

PART A - INTRODUCTORY LETTER

February 29, 2024

Submitted via email ECSSOQ@azdot.gov
Arizona Department of Transportation

RE: Statement of Qualifications for Contract No. 2024-017
Statewide On-Call Services for Pavement Coring Investigations and
Limited Geotechnical Investigations



Dear Members of the Selection Committee:

As the agency that constructs, maintains, and manages Arizona's complex multimodal transportation system, the role of the Arizona Department of Transportation (ADOT) is crucial to the State's economy and significantly influences the mobility and productivity of our many residents and visitors. To facilitate transportation projects that are free of delays and safe for the traveling public and those constructing the work, the collective team that includes ADOT, other local agencies, consultants, and contractors must work together like a well-oiled machine.

An Arizona owned and operated construction materials testing, geotechnical services and inspection firm, Quality Testing, LLC (QT), has been helping owner agencies, construction and contract managers, engineering consultants, commercial material suppliers, private developers, and general contractors achieve and document the quality of their construction activities and processes since 2000. We have served on thousands of heavy civil construction projects, always guided by our uncompromising conviction that quality construction supported by comprehensive, intelligent, and accurate documentation is achievable and should be expected. ***As indicated by our repeat business volume, we have been successful in consistently meeting our clients' high expectations.***

We are pleased to present our Statement of Qualifications (SOQ) for Contract 2024-017, Statewide On-Call Services for Pavement Coring Investigations and Limited Geotechnical Investigations. All the key personnel identified in our submittal are committed to the extent necessary for meeting ADOT's quality and schedule expectations.

Since 2001, QT has held numerous ADOT prime On-Call contracts, including three Material Acceptance Testing On-Call contracts (ADOT ECS 2001-080, 2005-032.2 and 2009-036.02), five consecutive Asphalt Concrete Referee Testing contracts (ADOT ECS 2002-053, 2005-066, 2009-008.03, 2013- 020.04, and 2021-002.01), the latest Binder Testing On-Call (2021-003.01) and three Temporary Technician contracts (ADOT ECS 2003-054, 2017-007.14, and 2022-014.12). After 20 years of ADOT consultant contract participation, QT's committed key management has developed a genuine appreciation for ADOT's manpower and resource challenges. ***We have a comprehensive understanding of the expectations ADOT managers have of consultants working on their projects.***

Though quantified and further explained throughout our submittal, QT's qualifications for this contract are summarized by the following key points:

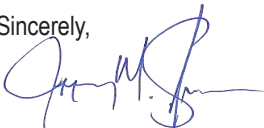
- Robust, ADOT knowledgeable, and fully committed Contract Management Team.
- An established long and positive performance record with ADOT.
- AASHTO Accredited to provide a broad spectrum of soils and aggregate tests.
- QT is an ADOT certified SBC.

Concerning the sample assignment process as defined beginning on Page 17 of the RFQ, although we will accept all assigned tasks regardless of its geographic location, the QT ranking order is Region 2, Region 1, and Region 3.

As President of QT, I, Jeff Schaper, PE, am responsible for managing QT's On-Call Pavement Coring and Limited Geotechnical Investigation contract. I am a licensed Arizona Professional Engineer (#49950), and our firm is registered with the Arizona Board of Technical Registration (#10950). QT is registered with UTRACS (10910). We are an Arizona Small Business Concern (SBC) entity.

We appreciate the opportunity to provide this SOQ and look forward to being selected and continuing our long and positive relationship with ADOT, including the Engineering Consultants Section, the Engineering and Maintenance Districts, and the Construction and Materials Group. For any communication related to this contract, please contact me on my cell phone at (602) 882-2858 or by email at jschaper@qt-az.com.

Sincerely,



Jeffery M. Schaper, PE
President
Quality Testing, LLC

PART B - SOQ PROPOSAL CERTIFICATIONS FORM

Engineering Consultants Section SOQ Proposal Certifications Form

Contract #: 2024-017

Consultant Name: Quality Testing, LLC

Please read the fifteen (15) statements below. The statements are to ensure Consultants are aware and in agreement with Federal, State and ECS guidelines related to the award of this contract. Consultants shall submit the specific Certification form attached to each RFQ advertised, as revisions to the form may occur from time to time. **Failure to sign and submit the certification form specified in the RFQ with the SOQ proposal will result in the SOQ proposal being rejected.**

Submission of the SOQ by the Consultant certifies that to the best of its knowledge:

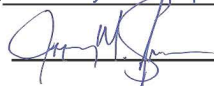
1.	The Consultant and its subconsultants have not engaged in collusion with respect to the contract under consideration.
2.	The Consultant, its principals and subconsultants have not been suspended or debarred from doing business with any government entity.
3.	The Consultant shall have the proper Arizona license(s) and registration(s) for services to be performed under this contract. Furthermore, the Consultant shall ensure that all subconsultants have the proper Arizona license(s) and registration(s) for services to be performed under this contract.
4.	The Consultant's signature on any SOQ proposal, negotiation document or contract constitutes that a responsible officer of the Consultant has read and understands its contents and is empowered any duly authorized on behalf of the Consultant to do so.
5.	The Consultant's Project Team members are employed by the Consultant on the date of submittal.
6.	All information and statements written in the proposal are true and accurate and that ADOT reserves the right to investigate, as deemed appropriate, to verify information contained in proposals.
7.	Key members of the Project Team, including subconsultants, are currently licensed to provide the required services as requested in the RFQ package.
8.	All members of the Project Team who are former ADOT employees did not have or provide information that gives the Consultant a competitive advantage; and either (1) concluded their employment with ADOT at least 12 months before the date of the SOQ or (2) have not made any material decisions about this project while employed by ADOT.
9.	Work, equating at least 51% of the contract value, shall be completed by the Consultant unless otherwise specified in the SOQ or contract.
10.	No Federally appropriated funds have been paid or shall be paid, by or on behalf of the Consultant for the purpose of lobbying.
11.	The Consultant understands that it is required to have a compliant accounting system, in accordance with Generally Accepted Accounting Principles (GAAP), Federal Acquisition Regulation (FAR) of Title 48, Code of Federal Regulations (CFR)-Part 31, applicable Cost Accounting Standards (CAS), and ADOT Advance Agreement Guideline.
12.	If project is funded with Federal Aid funds, the Consultant affirmatively ensures that in any subcontract entered into pursuant to this advertisement, Disadvantaged Business Enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award, in accordance with Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations.
13.	The Consultant shall utilize all Project Team members, subconsultants and DBE firms, if applicable, submitted in the SOQ, and shall not add other Project Team members or subconsultants, unless the Consultant has received prior written approval from ADOT.
14.	The Consultant shall either meet its DBE goal commitment and any other DBE commitments or make Good Faith Efforts to meet the DBE goal commitments as stated in its SOQ proposal or Cost Proposal and shall report on a timely basis its DBE utilization as detailed in the contract.
15.	If selected, the Consultant is committed to satisfactorily carry out the Consultant's commitments as detailed in the contract and its SOQ proposal.

I hereby certify that I have read and agree to adhere to the fifteen (15) statements above and/or that the statements are true to the best of my knowledge as a condition of award of this contract.

Print Name: Jeffery M. Schaper

Title: President

Signature:



Date: February 28, 2024

Revised 2/11/2022

PART B - PARTICIPATION IN BOYCOTT OF ISRAEL FORM

**ARIZONA DEPARTMENT OF TRANSPORTATION
ENGINEERING CONSULTANTS SECTION
PARTICIPATION IN BOYCOTT OF ISRAEL - CONSULTANT CERTIFICATION FORM
ADOT ECS Contract No.: 2024-017**

This Certification is required in response to legislation enacted to prohibit the State from contracting with companies currently engaged in a boycott of Israel. To ensure compliance with A.R.S. §35-393, this form must be completed and returned with any response to a solicitation (SOQ), Contract Cost Proposals, and Contract Time Extensions. The Consultant understands that this response will become public record and may be subject to public inspection.

Please note that if any of the following apply to this Solicitation, Contract, or Contractor, then the Offeror shall select the "Exempt Solicitation, Contract, or Contractor" option below:

- The Solicitation or Contract has an estimated value of less than \$100,000;
- Contractor is a sole proprietorship;
- Contractor has fewer than ten (10) employees; OR
- Contractor is a non-profit organization.

Pursuant to A.R.S. §35-393.01, public entities are prohibited from entering into contracts "unless the contract includes a written certification that the company is not currently engaged in, and agrees for the duration of the contract to not engage in, a boycott of goods or services from Israel."

Under A.R.S. §35-393:

1. "Boycott" means engaging in a refusal to deal, terminating business activities or performing other actions that are intended to limit commercial relations with entities doing business in Israel or in territories controlled by Israel, if those actions are taken either:
 - (a) Based in part on the fact that the entity does business in Israel or in territories controlled by Israel.
 - (b) In a manner that discriminates on the basis of nationality, national origin or religion and that is not based on a valid business reason.
2. "Company" means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, limited liability company or other entity or business association, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate, that engages in for-profit activity and that has ten or more full-time employees.
- ...
5. "Public entity" means this State, a political subdivision of this State or an agency, board, commission or department of this State or a political subdivision of this State.

The certification below does not include boycotts prohibited by 50 United States Code Section 4842 or a regulation issued pursuant to that section. See A.R.S. §35-393.03.

In compliance with A.R.S. §§35-393 et seq., all offerors must select one of the following:

- ☒ The Company submitting this Offer **does not** participate in, and agrees not to participate in during the term of the contract, a boycott of Israel in accordance with A.R.S. §§35-393 et seq. I understand that my entire response will become public record in accordance with A.A.C. R2-7-C317.
- ☐ The Company submitting this Offer **does** participate in a boycott of Israel as described in A.R.S. §§35-393 et seq.
- ☐ **Exempt Solicitation, Contract, or Contractor.**
Indicate which of the following statements applies to this Contract:
- ☐ Solicitation or Contract has an estimated value of less than \$100,000;
 - ☐ Contractor is a sole proprietorship;
 - ☐ Contractor has fewer than ten (10) employees; and/or
 - ☐ Contractor is a non-profit organization.

Quality Testing, LLC Company Name 175 S. Hamilton Pl, Bldg 6, Ste 114 Address Gilbert, AZ 85233 City State Zip	 Signature of Person Authorized to Sign Jeffrey M. Schaper Printed Name President Title February 28, 2024 Date
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Participation in Boycott of Israel – Consultant Certification
Form Revised - 4/28/2020

PART B - FORCED LABOR OF ETHNIC UYGHURS BAN FORM



FORCED LABOR OF ETHNIC UYGHURS BAN Certification Form

Forced Labor of Ethnic Uyghurs Ban

Please note that if any of the following apply to the Consultant, then the Offeror shall select the "Exempt Consultant" option below:

- Consultant is a sole proprietorship;
- Consultant has fewer than ten (10) employees; OR
- Consultant is a non-profit organization.

Pursuant to A.R.S. § 35-394, the State of Arizona prohibits a public entity from entering into or renewing a contract with a company unless the contract includes written certification that the company does not use the forced labor, or any goods or services produced by the forced labor, or use any consultants, subconsultants, or suppliers that use the forced labor or any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China.

Under A.R.S. §35-394:

- "Company" means an organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, limited liability company or other entity or business association, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate, that engages in for-profit activity and that has ten or more full-time employees.
 - Based in part on the fact that the entity does business in Israel or in territories controlled by Israel.
 - In a manner that discriminates on the basis of nationality, national origin or religion and that is not based on a valid business reason.
- "Public entity" means this State, a political subdivision of this State or an agency, board, commission or department of this State or a political subdivision of this State.

In compliance with A.R.S. §§ 35-394 et seq., all offerors must select **one** of the following:

☒	The Company submitting this Offer does not use, and agrees not to use during the term of the contract, any of the following: • Forced labor of ethnic Uyghurs in the People's Republic of China; • Any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China; or • Any Consultants, Subconsultants, or suppliers that use the forced labor or any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China.
☐	The Company submitting this Offer does participate in use of Forced Uyghurs Labor as described in A.R.S. § 35-394.
☐	Exempt Consultant. Indicate which of the following statements applies to this Consultant (may be more than one): ☐ Consultant is a sole proprietorship; ☐ Consultant has fewer than ten (10) employees; and/or ☐ Consultant is a non-profit organization.

Quality Testing, LLC
 Company Name
 175 S. Hamilton Pl, Bldg 6, Suite 114
 Address
 Gilbert, AZ 85233
 City State Zip


 Signature of Person Authorized to Sign
 Jeffery M. Schaper
 Printed Name
 President
 Title

PART C - EVALUATION CRITERIA

1. Project Understanding and Approach

(a) UNDERSTANDING THE JOB

Introduction: The Arizona Department of Transportation (ADOT) manages and maintains an extensive and ever-expanding road system, with more than 75K lane miles statewide. ADOT commitments to its customers include regularly evaluating the performance of these roadways and developing optimized strategies for achieving the maximum service life of its entire inventory. The most critical, and most visible, product supplied to the public by ADOT is the highway system we all use daily, and the key to **past success has been their consistent commitment to regular pavement maintenance, knowledgeable pavement distress evaluation, and timely implementation of rehabilitation and/or reconstruction measures.** Guided by ADOT's Geotechnical Project Development Manual and the ADOT Pavement Design Manual, the process for evaluating existing pavements includes obtaining pavement cores to visually assess pavement condition and measure thickness, and obtaining subsurface soil boring samples followed by laboratory testing to determine key engineering properties. Appropriate and skilled data collection is extremely important in the process of formulating roadway maintenance strategies.

Roadway types (managed by ADOT)



- 74,863 **TOTAL (centerline) miles**
- 54,769 miles of **local roadway**
- 11,779 miles of **collector roadway**
- 6,846 miles of **other arterial roadway**
- 1,168 miles of **interstate highway**
- 273 miles of **other freeway and expressway**

In the ADOT world, pavement coring and limited geotechnical investigations (up to 5-feet beneath the pavement) for evaluation of existing pavement conditions have either been performed by ADOT's own resources or through the On-Call Geotechnical Services contract. Due to the growing demand of ADOT's highway system and limited in-house resources, the availability to perform pavement coring investigations and/or shallow geotechnical investigations of the soils beneath the pavement can be a challenge.

On-Call Pavement Coring and Limited Geotechnical Investigations Contract: To supplement ADOT's in-house geotechnical capabilities, ADOT has requested that interested geotechnical engineering firms submit a Statement of Qualifications (SOQ) demonstrating their ability to provide pavement coring and limited geotechnical investigation services to ADOT on an on-call basis. After evaluating all submitted SOQs, ADOT plans to negotiate and award a Statewide On-Call contract to the most qualified responding firms. The purpose of this pavement coring and limited geotechnical investigations on-call contract is to supplement ADOT's existing resources to provide the critical information required to evaluate the condition of existing pavements and if necessary, provide boring logs and laboratory test results of the upper 5-feet of soils beneath the pavement for subsequent use by the Department.

QT Serving ADOT: Collectively, during the past twenty-four years, **Quality Testing, LLC (QT)** has successfully performed a variety of services for ADOT, including acceptance testing, quality control testing, independent assurance testing, referee testing, binder testing and materials coordination services on several hundred ADOT projects. QT regularly performs coring on asphalt concrete pavement, and Portland Cement Concrete Pavement (PCCP), whether during construction of the pavement or as part of a larger geotechnical investigation. **Our SOQ demonstrates that QT's desire, technical expertise, ADOT knowledge, and overall ability to serve ADOT has grown. We are more qualified than ever to be selected for this Statewide Pavement Coring and Limited Geotechnical Investigations On-Call contract.**

QT has worked extremely hard to earn and maintain a strong presence within the ADOT construction world, and as evidenced by the numerous repeat selections on ADOT On-Call contracts, QT has clearly earned the confidence of the ADOT Laboratory community, the Construction Districts and the overall Materials and Construction Group.

Pavement Coring: Pavement cores serve an important role within the transportation infrastructure management program and during the roadway design process. Existing pavement coring should be conducted during the design phase of all pavement reconstruction, rehabilitation and widening projects to assess the thickness and quality of the pavement materials. Pavement cores provide engineers with key data, including:

Structural Evaluation: Cores play an important role in assessing the structural integrity of existing pavements and to determine their capacity to support traffic loads. By examining the thickness and condition of pavement layers, along with the properties of the materials, engineers can evaluate the structural adequacy of the pavement and identify any deficiencies or weaknesses that may necessitate rehabilitation or reconstruction. Evaluating long term pavement performance is not an exact science, but identifying the type and nature of existing pavement distress can provide great insight into what did and did not work, and can help guide the new design in the right direction.

Material Characterization: Pavement cores provide direct access to the various layers of pavement materials, including asphalt concrete, base courses, subbase, and subgrade. By analyzing cores, a pavement designer can characterize the properties of each layer, such as stiffness, strength, density, and composition. A visual examination can also aid in identifying distress or defects within the pavement layers. This information is helpful when selecting appropriate materials and designing pavements that can withstand anticipated traffic loads and environmental conditions.

Pavement Performance Prediction: Analysis of pavement cores provides valuable data for predicting the long-term performance of highways. Understanding the properties and behavior of pavement materials under various loading and environmental conditions is helpful in forecasting the deterioration rate, service life, and maintenance needs of pavements. This information enables proactive pavement management and optimization of maintenance strategies to maximize the lifecycle cost-effectiveness of highway infrastructure.

Innovation and Research: Pavement cores also serve as a valuable resource for research and development in highway planning. Researchers use core samples to investigate new materials, construction techniques, and design methodologies aimed at improving the performance, durability, and sustainability of pavements. By conducting laboratory tests and field evaluations on pavement cores, researchers can validate innovative approaches and technologies before their implementation in highway design and construction practices.

(b) APPROACH TO PAVEMENT CORING AND LIMITED GEOTECHNICAL INVESTIGATIONS TASKS

Typical Workflow: QT regularly performs geotechnical investigations for pavement designs, many of which include first coring the pavement. Our approach to completing investigation assignments through this contract will be similar to the following:

Task Notification

- When a pre-level scoping assessment is required, the ADOT Geotechnical Services Engineer (GSE), or their designated representative, determines if the investigation will be conducted in-house or by a consultant.
- The GSE contacts the regional on-call consultant to determine their availability to start the assessment within 10 days as well as the ability to complete the assessment within 90 days. The consultant must confirm in writing their availability for the task within 48 hours. If the regional on-call consultant is not readily available, the GSE may assign the task to the backup consultant.

Planning

- Immediately after determining that QT will be performing a task, and no more than 10 days following the verbal notification of the task, the QT Project Engineer will contact the GSE to begin coordination of the work to be performed at the job site.
- A detailed written cost proposal is prepared by the QT Project Engineer and is submitted to the GSE within 10 days of the verbal notification for the task. The cost proposal for the task will include the derivation of all direct expenses, including a breakdown of the anticipated work hours and laboratory tests to be performed; any outside services required will be detailed and a quote from the provider(s) included;
- The QT Project Engineer prepares and submits a ROW permit to the appropriate ADOT District. This includes coordinating any traffic control required to complete the task.
- The QT Project Engineer will work with the GSE to finalize the details of the investigation, including the job site location, the number of cores to be obtained and their specific locations, and if limited geotechnical explorations are required, a corresponding sample depth and laboratory testing schedule is prepared. The investigation plan is always reviewed and approved by the GSE prior to mobilization.
- If a limited geotechnical investigation is required, the QT Project Engineer will coordinate laying out the physical core locations in the field per the investigation plan. Arizona Bluestake is then contacted to clear utilities prior to the work being performed. If it is determined that one or more coring locations needs to be moved to avoid a utility, the GSE is immediately contacted to discuss alternate locations.

Pavement Coring

- Pavement cores are obtained from either the wheel path or shoulder as designated in the investigation plan. No coring will be performed on any roadway paint striping.
- All cores are extended to the full pavement depth or to a maximum of 24-inches, unless otherwise directed by the GSE.
- Pavement cores are photographed and logged onto the standardized core log.
- Unless otherwise directed by the GSE, pavement cores are disposed of after logging by placing the core back in the original core hole. Additional AC cold patch material will then be subsequently compacted into the core hole as needed to restore the core hole to its original condition. Extra attention is provided to cold patch compaction so that it remains intact until such time that the remainder of the pavement section is replaced by new construction, sometimes years in the future.

Limited Geotechnical Investigation

- For each bore hole advanced, a boring log will be completed that includes the project TRACS number, boring identification, date and start and stop times, the boring location including GPS coordinates and stations and offsets if available, the surface elevation, groundwater level if encountered, the type of drilling equipment used, the name of the driller and the person logging the hole.
- For each soil type encountered, the boring logs will include: the USCS group symbol and name; the estimated gravel, sand and fines contents; the plasticity index, moisture content, color, consistency, cementation; and other visual identifications per ASTM D2488.
- Samples are obtained from either: auger cuttings for bulk samples; or by driving a ring-lined or SPT sampler at the depths and intervals indicated in the investigation plan.
- If shallow refusal is encountered in any bore hole, the GSE is notified that same day or by the next working day.
- All bore holes will be backfilled with residual auger cuttings, the extracted pavement core, and additional compacted AC cold patch to restore the pavement to its original condition. Any excess material will be disposed of by QT.



Laboratory Testing

- Laboratory testing on select samples obtained from a limited geotechnical investigation will be performed per the assignment of laboratory testing provided by the GSE.
- Laboratory testing will be performed in our Gilbert, AZ laboratory for grain size analysis, Atterberg limits, unit weight, moisture content, moisture-density relationship, pH and resistivity. Testing for R-values, sulfates and chlorides will be performed by a specialized laboratory (subconsultant) that is accredited by ADOT for those procedures.
- All laboratory testing will be performed using the most current ARIZ, AASHTO or ASTM test methods as applicable.
- All soil samples will be contained and labeled as appropriate and retained by QT until the completion of project construction.

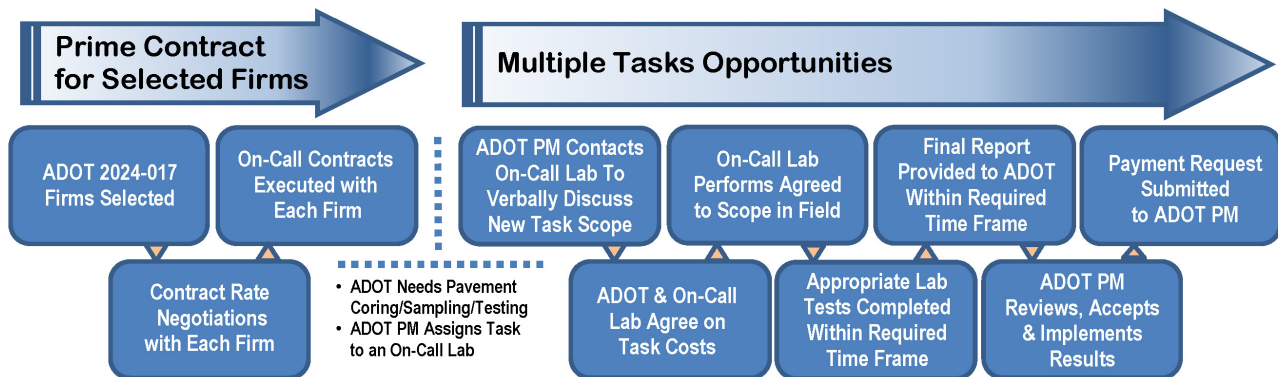
Reporting

- At the conclusion of the field work, QT will provide the GSE with the pavement core log and all core photographs. This will be presented in a data report and placed in a Google share drive provided by the Department.
- In the case when a limited geotechnical investigation is performed, following the conclusion of laboratory testing, a memorandum will be prepared that includes the project description, information about the investigation and soil conditions, the site plan, boring logs, and all laboratory test results. The memorandum will be signed and sealed by one of QT's professional engineers (PE), registered in the State of Arizona.

Invoicing

- An invoice is generated monthly, in ADOT format, and only after all deliverables have been received and accepted. During peak season, the invoice may include several tasks; however, each task is always clearly separated for easy identification.

(c) TENTATIVE SCHEDULE / FUNCTIONAL RELATIONSHIP OF MAJOR TASKS



2. Contract Team

QT has assembled an outstanding team of ADOT-experienced engineers, field geotechnical technicians, and laboratory technicians to assist ADOT on this contract.

KEY STAFF

Per the RFQ for this on-call contract, the following summarizes our key personnel and their roles and qualifications. As acknowledged by the position descriptions included in the ADOT RFQ sections 2(a) and 2(b), the "project management function," inclusive of contractual responsibility, company accountability, corporate level resource management, and active day to day task implementation and management, is a collaborative effort between the Project Principal, who also serves as the Contract Manager, the Materials Engineer, and the Project Manager. **The Project Principal/Contract Manager, the Materials Engineer, and the Project Manager roles are all considered KEY by QT. All are committed for the duration of this on-call contract.** Specific technician availability is a function of an individual's status at the time of the new assignment, and the currently unknown commitments that may develop after this on-call SOQ is submitted. The most likely available technicians are shown herein; however, additional qualified staff may become available during this contract.

(a) PROJECT PRINCIPAL / CONTRACT MANAGER / PROJECT MANAGER

Jeff Schaper, PE (AZ#49950)

QT President / QT Contract Manager (RFQ Attachment A Labor Classification, Project Manager – Senior)

Jeff has over 30 years of experience working in the heavy civil transportation industry. During his career he has worked on projects involving the construction of roadways, bridges, major drainage structures, light rail systems, flood control systems, border walls, and international airports. As QT's lead geotechnical engineer. **He is highly skilled in planning and executing geotechnical investigations, performing pavement designs, as well as laboratory management and materials coordination. Additionally, Jeff has managed numerous ADOT On-Call type prime contracts.** As a key manager at QT for the past 23 years, Jeff has served as the RE on numerous ADOT and is highly familiar with ADOT policies and procedures. Currently, Jeff has no firm project commitments. *Role: Jeff will serve as the principal, ensuring that the team's performance meets ADOT's expectations and as the Contract Manager and primary point-of-contact for all contractual matters. He has the authority to ensure that all adequate personnel and other resources are made available for this contract and the commitment to assure that contract performance is achieved to ADOT's requirements and satisfaction.*

(b) PROJECT ENGINEER

 **Shekhar Shah, EIT (ATTI, ACI)**
QT Project Manager, QT Geotechnical Department Manager (RFQ Attachment A Labor Classification, Project Engineer)

Shekhar has 23 years of geotechnical and construction materials testing experience. As QT's Geotechnical Department Manager, Shekhar is responsible planning and executing geotechnical subsurface investigations, test planning and scheduling, sample identification and coding, and overseeing the actual testing process, test data entry, compliance assessment, and data reporting. He is also responsible for managing QT's AASHTO Accredited as it relates to QT's Laboratory. **Shekhar performs the day-to-day Project Management duties associated with the most recent ADOT Asphalt Concrete Referee Testing and the ADOT Bituminous Materials On-Call contracts.** *Role: Of significant relevance to this On-Call Pavement Coring and Limited Geotechnical Investigations contract, Shekhar has worked in the past on numerous geotechnical projects, planning and managing subsurface investigations including asphalt coring as needed. Shekhar provides instrumental supervision and support to QT's Geotechnical laboratory. In practice, Shekhar will serve as the primary liaison between QT and ADOT concerning the testing and reporting process.*

(c) ENGINEER, GEOLOGIST AND/OR OTHER KEY PERSONNEL

 **Ivan Celaya (ATTI, ACI)**
Lead Engineering Technician (RFQ Attachment A Labor Classification, Engineer/Geologist)

Ivan has over 8 years of experience performing inspections and construction materials testing on infrastructure improvement projects. Additionally, Ivan is a skilled field engineering technician who regularly works on subsurface investigations. He is familiar with ADOT Standards, pavement coring, soils sampling and visual classification of soils using ASTM D2488. His primary responsibilities on geotechnical projects typically include inspection of the project site, preparation of boring logs, visual classification of subsurface soils, obtaining ring-lined and bulk samples, and coordinating lab testing activities. *Role: On this contract, Ivan will be the lead engineering technician in the field, as well as assisting the Project Engineer with planning and scheduling field investigations.*

(d) OTHER IMPORTANT PERSONNEL RESOURCES

Per the RFQ for this on-call contract, the Key Team Member Matrix on the previous page identifies the three KEY members discussed in RFQ Part C 2(a), 2(b) and 2(c), Contract (Project) Manager, Project Engineer, and Engineer/Geologist along with providing the additional requested information. Also included in the matrix are potential field and laboratory technicians qualified to perform technical work on this contract. *Each individual's relevant project experience in a similar role is shown in the matrix's right-hand columns. Also, note that the requested scope and cost information for projects [01] through [05] is included in Section 3, Firm Capability, of this SOQ.* The most likely available engineering technicians are shown herein; however, additional qualified staff may become available during this contract.

Tyler Jones, EIT

QT Engineering Support (RFQ Attachment A Labor Classification, Engineer/Geologist)

Tyler joined QT in 2023 as a geotechnical engineering technician. Tyler assist QT's geotechnical efforts both in the field as well as the lab. As an EIT, Tyler also assists QT's geotechnical managers with the planning and layout for field investigations, as well as the development of engineering reports and final deliverables. He has now worked on over 20 geotechnical subsurface investigations in the field. *Role: Tyler will assist the Project Engineer with planning and coordination as well as the Engineer/Geologist in the field for geotechnical investigations.*

Mike Young (ATTI, ACI)

Lead Field Technician (RFQ Attachment A Labor Classification, S6 Field)

Michael Young is an experienced engineering technician with 9 years of experience performing materials testing and management-related tasks on heavy construction projects. Mike is a competent engineering technician and has performed numerous subsurface investigations while working for QT. Additionally, as a lead technician, Mike has cored hundreds of asphalt cores on dozens of roadway construction projects. He is proficient performing all field testing, and sampling associated with soil, aggregate, and concrete materials. He is a reliable hard worker, a great communicator, and is team-orientated. Along with being technically competent, Mike is quite responsive to input and direction regarding project and organizational procedures and processes. *Role: Mike will be assisting with pavement coring and limited geotechnical investigations on this contract.*

Scott Henry (ATTI, ACI)

Field Technician (RFQ Attachment A Labor Classification, S6 Field)

Scott is a Civil Inspector and Field Technician with over four years of experience on heavy construction projects. He is skilled in inspecting various ADOT project features and performing the typical field testing and sampling associated with soil, aggregate, asphaltic pavement, and concrete materials. Scott regularly works on ADOT paving projects, establishing rolling patterns, sampling HMA as well as sampling pavement cores. He has good organizational skills and is an adept communicator and observant inspector. Scott understands the importance of maintaining up-to-date, accurate documentation of his testing and inspection activities. *Role: Scott will be performing pavement coring on this contract.*

KEY TEAM MEMBER MATRIX

ADOT CONTRACT 2024-017 ON-CALL PAVEMENT CORING AND LIMITED GEOTECHNICAL INVESTIGATIONS SATEWIDE LOCATIONS KEY PERSONNEL QUALIFICATIONS		EXPERIENCE					ATTI			WORKED ON PROJECT [#]						
		GEOTECHNICAL PROJECT MANAGEMENT	PAVEMENT CORING	SUBSURFACE INVESTIGATION	LABORATORY SOILS TESTING	LABORATORY ASPHALT TESTING	FIELD	SOIL / AGGREGATE	ASPHALT	[01]	[02]	[03]	[04]	[05]		
										Holbrook Airport Runway Pavement Design	Combs Road; Schnepf to Kenworthy Road	TT0716 White Tank Park Entrance	Cochise County Wilcox Airport Apron Rehab	Brenner Pass Road & Judd Road Chip Seal		
CONTRACT/PROJECT MANAGEMENT																
 Jeff Schaper, PE (AZ #49950) Contract Manager Sr./Project Principal 25% Availability for Duration		☐	☐	☐	☐	☐				☐	☐	☐	☐	☐		
 Shekhar Shah, EIT Project Engineer 25% Availability for Duration		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
 Ivan Celaya Engineer/Geologist 33% Availability for Duration			☐	☐			☐				☐		☐	☐		
FIELD TECHNICIANS - GEOTECHNICAL SUPPORT																
Tyler Jones, EIT	☒ 100% anticipated availability ☒ No firm commitments ☒ Will work at the job site ☒ Worked on projects (#)	☐	☐	☐	☐		☐				☐		☐			
Scott Henry			☐	☐	☐	☐	☐	☐	☐			☐		☐		
Mike Young			☐	☐	☐	☐	☐	☐	☐		☐	☐				
Fernando Munoz			☐	☐			☐						☐			
Richard Solano			☐	☐	☐	☐	☐			☐						
LABORATORY TECHNICIANS - GEOTECHNICAL LABORATORY TESTING																
Marco Solano	☒ 10% anticipated availability ☒ No firm commitments		☐		☐	☐		☐	☐	☐	☐	☐	☐	☐		
Corey Clifford	☒ Will work from QT ☒ Worked on projects (#)		☐	☐	☐	☐	☐	☐	☐		☐	☐	☐	☐		
For each of the Key Personnel identified above (), their resume has been included in Attachment 1. QT has an internal pool of over 80 employees comprised of Engineers, Project Managers, Construction Inspectors, Field and Lab Materials Technicians, and Administrative Support personnel. Our staff includes nearly 50 AC/ATTI certified technicians. A full itemization of QT's manpower resources will be provided upon request, but names are not included in this SOQ.																

(d) OTHER KEY AND OTHERWISE IMPORTANT PERSONNEL RESOURCES (CONTINUED)

Richard Solano (ATTI, ACI)

Field Technician (RFQ Attachment A Labor Classification, S7 Field)

Richard has nearly 35 years of experience as a construction inspector, field testing technician, lab testing technician, and job supervisor working on public and private construction projects. He spent 13 years working for a heavy civil construction contractor leading its quality control operations on multiple major projects throughout the southwestern United States. Richard has spent the remainder of his career working for inspection firms utilizing his vast experience supervising inspection and field-testing operations on projects and troubleshooting materials problems for the client. Richard is highly qualified to work as an engineering technician in the field and is very familiar with pavement coring and subsurface investigations. He is extremely familiar with the ADOT construction standards. He is highly skilled in inspecting and documenting the construction of most features associated with roadways, drainage systems, and airport facilities. Richard spent much of his career producing and paving asphalt concrete mixtures and troubleshooting asphalt pavement mix and compaction issues in the field. Richard's greatest value is realized when he is called upon to inspect and evaluate asphalt concrete paving operations on grade or at the hot plant. *Role: For this contract, Richard would be performing pavement coring, assisting with geotechnical investigations, and providing pavement technical expertise as needed.*

Marco Solano (ATTI, ACI, NBTC)

Materials Laboratory Supervisor (RFQ Attachment A Labor Classification, S7 Lab)

Marco began his testing career with QT 12 years ago. Working primarily in the QT main laboratory, he was trained by QT and has likely run more ADOT project generated samples over the past 12 years than any technician in the valley. In general, his skills and attention to detail have contributed significantly to QT's previous successful ADOT inspections and our regular high marks on ADOT proficiency samples. Marco performs most of QT's asphalt binder and emulsion testing, runs most of QT's ADOT referee samples and QT's proficiency samples. He has also successfully fulfilled an ADOT Temp Tech assignment, where he worked in ADOT's Globe Acceptance testing laboratory. *Role: Marco will supervise and perform laboratory testing as needed for limited geotechnical investigations.*



Corey Clifford (ATTI, ACI)

Materials Laboratory Senior Technician (RFQ Attachment A Labor Classification, S6 Lab)

Corey is a testing technician and materials coordinator who routinely works on roadways, aviation, flood control, and other heavy civil public works projects. He is proficient in performing all construction material test methods associated with soils, aggregates, concrete, and asphalt concrete. Corey has experience performing material coordinator duties, including developing materials test plans, assuring materials test plans are correctly implemented, and consistently followed and maintaining project materials certification records. These duties also include updating and reporting on test plan progress, performing formal material close-outs, and preparing final certification packages. Corey is also knowledgeable regarding the ADOT FAST materials data system and QT's proprietary materials management system. *Role: Corey will perform laboratory testing as needed for samples obtained from limited geotechnical investigations.*

3. Firm Capability

QT regularly performs geotechnical investigations, pavement coring, materials testing and construction inspection services on projects throughout the State of Arizona. We routinely serve on projects administered by Federal, State, and County agencies and have worked on projects involving nearly every municipality and other LPA in Arizona. *Most importantly, QT has provided its services on a variety of on-call contracts throughout the state of Arizona and is well suited to servicing this Pavement Coring and Limited Geotechnical Investigations on-call.*

(a) PROJECT EXPERIENCE

The following are sample projects, either complete or in-progress, which are most recent and relevant to QT's pursuit of the ADOT On-Call Pavement Coring and Limited Geotechnical Investigations contract. Note that each project has a number [##] referenced in the Key Team Member Matrix.

[01] Holbrook Airport Runway Pavement Design (QT as Subconsultant)

Description & Role: QT performed a geotechnical study for reconstruction of Runway 3/21 at the Holbrook Municipal Airport. The existing runway 3/21 was at end of its design life and QT was hired to provide new pavement section per FAA specifications. A total of 17 asphalt cores and 34 borings were performed and various undisturbed samples were collected and delivered to QT's laboratory for subsequent testing. Field boring logs were modified per the laboratory results and a new pavement section and construction recommendations were provided.

Role of the Firm: QT was hired to core the existing asphalt pavement to assess the thickness and condition of the pavement and a geotechnical investigation to ultimately develop a new pavement section for the runway.

Key QT Staff Involved in Contract: Jeff Schaper, P.E. (Contract Manager, Geotechnical Engineer), Shekhar R. Shah (Sr. Project Manager), Richard Solano (Field Technician), Marco Solano (Laboratory Technician)

Consultant Contract Amount: \$40K

Project Owner: City of Holbrook

[02] Combs Road; Schnepf Road to Kenworthy Road (QT as Subconsultant)

Description & Role: The referenced project is located on Combs Road, between Kenworthy Road and Schnepf Road, in San Tan Valley, Arizona. This section of Combs Road is approximately 1 mile in length and is classified as a major arterial. It provides access to high density residential areas, vacant properties, and other roads in the area. This portion of Combs Road is currently a two-way street and will be developed to a 5-lane section with 2 lanes each way with median and Two-Way Left-Turns Lanes (TWLTL).

Role of the Firm: QT performed the geotechnical investigation for a new pavement design for the arterial road along with various asphalt cores to assess the existing thickness of pavement and base material.

Key QT Staff Involved in Contract: Jeff Schaper, P.E. (Geotechnical Engineer), Shekhar R. Shah (Sr. Project Manager), Tyler Jones (Engineer/Geologist), Ivan Celaya (Engineering Technician), Mike Young (Engineering Technician)

Consultant Contract Amount: \$14.5K.

Project Owner: Pinal County Department of Transportation

[03] MCDOT TT0716 White Tank Park Entrance (QT as Prime)

Description & Role: Recent crash incidents at the White Tank Park entrance have raised public safety concerns and there is a need to improve the safety of the entrance. MCDOT is planning to provide a park entrance that improves public safety. The selected alternative included additional lanes with improved geometric design.

Role of the Firm: QT performed the geotechnical investigation for a new pavement section for the park entrance road along with various asphalt cores to assess the existing thickness of pavement and base material.

Key QT Staff Involved in Contract: Jeff Schaper, P.E. (Contract Manager, Geotechnical Engineer), Shekhar R. Shah (Sr. Project Manager), Mike Young (Engineering Technician), Scott Henry (Engineering Technician)

Consultant Contract Amount: \$10.5K

Project Owner: Maricopa County Department of Transportation (MCDOT)

[04] Cochise County Wilcox Airport Apron Rehabilitation (QT as Subconsultant)

Description & Role: The project consisted of reconstructing of apron for the Cochise County Airport in Wilcox, Arizona. The existing asphaltic concrete apron had shown signs of severe distresses at the end of its design life and needs a new pavement design.

Role of the Firm: QT was hired to perform geotechnical investigation for pavement design for the apron area along with various asphalt cores to access the existing thickness of pavement and base material. Total of 12 soil borings and 12 asphalt cores were performed for this project.

Key QT Staff Involved in Contract: Jeff Schaper, P.E. (Geotechnical Engineer), Shekhar R. Shah (Sr. Project Manager), Ivan Celaya (Engineering Technician), Fernando Munoz (Engineering Technician), Tyler Jones (Engineer/Geologist)

Consultant Contract Amount: \$24K

Project Owner: Cochise County

[05] Brenner Pass Road and Judd Road Chip Seal (QT as Prime)

Description & Role: The project consisted of evaluating the existing chip seal on an approximately 2-mile section of Brenner Pass Road, from Thompson Road to Judd Road. The chip seal was constructed in April of 2021, and our understanding is that almost immediately after construction the chip seal began peeling off at several locations under vehicular traffic. Pinal County has asked QT to evaluate this section of road for opinions on potential corrective actions.

Role of the Firm: As a task on our Pinal County Geotechnical On-call, QT was asked to assess visible distresses with the chip seal on this particular section of the road. This included coring through the chip seal surface treatment and sampling and testing of the subgrade soils.

Key QT Staff Involved in Contract: Jeff Schaper, P.E. (Contract Manager, Geotechnical Engineer), Shekhar R. Shah (Sr. Project Manager), Ivan Celaya (Engineering Technician), Scott Henry (Engineering Technician)

Consultant Contract Amount: \$6.5K

Project Owner: Pinal country Department of Transportation

(b) SUBCONSULTANTS

QT does anticipate the need for a traffic control subconsultant to provide traffic control plans as necessary and for the set up and take down traffic of control devices as required by the ROW permit for a specific task. In the past we have used Bob's Barricades for this purpose and Bob's Barricades regularly provides traffic control services to ADOT projects. However, because the timing and location of tasks is not known at this time, each task will need to be evaluated to determine the traffic control needs and a qualified subconsultant who can meet the timeframe and location requirements will be brought on board. We also anticipate that we will use a subconsultant to perform chemical testing (sulfates and chlorides) and R-Value tests when those are required for a limited geotechnical investigation. These tests, when required, will be subconsulted to an AASHTO accredited and ADOT approved laboratory that has the availability to meet the specific timeframe for the specific task. At this time we anticipate using Mottz Laboratory, Inc. for chemical testing and either Terracon or Western Technologies, Inc. for R-Value testing.



(c) CAPACITY AND IMPACT ON WORKLOAD

QT has been **doing business in Arizona for 20 years** and has established a strong track record of matching our workforce, and other resources, with demand mainly generated by our ADOT contracts. We have the financial and workforce capacity to satisfy the demand of this On-Call contract. QT routinely works simultaneously on a broad blend of project types, of widely varying size, in many different locations and for many different clients. We manage our considerable resources to achieve the high level of efficient service we expect on our projects. **QT has earned an excellent reputation within our industry, and ADOT is our most prominent client. QT is both able and committed to continuing to set the bar high for servicing ADOT on this Pavement Coring and Limited Geotechnical Investigations On-Call contract.** The QT Team will not have to “staff up” for this contract, and we are prepared to begin upon receipt of a Notice to Proceed. Additionally, QT already owns multiple pavement coring rigs and the necessary subsurface drilling and sampling equipment to successfully perform any task generated through this On-Call contract.

(d) INTERNAL QUALITY CONTROL AND CONTINUOUS IMPROVEMENT

QT's Standard Approach to Any Project

Before the formation of QT, most of our principals and senior management gained years of valuable experience serving as engineers or constructors. They were required to rely on the materials testing services provided by other firms. In many cases, those services fell short of expectations. As a result, the nature of QT's services evolved in response to the need for more comprehensive materials testing services in the marketplace. **QT applies the same formula on all our projects so that service is consistent and does not vary from day-to-day, technician-to-technician, or material-to-material.** Whenever possible, we present all materials information in the context of the contract administration process, producing a cohesive final product that is immediately understandable and usable by our often very busy manager clients. **By having a standard approach to project service, we can measure compliance with our processes, resulting in higher quality and a consistent product.** This approach is applicable regardless of what is being constructed, what materials are involved, and what testing is required. Our standard service formula includes the following ingredients:

- | | |
|--|--|
| ✓ AASHTO Accreditation and Agency Approval | ✓ Conclusive and Timely Reporting |
| ✓ Calibrated and Maintained Testing Equipment | ✓ Punctuality and Consistency |
| ✓ Know Industry Standards and Specifications | ✓ Effective Communication with the Client |
| ✓ Sophisticated Data Management Systems and Tools | ✓ Scope Based Budgeting and Accurate Invoicing |
| ✓ Prepare/Adhere Project Sampling and Testing Plan | ✓ Proactive Problem Solving |
| ✓ Produce Solid Field and Lab Documentation | ✓ Acknowledge and Respect Client Processes |

4. Past Performance

The ADOT generated performance evaluation history for QT indicates that no performance-based point deduction will apply to this SOQ.



PART D - KEY PERSONNEL RESUMES**JEFF SCHAPER, PE****CONTRACT ROLE:** Contract Manager/Geotechnical Engineer/Construction Quality Manager

Home Office: QT Corporate, Gilbert

SUMMARY:

Jeff is a Geotechnical/Materials/Resident Engineer and Construction Quality and Materials Manager. He has 30 years of experience on projects throughout Arizona, Texas, and Utah. Jeff began his career as a Quality Control Technician in 1993 and has worked on numerous projects involving the construction of freeways, local surface streets, major drainage structures, and international airports. He has experience managing overall construction materials testing and inspection programs on large and small projects. Jeff is also proficient with FAARFIELD Airport Design Software for pavement design.

EDUCATION:

MS, Civil Engineering (Geotechnical Emphasis), Arizona State University
BS, Civil Engineering, Arizona State University

CREDENTIALS:

Registered Civil Engineer, Arizona, #49950
ISO 9001:2008 Lead Auditor Training (RBAQSA)
Asphalt Institute, Asphalt Binder Testing Training

EXPERIENCE:**Quality Testing, LLC
2001 – Present****Gilbert, AZ**

Jeff provides technical oversight on all of QT's geotechnical projects. He is also responsible for updating and assuring compliance with QT's Corporate Quality Systems Manual, supporting various agency proficiency sample programs, AASHTO, and other agency laboratory site inspections, and providing guidance for the set-up and approval activities associated with mobile testing laboratories. As QT's President, Jeff is also responsible for ensuring that all QT projects have the necessary resources and ensure that all project functions are implemented and executed correctly. Jeff generally serves as a Geotechnical/Materials/Resident Engineer and Construction Quality and Materials Manager on projects.

MCDOT ON-CALL GEOTECHNICAL AND MATERIALS TESTING

Geotechnical tasks completed or currently underway include:

- Dove Valley Road, 171st Avenue to 13th Avenue
- Bethany Home Road
- Low Volume Roads, 11th Avenue Honda Bow to 13th Avenue
- 227th Avenue, Montgomery Road to Dove Valley Road Roadway Improvements
- Camelback Road and 152nd Avenue Drainage Improvements
- White Tank Park Entrance
- El Mirage Road, Bethany Home Road to Glendale Avenue

PINAL COUNTY PROFESSIONAL ON-CALL SERVICES, GEOTECHNICAL AND MATERIALS TESTING

Geotechnical tasks completed or currently underway include:

- Battaglia Drive and Sunland Gin Road
- East Park Link Drive
- Hunt Highway Asphalt Testing
- Gary Road and Johnson Ranch Road Intersection
- Magma Road Improvements, Hunt Hwy to Gary Road
- Meridian Road, Germann Road to SR 24
- Combs Road, Schnepf Road to Kenworthy
- Schnepf Road Pavement Design
- Thompson Road Channel Design
- Randolph Roadway Improvements
- Ocotillo Road and Schnepf Road Intersection Improvements

TOWN OF QUEEN CREEK ON-CALL PROFESSIONAL SERVICES

Notable projects include:

- Rittenhouse Road Improvements, 213th Street to Riggs Road
- Rittenhouse Road Bridge Replacement
- Ocotillo Road, Ellsworth Road to Heritage Loop
- Ocotillo Road Improvements, Recker Road to Power Road

PART D - KEY PERSONNEL RESUMES**SHEKHAR SHAH****CONTRACT ROLE:** Geotechnical Engineer/Project Manager

Home Office: QT Corporate, Gilbert

SUMMARY

Shekhar has 23 years of geotechnical and construction materials testing experience throughout Arizona and Texas. He began his career as a laboratory technician in 2001 and moved into various supervisory and geotechnical engineering design roles. Shekhar oversees QT's specialty binder laboratory, including workflow, test planning, scheduling, sample identification, coding, testing process, test data entry, compliance assessment, and reporting. His expertise includes developing and implementing geotechnical investigations, boring and sampling and testing plans, and conducting geotechnical tests. Shekhar oversees QT's geotechnical and specialty testing laboratory workflow processes. He also oversees the geotechnical and binder testing portions of QT's AASHTO Accreditation, which involves maintaining the Quality Systems Manual (QSM); leading AMRL, CCRL, and ADOT laboratory inspections; and QT's participation in the AASHTO and ADOT proficiency sample programs.

EDUCATION:

MS, Civil Engineering, Construction Management Emphasis, Texas A & M
BS, Civil Engineering, P.V.P. Institute of Technology (India)

CREDENTIALS:

ACI Field Testing Technician
ACI Strength Testing Technician
ATTI Asphalt Technician
ATTI Field Technician
ATTI Soils & Aggregate Technician

EXPERIENCE:**Quality Testing, LLC****Gilbert, AZ****2015 – Present**

As a Senior Project Manager/Geotechnical Staff Engineer, Shekhar reviews laboratory data on various QT geotechnical and major construction projects. As a Geotechnical Staff Engineer, Shekhar coordinates field drilling on geotechnical projects, analyzes laboratory data, and prepares reports with geotechnical recommendations for pavement design. Shekhar is also responsible for sample management, calibrating laboratory equipment, and report tracking. Shekhar's project experience includes the following:

PINAL COUNTY PROFESSIONAL ON-CALL SERVICES, GEOTECHNICAL AND MATERIALS TESTING

Geotechnical tasks completed or currently underway include:

- Battaglia Drive and Sunland Gin Road
- East Park Link Drive
- Hunt Highway Asphalt Testing
- Gary Road and Johnson Ranch Road Intersection
- Magma Road Improvements, Hunt Hwy to Gary Road
- Meridian Road, Germann Road to SR 24
- Combs Road, Schnepf Road to Kenworthy
- Schnepf Road Pavement Design
- Thompson Road Channel Design
- Randolph Roadway Improvements
- Ocotillo Road and Schnepf Road Intersection Improvements

MCDOT ON-CALL GEOTECHNICAL AND MATERIALS TESTING

Geotechnical tasks completed or currently underway include:

- Dove Valley Road, 171st Avenue to 13th Avenue
- Bethany Home Road
- Low Volume Roads, 11th Avenue Honda Bow to 13th Avenue
- 227th Avenue, Montgomery Road to Dove Valley Road Roadway Improvements
- Camelback Road and 152nd Avenue Drainage Improvements
- White Tank Park Entrance
- El Mirage Road, Bethany Home Road to Glendale Avenue

TOWN OF QUEEN CREEK ON-CALL PROFESSIONAL SERVICES

Notable projects include:

- Rittenhouse Road Improvements, 213th Street to Riggs Road
- Rittenhouse Road Bridge Replacement
- Ocotillo Road, Ellsworth Road to Heritage Loop
- Ocotillo Road Improvements, Recker Road to Power Road

PART D - KEY PERSONNEL RESUMES**IVAN CELAYA****CONTRACT ROLE:** Construction Inspector

Home Office: QT Corporate, Gilbert

SUMMARY

Ivan has eight years of experience performing inspections and construction materials testing on infrastructure improvement projects. He is familiar with ADOT Standard Specifications and Details, MAG Standard Specifications and Details, and the companion MAG Supplements utilized by numerous county and municipal agencies. His primary project responsibilities typically include inspection of highways, surface streets, aviation facilities, and other major transportation and public infrastructure. He has expertise in hot plant operations and is highly skilled in testing soils, concrete, and asphalt paving materials. Ivan is likewise experienced working on geotechnical subsurface investigations and regularly works with a drilling crew in the field to develop boring logs and sample materials per the requirements of the geotechnical engineer. In addition to his technical skills, Ivan also communicates exceptionally well, both verbally and written. All of these traits make Ivan an invaluable resource for QT.

CREDENTIALS

ACI Concrete Field-Testing Technician, Grade 1 (Exp. 02/17/2027)
ATTI Field Technician (Exp. 09/10/2027)
Asphalt Inst. Pavement Inspector (no expiration)
HAZMAT (Exp. 01/11/2027)
ISSA Microsurfacing (Exp. 04/21/2030)
ISSA Slurry Seal Spreaderboxes (Exp. 04/21/2030)
ISSA Slurry Seal Crack Treatment (Exp. 04/28/2030)
ISSA Slurry Chip Seal (Exp. 04/20/2030)
Radiation Safety

EXPERIENCE**Quality Testing, LLC****Gilbert, AZ****2018 – Present**

Ivan has been assigned to numerous construction projects providing inspection and materials testing services. His responsibilities have increased regularly because of his technical competency, professionalism, and communication skills. His diverse technical skills combined with his ability to communicate effectively with clients, agencies, contractors, suppliers, and co-workers make him a great asset on any construction administration team. Ivan's project experience includes:

- **Geotechnical Subsurface Investigations, Statewide.** QT regularly performs subsurface investigations throughout the state of Arizona in conjunction with geotechnical foundation and pavement designs. Subsurface investigations require a good amount of experience and comfort working with soils to describe and visually classify the materials encountered in each boring. In addition to classifying the soils, there is an almost continuous sampling of the various materials and monitoring of field SPT testing. Because of his expertise working with soils, his concise and detailed documentation, and organization skills make Ivan well suited for geotechnical investigations. Some of the subsurface investigations Ivan has performed include:
 - Combs Road-Schnepf Rd to Kenworthy Rd
 - Attaway Road-Hwy 287 to Vah Ki Inn Pavement Desing
 - Woodruff Lane Curry Road to Macare Road Pavement Desing
 - Coolidge Adult Center
 - 5402 E Calle Yusuco Billboard
 - 1900 Calle Carmen Billboard
 - Indian School Road & 7th Street Billboard
 - Surprise SPA1 WRF
 - 1126 East Maricopa Freeway Billboard
 - 710 E Indian School Road Billboard
 - 6120 E Redwing Road Custom Home
 - Clark Residence
 - TUS Executive Ramp Apron Improvements
 - 1835 S Black Canyon Hwy Billboard
 - 1735 E Maricopa Fwy Billboard
 - 10333 Rockaway Hill Drive
 - Mountain Gate HOA Repair
 - Verrado WRF Infiltration Test
 - 5926 West Monroe
 - 8725 South Mountain Freeway Billboard
 - 533 E Dunlap Ave Billboard

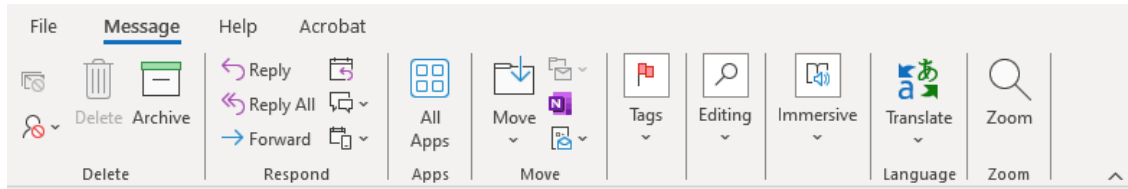
PART D - KEY PERSONNEL RESUMESCorey Clifford
Page 2 of 2

- **FCDMC Buckeye Flood Retarding Structure (FRS) No. 1 Rehabilitation Project (Phase 2B); Maricopa County, AZ.** The Flood Control District is in the process of rehabilitating Buckeye Flood Retarding Structure No. 1. It is one of three structures north of Interstate 10 and south of the White Tank Mountains. The earth-filled dam detains floodwater and conveys it to the Hassayampa River. The structure is 7.1 miles long with a height of 26 feet and has a storage capacity of 6,345 acre-feet. Built in the 1970s, the dam rehabilitation will extend the life of the structure and ensure it continues to protect downstream property owners from flooding. Project elements include raising the dam height from 2.5 to 3 feet on the eastern end, reinforcing the auxiliary spillway, installing a central filter and a concrete riser for the principal spillway and constructing new ramps and maintenance roads. Ivan serves as construction inspector on the project.
- **MCDOT Sun Lakes Pavement & ADA Rehabilitation, Units 1-10, & 41; Chandler, AZ.** The work consisted of removing and replacing ADA ramps, sidewalks/curb/gutter adjacent to the ramps, aprons, valley gutters, signs, minor pavement marking, and temporary pavement patches. The project included the milling of existing pavement, grading and proof rolling of sub-grade, the addition of aggregate base in low areas, and paving of Asphaltic Rubber Asphaltic Concrete. The project removed and replaced the asphaltic concrete pavement throughout this residential neighborhood, which is approximately 20 miles of streets. The pavement was milled up and hauled for crushing/processing to a MCDOT maintenance yard. The exposed subgrade was graded, and proof rolled to accept 2.5 or 3.0 inches of new AC. Ivan served as a construction inspector for the project.
- **SRP/Spartan Infrastructure Abel-Pfister-Ball 230kV Transmission Project; Maricopa County, AZ.** An important SRP project to designed to meet increased demand and area growth, the Abel-Pfister-Ball 230kV Transmission project constructed an approximately 20-mile, double-circuit, 230-kilovolt (kV) transmission line connecting two SRP-owned and previously sited 230/69kV substation sites. Ivan was responsible for performing construction inspections on the drilled shafts.
- **East Maricopa Floodway (EMF) Low Flow Channel, Ray Road To Guadalupe Road; Maricopa County, AZ.** This project included 3.5 miles of a reinforced concrete low flow channel, 12 foot wide in the center of the floodway, channel excavation and grading, new concrete drainage swales from the pipe outlets to the channel, concrete ramps to access the channel and hydroseeding after the disturbance of the floodway. It was imperative that public access be maintained during construction. The project was completed with an accelerated schedule to coordinate around planned and emergency discharges. Ivan performed construction materials testing during the life of the project.
- **USACE, FY19 Vehicle and Pedestrian Barrier Replacement Project (W912PL19C0015).** Ivan served as lead inspector for Tucson Projects 1 and 2 which involved replacing the vehicle and pedestrian barrier along the US/Mexico international boundary line. Comprised of the construction of approximately 43 miles of new bollard walls, including gates, roads, drainage improvements, fiber optic communication cables, electrical, lighting, CCTV systems, utility relocations, demolition, and disposal. In addition to his inspection duties, Ivan also performed, as needed, density tests on soil and aggregates, concrete tests, including slump, temperature, unit weight, air content, and casting samples. He also completed sampling on soil, concrete, grout, and coarse and fine aggregates from on-site concrete batch plants.

PART D - SOQ PROPOSER'S SOLICITATION LIST CONFIRMATION EMAIL (from BECCO)



We Make Quality Our Business



Bidders List for Quality Testing, LLC



ADOT Business Engagement and Cor
To QT Business Development
Cc ContractorCompliance@azdot.gov



Fri 2/23/2024 8:16 AM

Quality Testing, LLC, AZUTRACS Number: [10910](#) has submitted a Bidder/Proposer list for **2024-017** on 02/23/2024 at 8:16 AM MST (UTC - 07:00).

Quality Testing, LLC submitted a blank bidders/proposers list. This means that they did not list any firms that they reached out to or were contacted by during the preparation of this bid/proposal. NOTE: Subbing out work is encouraged, where applicable. Under some circumstances, no subbing opportunities are available.



PART E - AMENDMENTS



Engineering Consultants Section

Our True North: *Safely Home*

Katie Hobbs, Governor

Jennifer Toth, Director

Greg Byres, Deputy Director for Transportation/State Engineer

Steve Boschen, Division Director

Korina Lopez, Group Manager

Date: February 15, 2024

TO: ALL INTERESTED PARTIES

SUBJECT: AMENDMENT NUMBER 01

REFERENCE: REQUEST FOR QUALIFICATIONS
CONTRACT NUMBER 2024-017
On-Call Services for Pavement Coring and Limited Geotechnical Investigations

The following question has been asked in reference to the above Request for Qualifications package:

1. RFQ says the total page limit is 12 pages, but with your required forms, the evaluation criteria starts on page 5. So this means we only have 8 pages to address everything in the evaluation criteria section?

Answer: Yes, the correct total page limit amount is **12** pages leaving 8 pages to address the evaluation criteria section.

April R Conti-Farris

April R Conti-Farris

Contract Specialist

Engineering Consultants Section

AN OFFEROR MUST ACKNOWLEDGE RECEIPT OF THIS AMENDMENT BY SIGNING BELOW AND INCLUDING ALL PAGES OF THIS AMENDMENT IN THE SOQ SUBMITTAL. FAILURE TO DO SO SHALL RESULT IN REJECTION OF THE PROPOSAL.

Jeffery M. Schaper

CONSULTANT NAME

SIGNATURE

* This amendment is not included in the total page count in the Statement of Qualification submittal.

PART E - AMENDMENTS



Our True North: *Safely Home*

Engineering Consultants Section

Katie Hobbs, Governor
Jennifer Toth, Director
Greg Byres, Deputy Director for Transportation/State Engineer
Steve Boschen, Division Director
Korina Lopez, Group Manager

Date: February 21, 2024

TO: ALL INTERESTED PARTIES

SUBJECT: AMENDMENT NUMBER 02

REFERENCE: REQUEST FOR QUALIFICATIONS
CONTRACT NUMBER 2024-017
On-Call Services for Pavement Coring and Limited Geotechnical Investigations

The following questions have been asked in reference to the above Request for Qualifications package:

1. In reference to the RFQ 2024-017 I would like you to confirm the following:
Page 27 - SCOPE OF WORK - under Objective-..."The depth not to exceed is 5 feet"?

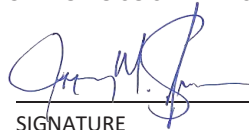
Answer: Yes

Thank you,

April R Conti-Farris
April R Conti-Farris
Contract Specialist
Engineering Consultants Section

AN OFFEROR MUST ACKNOWLEDGE RECEIPT OF THIS AMENDMENT BY SIGNING BELOW AND INCLUDING ALL PAGES OF THIS AMENDMENT IN THE SOQ SUBMITTAL. FAILURE TO DO SO SHALL RESULT IN REJECTION OF THE PROPOSAL.

Jeffery M. Schaper



CONSULTANT NAME

SIGNATURE

* This amendment is not included in the total page count in the Statement of Qualification submittal.

PART F - CONSULTANT INFORMATION PAGES (CIP)

CONSULTANT INFORMATION PAGES (CIP)

CONTRACT NO.: 2024-017
 CONTACT PERSON: Jeffery M. Schaper
 E-MAIL ADDRESS: jschaper@qt-az.com
 TITLE: President
 CONSULTANT FIRM: Quality Testing, LLC
 ADDRESS: 175 S. Hamilton Pl, Bldg 6, Ste 114

CITY, STATE ZIP: Gilbert, AZ 85233
 TELEPHONE: 480-496-2000
 FAX NUMBER: 480-496-2001
 DUNS #: 060354222

ADOT CERTIFIED DBE FIRM? (YES/NO)

No

SUBCONSULTANT(S):	TYPE OF WORK	ADOT CERTIFIED DBE FIRM (YES/NO)
<u>None</u>		

NOTE: This page is not evaluated by the Selection Panel but is used by Engineering Consultants Section for administrative purposes.

Revised 11/23/2021

PART F - CONSULTANT INFORMATION PAGES (CIP)

SUBCONSULTANT(S) TABLE:

SUBCONSULTANT FIRM NAME:	N/A
CONTACT PERSON:	
E-MAIL ADDRESS:	
TITLE:	
ADDRESS:	
CITY, STATE ZIP:	
TELEPHONE:	
FAX NUMBER:	
DUNS #:	

SUBCONSULTANT FIRM NAME:	N/A
CONTACT PERSON:	
E-MAIL ADDRESS:	
TITLE:	
ADDRESS:	
CITY, STATE ZIP:	
TELEPHONE:	
FAX NUMBER:	
DUNS #:	

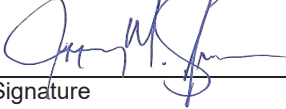
NOTE: Each Subconsultant listed in the SOQ must be included in the Subconsultant Table of the CIP. Add additional Subconsultant Table pages as necessary. The CIP is not evaluated by the Selection Panel but is used by Engineering Consultants Section for administrative purposes.

PART F - CONSULTANT INFORMATION PAGES (CIP)

DBE GOAL ASSURANCE/DECLARATION

This Contract is Race Neutral (No DBE Goal-DBE use encouraged).

By signing below, and in order to submit an SOQ proposal and be considered to be awarded for this contract, in addition to all other pre-award requirement, the consultant/Proposer certifies that they will meet the established DBE goal or will make good faith efforts to meet the goal for the contract and that arrangements with certified DBEs have been made prior to SOQ and/or Cost Proposal submission. The proposer will meet the established DBE goal or will make good faith efforts to meet the goal on each Task Order assignment associated with the contract and that arrangements with certified DBEs have been made prior to SOQ and/or Task Order proposal submission.


Signature
Jeffery M. Schaper
Printed Name

Feb. 29, 2024
Date
President
Title

SOQ SUBMITTAL CHECKLIST

Place a check mark on the left side of the table indicating compliance with the following:

☒	Required Page Limit Met
☒	One PDF Document no larger than 15 MB
☒	All Amendments Included
☒	Introduction Letter (Including all required elements/statements)
☒	SOQ Proposal Formatted According to Requirements Listed in Part C and any applicable amendments
☒	Correct SOQ Certification List Signed and Dated by a Principal or Officer of the Firm
☒	Completed Consultant Information Page (Including listing DBE firms, if applicable)
☒	Supplemental Services Disclosure Form (REQUIRED for Supplemental Services Contract)
☒	All Subconsultants & Proposed Work Type (Including listing DBE firms, if applicable)
☒	Any Additional Required Documents (Specific Requirements in RFQ such as Resumes, etc.)
☒	Commenting or User Rights Feature Enabled in SOQ PDF Document
☒	DBE Goal Assurance/Goal Declaration completed

NOTE: This page is not evaluated by the Selection Panel but is used by Engineering Consultants Section for administrative purposes.