

STATEMENT OF QUALIFICATIONS

KINGMAN-ASH FORK HIGHWAY (I-40)

US 93/I-40 WEST KINGMAN TI

Construction Administration Services

Mohave County

ADOT Project No. H7993 01C

Contract No. 2024-011

November 30, 2023

Arizona Department of Transportation
Engineering Consultants Section
205 South 17th Avenue, Mail Drop 616E
Phoenix, AZ 85007
Email Submission: ECSSOQ@azdot.gov

Dear ADOT and Selection Panel Members:

Consultant Engineering, Inc. (CEI) is extremely **interested** in providing construction administration (CA) services for the US 93/I-40 West Kingman TI project.

As the **prime firm**, CEI commits to providing the **key personnel identified in our SOQ to the extent necessary to meet ADOT's quality, budget and schedule expectations** under this contract.

CEI is **licensed with the Arizona State Board of Technical Registration (AZBTR #10032)**, and pre-qualified with ADOT (UTRACS #10192).

CEI is not a Disadvantaged Business Enterprise (DBE). Although there is no DBE goal established for this contract, **Civil Solutions Engineering and Management, LLC** and **WinTech Services, LLC** are both **Arizona DBEs certified** to perform their proposed services; they are also both UTRACS-registered. The remaining consultants are pre-qualified, properly registered with UTRACS and with the AZBTR. CEI has verification from our subconsultants that none are priming this contract individually.



10625 N. 25th Ave., Ste. 200 • Phoenix, AZ 85029



QUALIFICATION HIGHLIGHTS



The CEI Team is comprised of Consultant Engineering, Inc. serving as the prime firm, with subconsultants, Civil Solutions Engineering & Management, LLC (CSEM), Tristar Engineering and Management, Inc., Quality Testing, LLC (QT), HDR Construction Control Corporation (HDR) and WinTech Services, LLC. **We are PREPARED, AVAILABLE and READY to take on the US 93/I-40 West Kingman TI project.**



We have researched the **US 93/I-40 WEST KINGMAN TI PROJECT** by visiting with ADOT staff prior to advertisement and visited the project area to gain a better understanding of the site conditions, traffic in the area, City of Kingman cross streets, utilities and other project features that need to be addressed before construction begins and those that are critical during construction.



QUALIFIED STAFF: We have assembled a team of highly experienced, ethical, professional and qualified key personnel to assist the ADOT Northwest (NW) District. CEI and our subconsultants are providing key personnel with the required qualifications to handle each classification shown in the Request for Qualification's (RFQ) scope.

- **Barry Brown, PE, will be CEI's Project (Contract) Manager.** With more than 40 years of CA experience in Arizona, he will ensure that ADOT is receiving excellent customer service and staff meets and/or exceeds ADOT's performance expectations. Barry will act as the Interim Senior Resident Engineer (SRE) and be on site until John Halvarson comes off the Broadway Curve project.
- **John Halvarson, PE/CSEM** will serve as the **SRE**. He has 16 years of experience, all of which have been on ADOT projects, including seven years as an ADOT SRE, RE and S9. He is currently the SRE on the \$616M I-10 Broadway Curve project, which involves complex freeway interchanges. He is committed to ADOT to be on that project until August 2024; however, he will be involved virtually in all meetings and digital communications until he transitions full-time and on site.
- **Del Whittington/CSEM** will lead the **S9 Project Supervisor** responsibilities for the **structures**, while **Roger Clark/CEI** will be the **S9 Project Supervisor** for the **roadway** portions of the project. Both are former ADOT inspectors, and together they offer nearly 50 years of experience.
- **Ryan Gross/Tristar** and **Russ DiVincenzo/CEI** will serve as the **S7 Inspectors** for roadway and structures, respectively. Both are Kingman residents and former ADOT NW District Inspectors. QT will provide an **S7 Materials Coordinator/Adam Trujillo** and **Lab Tech/Stephan Rodriquez**. Both possess ADOT experience and industry certifications in ACI and ATTI to perform their roles.
- **Dorinda Winrow** from **WinTech** will serve as the S7 Field Office Manager, bringing her 30+ years in ADOT construction administration documentation. She also worked in the NW District/Kingman Office for five years as an ADOT employee administering numerous projects from NTP through final close-out.
- CEI will provide the **Schedule Reviewer, Dan Ross**, who is a Master Scheduler and a Chief Estimator with more than 40 years of experience in heavy civil construction. He has been utilizing Primavera since its conception to the current P6 programming software.




EXPERIENCE: Our capabilities are supported by projects that demonstrate our firm's experience and key personnel involvement. Notable projects include the I-10 Broadway Curve, SR 202L South Mountain Freeway, as well as the federally funded Northern Parkway Agua Fria Bridges and Frontage Roads project in Maricopa County. Each were constructed under ADOT oversight for funding, design, specifications and in compliance with FHWA requirements.

We are confident that you will find that the CEI Team can provide ADOT with an unparalleled team of experience and resources to successfully administer the construction contract for the US 93/I-40 West Kingman TI project. As a company officer and Project Principal, I, John Patterson, PE, will commit all personnel and resources necessary for this exciting project.

Sincerely,

Consultant Engineering, Inc.




John Patterson, PE (AZ BTR #21712)
Chief Executive Officer, Project Principal
602.319.5678 (cell) | jpatterson@cei-az.com




Barry Brown, PE (AZ BTR Civil PE #22178)
Project (Contract) Manager
602.885.9898 (cell) | bbrown@cei-az.com



Engineering Consultants Section SOQ Proposal Certifications Form

Contract #: 2024-011

Consultant Name: Consultant Engineering, Inc.

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.**

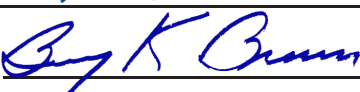
Submission of the SOQ by the Consultant certifies that to the best of its knowledge:

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: Barry Brown, PE

Title: Project (Contract) Manager

Signature: 

Date: November 30, 2023



**ARIZONA DEPARTMENT OF TRANSPORTATION
ENGINEERING CONSULTANTS SECTION
PARTICIPATION IN BOYCOTT OF ISRAEL - CONSULTANT CERTIFICATION FORM
ADOT ECS Contract No.: 2024-011**

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.

Consultant Engineering, Inc.	
Company Name	Signature of Person Authorized to Sign
10625 N. 25th Avenue, Ste. 200	Barry Brown, PE
Address	Printed Name
Phoenix AZ 85029	Project (Contract) Manager November 30, 2023
City State Zip	Title Date



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:

<input checked="" type="checkbox"/>	The Company submitting this Offer does not use, and agrees not to use during the term of the contract, any of the following: <ul style="list-style-type: none"> • 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.
<input type="checkbox"/>	The Company submitting this Offer does participate in use of Forced Uyghurs Labor as described in A.R.S. § 35-394.
<input type="checkbox"/>	Exempt Consultant. Indicate which of the following statements applies to this Consultant (may be more than one): <ul style="list-style-type: none"> <input type="checkbox"/> Consultant is a sole proprietorship; <input type="checkbox"/> Consultant has fewer than ten (10) employees; and/or <input type="checkbox"/> Consultant is a non-profit organization.

Consultant Engineering, Inc.

Company Name

10625 N. 25th Avenue, Ste. 200

Address

Phoenix

City

AZ

State

85029

Zip

Signature of Person Authorized to Sign

Barry Brown, PE

Printed Name

Project (Contract) Manager

Title

2024-011

ADOT ECS Contract No: 20XX-XXX

Forced Labor of Ethnic Uyghurs Ban Certification Form (rev 10-2022)

1A UNDERSTANDING OF THE TASKS INVOLVED

Project Purpose: The US 93 (future I-11) corridor experiences significant traffic as the direct connection between Phoenix and Las Vegas. The existing I-40 connection to NB US 93 is a service traffic Interchange (TI) connection at the Beale Street TI. ADOT with input from the FHWA have designed a new system TI to directly connect US 93 with I-40, creating a free-flowing connection without having to stop at a traffic signal. In addition, new general-purpose lanes along I-40 will be added to alleviate traffic congestion and enhance safety along this critical corridor.

The I-40 segment between Beale Street and Stockton Road currently serves over 40,000 vehicles per day (vpd) with 30,000 vpd using the US 93 north of I-40. The level of service (LOS) based on the current capacity is unsatisfactorily for the existing infrastructure and this project provides the improvements needed to meet the existing and future traffic demands.

The construction of this project is using the design-bid-build delivery method and is scheduled to be advertised in mid-December 2023. Construction is anticipated to begin near the end of May or first of June 2024. However, our Team will be ready by March 2024. The CEI Team will work as an extension of ADOT's Northwest District, and ensure the project is constructed per the contract documents while maintaining the scope, schedule and budget. Our **Project/Contract Manager (P/CM)/Barry Brown, PE**, and **Sr. Resident Engineer (SRE)/John Halvarson, PE**, will carefully monitor the contractor's budget as well as CEI's budget.

Project's Tasks & Resolutions: Management and administration for all tasks begins at the top. Leadership, which provides guidance, mentoring, and direction, are fundamental to a successful project. Barry and John will provide such leadership through their technical and tested collaborative skills developed over many years of experience. General tasks they will oversee:

- Development of a fee schedule
- Staffing Plan based on contractor schedule
- Safety and staff coordination meetings
- NOI/SWPPP review/environmental compliance
- Coordination with stakeholders — ADOT, City of Kingman (COK), utility companies and Mohave County.
- Prepare and coordinate all meetings (including above stakeholders)
- Federal compliance, including all materials testing compliance
- Partner with the contractor on all issues - seek a win-win solution
- Constant communication with staff and contractor
- Review and provide feedback to schedule and monthly updates
- Maintain budget of ADOT, CEI Team and contractor
- Ensure specifications and plans are enforced and understood
- Negotiate and prepare supplemental agreements
- Perform all project close-out activities

In preparation for this project, we have reviewed the project scope, met with ADOT staff, and visited the site. The following are some of the major project tasks. These are discussed in detail and their resolutions:

Federal Funding Compliance: Our Team has experience working with federal regulations and understands the significance of ADOT's Stewardship and Oversight Agreement with FHWA. We understand this project has qualified for increased federal share due to the implementation of Smart Work Zones and high-density asphalt. **Resolution**—Dorinda Winrow will verify compliance with all state and federal requirements such as Commercially Useful Function, wage decision compliance, employee interviews, LCPTracker to review payrolls, approval of subcontractors, prompt pay requirements, and Buy America certifications. CEI will ensure the project bulletin board is placed on site before work begins and is maintained current throughout the life of the project. We will also monitor the contractor's On-the-Job Training (OJT) program and will coordinate with ADOT's Business

Engagement Compliance Office to reimburse the contractor for all approved OJT hours.

Critical Path Method (CPM) Schedule Review: With a project this size, the schedule requirements will be a Level 3. A thorough review of the baseline schedule is critical for ensuring the project's completion within contract time. A comprehensive review of baseline schedule will include, but is not limited to, ensuring all submittals and their review/revision times are accounted for, reflecting any long lead items, ensuring the entire scope of the project and their related quantities/efforts are accounted for, analyzing baseline activities and their production rates and resource loading, analyzing logic ties, ensuring MOT phasing/requirements are captured, ensuring project milestones are being achieved, and noting any possible weather impacts to name a few.



Subsequent in-depth reviews of the monthly schedule updates during the progression of the project are also vital to confirm the project is on track, assist with coordination with other nearby projects, keep the community and all project stakeholders informed, and ensure proper staffing at the project level as well auxiliary staffing away from the project such as the Regional Lab and Central Lab. **Resolution**—The Critical Path Method (CPM) schedule will be reviewed by Project Schedule Reviewer, Dan Ross who has taught, trained and utilized Primavera for ADOT and other agencies. He will work directly with SRE/John Halvarson, who also has experience with similar recent experience on projects both in size and scope and will bring his lessons learned to ensure the project schedule is properly reviewed, approved, and reliable.

Public Involvement & Community Relations: Our team understands the importance of timely and constant communication, along with updates of schedules changes in order to build public trust. John and Barry will work with the contractor to develop proactive planning so they can provide the ADOT Public Information Officer timely and correct information regarding the contractor's schedule, business access, and anticipated traffic impacts. Our goal is a partnership that creates a positive environment in the COK with these improvements. We will work with ADOT to draft, review and approve as necessary traffic alerts or other public communication. **Resolution**—John and Barry will respond quickly to all public concerns and make adjustments to traffic control restrictions or construction impacts if possible. They will enter traffic restrictions into ADOT's ERS (Event Report System) in a timely manner.

Quality Assurance: As part of our construction oversight, all materials will be sampled and tested to meet the frequencies in accordance with the ADOT Materials Quality Assurance Program. We understand there are several projects occurring in the region during this project lifetime (660 days), and the ADOT Lab will be busy. If needed, CEI and our subconsultants have available staff to supplement the ADOT Lab to ensure the staff is not overwhelmed; our sub, QT, has the ability to establish a mobile laboratory if needed. We will document and record all certifications of compliance and verify all necessary information is correct. **Resolution**—John, Barry and Adam Trujillo/Materials Coordinator will ensure all inspector test results are uploaded into FAST and keep organized records throughout construction. All this is to ensure our materials closeout on the project is straightforward, quick and to ADOT's satisfaction.

Partnering: Project success is dependent on the good working relationships between the contractor and construction oversight staff as well as buy-in from all of the project's major stakeholders. Our Team has an extensive background with the ADOT partnering process and are recipients of several *Partnering Spirit and Excellence Awards* on numerous projects. At the beginning of the project our

team will work with the contractor to host a Partnering Workshop, followed by a Pre-construction Conference to identify the team's projects goals. **One item at the Workshop will be to identify and establish an Escalation Ladder for issue resolution.**

Resolution—John and Barry recognize we only bring one side of the partnering relationship. Our team is committed to fostering professional working relationships with the contractor by ensuring our team holds true to the common goals of quality, teamwork, communication, issue resolution, and schedule management. We are committed to working with the contractor to identify both workplace partnership activities as well as facilitating after hours activities so the team can develop relationships built on trust and understanding while maintaining professional expectations.

1B UNDERSTANDING & APPROACH TO TECHNICAL INSTITUTIONAL ELEMENTS

In addition to the tasks outlined in 1A, we have also identified some project issues/risks and our countermeasures. CEI's understanding and approach to managing/mitigating project risks is consistent communication and proactive measures from our staff with the appropriate stakeholder as early as possible to prevent any additional costs or schedule delays. Both John and Barry have significant experience in mitigating high risk ADOT projects and providing practical solutions to challenges faced on projects.

UNDERSTANDING PROJECT ISSUES & RISKS

WATERLINE RELOCATION: The COK waterline requires relocation by the contractor prior to construction of the White Cliff Road bridge widening. The waterline is also very shallow and exposed along White Cliff Road. A shutdown will need to be coordinated to allow for this relocation. **IMPACT:** Schedule

MITIGATION STRATEGIES/COUNTER MEASURES:

- Coordinate with COK early to identify shut down windows.
- Review contractor's schedule to identify waterline relocation.
- Review contractor's plan for waterline work to ensure it is completed within shut down window.
- Ensure contractor has plan to protect waterline during construction and not damage exposed waterline.

ARCHAEOLOGICAL: While not in direct conflict with the project, there is a archaeological site within the project right of way.

IMPACT: Environmental/Schedule/Costs

MITIGATION STRATEGIES/COUNTER MEASURES:

- Ensure contractor is aware cultural site locations.
- Work with ADOT's environmental sub to flag site.
- If artifacts are uncovered, stop work immediately and contact ADOT Environmental Section.

BILLBOARD RELOCATION: A billboard along US 93 requires relocation; its new location will need to be identified prior to beginning work in the area. **IMPACT:** Schedule/Coordination

MITIGATION STRATEGIES/COUNTER MEASURES:

- Review contractor's schedule for billboard relocation
- Coordinate with billboard owner early to identify relocation location and schedule

WHITE CLIFF ROAD Bridge Widening: Bridge widening was complete using record drawings and survey was not obtained to ensure elevation tie-ins match; possible elevation adjustments may be required. **IMPACT:** Cost/Schedule

MITIGATION STRATEGIES/COUNTER MEASURES:

- Work with contractor to survey existing bridges early on.
- Provide ADOT Bridge Group survey information for verification.
- Closely monitor bridge tie-ins with contractor and notify ADOT Bridge Group of any discrepancies,

BLASTING (POSSIBLY REQUIRED): Roadway alignments require cut through rocky conditions. Blasting may be required by the contractor which will impact traffic operations and site safety. CEI's engineers and technicians have experience with blasting operations on ADOT projects. **IMPACT:** Safety/Traffic.

MITIGATION STRATEGIES/COUNTER MEASURES:

- Work with contractor to identify if blasting is necessary early on.
- Ensure contractor develops blasting plan for review early on.
- Review blasting plan with ADOT to ensure both traffic and site safety is maintained.

MAINTENANCE OF TRAFFIC (MOT) & PHASING: Any detours through COK would result in significant traffic disruption. This stretch of I-40 and US 93 is critical to ADOT for regional public mobility. Median paves are a crucial aspect of phasing and maintaining traffic. Planning, testing and inspecting will be paramount for paving plans. **IMPACT:** Traffic/Safety

MITIGATION STRATEGIES/COUNTER MEASURES:

- Verify contractor is always following approved MOT requirements
- Utilize Smart Work Zone information to minimize congestion.
- Work with District and Regional traffic to coordinate freeway/roadway restrictions.
- No full closures on I-40 and US 93
- Develop phasing to keep traffic flowing, avoid detours.
- Coordination of all phasing and traffic restrictions with all stakeholders.
- Review and approve Traffic Control Plans
- Check all traffic control set-ups for proper device placement.
- Timely notice to public for all restrictions.

MAJOR BRIDGE CONSTRUCTION: The project's several new bridges and flyover of I-40 will be on the contractor's critical path. **IMPACT:** Schedule/Cost

MITIGATION STRATEGIES/COUNTER MEASURES:

- John Halvarson has current and recent experience managing construction projects with major bridge components. He is supported by our S9 Project Supervisor/Structures, Del Whittington, who also has recent experience in bridge construction and will ensure inspectors are working closely with the contractor to ensure no mistakes are in the bridge construction and layouts.
- Foundation layout is critical, including the deck grades, build-up and camber deflections, setting of screed, etc.
- Identify girder supplier at the Pre-construction Conference.
- Inspection location and time frame will be coordinated with Central Lab for girders and overhead sign structures.
- Review CPM schedule monthly with contractor and identify any slippage related to submittals and deliveries.

CA Services: The CEI Team will lead the CA services and address the following items that are necessary and critical on any project:

- Constructability Reviews
- ADOT Policy Reviews
- Meetings: Pre-Const., Pre-Activity & Weekly Coord.
- Partnering Workshops
- Stakeholder Coordination
- Materials Acceptance
- Daily Traffic Control Reviews
- Inspection (Civil, Structural, Electrical, Landscape, Special)
- Daily Diaries/PENS
- Submittal & RFI Logs
- SWPPP Inspections
- Weekly Status Reports
- Documentation/Quantities
- Monitor Budgets
- Schedule Reviews
- Monthly PEP Evaluations
- Supplement Agreements – Prepare, get authorization and perform cost analysis
- Monitor Staffing– plan vs. schedule
- Environmental Compliance
- Utility Coordination
- Project Closeout

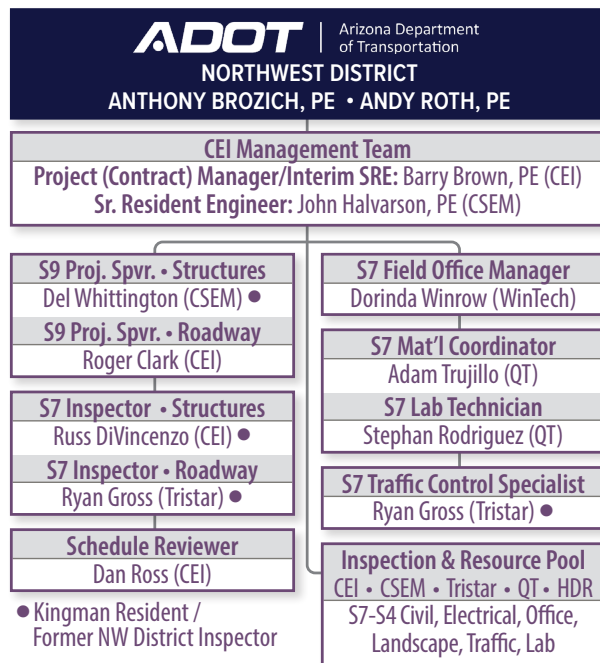
Mobilization: The CEI Team is experienced working in all areas of the state and mobilizing teams to perform CA services from NTP to final construction. Several of our key team members are residents of Kingman—S9/Del Whittington, S7/Russ DiVincenzo, and S7/Ryan Gross. All three are also former NW District inspectors. They have an excellent understanding of the area, terrain, and climate.

Since a contractor will not be bidding on this project until mid-December, it is unknown at this time when the contractor will stage its operations and field office. The contractor will provide a space for the ADOT CA team. CEI will utilize this space to conduct our administration. Our work trucks are also outfitted to serve as mobile offices with Internet connections for laptops.

The CEI Team is committed to being present in Kingman for the duration of the project. Estimated consultant contract time is at least 660 calendar days after contractor award.

2 PROJECT TEAM

Figure 3: CEI KEY TEAM MEMBER ORGANIZATION



Barry and John, along with the CEI Team, are **100% COMMITTED and AVAILABLE** to the project, as outlined in the matrix.

2A PROJECT (CONTRACT) MANAGER/INTERIM SRE

BARRY BROWN, PE, has more than 30 years of experience in Arizona as a consultant SRE and 10 years as a former ADOT RE. When the Kingman TI begins, Barry will not have any project commitments and will be available to serve as the **Project (Contract) Manager (P/CM)**. He will actively manage the project team and be ADOT's direct contact regarding staffing, contractual obligations, monthly invoicing/budget, and the CEI Team's performance. To be transparent, Barry will commence in a dual role as the Interim SRE until John Halvarson completes his assignment on the Broadway Curve. Barry will be full-time and on site, and will keep John in the loop on all actions and digital communications until they transition in August 2024. However, there will be no double-dipping on billable time.

Over the past five years, Barry has managed the construction of four AASHTO girder bridges; all were designed and constructed in accordance with ADOT standards. Two were Type V on the a federally funded Maricopa County project, and two were Type VI on a City of Tucson project. Both were local agency projects under ADOT's oversight, and, there were "no major findings" after audits by ADOT and FHWA. Barry has an excellent understanding of federally funded projects, the importance of documentation procedures and materials acceptance.

Over the course of Barry's career, he has been the P/CM and RE/SRE on over \$1B in construction costs on projects located on I-10, I-17, I-40, state routes, county roads and city streets. He has been on ADOT Temp Tech assignments and full-service CA projects over the past 30 years. *Arizona PE (Civil #22178), Educ.: BSCE.*











2B OTHER KEY PERSONNEL

JOHN HALVARSON, PE, will serve as the project's SRE. His 16 years of experience have all been on ADOT construction projects as a contractor, consultant and ADOT employee. John brings his experience serving in roles as an SRE, RE, Project Engineer, and seven years as an ADOT employee. Over the past four years, John has served as an SRE/RE on more than \$800M of ADOT urban highway reconstruction projects. This experience includes the complex I-10 federally funded Broadway Curve project in Phoenix where he's finishing up Segment 2 (I-10, 44th Street Alameda and SR 143), which includes over two miles of freeway widening of I-10 and SR 143, new construction of Collector-Distributor roads for both EB and WB traffic, and 11 new structures. He also served as an ADOT RE on the \$184M federally funded design-build of SR 101L Pima Freeway from 1-17 to Pima Road that involved 13 miles of freeway widening and reconstruction of 26 bridges. His tenure as the SRE on one of the most complex interchange projects in Arizona (over 100K vpd) makes him the ideal engineer for the US 93 Kingman TI project. **His commitment to ADOT is without question; thus, when he completes his assignment on Broadway Curve, he will be 100% available and committed to the US 93 Kingman project. He will be involved virtually in all meetings and digital communications until he transitions full-time and on site.**

John has an excellent background in team management, partnering, stakeholder coordination, and serves as a steward of ADOT principles. *Arizona PE (Civil #54638), ATSSA Supervisor, Educ.: BSCE.*

Brief qualifications of **other key personnel** are in **Section 2c Experience Matrix**, supported by their resumes as attachments.

2C EXPERIENCE MATRIX

Key Team Member, License/Certs (Company Affiliation) Role • Work Location • % Time Commitment • % Available	Yrs. Exp.	Current Project Commitments	Two Relevant Projects, Contract Value & Owner (ADOT Values are Tracs Nos. Invoiced)	Value Added Benefits Key Personnel Offers
 BARRY BROWN, PE (AZ #22178) (CEI) PROJECT (CONTRACT) MANAGER/INTERIM RE WORK LOCATION: KINGMAN/PHOENIX 100% Commitment • 100% Available	40	FCDMC Buckeye Dam: 50% thru 2/2024	<ul style="list-style-type: none"> • SRE: Northern Pkwy. Frontage Roads, Dysart to 111th Ave. & AASHTO Bridges over Agua Fria River, \$5.1M, MCDOT • SRE: Houghton Road AASHTO Bridges, \$1.6M, City of Tucson <i>Both projects included ADOT design standards and oversight.</i> 	<ul style="list-style-type: none"> • Managed construction of ADOT roadway & bridge projects in urban and rural areas in various part of the state • ADOT RE (10 yrs.)/Consultant SRE (30 yrs.)
 JOHN HALVARSON, PE (AZ #54638), ATSSA, ECC (CSEM) RESIDENT ENGINEER WORK LOCATION: KINGMAN/PHOENIX 100% Commitment • 50-75% Available Remote until 8-31-24 / 100% On Site (starting 9-1-2024)	16	I-10 Broadway Curve, 100% in person until 8-31-2024	<ul style="list-style-type: none"> • RE: I-10 Broadway Curve (F007201C), \$2.9M, ADOT/CSEM is a sub to GEC • RE: SR 101L, I-17 to Pima Rd., D-B (F012101C), \$735K, ADOT 	<ul style="list-style-type: none"> • Former ADOT SRE, RE and Proj. Spvsr. • Current and recent ADOT bridge, freeway and TI reconstruction
 DEL WHITTINGTON , ACI, ATTI, ATSSA, ECC (CSEM) S9 PROJECT SUPERVISOR (PS) • STRUCTURES WORK LOCATION: KINGMAN 100% Commitment • 100% Available	24	ADOT Temporary Technical Services, 100% until 5/30/24	<ul style="list-style-type: none"> • S9 PS: US 93 Carrow - Stephens (H823201C), Contract Value N/A, Del was ADOT NW District employee • S9 PS: I-40 Silver Springs Road - Willow TI (H893201C), Contract Value N/A, Del was ADOT NW District employee 	<ul style="list-style-type: none"> • Kingman Resident • 19 years as former ADOT NW Dist. inspector, including 11+ years as S9 • Extremely knowledgeable with ADOT policies, procedures and programs
 ROGER CLARK , ACI, ATTI, ATSSA, ECC (CEI) S9 PROJECT SUPERVISOR (PS) • ROADWAY WORK LOCATION: KINGMAN 100% Commitment • 100% Available	25	No current project commitments	<ul style="list-style-type: none"> • S9 PS: I-17 McConnell Bridge (F020701C), \$69K, ADOT • S9 PS: I-40/I-17 Walnut Canyon (F018501C), \$50K, ADOT 	<ul style="list-style-type: none"> • 20 years as former ADOT NE Dist. inspector, including 12 years as S9 • Team supervision/scheduling • ADOT highway and bridge reconstruction
 DORINDA WINROW (WinTECH) S7 FIELD OFFICE MANAGER (FOM) WORK LOCATION: KINGMAN/GOODYEAR 100% Commitment • 100% Available	39	Town of Gilbert Lindsay Rd., minimal hrs. thru 2024.	<ul style="list-style-type: none"> • S7 FOM: I-10 Verrado-Watson Widening (F11901C), Contract Value (\$475), ADOT (employed by CSEM during project) • S7 FOM: SR 101L Widening, I-17 to Princess (F012101C), \$735K, ADOT (employed by CSEM during project) 	<ul style="list-style-type: none"> • Former ADOT Transp. Eng. Specialist • ADOT/Federal Prog.: SATS, CPE, PEN5 LCPtracker, Davis-Bacon, BECO, DOORS • Project Close-out Procedures
 RUSS DIVINCENZO , ACI, ATTI, ATSSA (CEI) S7 INSPECTOR • STRUCTURES WORK LOCATION: KINGMAN 100% Commitment • 100% Available	40	I-15 Virgin River Bridge No. 1 thru 1/2024	<ul style="list-style-type: none"> • Sr. Insp: Northern Pkwy. Frontage Roads, Dysart to 111th Ave. & AASHTO Bridges over Agua Fria River, \$5.1M, MCDOT • S7 Insp.: I-15 Virgin River Bridge No. 1 (H876001C), \$678K, ADOT 	<ul style="list-style-type: none"> • Kingman Resident • 17 years as former ADOT NW Dist. S9 PS and S7 Insp.; 8 years in SW Dist (S7, S6, S5). • Bridge and highway reconstruction projects on US 93 and I-40.
 RYAN GROSS , ACI, ATTI, ATSSA, ECC (TRISTAR) S7 INSPECTOR & S7 TRAFFIC CONTROL SPEC. • ROADWAY WORK LOCATION: KINGMAN 100% Commitment • 100% Available	29	ADOT Temp Tech: Tonto Creek Bridge, Globe Sidewalks, 100% thru 8/2024	<ul style="list-style-type: none"> • S7 Insp.: I-40 Bridge Deck Rehab. (F016201C), \$110K, ADOT • S7 Insp.: I-40 Audley Wash Bridges (H882001C), \$76K, ADOT 	<ul style="list-style-type: none"> • Kingman Resident • 11 years as former ADOT NW Dist. Insp. • US 93 and I-40 bridge and highway exp. • ADOT highway and bridge reconstruction
 ADAM TRUJILLO , ACI, ATTI, ATSSA, ECC (QT) S7 MATERIALS COORDINATOR WORK LOCATION: KINGMAN 100% Commitment • 100% Available	25	Virgin River Bridge, 100% thru 3/1/2024	<ul style="list-style-type: none"> • S7 Lab Spvsr/S6 Insp.: I-15 Virgin River Bridge #1 (H876001C), \$1.5M, ADOT • IA Tech: NE Dist. Projects (F010901C, F008801C, F020101C, F027901C, F014401C, H894301C, H894501C), \$160K, ADOT 	<ul style="list-style-type: none"> • All experience has been on ADOT projects • Hands-on experience as materials coordinator, lab technician, hot plant inspector, and field inspector
 STEPHAN RODRIGUEZ , ACI, ATTI (QT) S7 LAB TECHNICIAN WORK LOCATION: KINGMAN 100% Commitment • 100% Available	8	Littlefield TI Permit Inspection, 100% thru 12/31/2023	<ul style="list-style-type: none"> • Const. Insp.: Littlefield TI Improvement (ADOT Permit No. 121137), \$250K, Conners and Gaskins Unlimited • Lab Spvsr.: McMicken Dam Rehabilitation, \$500K, FCDMC 	<ul style="list-style-type: none"> • ADOT Lab Tech/Supervisor experience • Certified to perform QA tests on all construction materials • Former contractor overseeing QC activities
 DAN ROSS (CEI) SCHEDULE REVIEWER WORK LOCATION: PHOENIX 50% Commitment • 50% Available	42	City of Tucson Downtown Links: 1% thru 12/2024.	<ul style="list-style-type: none"> • Scheduler: Northern Pkwy. Frontage Roads, Dysart to 111th Ave. & AASHTO Bridges over Agua Fria River, \$5.1M, MCDOT • Scheduler: Downtown Links Phase III, \$3.5M, City of Tucson 	<ul style="list-style-type: none"> • Master Scheduler & Chief Estimator • Supports CEI's REs and clients • Reviews contractor's baseline schedules • Reviews for risks and input for solutions

3A RECENT RELEVANT EXPERIENCE

CEI has a 27-year history of providing CA&I services on federally funded projects to ADOT and Arizona public agencies. We have identified four relevant projects that demonstrate our experience on ADOT bridge and roadway projects, key team member involvement, and projects where key team members and subconsultant have worked together.

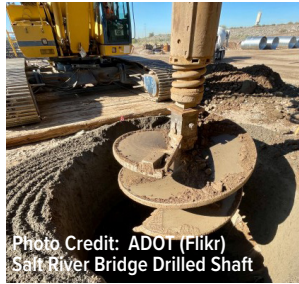


Photo Credit: ADOT (Flickr)
Salt River Bridge Drilled Shaft

ADOT

Role: Prime (ADOT Temp Tech)
Contract Amount: \$1.03M
Reference: Julie Gadsby, PE, ADOT Construction Manager, Alternative Delivery & Major Projects Division
jgadsby@azdot.gov, 602.768.2167

ADOT

Role: Prime (ADOT Temp Tech)
Contract Amount: \$678K
Reference: Cordell Yazzie, Sr. RE, ADOT Northcentral District,
cyazzie@azdot.gov, 928.714.2225



MCDOT

Role: Prime
Contract Amount: \$5.1M
Reference: Bonnie Perotti, PE, MCDOT Project Monitor, bonnie.perotti@maricopa.gov, 602.506.4618

*2021 ADOT Partnering
Excellence Award Recipient*



ADOT

Role: Subconsultant
Contract Amount: \$8.9M
Reference: Julie Gadsby, PE, ADOT Construction Manager, Alternative Delivery & Major Projects Division
jgadsby@azdot.gov, 602.768.2167



Photo Credit: ADOT (Flickr)

- ADOT's Temp Tech program has allowed many CEI staff and key team members to work on relevant projects that were assigned to us under our prime Temp Tech contract, two of which are described below.
- CEI has managed projects for other agencies that were federally funded and were designed and constructed in accordance with ADOT plans, specifications and oversight.

- CEI was an integral team member for the General Engineering Consultant (GEC) on the new South Mountain Freeway, providing up to 20 staff for more than four years.
- CEI, our subconsultants, and all proposed team members have experience working on ADOT and local government agency projects that involve roadways, bridges, major/minor concrete structures, walls, utilities, drainage, electrical and landscape scope items.

I-10 BROADWAY CURVE, I-17 SPLIT TO SR 202L (F007201C), MARICOPA COUNTY, AZ

CEI provided an RE and MOT Coordinator for this **\$616M DB/P3 project** (through our ADOT Temp Tech contract) that widens 11 miles of urban interstate freeway in the heart of Phoenix and Tempe. The massive and complex scope adds multiple general purpose and HOV lanes in each direction along with **major bridge construction**. Major cross street reconstruction was also part of the scope in several areas in Phoenix and Tempe. CEI team members worked on Segment 3 (I-10, 44th Street to Alameda Drive) and with CSEM's John Halvarson on Segment 2. **Eleven new structures were constructed in Segment 2 to facilitate the newly designed I-10/SR 143 interchange.**

Key Staff/Role: CEI–B. Brown (Principal); one MOT Coordinator; one RE/Utility Permits & Design Reviewer; CSEM (sub to GEC) – J. Halvarson (SRE)

I-15 LITTLEFIELD-MESQUITE HIGHWAY (H876001C), MOHAVE COUNTY, AZ

Under CEI's Temp Tech contract, an S9 Project Supervisor and an S7 Inspector/Russ DiVincenzo were assigned to this **\$56M bridge replacement** project in a pristine area in the far northwest corner of Arizona in **Mohave County**. Our subconsultant, QT, under their own prime Temp Tech contract, also provided a technician/Adam Trujillo. The work involved replacing the 5-span, steel girder Virgin River Bridge No. 1 (Structure #1089) with a 3-span, steel girder superstructure with a new substructure. Work also includes the reconstruction of the main line to match the new bridge section, including new AC pavement with AR-ACFC overlay, and other related work. The project started in 2021 and is expected to be substantially complete in January 2024.

Key Staff/Role: CEI–B. Brown (Principal); R. DiVincenzo (S7 Bridge Inspector); one S9 Project Supervisor QT–A. Trujillo (S7 Lab Tech/S6 Inspector)

NORTHERN PARKWAY BRIDGES & FRONTAGE ROADS, DYSART TO 111TH AVENUE, MARICOPA CO, AZ

CEI provided CA&I services for the construction of two new 5-span **AASHTO girder Type V bridges** over the Agua Fria River and two new EB/WB 2-lane frontage roads parallel to the existing Northern Avenue alignment from Dysart Road to 111th Avenue (3.5 miles). This **\$44M federally funded** project was administered by MCDOT, and **contract documents were in accordance with ADOT design and construction standards and specifications** (TRACS SZ046 01C, Federal STP-MMA-0(239)F). Unique and the first for MCDOT, ADOT and CEI, a federal 2-wage decision process was followed to accurately document the contractor's labor and wage reporting. CEI's SRE, Barry Brown, and Field Office Manager were instrumental in establishing the documentation process that resulted in "no findings" by a federal audit; the project was closed out successfully.

Key Staff/Role: CEI–B. Brown (SRE, Project/Contract Manager); R. DiVincenzo (Lead Inspector-Roads/Structures); D. Ross/Schedule Reviewer; Tristar–One Assistant RE and two senior inspectors. QT–Materials QA lab and technicians.

SR 202L SOUTH MOUNTAIN FREEWAY (H882701C), MARICOPA COUNTY, AZ

CEI provided 20 staff to ADOT's GEC for construction of this new freeway, the state's first P3-delivered project. More than a dozen inspectors, field office and payroll specialists, an environmental specialist, a permit supervisor, and an RE worked on this project for more than 3 years on the TIs located in the Salt River and Center segments. The \$1.8B project involved 22 miles of new freeway alignment, 14 TIs, 40 bridges, five wildlife crossings, a pedestrian bridge, and a shared-use path. CEI's inspectors performed owner verification inspections for all work in all four segments of this project, including the major structure items, such as drilled shafts, diaphragms, AASHTO girders, slope paving, MSE walls, barrier walls, and multi-barrel concrete box culverts and storm drain systems. Inspections were also performed on all concrete and asphalt paving, including pavement markings and signage.

Key Staff/Role: CEI–B. Brown (Principal) and up to 20 staff; Tristar–SRE and RE; QT–Project Quality Plan & 3 Inspectors; HDR–GEC

3B YEARS IN BUSINESS, RESOURCES, CAPACITY & WORKLOAD

CEI was established more than 27 years ago as an Arizona-owned and operated professional engineering firm (AZBTR #10032). We are an Arizona "S" corporation, and insured by a company with an A+ rating to transact business in Arizona. CEI is a solid financial company, rated "3A" by Dun & Bradstreet.

RESOURCES: CEI has an in-house Arizona CA&I staff of 120. Through strategic teaming with our subconsultants, CEI's Team is able to provide ADOT resources totaling more than 300 personnel in varying classifications and expertise.

EQUIPMENT: We will provide all of our team members the necessary equipment to perform their work, including laptops, vehicles, safety personal protective equipment, inspection equipment and tools. At least 25 laptops will be provided to ADOT for software configuration; after close-out, software will be removed by ADOT.

CAPACITY & WORKLOAD: It is anticipated that ADOT will require up to 11 key staff from the consultant to administer the contract, and additional S7-S4 technician support depending on the contractor's schedule and workload demands. **The CEI Team will meet ADOT's staffing goals and be able to provide staff as needed while maintaining our approved budget.**

Our P/CM, Barry Brown, and SRE, John Halvarson, will work with NW District's Assistant District Engineer, Andy Roth and the District Administrator, Anthony Brozich, to ensure we are using our staff efficiently based on the contractor's schedule and workload.

THE CEI TEAM DOES NOT NEED TO "STAFF UP" FOR THIS CONTRACT.

3C QUALITY PROGRAM APPROACH

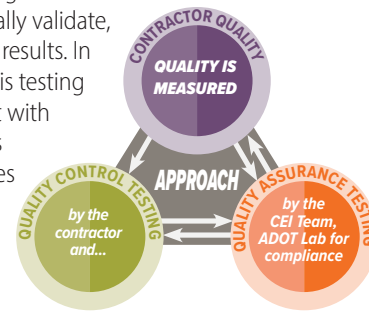
The CEI Team will mirror ADOT's Quality Program for this project. With our staff's years of ADOT experience, particularly with the NW District. There are several processes that the CEI Team will follow and/or lead to ensure that the Quality Program goals are met.

FORMS, DOCUMENTATION & PROGRAMS: Our Team will not produce or submit documentation without a secondary independent review and double-checking data. Our staff will utilize their experience and training with ADOT's programs, forms and checklists to ensure consistency when developing and recording all documents by using:

- ADOT Construction Manual
- Materials Testing Manual
- Policies Procedures Directive Manual
- PEN5 for inspector documentation
- FAST for materials

- Quantlist to check performance against the specifications
- CPE for pay estimate documentation of quantities
- Sample Checklist for testing frequencies
- ADOT forms for tack, asphalt yield sheets, drilled shaft depths, incentive payments for AC/PCCP, and employee interviews
- Cert Log to track all certs against the specifications
- ADOT Traffic Control Supplement to MUTCD and Reports
- Federal Compliance and Arizona BECO regulations
- Numerous other crucial manuals, QC checklists and references to avoid mistakes and rework

QUALITY APPROACH: CEI supports a two-pronged approach to contractor quality with regard to materials testing. The QC testing is intended to control construction activities and processes in real time, whereas the QA testing is intended for acceptance and to statistically validate, or reinforce, the QC testing results. In addition to coordinating this testing program, CEI can also assist with development of a Materials Sampling Plan that identifies the number and type of tests to be performed by QC and QA. We will also summarize all results at project conclusion.



MATERIALS: Must meet Section 106 requirements, based on Sample Checklist, Materials Testing Manual & PPD Manual. Materials Coordinator to enforce frequency testing, maintain Certification Log and comply with "Buy America" regulations.

MEETINGS. To avoid major issues and to keep all project stakeholders informed about the project's progress, there are many meetings that our P/CM and SRE will lead and attend, examples include:

- Partnering Workshop/Pre-construction Conference
- Utility Coordination Meetings
- Pre-activity Meetings
- Weekly Construction Meetings
- Pay Estimate Review Meetings
- Weekly Staff/Safety Meetings (including Training Meetings to improve quality processes in order to maintain a high level of service throughout the project's duration)

Equally important, our field staff will maintain constant communication with Barry and John to understand job priorities and performance expectations. The communication will require both parties to listen and act upon the directions, guidance and mentoring. This will hold true with the contractor and other stakeholders as well. We plan to be one synergistic quality team.

3D SUBCONSULTANTS



Civil Solutions Engineering & Management, LLC (CSEM) was formed in 2016, and is an ADOT-certified DBE with six Arizona PEs and a growing team of inspectors and technicians. They have worked in six ADOT Districts, including the NW District. As a sub, they have worked on complex ADOT projects including the I-10 Broadway Curve and the I-17 "Flex Lanes" projects in the Central and Northcentral Districts. CSEM is providing two key team members, SRE/John Halvarson and S9/Del Whittington.



Tristar Engineering and Management, Inc., is a professional engineering firm providing CA services, and has a staff of 62. They have had a commitment of service to ADOT for the past 22 years. Tristar is providing a key S7 Inspector, Ryan Gross, who is a Kingman resident and former ADOT NW District Inspector.



Quality Testing, LLC (QT), provides services in materials coordination and testing, CA&I, and quality program development to ADOT and public agencies. Serving ADOT since 2000, QT has a solid working knowledge of ADOT-specific systems and procedures. QT will provide two key team members—S7/ Materials Coordinator, Adam Trujillo, and S7 Lab Tech/Stephan Rodriguez. QT will also be responsible for QA materials testing and coordinating with ADOT's lab. They have an Arizona staff of nearly 80, and have several materials tech call-outs in the NW District.



WinTech Services, LLC, was established in 2019 and is a certified DBE, specializing in construction contract administration and training services. WinTech will provide a key team member, S7 Field Office Manager/Dorinda Winrow. She is the company's founder and President, and has more than three decades of experience working on ADOT projects as a former ADOT employee and a consultant. While with ADOT, she spent five years in the NW District as an Office Manager overseeing projects from start through close-out.



HDR Construction Control Corporation has been providing CA services to ADOT and various public agencies for 25 years. Their Arizona forces consist of 80 engineers, inspectors, and technicians. HDR will support the CEI Team by providing S6 and S5 inspectors and testers for the US 93 Kingman project. HDR's involvement strengthens our team members working together. They worked as the GEC on South Mountain Freeway with CEI, Tristar and QT as significant subconsultants. On the SR 189 Design-Build project in Nogales, HDR was the prime CA firm and utilized CEI, Tristar and QT for inspection. Currently, HDR is working as the GEC on the I-17 Widening Improvement Project, where CSEM is a major subconsultant, and QT is providing materials testing to the contractor. They have also provided staff in ADOT's NW and NC Districts through their prime ADOT Temp Tech contract.



BARRY BROWN, PE
PROJECT (CONTRACT) MANAGER
INTERIM SR. RESIDENT ENGINEER

**COMPANY TITLE: SR. RESIDENT ENGINEER,
SR, PROJECT MANAGER**

YEARS OF EXPERIENCE:

Industry: 40 Firm: 26

EDUCATION:

BS, Civil Engineering, University of
Arizona, 1981

REGISTRATION:

Professional Engineer, AZ #22178

QUALIFICATION HIGHLIGHTS

- Hands-On Sr. Project Manager and Resident Engineer
- Project Management
- CA&I Team Management
- Former ADOT Resident Engineer
- ADOT Highway Construction
- City of Tucson Experience
- Pima County Experience
- Partnering
- Stakeholder Coordination
- Steel Plate Girder Bridges
- Concrete Bridges
- Federal Documentation/Requirements
- USACE Permits (401/404)
- Massive Earthwork Operations
- Cross Roads & Intersection Improvements
- Drainage Facilities & Systems
- Flood Control Structures
- MSE, Sound, Retaining & Noise Walls

Barry is a seasoned professional with expertise in project management and construction administration and inspection services, all of which have been in Arizona. He has managed projects for ADOT, Arizona county departments of transportation, flood control districts, and cities/towns. As the Project (Contract) Manager, Barry will actively manage the project team and be ADOT's direct contact regarding staffing, contractual obligations, monthly invoicing/budget, and the CEI Team's performance.

Over the course of Barry's career, he has been the Project (Contract) Manager, Resident Engineer (RE) and Senior Resident Engineer (SRE) on over \$1B in construction costs on projects located on I-10, I-17, I-40, state routes, county roads, and city streets. He has been on ADOT Temp Tech and full-service CA projects over the past 30 years. He is an active hands-on manager and supervises staff on construction administration and construction management projects.

REPRESENTATIVE PROJECT EXPERIENCE:

Northern Parkway, Dysart Road to 111th Avenue (TT0347), Glendale, El Mirage, and Peoria, Maricopa County, AZ (MCDOT): Sr. RE & Contract/Project Manager

This federally funded \$44M project provided accessibility to commercial and residential developments north and south of the future Northern Parkway alignment. The project was designed and constructed in accordance with ADOT plans and specifications. Construction involved new 2-lane east/westbound frontage roads from Dysart Road to 111th Avenue (3.5 miles), two new 5-span AASHTO Type V girder bridges (70 girders total) over the Agua Fria River, and intersection improvements at Dysart and El Mirage Roads. MSE walls were constructed at Dysart Road to allow for structural stability for the future bridge overpass. Approximately 26,000 LF of new storm drains (15" to 48" diameter), a reinforced concrete box culvert (5-barrel 8'x4'x513'), retention drainage basins, and concrete channels were constructed. Five new traffic signals and street lighting were installed as well. Earthwork was a major task and a significant challenge for the contractor; there was approximately 409,000 CY of excavation and 340,000 CY of borrow. The FHWA required a dual-wage payroll documentation, the first for ADOT, MCDOT, CEI and the contractor. Barry and his field office team developed a system to accurately track and document wages. A federal audit recovered "no findings" on the project, and the dual-wage documentation was accurately recorded to FHWA's standards. *CEI full-service prime CA&I contract.*

Houghton Road Widening and Bridge over the Union Pacific Railroad (UPRR), East Tucson, AZ (City of Tucson): Sr. RE & Contract/Project Manager

This project is one of nine that make up the Houghton Road Corridor in East Tucson. The \$11.3M project involved constructing two new 3-span AASHTO Type VI modified concrete girder bridges over active UPRR tracks, replacing the original bridge that was built in 1962. The spans of the bridges accommodate the two existing UPRR tracks and two future tracks. The northbound structure involved constructing a multi-use path on the east side of the bridge, which tied into the aesthetic vision of the Corridor Master Plan. Coordination was necessary with several utility companies, including the removals of gas and fiber optic lines in the UPRR right of way. The project was designed and constructed in accordance with ADOT, City of Tucson, and Pima County standards. *CEI full-service prime CA&I contract.*

Downtown Links, Phase III, 6th Street Underpass to Broadway Boulevard, Tucson, AZ (City of Tucson): Contract/Project Manager

This \$70M CMAR 1.5-mile multi-modal roadway project will link the Barraza-Aviation Parkway/Broadway Boulevard intersection and I-10, adjacent to the UPRR. This connection is intended to provide improved access and connections for pedestrians, bicyclists and motorists, as well as safer underpasses/overpasses and railroad crossings. Key project features include four lanes with medians and turn lanes; on-street bike lanes; Americans with Disabilities Act (ADA) ramps and improved sidewalks; a multi-use path; major drainage improvements; a new Tucson Arroyo box culvert; the 6th Street underpass at the UPRR; four rail crossing upgrades to establish Quiet Zone eligibility; the Maclovio Barraza Parkway overpass at 6th Avenue; the 9th Avenue deck plaza with public space, landscaping and public art; and desert landscaping/passive water harvesting throughout the project limits. *CEI full-service prime CA&I contract.*

BARRY BROWN, PE • PROJECT (CONTRACT) MANAGER / INTERIM RESIDENT ENGINEER

US 191, Guthrie Bridge (H303004C), Greenlee County, AZ (ADOT Southeast District): Sr. RE/T3

The original Guthrie Bridge over the Gila River and active UPRR tracks (built in 1950) was replaced with a new 1,000-foot-long, 8-span composite steel and concrete girder bridge, as well as significant highway improvements to realign US 191 with the new bridge. ADOT brought CEI/Barry on board during the design phase to provide value engineering input and recommendations for an innovative design, cost savings, constructibility, and scheduling concerns. Barry managed the CA&I services and the on-site materials testing subconsultant. The project involved five ADEQ Notice of Intents, USACE 401/404 permits, and strict SWPPP inspections, all of which were managed and monitored during construction. Due to Barry and his team's efficiency, the contractor delivered the project on schedule and the project was completed under budget, which resulted in ADOT saving nearly \$1M in consultant fees. *CEI full-service prime CA&I contract.*

US 60, SR 303L to 99th Avenue, El Mirage (H686601C), Youngtown and Surprise, AZ (ADOT Central District): Sr. RE/T3

Widening of US 60/Grand Avenue was a major project funded by the American Recovery and Reinvestment Act (ARRA). Approximately 10 miles of US 60 was widened to accommodate an additional through-lane in each direction. Due to the age of the original roadway and businesses located very near to the alignment, utility relocations and business access were major issues. Coordination was also required with the BNSF railroad when construction encroached into their right of way and crossings. The construction costs were approximately \$20M and it was completed 48 days ahead of schedule. *CEI full-service prime CA&I contract.*

Bell Road, Parkview Place to West City Limits (SS79101C), Surprise, AZ (ADOT/City of Surprise): Sr. RE/T3

This ARRA-funded pavement preservation project involved milling and replacement of asphaltic concrete as well as conduit installation for the ITS system and other incidental work. Barry managed the project on behalf of ADOT and was responsible for contractor payment oversight, verifying daily pay item documentation, maintaining the HCRS database for road closures and restrictions, and preparing CEMMS (manpower) weekly reports. *CEI full-service prime CA&I contract.*

I-17 Phoenix – Cordes Jct. Highway, Daisy Mountain Traffic Interchange, Anthem, AZ (Del Webb by Anthem, Pulte Home Corp): Sr. RE/T3

Barry served as the Resident Engineer for the construction of a new traffic interchange on I-17 to serve the Anthem development. The Daisy Mountain TI is located south of the Anthem Way interchange and approximately .25 miles north of Deadman's Wash. This project included roadway and drainage excavation, embankment construction, grading, new aggregate base, PCCP and AC pavement, three AASHTO girder bridges, new retaining walls, traffic signals, and drainage improvements. The developer for Anthem paid for the interchange but the plans and specifications were in accordance with ADOT design and construction standards and had ADOT oversight during the project. *CEI full-service prime CA&I contract.*

Vineyard Road Flood Retarding Structure (FRS) Rehabilitation Phases 1 & 2, Maricopa/Pinal Counties, AZ (FCDMC): Construction Manager

This federally funded project raised the Vineyard FRS by 15 feet. The first phase involved extensive earthwork; 1.2M CY were excavated and stockpiled and to be used in Phase 2 to build up the dam. In addition to serving as the Construction Manager, Barry provided constructibility reviews and assisted with the GMP negotiations. He worked closely with the FCDMC Project Manager, Engineer of Record, District's Dam Safety Branch, Arizona Department of Water Resources (ADWR) and the National Resource Conservation Service (NRCS). Phase 1 was completed; however, Phase 2 construction was shutdown due to federal funding issues. To protect the surrounding area and ensure dam safety, Barry worked with the County, ADWR, and NRCS for eight months to prepare a safety plan until work could commence in the future to finish Phase 2. Both phases were delivered via CMAR. *CEI was a subconsultant providing construction management, inspection and QA survey services.*

ADOT Temporary Technical (Temp Tech) On-Call Services, Statewide, AZ: Principal

CEI is currently managing its sixth consecutive Temp Tech contract with ADOT since 2002, providing technicians on an on-call and as-needed basis. As Principal, Barry supports CEI's Contract Manager by ensuring staff, equipment, and other resources are available to fulfill each assignment. More than 760 assignments have been completed over the past 21 years. During the 2017-007.05 and 2022-014.02 contracts, 30 assignments have been in the Southcentral District, including two major projects in the Tucson area on I-10 Ina Road and Ruthrauff Road. *CEI prime contract.*

ADOT Full-Service Construction Administration Services, Statewide, AZ: Project/Contract Manager and Principal

CEI has held four on-call contracts with ADOT, providing full-service teams for construction projects with construction costs of \$10M or less. Barry is the Project (Contract) Manager on the current 2021-001.01 contract, as well as on past contracts (08-03-01, 04-42.2 and 01-19). A total of 18 projects have been completed under these contracts. Barry's responsibility includes committing staff for assignments, including REs, project supervisors, inspectors, and full- or part-time field office managers. *CEI full-service prime CA&I contract.*



JOHN HALVARSON, PE, ATSSA, ECC

SR. RESIDENT ENGINEER

COMPANY TITLE: SR. RESIDENT ENGINEER

YEARS OF EXPERIENCE

Industry: 16 Firm: 4.5

EDUCATION:

BSCCE, Arizona State University, 2008

REGISTRATION/CERTIFICATIONS:

Professional Engineer, AZ #54638

ATSSA Traffic Control Supervisor, Exp. 10/2024

AGC-ADOT Erosion Control Coordinator, Exp.

3/2024

QUALIFICATION HIGHLIGHTS

- Former ADOT Sr. RE, RE, Project Supervisor and EIT
- Developer's/GEC's Project Management & Document Control Programs
- Former ADOT RE (Central Dist.)
- Construction Contract Administration
- Project Management
- Inspector Supervision
- Urban Interstate & Bridge Construction
- Partnering & Issue Resolution
- ADOT FAST, SATS, Quantlist, CPE, PEN5
- ADOT Construction Manual
- Supplemental Agreements
- Federal, State & Environmental Compliance

John is a Registered Professional Engineer in the State of Arizona. During his professional career, he has obtained a vast range of civil engineering experience in both construction and design. Throughout his career, John has worked for Pulice Construction (heavy civil contractor) as a Project Engineer, the Arizona Department of Transportation and multiple consultants as a Resident Engineer (RE), the US Navy Reserve as a Civil Engineer Corps officer, and Amec Foster Wheeler (now WSP) as a Transportation Engineer. Through these various roles and experiences, John has been able to obtain technical knowledge in both construction and design as well as develop his leadership and conflict resolution skills.

REPRESENTATIVE PROJECT EXPERIENCE:

I-10 Broadway Curve, I-17 Split to SR 202L (F007201C), Maricopa County, AZ (ADOT Central District): RE/T2

John is one of three REs administering a \$650M federal aid DB/P3 contract, supporting the General Engineering Consultant (GEC). The massive and complex scope adds multiple general purpose and HOV lanes in each direction along with major bridge construction and multiple lane additions (16 total). John was initially assigned to Segment 3 (I-10, Alameda to Ray Road) but was transferred to Segment 2 (I-10, 44th Street to Alameda and SR 143). John directly oversees a project supervisor (S9) and two lead inspectors (S7) within Segment 2, but also coordinates with the other segment REs, project supervisors, and lead inspectors, along with project-wide materials, utility, GEC design, and ADOT managers. John is also responsible for executing supplemental agreements, submittal reviews, monthly draw requests, and reviewing the Developer's monthly CPM updates. *Subconsultant to GEC/WSP.*

RESIDENT ENGINEERING RESPONSIBILITIES. On the following projects, John managed each project and supervised inspectors, technicians, and field office personnel. He executed supplemental agreements, performed schedule reviews, developed independent engineer's cost analyses, and performed submittal and RFI reviews, and managed the project budget.

SR 101L, I-17 to Pima Road Design-Build (F012101C), Phoenix, Scottsdale, AZ (ADOT Central District): RE/T2

John administered this \$184M federal aid contract on behalf of the ADOT Central District. The project widened 13 miles of the SR 101L freeway. Scope items involved removal and re-installation of wider bridges, new sound and retaining walls, concrete barriers, freeway ramps, drainage, traffic interchanges at cross streets, curb and gutter, ADA ramps, sidewalk, fiber optics, sign structures, DMS butterfly structures, PCCP, AC base, AR-ACFC, and relocation of existing utilities. John coordinated construction efforts with the design-builder, internal ADOT groups, cities of Scottsdale and Phoenix, Central Arizona Project, and FHWA. *ADOT Temp Tech assignment.*

SR 303L and US 60 Grand Avenue TI (H787501C), Surprise, AZ (ADOT Central District): RE/T2

John administered a \$46M federal aid contract on behalf of the ADOT Central District. The scope involved constructed a 4-span box girder bridge, six sound walls, two retaining walls, and 15 future lane-miles of PCCP with AR-ACFC. He coordinated construction with ADOT, BNSF, Maricopa Water District, City of Surprise, and various other local stakeholders. *ADOT employee assignment.*

SR 303L, Peoria Avenue to Bell Road (H814501C), Surprise, AZ (ADOT Central District): RE/T2 and Project Supervisor/ S9

John administered this \$128M federal aid contract on behalf of the ADOT Central District as the Resident Engineer and an S9 Project Supervisor. The scope involved construction of three new concrete box girder bridges, 60 future lane-miles of PCCP with ARAC-FC, four miles of sound wall, and two miles of retaining walls. He coordinated construction with Maricopa Water District, City of Surprise, and various other local stakeholders. *ADOT employee assignment.*

JOHN HALVARSON, PE, ATSSA, ECC • RESIDENT ENGINEER

I-10 Island Wash Scour Pad Retrofit, Cochise County, AZ (ADOT Southeast District): RE/T2

John administered this federal aid contract on behalf of the ADOT Southeast District. The scope involved scour retrofit on the Island Wash Bridge Structure (#210 and #658). *ADOT Temp Tech assignment.*

US 191Y Bowie Spur (F007701C), Cochise County, AZ (ADOT Southeast District): Resident Engineer/T2

John administered a \$1.9M federal aid contract on behalf of the ADOT Southcentral District. Work involved milling and repaving 3.15 miles of a two-lane highway, including turnout paving, large crack repairs, sign replacements, and shoulder build-up. *ADOT Temp Tech assignment.*

SR 80 Scour Retrofit and White Water Draw Bridge Repair (H854901C), Cochise County, AZ (ADOT Southeast District): RE/T2

John administered a \$1.9M contract on behalf of the ADOT Southeast District. The scope involved scour retrofit on the White Water Draw Bridge Structure (#1626), rail bank protection, shotcrete, bridge deck repair, bridge rail replacement, guardrail, and seeding. *ADOT Temp Tech assignment.*

US 70, 8th Street to US 191 (H878901C), Cochise County, AZ (ADOT Southeast District): RE/T2

John administered an \$8M federal-aid contract on behalf of the ADOT Southeast District. The scope involved milling and repaving 10 miles of a two-lane highway, AR-ACFC paving, driveway paving, box culvert extensions, signing, striping, and shoulder build-up. *ADOT Temp Tech assignment.*

US 70 and SR 75 Chip Seal, Cochise County, AZ (ADOT Southeast District): RE/T2

John administered a \$2.1M federal-aid contract on behalf of the ADOT Southeast District. Work involved chip seal on 24.34 miles of a two-lane highway, including terminal blend polymerized asphalt rubber overlay. *ADOT Temp Tech assignment.*

Davis Road, Drainage and Roadway Improvements (SS95401C), Cochise County, (ADOT Southeast District): RE/T2

John administered a \$4.05M federal-aid contract on behalf of the ADOT Southeast District. Work involved constructing concrete arch culverts, vertical and horizontal realignment of the roadways, new guardrail, new concrete barrier, an earthen diversion structure, access gates, and seeding. *ADOT Temp Tech assignment.*

Multi-Use Path and Soil Cement Levee, Glendale, AZ (ADOT Central District): RE/T2

John administered this \$3M federal-aid, local government contract as a Resident Engineer on behalf of the ADOT Central District. The scope involved constructing a new two-mile multi-use path, installing 15,000+ CY of soil cement for two under-crossings, drainage improvements, landscaping, irrigation, and decomposed granite. *ADOT employee assignment.*

ADDITIONAL ADOT PROJECTS

- Durango Curve, Drainage and Erosion Improvements, Central District: RE/T2, \$1.2M federal-aid
- US 191 Drainage and Pedestrian Improvements (H859001C), Southeast District: RE/T2, \$700K federal-aid
- SR 303L, US 60 to I-17 ITS/FMS Improvements (F001301C), Central District: Sr. RE/T3, \$4.6M federal-aid
- Statewide Un-interrupted Power Supplies (F005501C), Central District: Sr. RE/T3, \$1.3M federal-aid
- Statewide Dynamic Message Signs and Cameras (H853101C), Central District: Sr. RE/T3, \$2.16M federal-aid
- Statewide Weight-In-Motion Stations, 16 Locations (H873601C), Central District: Sr. RE/T3, \$2.7M federal-aid



**DEL WHITTINGTON, ACI,
ATTI, ATSSA, ECC
S9 PROJECT SUPERVISOR
COMPANY TITLE: PROJECT SUPERVISOR**

YEARS OF EXPERIENCE

Industry: 22 Firm: 1

EDUCATION:

General Courses, Mohave Community College,

CERTIFICATIONS:

ACI Technician, Exp. 7/2028

ATTI Technician, Exp. 12/2023 (Scheduled to re-test in December)

ATSSA Traffic Control Supervisor, Exp. 1/2027
 AGC-ADOT Erosion Control Coordinator, Exp. 10/2025

QUALIFICATION HIGHLIGHTS

- Former ADOT Northwest District S9 & S7
- Kingman Resident
- ADOT Roadway and Bridge Construction
- Construction Contract Administration
- FHWA Compliance
- ADOT Specifications/Standards
- ADOT Programs: FAST, SATS, Quantlist, CPE, and PEN5
- ADOT Supplemental Agreements
- AASHTO Girder Bridges
- Concrete Structures and Flatwork
- Walls: MSE, Sound, Retaining, Soil Nail
- Paving (Asphalt and PCCP)
- Staff Supervision/Scheduling
- Partnering, Mentoring and Training

Del has obtained a vast range of heavy civil construction inspection experience over the past 22 years in both the public and private sectors. Del has worked in several states on a variety of projects. In his work history, Del has held several roles with ADOT, including Transportation Engineering Specialist (TES) in the Northwest District. His experience as an ADOT employee gives him a unique understanding and comprehension of the requirements and expectations to work on ADOT construction projects. Since leaving ADOT he has held supervisory roles, managed multiple projects and contractors, as well as leading and teaching teams of inspectors.

Del is a Kingman resident and has lived in the Mohave County area since 1988. With over two decades of working for the ADOT Northwest District, he is very familiar with the transportation infrastructure in the area, its history, and terrain.

REPRESENTATIVE PROJECT EXPERIENCE:

US 95, Quartzsite Highway, Rifle Range Road to Wellton-Mohawk Canal (F035901C), Yuma County, AZ (ADOT Southwest District): *Project Supervisor/S9*

Del assisted in administering the construction contract for this \$24M federally funded project in the Southwest District located in Yuma County on US 95, starting at MP 35.2 and extending north to MP 38.7. The work consists of reconstructing and widening the existing two-lane roadway into a five-lane roadway, and removing the existing 3-span bridge and constructing a new single-span bridge over the Wellton Mohawk Canal. The work also includes roadway excavation, constructing embankment, grading, reinforced concrete box culvert (RCBC) extensions, new RCBCs, drainage improvements, asphaltic concrete pavement and asphaltic concrete friction course (ACFC) overlay, pavement markings, signage, and other related work. Del inspected various aspects of the project, such as paving, culverts, siphon pipe, excavation, embankment, aggregate base, traffic control, and striping. He trained new inspectors who were unfamiliar with ADOT work by teaching them how to read and interpret the Spec Book, C-Standards, and SD-Drawings. Del coordinated with utility companies for fiber optic relocation or protection, and assisted the Resident Engineer with cost analyses for change orders. *ADOT Temp Tech assignment.*

I-10 Ehrenberg-Phoenix Highway, System Preservation (Restoration/Rehab/Resurface), MP 105.95 to MP 112.33, Maricopa County, (ADOT Southwest District): *Project Supervisor/S9*

Del assisted in administering the construction contract for this \$16M federally funded project in the Central District. The work consisted of milling the existing pavement surface and replacing it with new asphalt concrete, new guardrail, drainage improvements, bridge deck rehabilitation, new pavement marking, and other related work. Del reviewed daily dairies and pay items for accuracy and documentation; assigned inspectors to different work items and provided resources; managed inspector hours/shifts to control budget; and assisted the Resident Engineer by preparing agendas for pre-activity meetings. *ADOT Temp Tech assignment.*

I-10 Ehrenberg-Phoenix Highway, System Preservation (Restoration/Rehab/Resurface), MP 90 to MP 100, Maricopa County, (ADOT Southwest District): *Project Supervisor/S9*

Del assisted in administering the construction contract for this \$27M federally funded project in the Central District. The project is located in Maricopa County on the eastbound and westbound of I-10 between milepost 90 and milepost 100. The work consists of removing the existing asphaltic concrete (AC) surface by milling and replacing it with new AC and asphaltic concrete friction course. The work also includes removing and replacing the existing guardrail and guardrail end terminals, pavement markings, and other related work. Del reviewed daily dairies and pay items for accuracy and documentation; managed inspector hours/shifts to control budget; met with contractor to discuss daily activities and resolve issues; assisted with inspection of work items as needed; reviewed monthly estimate with contractor, and ensured payment. *ADOT Temp Tech assignment.*

DEL WHITTINGTON • S9 PROJECT SUPERVISOR • STRUCTURES

NORTHWEST DISTRICT PROJECTS

While employed by ADOT Northwest District for 20 years, Del worked on a myriad of projects throughout the District, and many within the City of Kingman area. Below is a sampling of projects that Del served as an ADOT Transportation Engineering Specialist (TES/S9) performing project supervisor-level duties, scheduling, and supervising field inspectors, and coordinating closely with resident engineers and field office specialists (ADOT employees and consultants). All of the projects are also federally funded which demonstrates Del's knowledge and hands-on experience documenting and accepting materials to meet compliance measures and ensure project funding.

Stockton Hill Road, Kingman, AZ (\$640K Federal)

Extended almost one mile of Stockton Hill Road in Kingman, AZ. Work included signalization, signing, placing aggregate base, asphaltic concrete, pavement marking, and other related work. (\$640K federal-aid)

US 93 Windy Point Road to Mineral Park Road, Kingman, AZ (\$9.5M Federal)

This project consisted of widening shoulders on US 93 for approximately 10 miles, traffic control, and other related work.

Acoma Blvd at Pima Drive North, Lake Havasu City, AZ (\$340K Federal)

The work involved reconstructing curb returns, ADA ramps and installing a new pedestrian hybrid beacon and lighting at the intersection of Acoma Boulevard and Pima Drive North.

US 93 Carrow - Stephens, Mohave County, AZ (\$40M Federal)

The work consisted of constructing a four-lane divided highway, including constructing a new alignment of aggregate base, asphaltic concrete end product and AR-ACFC, AC milling, constructing concrete box culverts and two box bridges, installing pipe culverts, guardrail, and fence, striping, signing, and other related miscellaneous work.

I-40, Silver Springs Road, Willow TI, Kingman, AZ (\$10M Federal)

The work involved variable depth milling (1" to 6"), replacing existing pavement with asphaltic concrete and AR-ACFC, and placement of shoulder buildup with milled AC material on both sides of the pavement. In addition, the work included replacing the existing pavement markings, removing and replacing embankment curb, reconstructing guardrail, and other miscellaneous work.

SR 95 AZ State Line to Rising Sun Road, Mohave County, AZ (\$2.2M Federal)

The scope involved applying full-width micro-surfacing to the existing pavement, replacing existing pavement markings, and other miscellaneous work.

SR 95 Aviation Way to Bullhead City Parkway, Bullhead City, AZ (\$1.4M Federal)

The work on this project involved asphalt removal and milling, asphaltic concrete, curb and gutter, sidewalk, raised medians, pavement marking, signing, maintenance of traffic (MOT), and other miscellaneous work.

I-40 DW Ranch Road TI Underpass, Kingman, AZ (\$4M Federal)

The work on this structure improvement project involved removing and replacing existing deck of a 4-span steel plate girder bridge, widening the road approaches to the bridge, replacing guardrail, replacing pavement markings, and related work.

US 93 Willow Beach to White Hills Road, Mohave County, AZ (\$20M Federal)

The work on this pavement rehabilitation project consisted of milling and replacing the existing pavement surface, roadway excavation for shoulder widening, drainage pipe and box culvert extensions, traffic control, and related work.

Riverview Drive. Balboa Drive to SR 95, Bullhead City, AZ (\$2.8M Federal)

The scope for this project involved widening the existing 2-lane roadway to add a center turn lane and on-street parking. It also included asphalt removal and milling, roadway excavation, asphaltic concrete, concrete curb and gutter, sidewalk, driveways, drainage improvements, pavement marking, signing, MOT, and other related work.

SR 66, Andy Devine Avenue and First Street, Kingman, AZ (\$256K Federal)

The work for this local government project involved intersection improvements, installing a new hybrid beacon for a pedestrian crossing, constructing sidewalk and ramps, installing pavement markings, signage, and related work.

Lake Havasu State Park Improvements, Mohave County, AZ (\$3.6M Federal)

The work at this state park involved widening Main Park Road, constructing new parking areas, building a new boat launch and pier, channel pathways, a new jetty, and area lighting. The work also included drainage improvements, lake dredging, and related work.

I-40 Willow Ranch TI to Markham Wash, Kingman, AZ (\$20M Federal)

The work consisted of roadway milling, asphaltic concrete and AR-ACFC, shoulder buildup, installation of guardrail, seeding, pavement marking, and other related work.

US 93 Antelope Wash, Mohave County, AZ (\$27M Federal)

The scope for this highway improvement project consisted of constructing a new two-lane southbound roadway parallel to existing US 93, and reconstructing existing US 93 northbound to provide a four-lane divided highway. Work involved placing AC concrete and AR-ACFC, four new precast prestressed concrete girder bridges, five new concrete box culverts, pipe culverts, cement stabilized bank protection, riprap, fence, pavement marking, signing, seeding, and other related work.

Gordon Drive, Stockton Hill Road to Bank Street, Kingman, AZ (\$4.5M Federal)

The work for this local government project involved removing and replacing concrete curb, gutter, sidewalks and driveways, new asphaltic concrete pavement, new storm drain pipe, waterline extensions, new sewer lines, street lighting, and related work.



ROGER CLARK,
ACI, ATTI, ECC, ATSSA
S9 PROJECT SUPERVISOR
ROADWAY
COMPANY TITLE: PROJECT SUPERVISOR

YEARS OF EXPERIENCE

Industry: 25 Firm: 1

EDUCATION:

Mesa Community College, Math and Science
 Arizona Government University: Elements of
 Extraordinary Leadership Supervisor Practicum,
 06/2006

CERTIFICATIONS:

ACI Technician, Exp. 3/17/2027
 ATTI Technician, Exp. 2/26/2027
 ECC Coordinator, Exp. 9/21/2025
 ATSSA Traffic Control Supervisor Trained,
 Exp. 11/29/2026

QUALIFICATION HIGHLIGHTS

- Former ADOT Northeast District S9 & S7
- ADOT Roadway and Bridge Construction
- Construction Contract Administration
- FHWA Compliance
- ADOT Specifications/Standards
- ADOT Programs: FAST, SATS, Quantlist, CPE, and PEN5
- ADOT Supplemental Agreements
- AASHTO Girder Bridges
- Concrete Structures and Flatwork
- Walls: MSE, Sound, Retaining, Soil Nail
- Paving (Asphalt and PCCP)
- Staff Supervision/Scheduling
- Partnering, Mentoring and Training

Roger is a seasoned senior level inspector with over two decades of experience in heavy highway construction, all of which have been on ADOT projects in the Northeast District. Roger reported to ADOT units in the Show Low area and worked on numerous rural highway projects, many of which were in pristine environments. Roger started with ADOT as a Maintenance Technician. After four years, he was promoted to Transportation Construction Technician IV, and in 2010, he advanced to a Transportation Engineering Specialist (TES), a position that he held for nearly 12 years before retiring. His graduation through the ranks at ADOT provided him insight in the quality of workmanship that ADOT requires from contractors and field staff, and he acquired valuable tools for performing his job at an S9 level.

REPRESENTATIVE PROJECT EXPERIENCE:

Eager to Crescent Lake (AZ FLAP SR 261(1), Apache, AZ (Federal Highway Administration (FHWA), Central Federal Lands Highway Division (CFLHD): Construction Inspector II (CI-II)

Roger served as a senior level inspector for this \$13.6M FHWA/CFLHD project, a task order under CEI's Indefinite Delivery Indefinite Quantity (IDIQ) contract. The scope involved 11.42 miles of roadway paving improvements, culvert rehabilitation, and special rock embankment. Roger's duties included materials acceptance, review of quantities for payment, coordinating the shipment of sampling and testing materials to CFLHD's lab, and visual inspections. Roger prepared and entered daily inspection reports for all construction activities, including asphalt and prime coat applications and tracking, guardrail, corrugated metal pipe installation, and new cattle guards. He monitored traffic control, erosion control, interpreted plans and specifications, performed equipment inspections, supported the CFLHD's Contracting Officer Technical Adviser, reviewed the contractor's certified payrolls, and performed interviews with the general contractor and subcontractors.

Cordes Junction-Flagstaff Highway (I-17), Southbound County Line, McConnell Bridge (F020701C), Coconino National Forest, Coconino County, AZ (ADOT Northcentral District): Project Supervisor/S9

Roger was a Project Supervisor for this roadway/bridge deck rehabilitation project. He was responsible for verifying inspectors' daily dairies and tracking force account items for pay estimates. Items of inspection included removals and replacement, AC (416) and ACFC paving, bridge deck replacement, guardrail and barrier replacement. Traffic control consisted of tracking set-up, take-down, lane closures, attenuators, signage, and DPS and flagger hours.

Flagstaff-Holbrook Highway (I-40) – I-17 to Walnut Canyon Road, Pavement Restoration/Resurface/Rehabilitation (F018501C), Coconino County, AZ (ADOT Northcentral District): Project Supervisor/S9 and S7

Roger was promoted from an S7 to an S9 Project Supervisor for this project. As an S9, he was responsible for reviewing, approving, or rejecting inspectors' daily dairies. He trained and mentored a new EIT and new S5 inspector, tracked items for change orders and quantities for pay estimate accuracy as well as absorbing all of the responsibilities he held as an S7 Inspector. His S7 responsibilities included project scheduling, determining core layouts, deep repair inspections and grading while milling and excavating old PCCP and AC, removals, replacing with new AC and ACFC, removal and replacement of guardrail and guardrail end terminals, sealing bridge deck, replacing bridge deck expansion joints, AC spot repair, placement of temporary pavement markings (Type 2 yellow), clearing and grubbing of noxious weeds, and herbicide placement. He monitored 20 miles of traffic control: set up, take down, lane closures with barriers, tracking quantities as well as hours for DPS and local officers.

Chambers – Mexican Waters Hwy (US 191), Chinle Wash to Lukachukai Wash (H894501C), Navajo Nation, Apache County, AZ (ADOT Northeast District): ADOT TES/S9

Roger was responsible for all bridge, paving, and drainage items. The project involved bridge rehabilitation over both the Chinle and Agua Sal South Washes, bridge replacements over Agua Sal North and Lukachukai Washes, pavement removal and replacement, new aggregate base, asphalt concrete (AC) pavement, new embankment, curb, and spillways.

ROGER CLARK, ACI, ATTI, ECC, ATSSA • S9 PROJECT SUPERVISOR • ROADWAY

SR 73 (Carrizo-Whiteriver – Indian Pines Highway), Post Office Canyon Bridge Structure No. 981 (F010901C), Fort Apache Indian Reservation, Navajo County, AZ (ADOT Northeast District): ADOT TES/S9

This bridge deck replacement involved a new reinforced concrete deck, barrier transitions, new approach slabs, pavement markings, and other related work.

US 191 (St. Johns-Sanders Highway), Carrizo Wash (F015001C), Apache County, AZ (ADOT Northeast District): ADOT TES/S9

Improvements to Carrizo Wash involved the construction of two new concrete box culverts and related work.

Carrizo-Whiteriver-Indian Pines (SR 73), Cedar Creek – Fort Apache, Fort Apache Indian Reservation/White Mountain Apache Tribe (F021701C), Gila County, AZ (ADOT Northeast District): ADOT TES/S9

Inspection for the repair and improvements of culvert outfalls to mitigate and control erosion, replacement of barbed-wire fencing, placement of riprap gabions and mattress, rail bank protection, and related work.

SR 260 (Show Low-McNary-Eager Highway), Little Colorado River Bridge Structure No. 416 (H826901C), Apache County, AZ (ADOT Northeast District): ADOT TES/S9

Improvements to this bridge involved constructing a new scour concrete floor underneath the existing bridge, repairing pier stem walls, box culvert extensions, shotcrete placement, pavement marking, and signing.

US 60 (Show Low – Springerville Highway), 40th Street – SR 61 (F016801C), Navajo and Apache Counties, AZ (ADOT Northeast District): ADOT TES/S9

Scope of work for this 9-mile highway improvement project involved milling the existing pavement and replacing it with new AC pavement and chip seal coat, placing AC pavement to unpaved turnouts and pullouts, bridge repair, and replacing pavement markings and associated work.

US 180 (Holbrook-Springerville Highway), Jim Camp Wash Bridge #1602 and Cottonwood Wash Bridge #603 (H893901C), Navajo County, AZ (ADOT Northeast District): ADOT TES/S9

Work on these bridges involved bridge deck replacements, milling and overlay of AC (409 and 416) pavement and new guardrail installation. Additional work items included structural excavation and backfill, concrete, structural steel, shotcrete, grouted riprap, F-shaped barrier, and drainage and SWPPP items.

SR 260 (Payson – Show Low Highway), Mainline Road to Overgaard (F003801C), Navajo County, AZ (ADOT Northeast District): ADOT TES/S9

Improvements on this segment of highway involved mill and replace the existing asphaltic concrete at spot locations, chipseal, microsurfacing and slurry seal. New sidewalks, concrete curb and gutter, driveways, sidewalk ramps, pavement markings, and other related work were also completed.

US 60 (Show Low – Springerville – East Highway), Show Low to 40th Street (H510701C), Navajo County, AZ (ADOT Southeast District): ADOT TES/S9

This highway improvement project involved widening the existing highway, milling and paving the existing road, and installing new pipe culverts. Additional items included the installation of a traffic signal, signing, striping, and related work.

US 60 (Show Low – Springerville), East Highway (Show Low to 40th Street) (H510701C), Navajo County, AZ (ADOT Northeast District): ADOT TES/S9

This 1.5-mile roadway project involved milling and repaving the roadway, replacing a traffic signal, and signing and striping. A major scope item included installing pipe culverts (24", 36", and 60" inch diameter corrugated metal pipe [CMP] and reinforced concrete pipe [RCP]).

SR 177 (Winkelman – Superior Highway), Mineral Creek Bridge (F012901C), Pinal County, AZ (ADOT Southeast District): ADOT TES/S9

The work involved overlaying the bridge deck with polyester polymer concrete, milling and replacing the asphaltic concrete at the approaches on both sides of the bridge, installing a bridge scour countermeasure, and other related work.

ADOT Northeast District, Show Low Unit: ADOT TES (TES)

Roger was a TES in the Northeast District, reporting to the Show Low unit. He also worked on several projects in the Northeast District. Many of these projects were located on Native American land and required sensitivity and adherence to specific guidelines where he partnered with Tribal Employment Rights Ordinance (TERO), the Bureau of Indian Affairs (BIA), and the Environmental Protection Agency (EPA). He was responsible for numerous activities and performed the following duties to include but not limited to:

- Coordinated activities on highway projects to include quality control, inspection and documentation of contract items for structures and concrete or asphalt pavement under Engineer's direction.
- Primary contact for contractors, consultants, and ADOT employees.
- Conferred with engineers and contractors regarding schedule compliance.
- Conferred with engineers and contractors regarding conformance with construction plans and specifications.
- Communicated with agency officials, staff members, and project stakeholders.
- Inspected project records, notes, and field computations to assure measurements and basis for payments.
- Supervised and trained subordinate personnel and consultants.
- Performed field inspections as needed.
- Approved daily diaries, verified quantities, tracked force account and change orders, billed subcontractor items, letters of agreement, ensured subcontractors were approved to work on site due to sanctions, and entered various quantity payments and project information in to PEN5 and FAST applications.



DORINDA WINROW

S7 FIELD OFFICE MANAGER

**COMPANY TITLE: OWNER/PRINCIPAL,
FIELD OFFICE MANAGER**

YEARS OF EXPERIENCE

Industry: 39 Firm: 4.5

TRAINING:

ADOT Transportation Construction Tech IV (S7)
Training Matrix

QUALIFICATION HIGHLIGHTS

- ADOT Northwest District Experience
- Google-based ADOT project filing systems
- Certified Payroll Review (LCPTracker and Employee Interviews)
- Change Order Management in Supplemental Agreement Tracking System (SATS)
- Monthly Pay Estimates (CPE)
- Daily Diaries (PEN5)
- ADOT Construction Manual
- ADOT DOORS
- ADOT BECO
- Coordination with ADOT Field Reports
- Paperless Project Close-out Procedures
- Force Account (Time and Material) Documentation Review
- Asphalt Payment Documentation (Yield, Admixture and Bituminous Material)
- Federal Aid Labor and DBE Compliance
- Project Final Documentation
- Internal and External Audits
- Training/Mentoring
- FHWA Contract Administrator

Dorinda is an experienced construction Field Office Manager with nearly 40 years of experience administering construction contracts on ADOT projects as a consultant and as a former ADOT employee of 31 years. She started as a state secretary and worked her way up through the ranks as a field office technician to District Administration Manager, Engineer-in-Training (EIT) and Intern Program Manager, and Technical Trainer. Dorinda was an integral team member who helped create and instruct ADOT's Force Accounting and CPE courses.

After leaving ADOT in 2012, Dorinda has worked for consultants in field office management roles working on ADOT projects throughout the state, including separate terms of employment with both CEI and CSEM. In March 2019, Dorinda founded WinTech Services, LLC, a woman-owned and ADOT-certified DBE. She continues to work on ADOT assignments provided to her by ADOT consulting firms.

Dorinda draws upon her expansive experience to strengthen her responsibilities to process monthly pay estimates, pay item documentation, supplemental agreements, and to properly close out projects. Dorinda ensures project documentation is prepared in accordance with contract requirements, including ADOT and FHWA guidelines, and she strives to ensure that all documentation can withstand ADOT internal and FHWA external audits. She reviews the contractors' project administration submittals to assure conformance with the requirements of subletting work, EEO Specifications, On-the-Job Training (OTJ), DBE goals, and labor compliance (Davis Bacon requirements) using LCPTracker. Dorinda also has hands-on experience utilizing ADOT's Google-based project filing system.

REPRESENTATIVE PROJECT EXPERIENCE:

Below is a sampling of notable projects that Dorinda has worked on over her career directly with ADOT and for consultants. On these projects, she served as a Field Office Manager, assisting the resident engineer, project supervisors, and field staff with project documentation, reviews, monthly contractor payment requests, project close-out procedures, and coordination with ADOT Field Reports.

- I-10 Verrado Way, Buckeye and Watson Road widening (F01191C), Buckeye, AZ (ADOT Central District)
- I-10 Casa Grande Widening (H798401C), Casa Grande, AZ (ADOT Southcentral District)
- Various Projects for ADOT NW District (F040701C, H016101C, H011901C)
- SR 101L, I-17 to Princess Road Design-Build (F012101C), Phoenix and Scottsdale, AZ (ADOT Central District)
- SR 202L South Mountain Freeway (H882701C), Maricopa County, AZ (ADOT Central District/Connect 202 Partners)
- SR 202L Widening, SR 101L to Broadway Design Build (H816901C) (ADOT Central District)
- Close-out of 10+ Back-logged Projects (ADOT Northcentral District)
- Close-out of I-10 Widening, 29th Street to Prince (H643401C), Tucson, AZ

DORINDA WINROW • S7 FIELD OFFICE MANAGER

ADOT EMPLOYMENT HISTORY:

ADOT Construction Group, Transportation Engineering Specialist:

6/2004–6/2012

- Engineer-in-Training (EIT) Program Coordinator.
- ADOT Force Account Course Subject Expert and Creator
- ADOT Construction Manual: Updated technical material for the ADOT Construction Manual, Administrative Chapters 1 and 12.
- Technical Support to the Assistant State Engineer for Construction

ADOT Northwest District (former Kingman District): *3/1999–6/2004*

- Transportation Construction Technician (TCT) IV
- For more than five years, Dorinda oversaw and administered all office duties for heavy highway construction contracts from post bid to final acceptance. Projects ranged in costs from \$100,000 to \$50,000,000. Duties included compiling field quantities to produce monthly progress payments and final payments to contractors. She prepared documents required for contract changes (supplemental agreements, change orders, force accounts). Dorinda performed final review of sub-contractor contracts and percent limits prior to submittal for state approval. She oversaw and assured federal compliance regarding contractor wages by reviewing contractor payrolls. Dorinda also calculated and verified payment per specifications for asphalt paving, chip sealing, concrete structures and pavement, traffic control, sidewalk, curb & gutter, landscaping, earthwork, signing, striping, etc. She create sub-items from plan summary sheets and do plan take-offs to calculate required materials quantities. Dorinda supported resident engineers by arranging and participating in Partnering, Pre-construction and other project meetings.

ADOT Construction Group: *11/1994–3/1999*

- Administrative Service Officer for the Construction Group
- District Administrative Manager for Phoenix Construction District Office

ADOT Central District (former Phoenix District): *12/1985–11/1994*

- Transportation Construction Technician (TCT) IV

ADOT Construction Group: *9/1983–12/1985*

- Transportation Construction Technician I for Phoenix District
- Engineering Aide I for Georgia Construction Field Office



RUSS DIVINCENZO,
ACI, ATTI, ATSSA
S7 INSPECTOR • STRUCTURES
COMPANY TITLE: SR. INSPECTOR

YEARS OF EXPERIENCE

Industry: 39 Firm: 14

CERTIFICATIONS:

ACI Field, Exp. 7/29/2027

ATTI Field, Exp. 7/19/2025

ATSSA Trained, Exp. 11/17/2024

QUALIFICATION HIGHLIGHTS

- Kingman Resident
- Former ADOT Northwest District Inspector
- Roadway & Bridge Construction
- Major and Minor Structures
- AASHTO Girder Bridges
- Soil Cement Bank Protection
- Paving (Asphalt & Concrete)
- Earthwork, Grading, Drainage
- Storm Drains and Culvert Pipe
- Underground Utilities
- Curb, Gutter, Sidewalk, ADA Ramps
- Traffic Control
- Mentoring/Training Inspectors
- ADOT Programs: FAST, SATS, Quantlist, CPE, PEN5

Russ has nearly 40 years of experience in the transportation construction industry. Prior to joining CEI, he was an ADOT S9 Project Supervisor and S7 Inspector in the Northwest and Southwest Districts. Since joining CEI, Russ has worked on state and federally funded projects in the Northwest, Central and Southcentral Districts, as well as on public agency federally funded projects. As a native of Mohave County and a Kingman resident, combined with his 17 years of experience working for the Northwest District, Russ is very familiar with the transportation infrastructure in the area, its history, and terrain.

Russ is familiar with ADOT's operating procedures, documentation processes, construction guidelines and specifications as well as federal and local government standards. He is experienced in preparing and processing pay estimates utilizing the ADOT FAST system, providing cost analyses, negotiating supplemental agreements (change orders and force accounts), ensuring compliance with specifications, interpreting contract documents and measuring work for conformity with state and federal contract requirements. Russ' supervisory responsibilities include reviewing and approving inspectors' daily diaries and entering data into the PEN and Quantlist programs. He also trains and mentors junior level ADOT and CEI inspectors regarding inspection techniques and documentation procedures including accurate quantity measurements.

REPRESENTATIVE PROJECT EXPERIENCE:

I-15 Virgin River Bridge No. 1, Mesquite-Littlefield North Highway (H876001C), Mohave County, AZ (ADOT Northcentral District): S7 Inspector

Russ is an inspector on this \$56M bridge replacement project on I-15 near the community of Littlefield in the far northwest corner of Arizona. In addition to inspection, he also performs testing for AC, concrete, and soil field testing. The work consists of replacing the existing 5-span, steel girder Virgin River Bridge No. 1, Structure #1089, with a 3-span, steel girder superstructure with new substructure, Structure #20196. The work includes the reconstruction of the main line lanes on the approach roadways to match the new bridge section. The work also includes installation of new asphaltic concrete pavement with asphaltic concrete friction course, guardrail, pavement marking, signing, seeding, work site restoration, the establishment of a new vegetation area, and other related work.

Northern Parkway, Dysart Road to 111th Avenue (TT0347), Glendale, El Mirage, and Peoria, Maricopa County, AZ (MCDOT): Sr. Inspector

This federally funded \$44M project provided accessibility to commercial and residential developments north and south of the future Northern Parkway alignment. The project was designed and constructed in accordance with ADOT plans and specifications. Construction involved new 2-lane east/westbound frontage roads from Dysart Road to 111th Avenue (3.5 miles), two new 5-span AASHTO Type V girder bridges (70 girders total) over the Agua Fria River, and intersection improvements at Dysart and El Mirage Roads. MSE walls were constructed at Dysart Road to allow for structural stability for the future bridge overpass. Approximately 26,000 LF of new storm drains (15" to 48" diameter), a reinforced concrete box culvert (5-barrel 8'x4'x513'), retention drainage basins, and concrete channels were constructed. Five new traffic signals and street lighting were installed as well. Earthwork was a major task and a significant challenge for the contractor; there was approximately 409,000 CY of excavation and 340,000 CY of borrow. Russ was responsible for monitoring quantities for pay estimates and providing inspection on the bridge structures, earthwork, embankment, borrow, subgrade and AB, PCCP and AC paving, curb, gutter and sidewalk, storm drain pipe, catch basins, and MSE walls backfill. He also assisted with inspecting electrical signals, street lighting, and traffic control operations. *CEI full-service prime CA&I contract.*

RUSS DIVINCENZO, ACI, ATTI, ATSSA • S7 INSPECTOR • STRUCTURES

I-40 (Kingman – Ash Fork Highway), Peacock and Big Sandy Wash Eastbound Bridges (H824001C), Mohave County, AZ (ADOT Northwest District): S9 Project Supervisor

Russ served as the Project Supervisor for this \$4.3M bridge rehabilitation project. He was responsible for the supervision of staff and inspection of day-to-day tasks that included administrative and documentation functions such as preparation of change orders, force accounts, submittals, contractor communication, and review and approval of pay quantities for monthly estimates using ADOT CPE/Pen Programs. He supervised inspectors during removal and replacement of the existing bridge decks, reconstruction of the existing bridge approach decks, construction of scour protection slabs, and replacement of pavement markings. Russ also facilitated weekly meetings, set schedules for ADOT staff, and supervised lower level inspectors. *CEI ADOT Temp Tech assignment.*

I-40, County Line to Jackrabbit Road (H867501C), Navajo County, AZ (ADOT Northeast District): S9 Project Supervisor

Russ supervised and mentored five inspectors for this \$15M, 18-mile mill and pavement replacement and bridge deck improvement project. He provided inspection and measurement and quantity verification on the ramps, mainline and new truck turn-lane, which required milling and replacement of existing pavement with new 416 AC and 407 ACFC paving and replacing the geofabric and geogrid materials. For the bridge portion, he inspected removal of the existing bridge deck and construction of a new concrete bridge deck, end barriers as well as new re-formed web walls and steel placement, installation of bridge barriers and end barriers, upgrading of existing guardrails, and removal and replacement of sidewalk and ramps. Russ was also responsible for traffic control inspection and assuring the contractor adhered to Manual on Uniform Traffic Control Devices (MUTCD) guidelines for lane closures, detours, night closures, signage, and quantities. Lastly, Russ tracked all quantities for the contractor's pay estimates and tracked force account items for overhead signage on the bridge and relocation of an interstate sign. *CEI ADOT Temp Tech assignment.*

I-40, Peacock Wash Bridge #1251 & Big Sandy Wash Bridge #1253 (H842301C), Mohave County, AZ (ADOT Northwest District): S9 Project Supervisor

As a Project Supervisor, Russ provided inspection services for this \$3M two bridge rehabilitation project. He was responsible for all erosion control and 404 permitting, bridge deck inspection including jackhammering operations, repairs and concrete pours for new bridge decks, approach slabs, scour protection under piers at footings, anchor slabs, new guardrail, and pavement markings and signage. He was also responsible for all traffic control, implementing modifications to the plans to fit construction conditions, and the detouring of traffic to bridge bypasses. Russ tracked all quantities, and communicated with the contractor regarding force accounts, incidentals and pay estimates. This was a subconsultant assignment from a prime consultant under their On-Call Statewide Construction Administration Services contract. *CEI ADOT Temp Tech assignment.*

US 93 Pliocene Cliffs and US 93 Kabba Wash (H834201C and H834701C), Mohave and Yavapai Counties, AZ (ADOT Northwest District): S7 Inspector

Russ was responsible for inspecting the milling and replacement of AC and AR-ACFC overlay, fog coat application, and installation of pavement markers on two projects (\$1.5M). These projects involved approximately 15 miles of macro-texture milling of the existing asphaltic concrete and replacing it with AR-ACFC. *CEI ADOT Temp Tech assignment.*

US 93 (Kingman–Hoover Dam Highway), Grand Avenue to Ranch Road (H805401C), Mohave and Yavapai Counties, AZ (ADOT Northwest District): S7 Inspector

Russ served as the Lead Inspector for this \$5.3M highway improvement project. He was responsible for the inspection of paving, concrete work, and traffic control layout. He also served as the acting lab coordinator, provided sampling and testing, determined pour locations, sample times and maintained the tracking of quantities. This project was one of the first in Arizona to use the new “warm mix,” a new low temperature/ better for the environment mix. This project included milling of existing AC, replacement with new AC and AR-ACFC, removal of the existing bridge railing and installation of a concrete bridge barrier rail, new pavement markings, guardrails and resetting of manholes. *CEI ADOT Temp Tech assignment.*

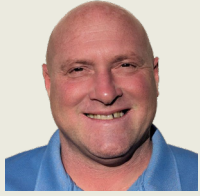
I-10, Lane Widening, I-8 to SR 87 (H710401C), Picacho, AZ (ADOT Southcentral District): S7 Inspector

Russ was a Lead Inspector during night-time construction of this five-mile, \$31.3M freeway widening project. The general scope of work widened the existing two lanes of the NB and SB mainline to three lanes each. Russ was responsible for the inspection of milling placement and application, trenching, brooming, tack coat, paving, random sampling, collecting certifications, traffic control tapering, and signage. *CEI ADOT Temp Tech assignment.*

NORTHWEST DISTRICT EXPERIENCE AS AN ADOT EMPLOYEE

While employed by ADOT Northwest District for 17 years (1992-2009), Russ worked on a myriad of projects in the Kingman area and Mohave County. Below are a few representative projects.

- US 93, Hoover Dam to MP 17 (H534701C), \$71.3M
- US 93, Tompkins Canyon SB (H617601C), \$10.4M
- SR 66, Andy Devine TI (H614201C), \$5.2M
- Old US 93 to Antelope Wash (H592401C), \$17.6M
- SR 95, McCulloch Boulevard South to London Bridge (H416001C), \$19M
- SR 68, Bullhead City to Golden Valley Design-Build (H313801C), \$42M



RYAN GROSS, ACI, ATTI, ATSSA

S7 INSPECTOR & S7 TRAFFIC CONTROL SPECIALIST • ROADWAY

COMPANY TITLE: SR. INSPECTOR

YEARS OF EXPERIENCE

Industry: 29 Firm: 9.5

CERTIFICATIONS:

ACI Field Tech., Exp. 3/16/2028

ATTI Field Tech., Exp. 9/20/2028

ATSSA Traffic Control Supervisor, Exp. 5/2/2027

AGC-ADOT Erosion Control Coord. (Exp. 1/1/2024,
pending - re-cert course scheduled for Dec.)

QUALIFICATION HIGHLIGHTS

- Kingman Resident
- Former ADOT Northwest District Inspector
- Roadway & Bridge Construction
- Major and Minor Structures
- AASHTO Girder Bridges
- Soil Cement Bank Protection
- Paving (Asphalt & Concrete)
- Earthwork, Grading, Drainage
- Storm Drains and Culvert Pipe
- Underground Utilities
- Curb, Gutter, Sidewalk, ADA Ramps
- Traffic Control
- Mentoring/Training Inspectors
- ADOT Programs: FAST, SATS, Quantlist,
CPE, PEN5

Ryan has nearly 30 years of experience in the construction industry, all of which have been on ADOT highway and bridge construction projects. During his career, 11 years were spent as an ADOT Northwest District employee. After joining Tristar, he continued to work on projects in the Northwest District through Tristar's ADOT Temp Tech contract. Ryan is a Mohave County native and a Kingman resident. Having worked in the Mohave County area and directly for ADOT's Northwest District, Ryan understands the area's transportation infrastructure history and the terrain.

Ryan's inspection experience includes on-site project inspection, material sampling, and testing highway construction projects throughout Arizona. He was the lead inspector for several ADOT projects and was the primary contact for contractors to ensure adherence to project specifications and plans. Ryan's knowledge and experience ranges from pavement rehabilitations and roadway widening to full reconstructions of interstate highway, bridges, and traffic interchanges (TI). He has a thorough knowledge of ADOT's standard specifications and sampling and testing procedures for materials and is proficient with PEN5 and other computer applications.

REPRESENTATIVE PROJECT EXPERIENCE:

Tonto Creek Bridge (SS71801C), Gila County, AZ (ADOT Southeast District): S9 Project Supervisor

Ryan serves as a Project Supervisor where he reviews project work and information for accuracy and completeness, recommends approval or disapproval for project work, and directs activities of ADOT and consultant highway construction technicians. He inspects and examines diaries, computations, materials test results, and other documentation and ensures that project measurements and payments are in accordance with project plans, special provisions, and supplemental agreements. Ryan also reviews and approves project submittals, certificates of compliance, and RFIs, as well as calculates land areas, earth forms, circular curves, material quantities, and other qualitative measurements using geometric and trigonometric computations. This \$21M project is located in Tonto Basin in Gila County and includes the construction of a bridge over Tonto Creek and a roadway along Old Highway 188 and Greenback Valley Road.

Golden Hill and Main Street (T009001C, SL69202C), Globe, AZ (ADOT Southeast District): S9 Project Supervisor

Ryan serves as a Project Supervisor where he reviews project work and information for accuracy and completeness, recommends approval or disapproval for project work, and directs activities of ADOT and consultant highway construction technicians. He inspects and examines diaries, computations, materials test results, and other documentation and ensures that project measurements and payments are in accordance with project plans, special provisions, and supplemental agreements. Ryan also reviews and approves project submittals, certificates of compliance, and RFIs, as well as calculates land areas, earth forms, circular curves, material quantities, and other qualitative measurements using geometric and trigonometric computations. *Tristar ADOT Temp Tech assignment.*

I-40 Misc. Bridge Deck Rehab NW (F016201C), Mohave County, AZ (ADOT Northwest District): S7 Inspector

Ryan was the Lead Inspector responsible for the bridge demo, falsework, bridge deck reconstruction, reinforced steel, bridge deck milling, concrete polymer overlay, approach slabs, and AC paving. The work consisted of removing and replacing bridge decks and approach slabs and rehabilitating bridge decks using mechanical milling and polyester polymer concrete overlay. Additional work included removing and replacing the guardrail and other miscellaneous work. *Tristar ADOT Temp Tech assignment.*

I-40, Audley Wash Bridges (H882001C), near Seligman, AZ (ADOT Northwest District): S7 Inspector

Ryan was responsible for the inspection of clearing, grubbing, embankments, structural backfill, rebar, structural steel girders, forms, concrete placement, documentation of employee and DBE CUF checklist interviews, and Quant Lists. The project is located on I-40, approximately 10 miles west of Seligman. The work consisted of EB and WB bridge superstructure replacement and other related work. *Tristar ADOT Temp Tech assignment.*

RYAN GROSS, ACI, ATTI, ATSSA, ECC • S7 INSPECTOR & S7 TRAFFIC CONTROL SPECIALIST • ROADWAY**Oatman Highway at Sacramento Wash Crossing (T002101C), Topock, AZ (ADOT Northwest District): S7 Inspector**

Ryan was responsible for the inspection of clearing, grubbing, and embankment; structural backfill, drilled shafts, rebar, structural steel girders, forms, installation of precast bridge and concrete placement, traffic control inspection, and pay item documentation. The project was located on Topock Highway (Old Route 66) and the new bridge and roadway approach were constructed utilizing the accelerated bridge construction method, and was completed within a 96-hour full roadway closure period. The work included channel improvements, signing, pavement marking, guardrail, seeding, and other related work. *Tristar ADOT Temp Tech assignment.*

SR 89, Hell Canyon Bridge (H851401C), south of Ash Fork, AZ (ADOT Northwest District): S7 Inspector

Ryan's responsibilities included structural inspector reviewing forms, rebar, and dimensions; testing and sampling of concrete for compliance with mix design requirements; monitoring temporary traffic control; and completion of daily diaries, pay item documentation, and required Quant Lists. The bridge is located on SR 89 in Yavapai County, approximately 18 miles south of Ash Fork at Hell Canyon. The work included removing and replacing the existing bridge, removal of the existing roadway, roadway construction, guardrail, pavement marking, re-vegetation, and related work. *Tristar ADOT Temp Tech assignment.*

US 93, Antelope Wash (H738801C), north of Wikieup, AZ (ADOT Northwest District): S7 Inspector

Ryan's duties included inspection of pipe culverts and headwalls, sampling and testing construction of AB and subgrade, monitoring of ACFC placements and spread rate calculations, and inspection of temporary traffic control, sign installation, and pavement striping. This project is located on US 93 about 20 miles north of Wikieup. The project widened approximately three miles of US 93 from a two-lane to a four-lane divided roadway. The work included asphaltic concrete pavement, four new precast prestressed concrete beam bridges, five new concrete box culverts, pipe culverts, bank protection, riprap, fence, pavement marking, signing, and related items. *Tristar ADOT Temp Tech assignment.*

US 180, Beulah Boulevard (SH50801C), Flagstaff, AZ (Northcentral District): S7 Inspector

Ryan was the lead inspector responsible for all items of work and payments, inspection and documentation of removals, excavation and traffic control, oversight of construction of aggregate base and AC paving, and inspection the installation of signage and pavement markings. This project is located in the City of Flagstaff on Beulah Boulevard between Woodlands Village Boulevard and McConnell Drive. Work involved reconstructing the medians to accommodate bike lanes, concrete curb, pavement markings, signs, and other items. *Tristar ADOT Temp Tech assignment.*

US 89, Moenkopi Wash – Hidden Springs (H811601C), near Cameron, AZ (Northcentral District): S7 Inspector

Ryan inspected the installation of new signage and delineators, and provided oversight of temporary, permanent, and dual component epoxy striping. He also assisted in paving operations laying out AC cores, calculating yields and spread rates for ACFC and completed daily diaries, pay item documentation, and required Quant Lists. This project on US 89, about 10 miles north of Cameron, consisted of milling and replacing asphalt concrete pavement, guardrail improvements, and pavement markings.

NORTHWEST DISTRICT EXPERIENCE AS AN ADOT EMPLOYEE

While employed by ADOT Northwest District as an inspector for approximately 11 years, Ryan worked on a myriad of projects in the Kingman area and Mohave County. Below are a few representative projects on which he performed roadway and bridge inspections.

- SR 68 Design-Build, MP 2 to MP 16
- US 95 Lake Havasu City, London Bridge Road to S. McCulloch Boulevard
- US 93 Tompkins Canyon MP 119.5 to MP 121.2
- US 93 MP 2 to MP 17
- US 93 Kaiser Springs Section
- I-40 Boulder and Chemehuevi Wash
- I-40 Shinarump (McConico) TI to Seligman MP 44 to MP 123
- US 95, Courtwright to Central



**ADAM TRUJILLO, ACI,
ATTI, ATSSA**

S7 MATERIALS COORDINATOR

**COMPANY TITLE: MATERIALS TECH/
CONSTRUCTION INSPECTOR**

YEARS OF EXPERIENCE

Industry: 30 Firm: 23

CERTIFICATIONS:

- ACI Concrete Strength Testing Tech (Exp. 3/17/2028)
- ACI Field Testing Tech (Exp. 11/19/2026)
- ATTI Asphalt Testing Tech (Exp. 3/7/2025)
- ATTI Field Tech (Exp. 11/19/2026)
- ATTI Soils/Aggregate Tech (Exp. 4/24/2026)
- ATSSA Tech Trained (Exp. 3/20/2025)
- HAZMAT (Exp. 4/12/2024)
- Radiation Safety (Exp. 4/13/2030)

QUALIFICATION HIGHLIGHTS

- Worked in ADOT Materials Testing Lab in several Districts, including Northwest District
- Lab Supervision
- Materials Coordination
- Materials Sampling & Testing of soils and aggregate, asphaltic concrete, and PCCP
- Training Junior-level Technicians
- ADOT PEN5 and FAST systems

Adam has over 30 years of experience in the heavy/highway construction industry. He has spent a considerable amount of his career working on ADOT projects; in the laboratory, out at material supplier plants, or in the field performing inspections and testing materials. Adam has worked extensively with all materials typically found on heavy civil construction projects. He is proficient with the data management systems used by ADOT, namely FAST and PEN, and is familiar with the ADOT processes related to construction materials and materials closeout. All of his relevant experience has given Adam a seasoned perspective of heavy construction and makes him a valuable materials coordinator to any construction management team.

REPRESENTATIVE PROJECT EXPERIENCE:

Adam has served as a Materials Coordinator, Materials Testing Technician, or as a Construction Inspector on dozens of ADOT, MCDOT, City of Phoenix, City of Mesa, Valley Metro Rail, and multiple private developments and local government contracts. In addition, Adam is equally proficient serving as a lab technician in our main materials testing laboratory. Adam's project experience includes:

ADOT Temporary Technical (Temp Tech) Engineering Personnel Services Contracts (Statewide): S7 and S6 Technician Levels

Adam has served in roles ranging from Construction Inspector, Field/Lab Testing Technician, and Materials Coordinator on many ADOT assignments performing roadway inspection, structures inspection, materials management, field testing, and laboratory testing. Projects have included highways, bridges, and local agency surface streets. Project elements have included drainage features, public and private service utilities, electrical and communication infrastructure, signing, striping, and traffic control. Adam's assignments under the ADOT Temporary Technical Engineering Personnel Services Contracts have included:

- **ADOT H876001C, Mesquite-Littlefield-North Hwy (I-15) (Virgin River Bridge No. 1), Mohave County, AZ.** Adam is providing construction inspection (S6) and serving as a Regional Lab Technician (S7) in ADOT's laboratory. Adam's responsibilities include concrete and soil field and laboratory testing and inspection.
- **ADOT Northwest District, Kingman Lab, Kingman, AZ.** Adam served as a laboratory technician in ADOT's Kingman Lab, performing soil and aggregate laboratory testing, asphalt laboratory testing, and concrete strength testing for multiple ADOT TRACS numbers.
- **ADOT Northeast District, Flagstaff Regional Lab, Flagstaff, AZ.** Adam served as a laboratory technician in ADOT's Regional Lab in Flagstaff, performing acceptance and independent assurance split sample testing for soil and aggregate, portland cement concrete, asphaltic concrete, and asphalt emulsions. Adam also assisted with transporting samples and equipment to and from other labs/projects.
- **ADOT Southcentral District, Tucson Regional Lab, Tucson, AZ.** Adam served as a laboratory technician in ADOT's Regional Lab in Tucson performing laboratory testing of soils and aggregate, asphaltic concrete, and portland cement concrete in support of many TRACS numbers, including H847901C, the I-10/Ina Road interchange.
- **ADOT Central District, Maricopa County, AZ.** Adam served as an inspector ADOT roadway improvement construction projects TRACS H811201C SR 88/Apache Trail and H830801C SR 88/Superstition Boulevard.

ADAM TRUJILLO, ACI, ATTI, ATSSA • S7 MATERIALS COORDINATOR

- **ADOT Central District, Phoenix Regional Lab, Phoenix, AZ.** Adam served as a laboratory technician in ADOT's regional lab in Phoenix, routinely performing acceptance and independent assurance (IAS) testing using ARIZ, AASHTO, and ASTM test methods.
- **ADOT Central Materials Structures Group.** Adam was assigned to the ADOT Central Lab as an inspector, performing concrete compressive strength testing for pre-stress release and field-inspecting reinforcement and the stressing operations on precast concrete girders at the point of fabrication.
- **ADOT Hot Plant Inspector.** Adam served as a Hot Plant Inspector on several ADOT ARACFC (Quiet Pavement) projects.

USACE, FY19 Vehicle and Pedestrian Barrier Replacement, Tucson Projects 1 and 2 (W912PL19C0015). Tucson Projects 1 and 2 involved the replacement of the vehicle and pedestrian barrier along the US/Mexico international boundary line. The scope involved 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. Adam served as Materials Coordinator for the project and as the Laboratory Supervisor of the onsite lab.



STEPHAN RODRIGUEZ,

ACI, ATTI, ATSSA

S7 LAB TECHNICIAN

COMPANY TITLE: MATERIALS TECH/
CONSTRUCTION INSPECTOR

YEARS OF EXPERIENCE

Industry: 10 Firm: <1

EDUCATION:

BS, Construction Management, Arizona State University, 2016

Science-based studies, Central Arizona College, 2006–2010

CERTIFICATIONS:

ACI Field (Exp. 4/20/2024)

ACI Strength (Exp. 5/19/2028)

ATTI Asphalt (Exp. 11/21/2026)

ATTI Field (Exp. 2/9/2024)

ATTI Soils (Exp. 6/11/2027)

ATSSA TCT (Exp. 10/23/2027)

Hazmat (Exp. 09/17/2026)

Radiation Safety (Exp. 09/18/2030)

QUALIFICATION HIGHLIGHTS

- Lab Manager
- Materials Sampling & Testing of soils and aggregate, asphaltic concrete, and PCCP
- ADOT PEN5 and FAST systems
- Civil Inspection
- Construction Cost Estimating
- Heavy Civil Construction Background

Stephan has 10 years of experience working in the heavy civil industry as a civil inspector and materials technician. He is a skilled laboratory technician as well as being adept at inspecting various highway project features and performing the typical tests required for soil, aggregate, asphaltic pavement, and concrete materials. Through his education and work experience, Stephan has developed strong problem-solving skills and excels at clear and open communication. He is adept at preparing daily inspection reports (DIRs) to document inspection and construction testing activities and ensure contract compliance. He understands it is imperative this documentation be up-to-date and accurate.

WORK HISTORY & EXPERIENCE:

Quality Testing, LLC (Gilbert, AZ), 9/2023 – Present: A recent addition to QT, Stephan brings his construction management background as well as his experience working with soil, aggregate, asphalt mixtures, and concrete both in the field as well as the laboratory; maintaining detailed documentation of his inspection and testing activities; and effectively communicating with others concerning project status. Since joining QT, Stephan has worked on the following project:

- **Littlefield TI Improvements (ADOT Permit 121137):** Stephan is currently the lead inspector on the Littlefield TI that is being built in conjunction with the new TA Travel Center facility located in Littlefield, AZ. The scope of the permit work includes the reconstruction of Highway 91 at the TI as well as improvements to the I-15 ramps. Project elements include roadway subgrade, aggregate base, new asphaltic concrete pavement, minor concrete structures, underground storm sewer, curb and gutter, signing, striping and all related incidentals. Stephan also works closely with the ADOT S9 on the adjacent Virgin River project for coordination and other project needs.

Smith & Annala Engineering-SAECO (Tempe, AZ), 4/2023 – 9/2023: While with SAECO, Stephan's main responsibilities included general inspection and testing, data review, and report preparation of construction materials, including asphalt, soils and aggregates, and concrete. Duties also included overseeing and training lab employees, oversight of laboratory production, project consulting, oversight of materials mix design, managing accreditation renewals, performing equipment maintenance and upkeep, and maintaining relations with various municipalities including ADOT.

Integer Consulting (Gilbert, AZ), 2/2018 – 2/2023: Stephan's responsibilities as the laboratory manager included the planning and oversight of testing, data review, and report preparation of construction materials, including asphalt, soils and aggregates, and concrete. Duties also included overseeing and training lab employees, oversight of laboratory production and materials mix design, managing accreditation renewals, and performing equipment maintenance.

FNF Construction (Tempe, AZ), 5/2015 – 2/2018: As a Project Engineer, Stephan's responsibilities included scheduling of work and employees, payroll, budgeting, estimating, accounting, plan reading, and RFI's. Stephan was also responsible for managing subcontractors, material, and equipment procurement, and performing general oversight of projects. The projects that Stephan worked on while at FNF included an ADOT SR 77 project in Mammoth, AZ and the Lake Havasu Canal project in Lake Havasu, AZ.

CPE Estimating (Scottsdale, AZ), 4/2014 – 5/2015: As an assistant estimator, Stephan worked with senior estimators during project pursuits to complete quantity and construction cost takeoffs for heavy civil construction projects. This included working with potential subcontractors to develop scope of work and pricing information for subcontracted work elements.

FNF Construction (Tempe, AZ), 5/2013 – 2/2014: Stephan began his career in the heavy civil construction industry as an assistant to project engineers and as a quality control technician. As an assistant to project engineers, his responsibilities included helping with construction takeoffs, ordering materials and completing daily project reports. Stephan also performed quality control testing, as needed, on soils, asphalt and concrete materials used for projects.



DAN ROSS

SCHEDULE REVIEWER

COMPANY TITLE: SCHEDULER/ESTIMATOR

YEARS OF EXPERIENCE

Industry: 42 Firm: 7

EDUCATION:

Courses towards a BS in Management, LaSalle College, 1978-1984

CERTIFICATIONS:

Primavera Master Scheduler

QUALIFICATION HIGHLIGHTS

- Highly Skilled in Primavera
- Highly Skilled in Microsoft Project
- “What If” Scheduling Scenarios
- Monthly CPM Updates
- Former Project Controls Manager (Master Scheduler & Estimator) for Valley Metro’s Billion Dollar-plus Starter Segments and 2 Extension Service Lines
- Transportation and Transit Project Scheduling & Estimating Expertise

Dan has 42 years of experience as a Chief Estimator and Master Scheduler on transportation projects. For 12 years, he was a Valley Metro Project Controls Manager on the agency’s multi-billion dollar light rail program. With CEI, Dan has supported our REs on the Northern Parkway project described in Section 3, the Downtown Links project in Tucson, and several local agency projects. Dan supported ADOT Southcentral District on an assignment on I-19, Ajo Way/SR 86 (F013201C) where he reviewed the contractors baseline schedule, providing the RE with potential issues and resolution recommendations.

REPRESENTATIVE PROJECT EXPERIENCE:

Northern Parkway, Dysart Road to 11th Avenue (TT0347), Glendale, El Mirage, and Peoria, Maricopa County, AZ (MCDOT): Schedule Reviewer

This recently completed federally funded \$44M project provided accessibility to commercial and residential developments north and south of the future new Northern Parkway alignment. Construction involved new 2-lane east/westbound frontage roads from Dysart Road to 11th Avenue (3.5 miles), two new 5-span AASHTO Type V girder bridges (70 girders total) over the Agua Fria River, and intersection improvements at Dysart and El Mirage Roads. MSE walls were constructed at Dysart Road to allow for structural stability for the future bridge overpass. Approximately 26,000 LF of new storm drains (15” to 48” diameter), a reinforced concrete box culvert (5-barrel 8’x4’x513”), retention drainage basins and concrete channels were also constructed. Five new traffic signals and street lighting were installed as well. Earthwork was a major task and a significant challenge for the contractor. There was approximately 409,000 CY of excavation and 340,000 CY of borrow. The project was designed and constructed in accordance with ADOT plans and specifications. Dan supported CEI’s SRE (Barry Brown) by conducting monthly reviews of the contractor’s schedule compared to the baseline Critical Path Method (CPM) schedule. These reviews helped keep the contractor on schedule by identifying and rescheduling/adjusting activities that may have impacted the overall schedule and budget. *CEI full-service prime CA&I contract.*

I-19/SR 86/Ajo Way TI (F013201C), Pima County, AZ (ADOT): Schedule Reviewer

The \$36M improvements to I-19/SR 86/Ajo Way TI involved reconstructing Ajo Way and Irvington ramps, including roadway excavation, concrete pavement, replacing existing Santa Cruz bridge and pedestrian bridge, retaining and sound walls, three reinforced concrete box culverts, drainage, lighting, and traffic signals. Dan was responsible for preparing, assessing, recommending, and providing baseline schedules and summaries for this traffic interchange project (Phases I-3 for I-19 and Ajo Phases 1-4). Through determined contract parameters and information submitted by the contractor, Dan determined exceptions, issues, and prepared resolutions submitting to the RE for approval. *CEI ADOT Temp Tech assignment.*

Downtown Links, Phase III, 6th Street Underpass to Broadway Boulevard, Tucson, AZ (City of Tucson): Schedule Reviewer

This \$60M (CMAR) 1.5-mile multi-modal roadway project will link the Barraza-Aviation Parkway/Broadway Boulevard intersection and I-10, adjacent to the Union Pacific Railroad (UPRR). This connection is intended to provide improved access and connections for pedestrians, bicyclists and motorists, as well as new and safer underpasses/overpasses, railroad crossings, drainage improvements, multi-use paths, improved sidewalks and bike lanes, and public art. Key project features include: four vehicular lanes with medians and turn lanes; on-street bike lanes, sidewalks, and a separate multi-use path; major drainage improvements; a new Tucson Arroyo box culvert; the 6th Street underpass at the UPRR; four rail crossing upgrades to establish Quiet Zone eligibility; the Maclovio Barraza Parkway overpass at 6th Avenue; the 9th Avenue deck plaza with public space, landscaping and art; desert landscaping and passive water harvesting; and public art. Dan supports the CEI construction management team by providing detailed reviews of the construction schedule on a monthly basis. During the CMAR’s GMP development, Dan also played a vital role in reviewing the CMAR’s estimates before final acceptance by the City. *CEI full-service prime CA&I contract.*

DAN ROSS • SCHEDULE REVIEWER

Vineyard Road Flood Retarding Structure (FRS) Rehabilitation Phases 1 & 2, Maricopa/Pinal Counties (FCDMC): *Schedule Reviewer*

These federally funded projects raised the Vineyard FRS by 15 feet. The first phase was earthwork; 1.2M CY was excavated and stockpiled and to be used in Phase 2 to build up the dam. Dan assisted the CM (Barry Brown) by providing an independent review of the CMAR's CPM schedule. His input improved the logic and duration of activities. *CEI was a subconsultant to QT, who was the prime firm managing the contract.*

Cooley Development, Gilbert, AZ (Town of Gilbert): *Estimator/ Scheduler*

Supporting CEI's PM/CM (Barry Brown), Dan performed an analysis for value of roadway construction impacting parcels associated with the \$32M Cooley Development Improvement project located on Williams Field and Recker Roads. He assessed and provided distribution of costs per parcel for the Town of Gilbert. *CEI prime PM/CM contract.*

Taxiways/Apron Repair and Pavement, San Bernardino, CA (San Bernardino International Airport Authority): *Estimator/Scheduler*

Dan provided estimate and schedule review for the San Bernardino Airport Authority for a \$1.5M airfield improvement project. *CEI full-service prime CA&I contract.*

Valley Metro Light Rail, Phoenix, Tempe and Mesa, AZ: *Project Controls Manager.*

While employed by Valley Metro, Dan was the Project Controls Manager, Estimator, and Master Scheduler for the \$1.7B starter segments of the light rail system in Phoenix and Tempe. He has also worked on several of the extensions, including two Mesa extensions (\$300M), and the first phase of the Northwest Extension (\$325M). Dan developed CPM schedules, managed schedulers, maintained an integrated construction/schedule control system, reported program and project status, provided performance trends analyses; worked with owners to prepare cost analyses, change orders, and claims.

Sky Harbor International Airport, People Mover System (now PHX Sky Train), Phoenix, AZ (Valley Metro): *Manager, Project Controls*

As the Master Scheduler for Valley Metro, Dan provided project control management for the Valley Metro Rail project at the 44th Street and Washington Street Station. This included the early construction link from the 44th Street Station to the Airport People Mover system (now PHX Sky Train). He developed CPM schedules, managed schedulers, maintained an integrated construction/schedule control system, reported program and project status, provided performance trends analyses; worked with owners to prepare cost analyses, change orders, and/or claims for additional compensation.

ADDITIONAL SCHEDULING & ESTIMATING EXPERIENCE

- Broad Street Subway Signal Upgrade, Philadelphia, PA (\$100M)
- Mobil (Valero) Refinery Re-Build, Paulsboro, NJ (\$250M)
- E.I. Dupont—Plant Expansions and Grass Roots Facilities, US, South America, and England (\$600M)
- Tren Urbano—Master Schedule, San Juan, Puerto Rico (\$1.3B)
- Metropolitan Atlanta Regional Transportation Authority, Master Schedule, Washington, DC (\$8B)
- Washington Metropolitan Area Transit Authority, Master Schedule, Washington, DC (\$10B)
- Southeastern Pennsylvania Transportation Authority, Various Transportation Projects, Project Controls and Master Schedule, Philadelphia, PA (\$350M)



From: [ADOT Business Engagement and Compliance Office](#)
To: [Carla Silvernale](#)
Cc: ContractorCompliance@azdot.gov
Subject: Bidders List for Consultant Engineering, Inc.
Date: Wednesday, November 29, 2023 11:27:06 AM

Caution: This email originated outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Consultant Engineering, Inc., AZUTRACS Number: [10192](#) has submitted a Bidder/Proposer list for **2024-011** on 11/29/2023 at 11:26 AM MST (UTC - 07:00).

Bidders/Proposers for this firm include:

Firm Name	AZUTRACS #	Expiration Date	Email Address	Phone Number
Civil Solutions Engineering & Management	15626	07/26/2025	dwfish@csem-az.com	480-276-2484
HDR Construction Control Corporation	10490	07/20/2026	phxmarketingccc@hdrinc.com	602-522-7700
Quality Testing, LLC	10910	09/18/2026	agarner@qt-az.com	425-345-3258
Tristar Engineering and Management, Inc.	11222	11/15/2025	jakin@tristar-az.com	602-568-4661
WinTech Services LLC	18625	11/28/2026	dorinda@wintechservices.com	602-361-7218



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: November 22, 2023

TO: ALL INTERESTED PARTIES

SUBJECT: AMENDMENT NUMBER 02

REFERENCE: REQUEST FOR QUALIFICATIONS
CONTRACT NUMBER 2024-011
KINGMAN - ASH FORK HIGHWAY (1-40) US 93/I-40 WEST KINGMAN TI, CONSTRUCTION
ADMINISTRATION SERVICES

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

1. Please confirm that the SOQ for the US93/I-40 West Kingman TI Construction Administration Services (Contract 2024-011) is due on November 30. There is a due date discrepancy listed on 3 of the RFQ.

Answer: Yes, SOQ submittals are due on November 30, 2023 at 2:00 P.M. Arizona (Phoenix) Time

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.

Consultant Engineering, Inc.

CONSULTANT NAME

SIGNATURE **Barry Brown, PE, November 30, 2023**

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



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: November 10, 2023

TO: ALL INTERESTED PARTIES

SUBJECT: AMENDMENT NUMBER 01

REFERENCE: REQUEST FOR QUALIFICATIONS (RFQ)
CONTRACT NUMBER 2024-011
Kingman - Ash Fork Highway (I-40) US 93/I-40 West Kingman T1

The following revisions are made to the referenced RFQ:

1. All references in the RFQ, ECS Consultant Contract Manual, ECS Information Bulletins and the ECS website related to submitting Statement of Qualifications (SOQ) through eCMS are hereby stricken. SOQ submittals will ONLY be accepted via email to the following address: ECSSOQ@azdot.gov. SOQs emailed to any other address will NOT be accepted.
2. Section 4.20, *Number 4. Professional Liability (Errors and Omissions Liability)*, subsection 4 b of the contract boilerplate, referenced in Section XVII of the RFQ, is changed:

From:

- b. In the event that the professional liability insurance required by this Contract is written on a claims-made basis, the Consultant warrants that any retroactive date under the policy shall precede the effective date of this Contract; and that either continuous coverage will be maintained or an extended discovery period will be exercised for a period of **three (3) years** beginning at the time work under this Contract is completed.

TO:

- b. In the event that the professional liability insurance required by this Contract is written on a claims-made basis, the Consultant warrants that any retroactive date under the policy shall precede the effective date of this Contract; and that either continuous coverage will be maintained or an extended discovery period will be exercised for a period of **eight (8) years** beginning at the time work under this Contract is completed.

*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.**Consultant Engineering, Inc.

CONSULTANT NAME

SIGNATURE **Barry Brown, PE, November 30, 2023**

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



CONSULTANT INFORMATION PAGES (CIP)

CONTRACT NO.: 2024-011

CONTACT PERSON: Barry Brown, PE

E-MAIL ADDRESS: bbrown@cei-az.com

TITLE: Project (Contract) Manager

CONSULTANT FIRM: Consultant Engineering, Inc.

ADDRESS: 10625 N. 25th Avenue, Ste. 200

CITY, STATE ZIP: Phoenix, AZ 85028

TELEPHONE: 602.885.9898

FAX NUMBER: 602.288.5593

DUNS #: 090529244

ADOT CERTIFIED DBE FIRM? (YES/NO)

No

SUBCONSULTANT(S):	TYPE OF WORK	ADOT CERTIFIED DBE FIRM (YES/NO)
Civil Solutions Engineering & Management, LLC	Engineering/Const. Admin., Inspection	Yes
Tristar Engineering & Management, Inc.	Engineering/Const. Admin., Inspection	No
Quality Testing, LLC	Materials Testing/Laboratory	No
WinTech Services, LLC	Field Office Management/Admin.	Yes
HDR Construction Control Corporation	Engineering/Const. Admin., Inspection	No

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

SUBCONSULTANT(S) TABLE:

SUBCONSULTANT FIRM NAME:	Civil Solutions Engineering & Management, L
CONTACT PERSON:	Timothy Fish, PE
E-MAIL ADDRESS:	tcfish@csem-az.com
TITLE:	Managing Member
ADDRESS:	8220a Randal Avenue
CITY, STATE ZIP:	Joseph City, AZ 86032
TELEPHONE:	480.390.5841
FAX NUMBER:	None
DUNS #:	081129329

SUBCONSULTANT FIRM NAME:	Tristar Engineering and Management, Inc.
CONTACT PERSON:	John Akin, PE
E-MAIL ADDRESS:	jakin@tristar-az.com
TITLE:	President
ADDRESS:	10625 N. 25th Avenue, Ste. 103
CITY, STATE ZIP:	Phoenix, AZ 85029
TELEPHONE:	602.568.4661
FAX NUMBER:	602.288.5592
DUNS #:	155825461

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.

SUBCONSULTANT(S) TABLE:

SUBCONSULTANT FIRM NAME:	Quality Testing, LLC
CONTACT PERSON:	Jeff Schaper, PE
E-MAIL ADDRESS:	jschaper@qt-az.com
TITLE:	President
ADDRESS:	175 S. Hamilton Place, Bldg. 6, Suite 114
CITY, STATE ZIP:	Gilbert, AZ 85233
TELEPHONE:	480.496.2000
FAX NUMBER:	4180.496.2001
DUNS #:	060354222

SUBCONSULTANT FIRM NAME:	WinTech Services, LLC
CONTACT PERSON:	Dorinda Winrow
E-MAIL ADDRESS:	dorinda@wintechservices.com
TITLE:	Owner/President
ADDRESS:	13557 Fairway Loop North
CITY, STATE ZIP:	Goodyear, AZ 85395
TELEPHONE:	602.361.7218
FAX NUMBER:	None
DUNS #:	098011205

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.

*Please confirm that each Subconsultant listed is in the eCMS database. If a Subconsultant's name is not in the eCMS database, contact ECS at E2@azdot.gov and allow two (2) business days to have the Subconsultant added to eCMS. Click [Here](#) check the eCMS database or go to ECS Website.

SUBCONSULTANT(S) TABLE:

SUBCONSULTANT FIRM NAME:	HDR Construction Control Corporation
CONTACT PERSON:	Maher Salah, PE
E-MAIL ADDRESS:	maher.salah@hdrinc.com
TITLE:	Vice President
ADDRESS:	1 S Church Avenue, Suite 1400
CITY, STATE ZIP:	Tucson, AZ 85701
TELEPHONE:	520.275.8404
FAX NUMBER:	520.584.3624
DUNS #:	929067437

SUBCONSULTANT FIRM NAME:	_____
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.

*Please confirm that each Subconsultant listed is in the eCMS database. If a Subconsultant's name is not in the eCMS database, contact ECS at E2@azdot.gov and allow two (2) business days to have the Subconsultant added to eCMS. Click [Here](#) check the eCMS database or go to ECS Website.

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

November 30, 2023

Date

Barry Brown, PE

Printed Name

Project (Contract) Manager

Title

SOQ SUBMITTAL CHECKLIST

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

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