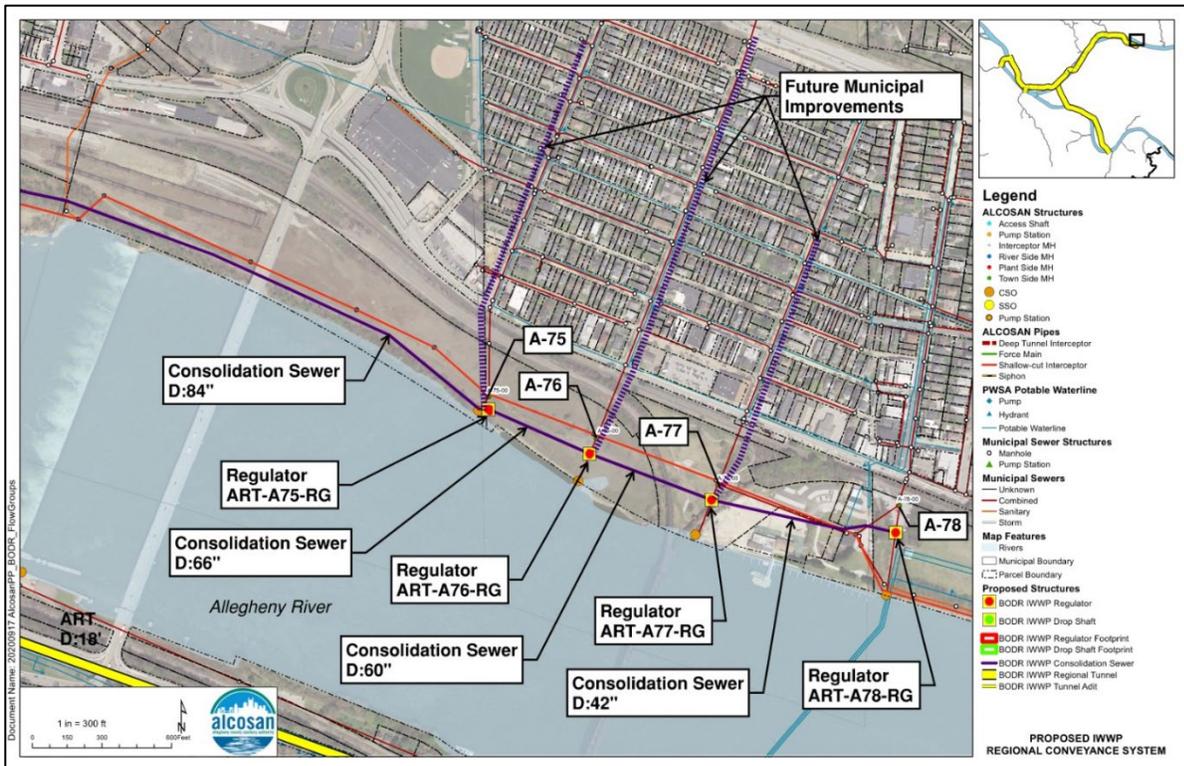


Figure 2

ATTACHMENTS

BODR*

Survey monument TM*

Geotechnical Field Manual*

* The Attachments are provided separately as electronic files.