

Allegheny County Sanitary Authority (ALCOSAN)

REQUEST FOR QUALIFICATIONS for PROFESSIONAL SERVICES

ALLEGHENY RIVER TUNNEL CONSTRUCTION MANAGEMENT Capital Project No. S-490

February 18, 2026

1.0 INTRODUCTION

The Allegheny County Sanitary Authority (“ALCOSAN”) is soliciting Letters of Interest and Statements of Qualifications (collectively, “Submittals”) from Construction Management or Engineering firms interested in providing Professional Services for Construction Management (CM) for the Allegheny River Tunnel (ART) project. The selected firm will provide services as outlined in this Request for Qualifications.

This document is intended to assist firms in preparing their Submittals for this project. All Submittals that fail to conform to requirements set forth herein will not be considered by ALCOSAN.

The ART project currently includes the following construction contract packages:

- ART Contract, which includes:
 - ART tunnel
 - A-22 drop shaft, adit and near surface facilities and A-23 near surface facilities – including an active control gate building
 - A-29 and A-29Z drop shaft, adit connection and near surface facilities
 - A-41 drop shaft, adit connection and near surface facilities including an off-site grit facility – including an active control gate building
 - A-42 drop shaft and near surface facilities – including an active control gate building
 - A-60 drop shaft, adit connection and near surface facilities – including an active control gate building
 - A-62 drop shaft, adit connection and near surface facilities
 - A-64 drop shaft, adit connection and near surface facilities and A65 near surface facilities
 - A-67 drop shaft, adit connection and near surface facilities
 - A-68 drop shaft, adit connection and near surface facilities
 - A-69 drop shaft, and near surface facilities
 - A-70 drop shaft, and near surface facilities
 - A-71 drop shaft, and near surface facilities
 - A-72 drop shaft, tunnel relief outfall and near surface facilities

More specifically, the physical scope will include, but not be limited to the following: approximately 6.2 miles of 18-foot finished diameter tunnel at depth ranging from 100 to 350 feet; connecting to the Ohio River Tunnel at the AS1 site near the Veterans’ Bridge –

to be constructed using tunnel boring machine technique; drop shafts ranging from 20 to 40 feet in diameter and from 100 and 180 feet in depth; over 5,000 linear feet (LF) of adits ranging from seven to 14 feet in diameter; new regulators; over 5,000 LF of sewer ranging from 12 to 84 inches in diameter; one relocated outfall at A-72 and two modified outfalls at A-22/A-23; and four active control gate buildings.

- Upper Allegheny Consolidation Sewer (UACS) Contract, which includes a consolidation sewer between A-72 and A-78, and near surface facilities at A-73, A-74, A-75, A-76, A-77, and A-78. The consolidation sewer will connect to the ART at A-72.

More specifically, the physical scope will include, but not be limited to the following: approximately 1.3 miles of new consolidation sewer ranging from 60 to 72 inches to be installed using microtunneling at depth ranging from 20 to 55 feet; eight construction shafts with seven finished manholes; five new regulators; over 900 LF of 18- to 42-inch sewer and associated manholes; two outfall modifications and one elimination.

Additional early works construction contract packages (pre-tunnel construction) may be added to the project scope and the scope of Construction Management as determined necessary by ALCOSAN. These projects may include above and below ground structure demolition, utility relocation, and other sitework in preparation for tunnel construction.

Facilities associated with the ART Contract and UACS Contract are currently at 30% design and 70% design milestones, respectively. The starting point of the designs was the ART Preliminary Basis of Design Report (PBODR). A map of the ART project illustrating major changes to the PBODR as of January 2024 is included in **Appendix A**. Additional changes are being made as part of the ART 30% design and UACS 70% design that are not reflected on the map. **Appendix B** includes a more detailed UACS map based on the 70% design. The map does reflect the additional changes associated with UACS as of January 2026. Changes to the ART made as part of the ART 30% design and additional technical information about both Contracts will be made available to shortlisted firms as part of the Request for Proposals phase.

The selected firm will provide CM services for the entire ART project, i.e., for all Contract packages mentioned above. The ART Construction Manager (CM) will provide traditional CM type services including, but not limited to, constructability and biddability reviews, and resident inspection and construction administration for these contract packages.

The ART CM will be a part of a team of consulting firms to implement the ART project. ALCOSAN has hired CDM Smith as the Clean Water Program Director, Jacobs as the Tunnel Program Manager Consultant (TPMC), WSP as the ART Final Design Consultant (FDC) and DLZ as the UACS FDC. These consultants are working together with ALCOSAN to successfully deliver the ART project and overall regional tunnel system.

In addition, to maintain objective third-party views, the ART CM Prime Consultant will be precluded from bidding either as a Prime or a Subconsultant on any of the ART or UACS construction packages. Subconsultants may bid on certain procurements, dependent upon the scope of work.

2.0 COMMUNICATIONS REGARDING THE REQUEST FOR QUALIFICATIONS

Questions and requests for clarification regarding this Request for Qualifications (“RFQ”) must be directed, in writing, to:

Tawanda Stamps
Director of Procurement
Allegheny County Sanitary Authority
3300 Preble Avenue
Pittsburgh, PA 15233-1092
Email: procurement@alcosan.org

Please do not contact other ALCOSAN employees regarding this procurement; this may result in your submittal being rejected. Responses to all general 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 after 2:00 p.m. March 31, 2026.

An informational meeting will be held via Microsoft Teams on March 2, 2026, at 9:00 a.m. (EST). All parties interested in attending the informational meeting shall notify the Procurement Department (procurement@alcosan.org). Once notifications are compiled, ALCOSAN will email a Microsoft Teams meeting invite to participants. This meeting is not mandatory, but all interested parties are strongly encouraged to attend.

Responses to all general 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 Request for Qualification (RFQ). ALCOSAN will not provide responses to any questions received after seven (7) days prior to the submittal date.

3.0 OBJECTIVE

ALCOSAN proposes to retain a highly qualified Construction Management or Engineering firms to provide the services described herein. Firms and team members with significant experience delivering 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 firm shall be referred to as the “Allegheny River Tunnel Construction Manager”.

The specific objectives of this project are as follows:

- Review and comment on ART and UACS FDCs’ design products with focus on constructability, construction schedule, construction cost, and biddability.
- Provide bidding assistance
- Provide construction contract administrative support
- Provide resident inspection

- Review the ART and UACS Critical Path Method Project Schedules. Coordinate review of Contractor's schedule submissions and integration into the overall Tunnel Program schedule by the TPMC and update Critical Path Method Project Schedules.
- Coordinate and document start-up and commissioning activities.

The Firms and proposed personnel must, as a team, be able to demonstrate construction management / resident engineering experience on projects with the following key technical elements:

- Early Works projects, including above and below ground structure demolition, utility relocation, and electrical site work
- Tunnels constructed in varying rock conditions below ground water
- Conventional tunnel excavation (drill and blast)
- Working in gassy subterranean environments
- Tunnel excavation by pressurized face tunnelling methods
- One-pass precast bolted gasketed segmental concrete lining systems
- Mined adit connections
- Large diameter deep shaft construction in soils and rock.
- Microtunneling and pipe jacking
- Tunnel and near surface facility excavation dewatering methods
- Complex geometry of hydraulic diversion structure construction
- Live sewer flow diversion work
- Mechanical, electrical and control systems installation and testing
- Odor control facility construction
- Environmental/permit compliance (including but not limited to noise, dust, particulates, traffic, muck handling and disposal, contaminated materials handling and disposal, construction along rivers, erosion, and sedimentation controls)
- Tunnel safety management
- Heavy construction health, safety, environment, and welfare (HSEW)
- Underground risk management, including administration of Geotechnical Baseline Report and Differing Site Conditions
- Information and collaborating with a Dispute Resolution Board (DRB)

4.0 SCOPE OF SERVICES

Project Name:	ART Construction Management
No:	Capital Project No. S-490
Location (subject to change):	Various locations (see maps included at the end of the RFQ)
Schedule (subject to change):	ART Design 2025-2028 ART Bidding Q4 2028-Q1 2029 ART Construction/Place into Operation 2029-2035 UACS Design 2023-2027 UACS Bidding Q1 2027-Q2 2027 UACS Construction/Place into Operation 2027-2030

A. Preconstruction Phase

Preparation of a Project specific CM Implementation Plan to identify how the selected firm will organize its staff and establish procedures to monitor and manage the work in meeting the cost, schedule, safety, and quality objectives for the project.

The CM will review design work products, released by the ART and UACS FDCs, for constructability including the 60%, 90% design packages and review the 100% documents for biddability. Each of the submittals will include a cost estimate. The CM will be required to review the estimates in coordination with the TPMC.

The CM will perform a biddability review to ensure that the Contract Documents are ready for bid and construction purposes. The documents will be reviewed to identify problem areas, means of expediting the construction and administration of the project, and to avoid potential claims and delays. Special attention must be given to the different prime contracts. CM shall verify that all responsibility for work is clearly defined. It must also verify that work responsibility is not duplicated. CM shall survey the existing labor and contractor markets to assess availability for ALCOSAN projects. CM will provide input into how the sequencing and scheduling of projects may need to be adjusted to maximize participation by potential construction bidders.

B. Bidding Assistance

The CM will provide services during the bidding periods. For each project, all requests for clarifications or substitutions will be initially directed to the CM who will then obtain input from ALCOSAN and the ART and UACS FDCs and/or the TPMC, as necessary. The need for addenda will be determined by the ART and UACS FDCs with input from ALCOSAN and the TPMC. The CM will attend all pre-bid meetings along with ALCOSAN. The meetings will be arranged and conducted by ALCOSAN. The CM will also prepare minutes of the meetings and distribute them to all attendees.

The CM will assist ALCOSAN in reviewing the qualifications of the apparent responsive low bidders. The CM will verify that all provisions of the contract have been executed by the Contractor prior to award.

C. Contract Administration Support

The CM will provide contract administrative support during construction. All communication between the Prime contractor(s), ALCOSAN, TPMC, and the FDCs shall flow through the CM. Trimble Unity Construct (formerly e-Builder) will be used for all projects. Contract administrative support includes documenting and tracking job progress, compiling and tracking health, safety and environmental (HSE) metrics, tracking project submittals, tracking requests for information (RFIs), tracking change orders and other job-related correspondence. Contract administrative support also includes review of certified payroll and diversity objectives. CM will work with the Trimble software to generate reports to facilitate the above-mentioned tracking.

CM will conduct construction-related meetings. Typical meetings include pre-construction, pre-installation, regular progress meetings, quarterly Dispute Review Board (DRB) meetings, cost control, O&M coordination, witness testing, pre-start-up, and close-out.

CM will review and approve Contractor's application for payments for accuracy and completeness. CM shall verify all closeout documents and requirements have been satisfactorily completed for final pay applications.

CM will prepare pending change order requests. CM will review change order requests and negotiate as appropriate. CM shall prepare change orders for ALCOSAN review and approval and presentation to the ALCOSAN Board of Directors.

CM will evaluate all disputes and claims and work with ALCOSAN, the FDCs and TPMC to provide recommendations for resolution.

CM shall review contractor-prepared marked-up as-built drawings. Verify drawings reflect field instructions and change orders.

CM will verify subcontractors that perform work on the site have signed Project Labor Agreement (PLA) letters of Assent.

CM shall prepare monthly reports to ALCOSAN and TPMC for inclusion in monthly reports and updates to the ALCOSAN Board of Directors.

CM shall provide input to Risk Management process led by TPMC. CM shall maintain the Project specific risk register during construction in coordination with TPMC/FDC and shall provide, at a minimum, an update prior to construction, at mid-point and end of construction.

D. Resident Inspection

The CM will provide resident inspectors. Inspectors shall monitor progress and quality of work and determine if work is being performed in accordance with contract documents and

approved shop drawings. Inspectors shall complete daily logs of construction activities. Inspectors shall use photos and/or videos to document work as necessary. Inspectors shall issue notices of non-conformance as necessary, and compile and verify completion of punch lists. Inspectors shall verify completeness and accuracy of as-built drawings. Inspectors shall also monitor compliance with approved safety plan and regulations.

CM shall perform QA/QC of materials including backfill gradations and compaction, concrete placement plant and field testing, welding inspection, and paint application testing.

CM will perform QA in the Precast Segmental Tunnel Lining fabrication facility.

CM will inspect the work at substantial and final completion with ALCOSAN and develop construction punch lists. Prepare a written recommendation for issuing Certificates of Substantial completion.

E. Safety Surveillance Support

Provide a tunnel safety specialist to assist the ALCOSAN Safety Manager to develop, implement, maintain, and monitor a project safety monitoring program without assuming liability of or for the Contractor's Safety performance.

F. Scheduling

Review the ART and UACS Critical Path Method Schedules. Coordinate review of contractor's schedule submissions and integration into the Tunnel Program schedule by the TPMC and update Critical Path Method Project Schedules in Primavera P6.

The CM will also review schedule revisions from the Prime Contractors as necessary. In the event delay claims evolve, CM shall make recommendations to ALCOSAN concerning assigning liability.

G. Start-up and Commissioning

The CM shall review the contractor's commissioning plan(s). The CM shall witness and verify acceptance and performance testing. This will include conducting and documenting planning meetings with Contractor, Engineer and ALCOSAN staff. The CM will develop appropriate performance checklists for each project, system, and equipment. The CM shall monitor the installation and testing of equipment and systems throughout commissioning including any factory acceptance tests and the start-up period. The CM will coordinate and monitor all contractor provided training to ALCOSAN O&M staff.

CM shall develop new equipment nameplate data and preventive maintenance and warranty information for input into the ALCOSAN Preventive Maintenance Program. CM shall complete ALCOSAN item master information sheet for transfer of spare parts to ALCOSAN. CM shall assume that it will be commissioning project specific equipment (gates, flow meters, ventilation, level sensors) – i.e., dry commissioning, not the overall

system operation (including SCADA) – i.e., wet commissioning.

5.0 PROJECT SCHEDULE

The following is an outline of the anticipated project schedule based on the information available at this time. The project schedule is subject to change. The official schedule will be included in the contract. The tentative schedule for the ART CM is presented as follows:

<u>DATE</u>	<u>MILESTONE</u>
April 10, 2026	RFQ Submittal Deadline
Week of May 4, 2026	Shortlist Firms for RFP
Week of May 11, 2026	Distribute RFP
Week of May 18, 2026	Notify Unsuccessful Firms
Week of July 13, 2026	Deadline to Submit Proposal to ALCOSAN
August 2026	Interviews with ALCOSAN staff
September 2026	Consultant Selection by Authority Board
October/November 2026	Award Service Authorization and Notice to Proceed

6.0 EVALUATION OF QUALIFICATIONS SUBMITTALS/SELECTION PROCESS

The Construction Manager will be selected based on the following process:

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

- Team’s history and resource capability to perform required services
- Evaluation of assigned personnel
- Related experience
- Familiarity with local area geography and facilities
- Local office. Local is defined as having an office within the 10-county Pittsburgh Region (Allegheny, Armstrong, Beaver, Butler, Fayette, Greene, Indiana, Lawrence, Washington and Westmoreland)
- Related previous team relationships
- Evaluation of Subconsultants
- References
- MBE/WBE/SDVOSB Participation

Based upon the evaluation of the Submittals, the Procurement Committee will develop a shortlist of three (3) to five (5) 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 Proposer’s score.

Request for Proposals: Shortlisted firms will be provided a Request for Proposals (“RFP”), by email. Following proposal submission, Teams will be interviewed by ALCOSAN’s Project Procurement Team. Proposers are encouraged to bring Key Project Staff to the interviews. The Project Procurement Team members will consider each Team’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

Ten (10) hard copies of sealed Submittals and one electronic copy (on a USB) are required. **Submittals must be received no later than 2:00 PM on April 10, 2026**, at the ALCOSAN Procurement Department office. If you hand deliver the submittal, please allow time to be processed by security. If the documents are sent via courier, it is Proposer’s responsibility to ensure the documents have been received. Late submittals will not be considered and will be returned unopened.

Submittals should be addressed as follows

Statement of Qualifications for
Allegheny River Tunnel Construction Management
Capital Project No. S-490
Allegheny County Sanitary Authority
Office of Procurement
3300 Preble Avenue
Admin Annex, Room 105
Pittsburgh, PA 15233
Attention: Tawanda Stamps
Director of Procurement

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 hard copy of the Submittals shall be bound using GBC or other semi-permanent binding to ensure that pages are not lost. Pages shall be no larger than standard letter size 8 ½” x 11” or folded to that dimension. Each section (as set forth below) shall be separated by a tabbed divider. Elaborate covers, binding, dividers, and the like are not required. Proposers are encouraged to submit on double-sided paper. Electronic copies shall be submitted as a PDF document or other appropriate electronic document format on a Flash Drive. E-mails will not be accepted.

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, address, a point-of-contact with contact information, including telephone number and email address, and the submittal date.
- C. **Table of Contents**
- D. **Team's Experience/References (Tabbed Section 1):** The Proposer shall provide no more than five (5) similar projects using Part I, Section F, SF330 to highlight, as best representing the Team's construction management project experience. For each project, 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/Telephone Number/Email Address
 - Description of the Project, identifying and highlighting the Proposer's involvement
 - Company Name and Role
 - Key Personnel involved in the Project, including Subconsultants
 - Year Completed
 - Total Fees

ALCOSAN may use these projects as references for the Firm as part of the past performance review so Proposers should notify the client(s) to let them know they will be contacted.

- E. **Team's Experience (Tabbed Section 2):** The Proposer will submit a completed Form SF 330 (Parts I). Part II is not required.

The Proposer shall attach an 11x17 Organizational Chart (Part I, Section D) of the proposed Team, not to exceed one (1) page, folded to accommodate an 8 ½ x 11 formatted booklet.

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

- F. **Commitment to MBE/WBE/SDV Participation Goals (Tabbed Section 3):**

ALCOSAN requires all awarded Consultants to commit to utilizing 10-25% of the contract budget for businesses owned and operated by minorities (MBE) and women (WBE), and 3% service-disabled veteran (SDVOSB) small business

enterprises, either as subconsultants or suppliers if not as prime. The Proposer shall be required to utilize MBE/WBE/SDVOSB enterprises to the fullest extent possible. The Proposer shall identify potential team members, if any, and integrate the firms into the project in a meaningful capacity. At this stage of submitting qualifications, ALCOSAN is looking for more than a general commitment to the goals of the policy. 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/SDVOSB participation rates on the Proposer's past projects. The Proposer shall also include Letters of Commitment from each diversity subconsultant/supplier. For more information, refer to ALCOSAN's Supplier Diversity Business Policy Statement available on the ALCOSAN website.

ALCOSAN does not accept self-certification, nor certifications from other agencies who accept self-certification. SDVOSB must be certified by the Small Business Administration.

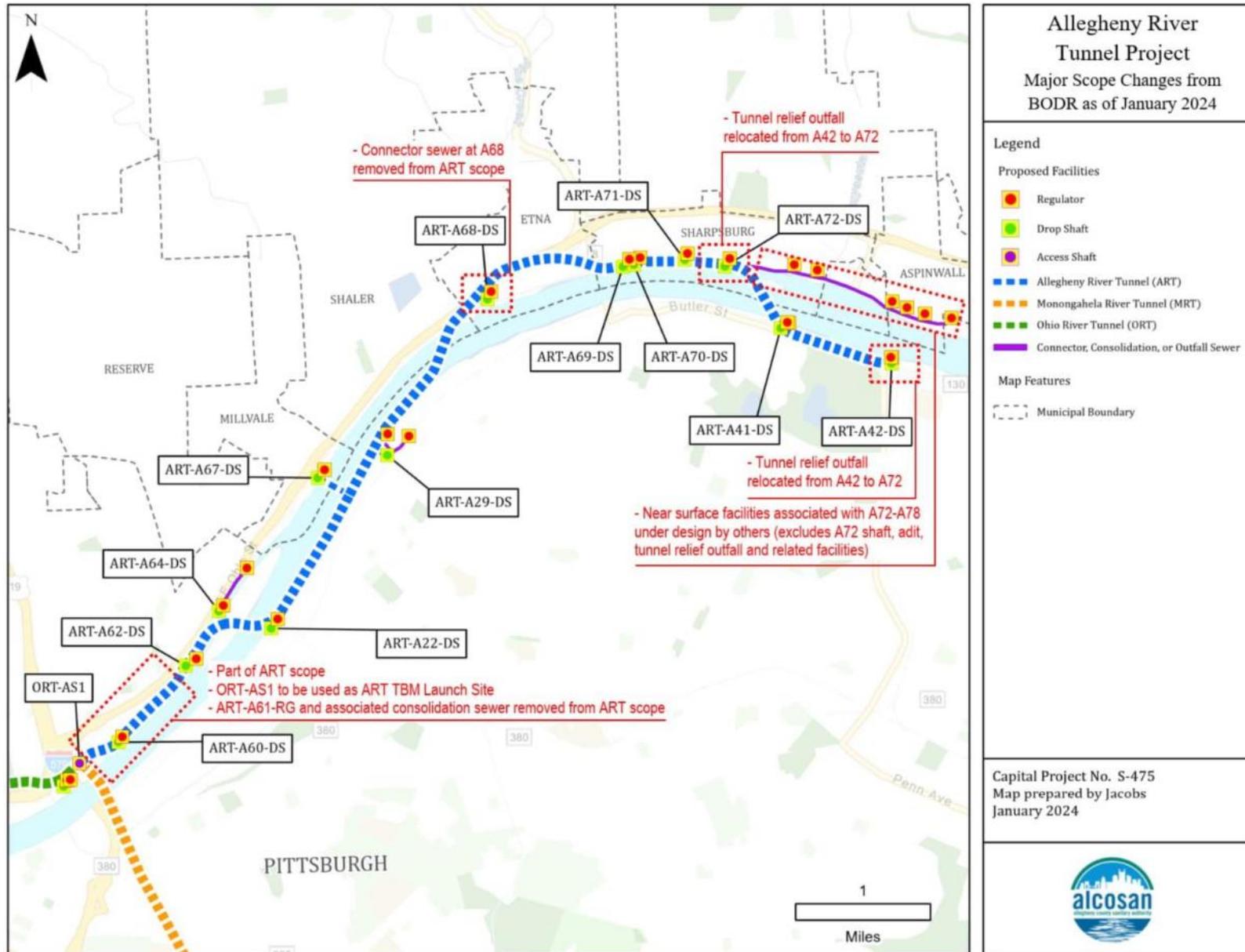
Failure to provide a clear MBE/WBE/SDVOSB team structure where the team members are integrated into the program will impact a submittal's evaluation.

G. Right to Know (Tabbed Section 4): 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 the portion(s) of their Submittal considered company proprietary information and, therefore, exempt under the RTKL.** Any pages marked exempt will not be released should ALCOSAN receive a RTKL request. A legend at the beginning of the proposal and/or on every page will not be considered sufficient. If the Submittal contains no information that may be exempt from the RTKL, Proposers shall make a statement to that fact in the Submittal. Please note, unless the page is specifically identified, all parts of the Submittal will be subject to a right-to-know request.

H. Potential Conflict of Interest (Tabbed Section 5): Prior to submitting, Proposers and their team members should review current and past projects which may pose a potential or real conflict of interest. If there is a potential and the Proposer would still like to submit, the Proposer shall identify the issue and mitigation efforts. Having different employees from the same company work on conflicting projects is not considered an appropriate mitigation factor as the conflict is with the company and not the individuals.

***** End of RFQ *****

Appendix A – ART Project Map*



*As of January 2024; additional changes are being considered as part of the ART 30% design and UACS 70% design that are not shown on the map.

Appendix B – UACS Project Map*



*As of January 2026; based on UACS 70% design.