

November 21, 2023

Arizona Department of Transportation  
Engineering Consultants Section  
205 South 17th Avenue, Mail Drop 616E  
Phoenix, Arizona 85007

**RE: ADOT ASU: College Avenue and University Drive Pedestrian Underpass - Contract No. 2024-007**

Dear Members of the Evaluation Team:

Bowman Consulting Group Ltd (Bowman) is interested in being selected for the Arizona Department of Transportation (ADOT) ASU: College Avenue and University Drive and Pedestrian Underpass project.

Bowman commits the key personnel identified within the submittal required to meet ADOT's quality and schedule expectations. With more than 2,000 staff nationwide and growing, we are able to commit the resources necessary to successfully deliver this project that will ultimately increase safety for ASU pedestrians.

Registered in Arizona since 1993, Bruce Larson, PE #26961, will serve as the project principal. Jay Yenerich, PE #37474, will serve as the project (contract) manager for the project. Both are dedicated engineers and have served Arizona residents for decades.

**Our team's qualifications are:**

- **Project (Contract) Manager, Jay Yenerich, completed the original 3 Ped Crossing Study** and was involved in Tempe Streetcar and worked with city staff to develop all the necessary IGAs.
- **Worked on the original 3 Ped Crossing Study** - Jay Yenerich, project manager, Bowman; Shantala Ramaiah, structures, Jacobs; Carrie Perrone, architect, SmithGroup; Rebecca Holman, cost estimating, Delta Star; Arvid Veidmark, Bluestake, SSC.
- **Long history of working with both ASU and Tempe** on multiple projects.

Bowman is not a DBE but will achieve the 10.44% DBE goal. We are pleased to partner with Lokahi (DBE) for traffic engineering, Delta Star (DBE) for cost estimating, Ethos Engineering (DBE) for geotechnical engineering, Jacobs Engineering for structural design, SmithGroup for architectural design, Central Creative (DBE) for public involvement, and Specialized Services Company for constructability review and budgeting.

Our proposed team brings the experience, leadership, relationships, and project knowledge to complete the **ASU: College Avenue and University Drive Pedestrian Underpass** project. Thank you for your consideration.

Sincerely,



Bruce Larson, PE  
Project Principal  
Executive VP and Western Regional Manager



Jay Yenerich, PE  
Project (Contract) Manager

# Part B. Forms

## Engineering Consultants Section SOQ Proposal Certifications Form

Contract #: 2024-007

Consultant Name: Bowman Consulting Group Ltd

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 <b>at least 51%</b> 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: Bruce Larson, PE

Title: Executive VP/Western Regional Manager

Signature: 

Date: November 21, 2023

Revised 2/11/2022

# Part B. Forms

**ARIZONA DEPARTMENT OF TRANSPORTATION  
ENGINEERING CONSULTANTS SECTION  
PARTICIPATION IN BOYCOTT OF ISRAEL - CONSULTANT CERTIFICATION FORM  
ADOT ECS Contract No.: 2024-007**

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.

Bowman Consulting Group Ltd				
Company Name			Signature of Person Authorized to Sign	
1600 N. Desert Dr., Ste. 210			Bruce Larson, PE	
Address			Printed Name	
Tempe	AZ	85288	Executive VP, Western Regional Manager	November 21, 2023
City	State	Zip	Title	Date

Participation in Boycott of Israel – Consultant Certification  
Form Revised - 4/28/2020

# Part B. Forms



## 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.

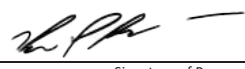
In compliance with A.R.S. §§ 35-394 et seq., all offerors must select **one** of the following:

<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"> <li>• Forced labor of ethnic Uyghurs in the People’s Republic of China;</li> <li>• Any goods or services produced by the forced labor of ethnic Uyghurs in the People’s Republic of China; or</li> <li>• 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.</li> </ul>
<input type="checkbox"/>	The Company submitting this Offer <b>does</b> participate in use of Forced Uyghurs Labor as described in A.R.S. § 35-394.
<input type="checkbox"/>	<b>Exempt Consultant.</b> Indicate which of the following statements applies to this Consultant (may be more than one): <ul style="list-style-type: none"> <li><input type="checkbox"/> Consultant is a sole proprietorship;</li> <li><input type="checkbox"/> Consultant has fewer than ten (10) employees; and/or</li> <li><input type="checkbox"/> Consultant is a non-profit organization.</li> </ul>

Bowman Consulting Ltd  
Company Name

1600 N Desert Dr, Ste 210  
Address

Tempe                      AZ                      85288  
City                                      State                                      Zip

  
Signature of Person Authorized to Sign

Bruce Larson, PE  
Printed Name

Executive VP/Western Regional Manager  
Title

# Part C. Evaluation Criteria

## 1. PROJECT UNDERSTANDING AND APPROACH

The underlying theme of everything the City of Tempe constructs is Vision Zero. The majority of Tempe efforts have been centered around Vision Zero since the initiative's kickoff meeting in 2018, which was attended by Bowman Project Manager Jay Yenerich. For Tempe and ASU, the College Avenue and University Pedestrian Underpass project will accomplish several objectives. ASU aims to ensure the safety of its students and remove the risks associated with crossing University Drive. These objectives will be met when this project is built. As a major point of entry into ASU, this project will have long-term effects and provide students on the north side of campus with a cornerstone area. The proposed Bowman Team includes five members of the initial 2020 study team.

### Tasks Involved

**Stage I.** The Bowman Team is ready to proceed through each of the phases specified in the RFP. Communication will be essential to keeping ASU and Tempe informed during the process. **Our public involvement process will garner buy-in from the community, transportation commission, and council.** The preliminary design and alternative analysis will be the main topics of the first Stage I Design Submittal. This will entail carrying out an extensive preliminary design analysis, considering alternative alignments, and supplying 15% drawings and cost estimates. In addition, Stage I will address right-of-way needs, and temporary construction easements and utility impacts through the creation of an existing utility Building Information Modeling (BIM) model. Reports will include:

- Alternatives Alignment Report
- Geotechnical Investigation/Pavement Design Report
- Environmental Studies and Clearances
- ADA Compliance and Feasibility Report

**Stage II.** As the alignment is finalized based on feedback from Stage I, the project will gain depth as it moves on to Stage II design submission. The creation of comprehensive construction plans, technical specifications, and updated quantity and estimate computations are all part of this stage. The design team will also concentrate on developing a sequence for the construction phase. **We will explore constructability choices and identify the fastest and most cost-effective construction method.** Our utility coordinator will carry on developing the utility designs and refining the BIM model.

**Stage III.** The process of refinement starts with the Stage III design submittal. Based on input from earlier phases,

the design is further refined, paying close attention to environmental studies and obtaining the required permits. At this point, integrating security features like cameras and highlighting the principles of Crime Prevention Through Environmental Design (CPTED) are essential elements to improving overall safety and security in the underpass. 360 Degree models and photosims will show how the tunnel fits within the landscape of the existing intersection.



**Stage IV.** The Stage IV design submittal marks the near-final phase of the project. The design details will be finalized to address any outstanding issues from the previous stages. Plans, specifications, and estimates will be prepared and submitted. To make sure there are no design conflicts, our finalized BIM model will be cross-referenced with each of our designs. To help stakeholders grasp the project's goal, a final visualization will be created.

**Stage V.** The project will go through its last set of preparations at the Stage V (Bid-Ready) submittal. All aspects will be fine-tuned through detailed reviews and refinements based on input from previous phases. Contracts and specifications will be prepared to initiate the bidding process. Bid advertising materials, combined with detailed cost estimates, will be developed for project bidding, marking the project's readiness for the construction phase.

**Construction.** The team will complete all post-design services.

### Identify Special Issues and Approach for Dealing with Tasks and Issues

In approaching the various tasks and issues associated with the pedestrian underpass project, a comprehensive and strategic methodology is essential to ensure successful planning, design, and implementation. The Bowman Team will approach all tasks integrating collaboration, innovation, and community engagement. This forms the cornerstone of our strategy.

## Part C. Evaluation Criteria

A collaborative framework will be established with open communication and partnership between Tempe and ASU and other stakeholders. We will engage in dialogue with utility providers, chosen artist, public, Newman Center and others to streamline coordination efforts, enabling seamless integration of utilities, artistic elements, and project needs.

Innovation will be a driving force, leveraging cutting-edge technology and sustainable practices to address complex challenges. Advanced CADD and BIM will be utilized to enhance precision in the plans and visualizations. Smart technologies, including integrated security systems, lighting, and intelligent transportation infrastructure, will be incorporated, ensuring safety within and around the underpass.

**1. Public Artwork Integration.** Integrating art will enhance the overall aesthetics of the pedestrian underpass. Our Project Manager, Jay Yenerich directed the integration of public art for Tempe Streetcar and three other Valley Metro light rail projects.

*'Jay's engineering and construction knowledge, combined with his flexible and creative problem solving gave him unique insight in dealing with our public art challenges.'*

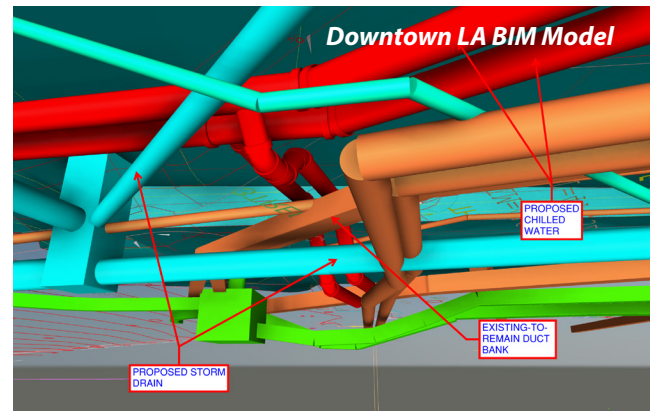
*~ MB Finnerty, Public Arts Administrator, Valley Metro*

**2. Community Engagement.** Project visualization is a powerful tool that allows stakeholders and the community to grasp a project's design and impact. **SmithGroup** will lead this effort by developing a 360-degree comprehensive visualization to depict the underpass from various angles, showcase design details, and simulate the pedestrian experience. Concerns will be addressed with the use of visualization, creating a more knowledgeable community.

**3. Safety.** CPTED principles involve designing the physical environment to deter criminal behavior and enhance safety. For the pedestrian underpass, implementing CPTED measures will include lighting placement, clear sightlines, no secluded areas, and using natural surveillance techniques. Properly designed landscaping and well-lit pathways will ensure that the underpass is a secure and inviting space for pedestrians. Team member **Jacobs** and Project Manager Jay Yenerich worked together on the Gilbert Road LRT Extension to implement CPTED practices.

**4. Utility Coordination.** Coordinating utilities is a critical aspect of this project and will involve intricate planning to avoid disruptions to essential services during construction.

We will develop an **Advanced Utility Relocation (AUR)** to assure that all utilities are out of the way of the proposed underpass alignment. The SRP irrigation and the sewer line will need to be completed well in advance. We propose using BIM to show utilities in the corridor for relocation.



**5. Construction Impact to the Public.** We will determine the best strategies to minimize disruption to ASU, businesses, and residents during the construction phase. We will schedule the construction after the AURs are completed and when we can bring in the tunnel structures. **Specialized Services Company (SSC)** will provide constructability reviews. Scheduling noisy construction activities during the night and providing alternative pedestrian routes will be explored.

### Understanding of Technical and Institutional Elements

We understand the technical elements of the project. We will develop three alternative alignments for consideration, prepare preliminary cost estimates, 360 renderings, and a project-specific public involvement plan, coordinate with various stakeholders as outlined in our schedule, get permits, write reports, perform geotechnical investigations, determine temporary traffic control during the construction phase, complete plans, specifications, and opinions of probable cost estimates at different design submittals (Stages I, II, III, IV, and Final), all through the lens of Vision Zero and CPTED for the entire project.

Additionally, we understand the dynamic nature of the relationship between Tempe and ASU, and we can reach consensus and develop a project that fulfills the goals of each party. Project manager Jay Yenerich collaborated with ASU and Tempe during the initial study to ensure that their concerns were given equal weight.

# Part C. Evaluation Criteria

## 2. PROJECT RISKS AND SCHEDULE

### Tentative Schedule

Our proposed schedule is subject to change as the project progresses and as city staff requests. Due to the late start, we request a conditional notice to proceed to advance the three 15% designs to a level so they can all be fully estimated correctly and then taken to the Commission, Council, and the public before summer. We will have commission updates throughout the year. Through the summer, the team will work on Stage II. In the fall, we will work on Stages III and IV. At the end of Stage IV (95%), we will present again to the

council and the public. Should any requests be needed at that time, they will be included in the Stage V (100%).

We have timed Commission and Council briefings to precede public meetings because we know how important it is for City leadership to be aware and have an opportunity to weigh in on what is being shown to the public prior to that happening. We also have suggested three public meetings at each of two key project milestones (30 and 95 percent design), so that we can offer a variety of days/times to maximize public participation early in the design process and prior to finalization.

Task	Description	Feb 24	Mar 24	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Oct 24	Nov 24	Dec 24	Jan 25	Feb 25	Mar 25
1	Conditional NTP														
2	Notice to Proceed														
3	Public Meetings (3 at each of two key milestones)														
4	Commission Meeting														
5	Tempe City Council														
6	Stage I (15%) Design Options and Estimates														
7	Stage II (30%)														
8	Stage III (60%)														
9	Stage IV (95%)														
10	Stage V (100%)														
11	Team Meetings														

LEGEND	Public Meeting	Commission Meeting	Tempe City Council	Design Due	Team Meeting
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### Strategies to Avoid Schedule Slippage

We assembled our suggested team of experts as we awaited the release of the RFQ. We will keep working on creating a detailed project plan that outlines the objectives, due dates, resources, and milestones. A comprehensive Gantt chart will be used to build on the suggested schedule. To finish the project with the least amount of negative influence on the community, we will work to meet deadlines with a realistic but aggressive timeline.

Effective communication is essential for every project. We will establish clear lines of communication among team members, stakeholders, and subconsultants. The Bowman Team will meet on a regular basis to go over the status of

the project, obstacles, and next steps. We'll promote candid communication to quickly resolve potential issues. We will pay close attention to the areas included in our risk register below and act to mitigate and manage the risks that we have identified as having the potential to impact the project timeline.

As circumstances change, the Bowman Team will be adaptable and ready to modify the project timetable. In the event of unforeseen circumstances, we will create backup plans and explore other options to maintain the project's progress. To avoid rework and schedule delays, we will ensure that our QA/QC procedures are followed and that the work is finished to Bowman standards from the start.

# Part C. Evaluation Criteria

## Tentative Risk Register

For every project, it is essential to comprehend risk. Subjective in nature, the severity, impact, and probability levels will be further developed after the project gets underway. Furthermore, risk owners will be allocated to the project’s development. We’ve started taking some preventative action. Throughout the course of the project, the Bowman Team will make sure the risk register is up to date and functional with frequent updates and reviews.

Risk ID	Risk Description	Risk Category	Risk Impact	Risk Probability	Risk Severity	Mitigation Measures	Contingency Plans
R1	SRP irrigation	Technical	High	Medium	High	Coordinate with SRP regularly and ensure their design meets the requirements of the project	Provide SRP designs. We design many private irrigation lines and can assist as needed with SRP
R2	Sewer Line	Infrastructure	High	Medium	Medium	Pothole at multiple locations to identify all elevations. Build BIM model to assure no conflicts	Redesign sewer line to accommodate syphon, may lengthen construction limits
R3	Tunnel drainage	Technical	High	Low	Medium	Advanced drainage systems, continuous monitoring	Emergency pump systems
R4	Real estate impacts	Legal/Regulatory	High	High	High	Legal consultations, compliance with regulations	Negotiate, explore legal solutions
R5	Unforeseen project cost escalations	Financial	High	High	High	Thorough cost estimation, ongoing budget reviews	Secure additional funding, reevaluate budget. Bowman has identified a separate consultant who specializes in grants (via change order, if needed).
R6	Safety during construction	Safety	High	Medium	High	Implement safety protocols, regular safety training	Emergency response plans, medical facilities on standby
R7	Tunnel maintenance challenges	Technical	High	Medium	High	Design nearly maintenance free crossing.	Develop SOPs for quick response teams, backup maintenance contractors through Tempe JOC
R8	Length and design of ADA ramps	Accessibility	Medium	Medium	Medium	Adhere to ADA guidelines, involve accessibility consultants	Modify ramp designs, consider alternative accessibility paths
R9	Impacts to historic church	Cultural/Historical	High	Medium	High	Collaborate with SHPO/CHPO preservation experts, fully vet impacts during environmental review	Modify construction plans to minimize impacts, negotiate with church
R10	Construction disruption	Operational	High	High	High	Communication with stakeholders, phased construction	Provide alternative access, quick timelines for returning traffic to University

# Part C. Evaluation Criteria

## 3. TEAM EXPERIENCE AND AVAILABILITY

### Summary of Experience and Qualifications of Contract Manager and Key Personnel

#### **Jay Yenerich, PE | Project (Contract) Manager | BOWMAN.**

With over 25 years of experience, Jay has designed a variety of multi-modal and highway projects participating in the full life-cycle including planning, design, and construction. Jay worked on the ADOT Wrong-Way Driving Study where he was deputy project manager and technical lead providing research and engineering services to identify products that would stop wrong-way crashes. Jay worked with ADOT Project Manager Bill Stone to revise documentation with the best solutions for the Arizona highway system. Additionally, he performed all monthly requirements for ADOT billing summaries/reimbursement requests. Further, Jay was the project manager for the original **3 Ped Crossing Study**. Jay has in-depth knowledge of this project location. Jay was the design manager at Valley Metro working with Tempe staff to develop the operations and maintenance agreements and the design and construction agreements, which laid out the foundation for Tempe Streetcar.

*Concurrent projects: Freeport McMoRan 5%, Valley Metro Traffic Signal Integration 30%.*

**Brad Lasky, PE | Utility Coordinator/Senior Engineer | BOWMAN.** Brad is a civil engineer with subsurface utility and heavy civil management, design, and field experience specializing in the implementation of challenging utility relocations in downtown Los Angeles and other cities.

**Shantala Ramaiah, PE | Structural Engineer | JACOBS.** Shantala oversaw the **3 Ped Crossing Study** structural concept development, which sped up the delivery of the bridge and structural PS&E components. She contributes technical know-how to every aspect of structural design, including underpasses and overpasses for pedestrians. She has prepared pedestrian bridge plans for ADOT LPA contracts, has worked as a project delivery project manager within ADOT PMG, and is aware of the institutional requirements for delivering LPA projects. Shantala creates innovative preliminary and final structural design concepts that lower overall bridge and wall costs while enhancing safety and mitigating risk.

**Nancy Shelton | Lead Environmental Planner | JACOBS.** Nancy worked on the original **3 Ped Crossing Study**, providing environmental QA/QC. She offers fatal flaw evaluations, monitors environmental compliance across all technical resource disciplines, and maintains environmental

documentation for ADOT final design projects. She has worked on hundreds of environmental compliance projects and has NEPA experience. In order to preserve compliance and environmental integrity, Nancy keeps track of adherence to environmental promises made throughout design and construction.

**Carrie Perrone, AIA | Lead Architect | SMITHGROUP.** Carrie oversees the Higher Education Studio for SmithGroup's Phoenix office. She led architectural work on the original **3 Ped Crossing Study** and will collaborate across disciplines to address the complexity of this unique project for ADOT/ASU's Pedestrian Underpass engaging her partners focused in urban design, campus planning, specialty lighting, and engineering services. Carrie will lead the client interface and ensure cohesion and communication across the design team.

**Rick Jones | Landscape Architect | SMITHGROUP.** Working closely with the Bowman Team Rick will provide site planning and lead the hardscape and landscape design process. Leading design presentations to stakeholders and community collaboration are key functions of his role. Just as he did on the College Avenue Streetscape project, Rick will provide excellent service for the Pedestrian Underpass.

**Rebecca Holman | Cost Estimator | DELTA STAR.** Rebecca is the president and chief estimator of Delta Star. She has devoted her career to project controls on large construction projects for the past thirty years. Her portfolio of projects includes transportation, light rail, bus operations and mainline freeway construction.

**Marina Stender, PE, PTOE | Traffic/Safety Designer | LOKAHI.** Marina's traffic engineering design experience includes project management and production of signing and pavement marking plans, construction sequencing and traffic control, traffic signal design and street lighting. She has managed and delivered numerous traffic studies and design projects ranging from urban freeway to local streets.

**Francisco (Pancho) Garza, PE | Geotechnical Engineer | ETHOS.** Pancho's key areas of experience involve analysis, design and recommendations on numerous projects including roadways, pavement, bridges, retaining walls, dams, mines, pipelines, single and multi-story structures, and commercial and residential developments. His primary focus has been geotechnical investigations for transportation-related projects, and he has been involved with more than 200 roadway projects. His expertise includes project management, performing and supervising geotechnical

# Part C. Non-Technical Evaluation

field and laboratory investigations, project coordination, soil nail wall design, pavement design, slope stability analysis, landslide instrumentation monitoring and geotechnical and foundation design report preparation.

**Kristin Darr | Public Involvement | CENTRAL CREATIVE.**

Kristin is owner and founder of Central Creative and has more than 30 years of experience designing and facilitating stakeholder and public involvement programs for federal, state, regional, county and local governments as well as private developers and utilities. Kristin is well known for providing outstanding service throughout the State of Arizona and will provide all public involvement services required for this contract.

**Arvid Veidmark | Constructability Reviewer| SSC.** As constructability and design consultant, Arvid will lead the team with selecting the best underground method available from today’s technologies, and provide design assistance and review for the construction portions of the project. With over 30 years of hands on experience in construction in Arizona soils, Arvid provides expert information to contribute to the successful creation of project designs, method selection and specifications. He has served as a technical advisor to the Maricopa Association of Governments on the re-creation of MAG Specification Sections 602 and 608.

Key Personnel	Corporate Title	Avail / Commit
Jay Yenerich, PE <i>Bowman</i>	Market Sector Leader Transportation Engineer	65% 35%
Brad Lasky, PE <i>Bowman</i>	Utility Manager	50% 50%
Shantala Ramaiah, PE <i>Jacobs</i>	Project Manager Structural Engineer	70% 30%
Nancy Shelton <i>Jacobs</i>	Environmental Planner Project Manager	65% 35%
Carrie Perrone, AIA <i>SmithGroup</i>	Higher Education Studio Leader / Principal	20% 80%
Rick Jones <i>SmithGroup</i>	Landscape Architect	20% 80%
Rebecca Holman <i>Delta Star</i>	Senior Cost Estimator	25% 75%
Marina Stender, PE, PTOE <i>Lokahi</i>	Traffic Engineer	15% 85%
Pancho Garza <i>Ethos</i>	Sr. Geotechnical Engineer/Principal	45% 55%
Kristin Darr <i>Central Creative</i>	Principal / Owner	50% 50%
Arvid Veidmark <i>SSC</i>	President	15% 85%

**Recent Relevant Experience**



**Arizona Cardinals Pedestrian Bridge (Prime)**

*Glendale, AZ*

Bowman prepared construction documents for pedestrian travel from the newly built parking lot south of Cardinals Way to State Farm Stadium that included new ADA-compliant pedestrian walkways that lead to the entry gates. Bowman provided structural design for the pedestrian underpass, which consisted of a three-sided precast structure and custom cast-in-place head walls at both ends, tied with tall cast-in-place concrete retaining walls. The Arizona Cardinals logo was imprinted onto the sides of the tunnel walls for branding and aesthetics. Additionally, Bowman designed two pedestrian bridges: a structure over the SRP Grand Canal and a structure over the Maricopa County Outfall Channel. Project design, which included the relocation of existing water, storm drain, electrical, and communication utility lines. An SRP 12KV distribution duct bank had to be relocated vertically and horizontally to avoid conflicts with the pedestrian underpass. Because the pedestrian underpass was at a lower elevation than the surcharge water level of the nearby storm drain main line, provisions were made to allow drainage for storm water. The schedule (6-month) required all work being done during the NFL offseason.

## Part C. Evaluation Criteria



### Western Springs Pedestrian Underpass for BNSF RR Crossing (Prime)

*Western Springs, IL*

Bowman provided engineering services for a pedestrian underpass beneath the BNSF. A soldier-pile retaining wall was utilized to accommodate staged construction and lessen the impact on BNSF's operations. Bowman designed the cantilever soldier-pile retaining wall and constructed under live railroad traffic. The staged construction allowed for the construction of the new pedestrian tunnel and facilitated the construction of the new BNSF railroad bridge. The soldier-pile walls under the BNSF tracks consisted of HP14 x117 piles with variable spacing. Wingwalls utilized HP14x89 sections. All wall segments used cast-in-place concrete facing attached to the piles with steel shear studs.



### SDSU Mission Valley + Snapdragon Stadium (Prime)

*San Diego, CA*

Our team was selected to lead the design team for San Diego State University (SDSU), which aspires to build a world-class university campus, research center, and multi-use stadium in Mission Valley. SDSU Mission Valley will include a 35,000-seat stadium, a 1.6M sq. ft. research and innovation district, a transit station, 95,000 sq. ft. of retail, 4,600 housing units, and the development of more than 80 acres of community parks and open space, including the 34-acre River Park. In addition to the design lead, we provided civil engineering, land surveying, landscape architecture, and water resources services for the catalytic project that is the SDSU Master Plan and Snapdragon Stadium.

#### Subconsultants Notable Expertise/Increase in Capacity

**JACOBS.** The study that came before this contract was one of the many pedestrian bridges that the Jacobs staff has completed around the metropolitan Phoenix area. Their team will expedite concept development and constructability within the project's urban context by utilizing this experience.

**SMITHGROUP.** SmithGroup, is the nation's longest-serving architectural/engineering firm. With a remarkable portfolio spanning design, architecture, landscape architecture, and lighting design. Their integrated approach, and design expertise make them an invaluable asset to the team. Their work on the College Avenue Streetscape gives them valuable insight into area and the Pedestrian Underpass project.

**DELTA STAR.** Delta Star is a certified woman-owned DBE/SBE cost estimating firm that has worked with ASU and Tempe. They worked on the **3 Ped Crossing Study**.

**LOKAHI.** Lokahi is a certified woman-owned DBE/SBE full-service traffic engineering firm that focuses specifically on traffic, MOT and roadway lighting. Lokahi will create unique solutions for MOT during construction.

**ETHOS.** Ethos is a Tempe-based DBE and SBE providing geotechnical engineering services for freeways and highways, bridges, retaining and sound walls, and misc. structures. Their team members have managed more than 400 ADOT projects involving geotechnical elements such as deep and shallow foundations, structures including bridges and walls, ground movement and improvement, and pavement design.

**CENTRAL CREATIVE.** Central Creative, a certified woman-owned DBE/SBE located in Phoenix, Arizona is a full-service strategic communication firm that focuses specifically on the stakeholder and community involvement that is needed for the planning, permitting, design, and construction of infrastructure projects.

**SSC.** SSC is a full-service underground construction contractor. Their knowledge of subsurface construction will bring value to the team as we strategize the best method for developing the underpass.

## Jay Yenerich, PE

*Project (Contract) Manager*

### Education

B.S., Civil Engineering, The University of Texas at Austin

M.S., Civil Engineering, The University of Texas at Austin

### Registrations

Professional Engineer: Arizona PE #37474, Colorado PE #59275, Idaho PE# 10209, Texas PE# 138643

### Associations

American Public Transit Association (APTA)

American Society of Civil Engineers (ASCE)

Institute of Traffic Engineers (ITE)

Transportation and Development Institute (T&DI)

Jay Yenerich is the Market Sector Leader for Bowman. He is experienced on a wide variety of multimodal and highway projects participating in the planning, design and construction of projects. As a client, Jay led transit procurements and negotiated scope and fees for over \$50 million of design and construction work. Additionally, his experience includes implementing transit signal priority, ITS design, fiber optic design, corridor and environmental impact studies, construction cost estimation, and intersection, roadway, and freeway interchange design.

### Experience

#### **Three Pedestrian Crossings\*** | *Tempe, AZ*

For the ASU design study of three pedestrian crossings, which included several design options at each site, Jay served as the project manager. Initial cost estimates were completed (with different options) for a tunnel and overpass at University Drive and College Avenue and 6th Street, and Rural Road and the Terrace Road and Rural Road overpasses. Value engineering changes made and new estimates were prepared following review by ASU and city staff.

#### **ADOT Wrong-Way Driving Study\*** | *Phoenix, AZ*

Jay was the deputy project manager and technical lead for the team of CivTech Inc., Scutari & Co., ASU Research Enterprise, and AECOM. The team provided research and engineering services to identify products that would stop wrong-way crashes on Arizona highways. This project researched multiple aspects of this issue. Six memoranda were drafted that described the crash data and trends from 2015 through 2018; identified potential products and technologies, identified whether any changes would be needed to existing Arizona standards, regulations, or statutes in order to implement devices or technologies not yet considered; detailed the requirements for integrating vehicle-stopping devices and technologies into the ADOT wrong-way vehicle detection system; using a robust matrix provided a consistent method for comparing wrong-way vehicle stopping products and technologies that have different capabilities and specifications; and provided results of applying the criteria developed in previous tasks that could be used to integrate the identified wrong-way vehicle stopping systems with the existing ADOT wrong-way driving detection system.

#### **Culdesac Mixed-Use Community\*** | *Tempe, AZ*

Jay was the project manager for a new urban mixed-use project void of residential parking. Jay performed a traffic impact analysis, completed a parking study, and provided general engineering consulting for bicycle, pedestrian, and other multimodal connections. He used AutoTurn to demonstrate how small moving trucks could move through the neighborhood and where trash receptacles should be placed. During the development of the site, Jay provided design guidance to the Culdesac staff for transportation-related issues, including a bike lane, parking configuration, and a new eastside ADA-accessible pedestrian entrance to the light rail station. Subsequently, the design for the pedestrian crossing across the light rail alignment was completed. Jay coordinated with Valley Metro and Tempe staff to retrofit an existing LRT platform for residents traveling from Culdesac to the station.

\* Experience prior to joining Bowman

## Brad Lasky, PE

*Utility Coordinator*

### Education

B.S. Civil Engineering, Colorado State University

### Registrations

Professional Engineer: Arizona (#76709), California (#22353), Nevada (#028870)

Brad Lasky is a civil engineer with subsurface utility and heavy civil management, design, and field experience specializing in the implementation of infrastructure projects in challenging regulatory and budgetary environments across the United States.

### Experience

#### **107th Avenue and Broadway Road** | *Phoenix, AZ*

Utility Manager. Brad's responsibilities included interfacing with public and private utility purveyors in order to ensure feasibility and constructability of proposed design. Challenges included three different public jurisdictions (Avondale, Maricopa County, and City of Phoenix) as well as sensitivities regarding relocation of existing Centurylink facilities, APS pole locations, and relocation or abandonment of various irrigation channels within existing and proposed easements. Bowman was selected to design the south half of Broadway Road to meet City of Phoenix standards and the east half of 107th Avenue to meet MCDOT standards. Additionally, Bowman completed civil design, sewage, water, and construction surveys and coordinated with APS and private irrigation to pipe their facilities. The improvements included curbs and gutters, walkways, catch basins, and related storm drains to connect to subterranean retention tanks. To decide which standards and who would provide approval along the surrounding city and county lines, cooperation and communication were crucial factors at the intersection. The start of construction is anticipated for late 2023.

#### **Purple Line Extension\*** | *Los Angeles, CA*

Utility Manager. Brad performed civil and subsurface utility engineering that included the preparation of existing, temporary, and proposed utility drawings, alternative analysis, specifications, reports, design calculations, permit applications, exhibits, and cost estimates to produce contract drawings and specifications necessary for constructing a three-phase, \$8.2B subway project. He coordinated design efforts with multiple technical disciplines and completed the technical review of a variety of plans, specifications, agreements, and documents. RFP was on-time and NTP was given early.

\* Experience prior to joining Bowman



## Shantala Ramaiah, PE

LEAD STRUCTURAL ENGINEER

For over 22 years, Shantala has developed scoping, pre-design, and final design documents for numerous bridge projects throughout metropolitan Phoenix, including pedestrian bridges. Her expertise includes pedestrian bridge installation, bridge rehabilitation, bridge replacement, and multi-use path improvements. She is knowledgeable of federal, state, and industry standards and facilitates compliance with regulatory agencies providing oversight. By connecting with the project partners early and frequently, Shantala provides the tools necessary to facilitate informed decision making, which then feeds into the design concepts, drives innovation, avoids costly rework, and keeps your projects on schedule. Additionally, she has served as a Project Delivery Manager within PMG, bringing knowledge of your institutional requirements for delivering LPA projects.

### EDUCATION/QUALIFICATIONS

MSE, Structural Engineering, University of Texas at Austin

BSE, Civil Engineering, University of Arizona

### REGISTRATIONS/CERTIFICATIONS

Professional Engineer (Civil):  
AZ #41476

### YEARS OF EXPERIENCE

Total: 22 / With Jacobs: 14

### Relevant Project Experience

**Jacobs Project Manager and Structures Lead; Arizona State University (ASU), ASU Pedestrian Bridges and Underpass.** Jacobs provided 15% concept plans for structural and ventilation design for three pedestrian structures for ASU. Overpasses required accommodating light rail infrastructure and satisfying Valley Metro as well as ADA access requirements. The pedestrian underpass was designed to meet ADA and natural ventilation requirements. *Her knowledge of the stakeholders' goals and priorities from the study phase will help to streamline project delivery of the underpass.*

**Project Manager; ADOT, Stadium Trail Phase 2 Pedestrian Bridge and Multi-use Path.** Shantala served as the project manager for the final design of a 440' multi-use path, undercrossing at 75th Avenue, and a pedestrian bridge over Skunk Creek providing trail connectivity to the Peoria Sports Complex. The project includes Bridge Selection, Materials Design, Hydraulics and Foundation Reports, Bridge Aesthetic Renderings, Floodplain Impact Analysis, modification of FCDMC weir/grade control structure, scour analysis under 75th Ave., embankment stabilization, and 408/404 Permits.

**Project Manager; City of Phoenix, Papago Park Pedestrian Zoo Bridges and Trail.** Shantala led the development of structural plans for three pedestrian bridges to support pedestrian passage from the Phoenix Zoo through Papago Park over a wash. We were responsible for providing survey and bridge layout, determining drainage demands, reviewing cast-in-place concrete arch structure design, structural inspection, and verification of design changes during construction. Together, the three bridges allow safe, continuous passage through the park.

**Project Manager; City of Phoenix, 40th Street and Van Buren Bridge Replacement.** Project Manager for the final design of the 1927, three-span reinforced concrete bridge replacement over SRP's Grand irrigation canal. The new bridge will require raising of intersection and approach roadways and driveway tie-ins, and replacement of intersection traffic signals currently connected to the bridge superstructure. The greatest challenge is maintenance of traffic given the bridge's location in the middle of the intersection, and over the canal. SRP maintenance roads as well as public multi-use paths paralleling the canal will be maintained and modified to accommodate the raised profile. Electric, gas, water, and communication lines exist above and below the canal.

**Project Manager; ADOT, Pinal Creek Bridge at Cottonwood, Str. No. 9711** Project Manager for final design of the replacement for this 1920, five-span slab bridge over Pinal Creek in the City of Globe, AZ. Proximity of the railroad 27ft away required maintaining roadway profile and constructing a sleek structure to enable maintaining hydraulic section as well and roadway profile. NCHRP, MASH-equivalent barrier was implemented to maintain hydraulic section during overtopping events.



## Nancy Shelton

### ENVIRONMENTAL LEAD

Nancy is an environmental planner with more than 23 years of NEPA compliance, natural resource management, and planning documentation experience, and has cleared over 100 projects for ADOT and LPAs. Her understanding of the protocols, procedures, and guidelines allow her to assist ADOT and local governments in obtaining timely project clearances. Her insights on projects and inter-disciplinary team design helped form the foundation for proactive scheduling approaches and effective budget and resource management. She is known for her ability to visualize overall project needs and to delegate and manage tasks. Nancy's experience updating environmental documents for ADOT final design projects allows her to quickly raise red flags, while performing fatal-flaw analyses of designs against the impacted environmental resources.

### Relevant Project Experience

**Environmental Lead; ADOT, Catalina State Park Bridge.** During storm events, the at-grade crossing becomes inundated with sediment and traps park visitors until equipment can clear the road. To mitigate this safety risk, a new grade-separated crossing will be constructed to accommodate vehicular, pedestrian, and bicycle traffic to allow all visitors safe access to the park. As the environmental lead, Nancy prepared the Section 404 permit application and delineation, biological evaluation, and Preliminary Initial Site Assessment. The project included close coordination between ADOT (lead federal agency), Arizona State Parks, and the Coronado National Forest.

**Environmental Oversight; ADOT, Stadium Trail Phase 2 Pedestrian Bridge and Multi-use Path.** Nancy served as the environmental lead for the final design of a 440' multi-use path, undercrossing at 75th Avenue, and a pedestrian bridge over Skunk Creek providing trail connectivity to the Peoria Sports Complex. The project includes Bridge Selection, Materials Design, Hydraulics and Foundation Reports, Bridge Aesthetic Renderings, Floodplain Impact Analysis, modification of FCDMC weir/grade control structure, scour analysis under 75th Ave., embankment stabilization, and 408/404 Permits.

**Environmental Oversight; City of Phoenix, 40th Street and Van Buren Bridge Replacement.** Nancy was the environmental lead for the final design of the 1927, three-span reinforced concrete bridge replacement over SRP's Grand irrigation canal. The new bridge will require raising of intersection and approach roadways and driveway tie-ins, and replacement of intersection traffic signals currently connected to the bridge superstructure. The greatest challenge is maintenance of traffic given the bridge's location in the middle of the intersection, and over the canal. SRP maintenance roads as well as public multi-use paths paralleling the canal will be maintained and modified to accommodate the raised profile. Electric, gas, water, and communication lines exist above and below the canal.

**Environmental Project Manager; ADOT, On-Call Environmental Planning.** Nancy provided environmental clearances for projects located throughout the state. She performed field assessments of project sites to evaluate biological, socioeconomic, and cultural resources impacts as well as physical impacts. Her projects required coordination with federal, state, and local agencies, as well as various tribes. She drafted environmental determinations, CEs, and EAs to provide clearances for projects. Nancy also assisted ADOT with Section 4(f) compliance by completing tasks including and individual Section 4(f) evaluation, preparing Section 4(f) summary memoranda, completing the new Section 4(f) form, and coordinating with officials with jurisdiction.

**Environmental Lead; ADOT, I-17 Verde River Bridges.** This project included bridge scour retrofit measures to preserve the integrity of the northbound and southbound I-17 bridges at the Verde River.

### EDUCATION/QUALIFICATIONS

MEP, Natural Resource Management, ASU

### REGISTRATIONS/CERTIFICATIONS

N/A

### YEARS OF EXPERIENCE

Total: 23 / With Jacobs: 8

# CARRIE PERRONE

AIA, LEED AP



Carrie has 21 years of experience in the field of architecture. As Higher Education Studio Leader in Phoenix, she understands the ways in which key drivers of change – such as the student experience, emerging pedagogies, and interdisciplinary partnerships – are impacting planning and design of the built campus environment. Carrie's role is holistic, communicating successfully with the client, the design team, as well as the extended project team, from concept to completion.

**EDUCATION:** Bachelor of Architecture, University of Arizona

**REGISTRATIONS:** Registered Architect: Arizona

**PROFESSIONAL AFFILIATIONS:** American Institute of Architects

### **ARIZONA STATE UNIVERSITY + CITY OF TEMPE PEDESTRIAN CROSSING STUDY\***

**Tempe, Arizona.** Worked collaboratively with the engineering led team, the City of Tempe and ASU, to study three potential pedestrian crossing locations along University and Rural Road. The team provided conceptual designs integrating structural design requirements, utility integration, and pedestrian and vehicular traffic analyses.

### **ARIZONA STATE UNIVERSITY, TEMPE CAMPUS NEW ACADEMIC BUILDING\***

**Tempe, Arizona.** The new five-story academic facility will replace the existing Wilson Hall. Its unique location at the intersection of the Hayden Lawn and Orange Mall the building creates shaded permeable student centric first floor.

### **ARIZONA STATE UNIVERSITY, TAYLOR PLACE RESIDENCE HALL**

**Phoenix, Arizona.** A 366,500 gsf mixed-use structure containing 10,000 sf of retail space at street level with two 12-story towers of residential student housing, a dining/serving hall, and multiple interaction spaces on each level. The first tower, containing 744 beds, was designed for freshman in a two-bed-per-room format, while tower two, with 540 beds, was geared toward sophomores with a private, one-bed-per-room arrangement.

### **CENTRAL ARIZONA COLLEGE, MASTER PLAN AND PHASE I**

**Maricopa, Arizona.** The initial phase of the campus was approximately 77,000 gsf comprised of a student services building, learning center, instructional building and central plant. The new campus caters to the needs of the surrounding community and feature a culinary arts program, bookstore, teaching laboratories and community room.

### **GATEWAY COMMUNITY COLLEGE, NEW INTEGRATED EDUCATION BUILDING**

**Phoenix, Arizona.** A 121,000 gsf multi-story facility housing classrooms, life/physical science labs, library and computer commons, and one-stop student services center. Certified LEED Gold.

*\*Work completed prior to SmithGroup*

# LEAD LANDSCAPE ARCHITECT

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## RICK JONES

ASLA, PLA, SITES AP



As Landscape Architect, Rick has more than 20 years of experience, working on multiple project teams in all phases of the design process to create the theme and identity for each project. He is directly responsible for leading team members through the project process and ensuring that design goals are maintained throughout the implementation of the project. Client interface, contractor coordination and project QA/QC are key functions he administers to produce well documented projects on time and within budget. Rick's knowledge of regional plant palettes, hardscape materials and construction methods are what make him an asset to our team.

**EDUCATION:** Master in Environmental Planning, Arizona State University | Bachelor of Science in Landscape Architecture, Arizona State University

**REGISTRATIONS:** Landscape Architect: Arizona, Idaho, Texas, SITES Accredited Professional

**PROFESSIONAL AFFILIATIONS:** American Society of Landscape Architect, U.S. Green Building Council

### ARIZONA STATE UNIVERSITY, COLLEGE AVENUE STREETScape

**Tempe, Arizona.** As a public space, College Avenue will provide a perfect test case for creating a new hybrid form of urbanism on campus, one that is iconic, memorable, flexible, and changing. Neither a pedestrian mall nor a car-dominant roadway, but a lively, programmable space that can adapt to multiple needs and users.

### ARIZONA STATE UNIVERSITY, MUSIC/FARMER/NELSON FINE ARTS CENTER/PAYNE DRAINAGE

**Tempe, Arizona.** First a storm water management project to resolve seasonal flooding, the project warranted a master plan for its implementation that focuses on creating a cultural destination for both campus and the art's district.

### ARIZONA STATE UNIVERSITY POLYTECHNIC RESEARCH EDUCATIONAL BUILDING

**Mesa, Arizona.** The 192,000 sf building will host research areas, a Class 10000 Cleanroom, and specialized spaces for innovative teams focused on varying manufacturing systems. The project is a comprehensive addition to ASU's growing Polytechnic campus and serve as a catalyst for the proposed Innovation Research District adjacent to the campus.

### SCOTTSDALE ROAD STREETScape

**Scottsdale, Arizona.** Wood Patel hired SmithGroup to provide the Planning and Landscape Architecture for the Scottsdale Road easement improvements. This project involves sensitive development within a very notable scenic corridor along both sides of a 6-mile stretch of an arterial road in North Scottsdale. The landscape design scope includes designation of a new multi-use trail alignment, pedestrian/ equestrian gathering nodes and street crossings, signage and wayfinding, utility cabinet screening and native revegetation strategies.

## Rebecca Holman Principal



Rebecca has devoted her career to project controls on large construction projects for the past thirty years. Her portfolio of projects includes transportation, light rail, bus operations and mainline freeway construction; potable and wastewater applications for new construction; airports including airside and landside construction and vertical projects including maintenance facilities. As an expert in Oracle/P6, she understands that CPM scheduling is a combination of construction sequencing in conjunction with P6 software ability. Whether the task is to develop initial program schedules or to review the contractors' schedules, a thorough understanding of construction methodologies along with the ability to utilize the software to obtain a comprehensive analysis of project progression and inherent risk is paramount. Rebecca works well with both inside and outside stakeholders. She worked extensively with the City of Mesa in getting their overhead power lines underground on Valley Metro's Central Mesa Extension and worked with the City of Phoenix to help get an additional 12" water line installed on Valley Metro's Northwest Extension, Phase 1 project.

### Education

**Degree:** BSCE, University of Nebraska.

### Project Experience

**Valley Metro, Phoenix, AZ:** Rebecca is currently consulting for Valley Metro developing and maintaining individual program schedules which feed into a Program Wide Master Schedule for the CSD division. The master schedule has been resource loaded by role to assist Valley Metro with staffing requirements. Rebecca assists Valley Metro in determining fair and reasonable contractor pricing and administers the third-party estimators in performing independent cost estimates to the contractors' GMP estimates and ultimate determination of a GMP.

**Tempe Streetcar, Tempe AZ:** Developed the ICE for design services. She administered third party estimators in developing Independent Cost Estimates for the contractor's GMP estimates. She assisted Valley Metro in contractor GMP negotiations. She provides Independent Cost Estimates for construction change orders.

**South Central Extension, Phoenix AZ:** She developed the ICE for design services. She is administering third party estimators in developing Independent Cost Estimates for the contractor's GMP estimates. She assists Valley Metro in contractor GMP negotiations. She provides Independent Cost estimates for all design and CMAR changes during design and into construction.

**Northwest Extension, Phase 2, Phoenix, AZ:** She developed the ICE for design services and assisted in design contract negotiations. She administers third party estimators in developing Independent Cost Estimates for the contractor's GMP estimates. She will assist Valley Metro in contractor GMP negotiations. She provided cost and schedule risk analysis for Valley Metro's internal risk assessment.

**OMC Expansion Project, Phoenix AZ:** Rebecca is reviewing the design-build contractors monthly schedule submittals. She developed an Independent Cost Estimate for negotiating the design-build contractor's GMP. She assists Valley Metro throughout the construction with schedule reviews and cost estimates for changes.

**Gilbert Road Extension, Mesa AZ:** Review contractor's schedule submissions for logic, durations and their overall ability to meet project milestones. Administer third party estimators and their check estimates. Assisted Valley Metro in contractor negotiations for final GMP submissions. Provided Independent Cost Estimates for design services, scope changes and CNPA costing.

**50<sup>th</sup> Street Station, Phoenix AZ:** She administered the third-party Independent Cost Estimates for determination of fair and reasonable check estimates against the contractor's GMP submissions. She developed Independent Cost Estimates for construction change order.

**Central Mesa Extension, Valley Metro, Mesa, AZ:** Rebecca was under contract to PB-Wong Joint Venture, PMCM to Valley Metro, from April of 2012 to September of 2016. On the CME Design-Build project, Rebecca has assisted with CPM schedule reviews and estimating support.



## MARINA STENDER, PE, PTOE

### BIO

Marina's traffic engineering design experience includes project management and production of signing and pavement marking plans, construction sequencing and traffic control, traffic signal design and street lighting. Her experience in the area of transportation and traffic studies includes signal warrant studies, design concept reports, project safety assessments, corridor studies, crash analyses, parking master plans, traffic calming, traffic impact studies, traffic operations and capacity studies. She has managed and delivered numerous traffic studies and design projects ranging from urban freeway to local streets.

### EXPERIENCE

Lōkahi, LLC  
Phoenix, AZ  
2019–Present  
23 years industry  
experience

### EDUCATION

Arizona State University  
B.S., Civil Engineering  
(1998)

### AFFILIATIONS

Institute of  
Transportation  
Engineers  
Intelligent Transportation  
Society of Arizona  
Valley Partnership  
American Council of  
Engineering Companies

### CERTIFICATIONS

Professional Engineer  
Arizona #39525  
Professional Traffic  
Operations Engineer  
#1436

### RELEVANT PROJECTS

**Lindsay and Layton Lakes** Gilbert, AZ – Traffic signal and striping design services

**Red Mountain Park**, Mesa, AZ – Traffic signal and striping design services

**SR 64, Pipeline Road to Airport Park**, Phoenix, AZ, Traffic control, signing, pavement marking plans  
**Northern Parkway, Dysart Overpass**, Maricopa County, AZ, Traffic memorandum

### ADDITIONAL PROJECT EXPERIENCE

#### PLANNING

**Avondale Transportation Master Plan Update**, Avondale, AZ  
**Paradise Valley Bicycle & Pedestrian Master Plan**, Paradise Valley, AZ

**US 191 Chinle to Many Farms Safety Improvement Study**, Chinle, AZ  
**White and Parker Road & Honeycutt Road Signal Warrant Study**, Maricopa, AZ

#### STUDY

**Arizona Avenue Improvements – Frye Road to Pecos Road**, Chandler, AZ  
**BASIS Scottsdale Traffic Impact & Mitigation Analysis**, Scottsdale, AZ  
**Elliot Technology Corridor**, Mesa, AZ  
**Fry Boulevard West End Corridor Study**, Sierra Vista, AZ  
**I-10 & 83rd Avenue Traffic Impact Study**, Phoenix, AZ  
**Leading Edge Academy Traffic Impact Study**, Maricopa, AZ  
**Maricopa Safe Routes to School**, Maricopa, AZ  
**Northern Parkway: Dysart Road Overpass**, El Mirage, AZ  
**Scottsdale Fashion Square Traffic Impact & Mitigation Analysis**, Scottsdale, AZ

#### DESIGN

**Festival Fields Park**, Avondale, AZ  
**Northern Parkway Dysart Road Overpass**, El Mirage, AZ  
**Trail Signage**, Gilbert, AZ  
**Fire Station No. 9**, Gilbert, AZ  
**SR 64 Pavement Preservation**, Williams, AZ  
**Piestewa Peak, Summit and Navajo Trailheads**, Phoenix, AZ  
**10th Street Traffic Calming**, Mesa, AZ  
**I-17/I-40 Flagstaff-Holbrook Highway Bridge Improvements**, Flagstaff, AZ  
**Ma Ha Tauk Park**, Phoenix, AZ  
**Bicycle Facility Design**, Maricopa, AZ  
**SR 202L South Mountain Freeway**, Phoenix, AZ  
**Dakota Street and Commonwealth Avenue**, Chandler, AZ

**FRANCISCO "PANCHO" GARZA, PE****EDUCATION:**

BSE Civil and Environmental  
Engineering, 1998  
University of Michigan;  
MS Civil Engineering, 2020  
Arizona State University

**EXPERIENCE:**

21 Years

**REGISTRATIONS:**

Professional Engineer – Civil  
AZ State License # 47676

Mr. Garza is an Arizona-registered professional engineer with over 20 years of experience in the geotechnical consulting field. His focus has been the desert southwest, but his experience includes numerous projects throughout Arizona including several in Tempe. His key areas of experience involve analysis, design and recommendations on numerous projects including pavement, roadways, bridges, single and multi-story structures, commercial and residential developments, retaining walls, and pipelines. He holds a master's degree from ASU with a geotechnical focus including graduate-level classes on soil improvement, foundations, and pavement design and rehabilitation. His primary focus has been geotechnical investigations for transportation-related projects, and he has been involved with more than 200 roadway projects. His expertise includes project management, performing and supervising geotechnical field and laboratory investigations, pavement design, slope stability analysis, landslide instrumentation monitoring and geotechnical & foundation design report preparation.

**RELEVANT PROJECTS****(City of Tempe) Rural Road and University Drive Intersection Improvements, Tempe, AZ**

Developed geotechnical investigation to add turning lanes in all directions of intersection. Included recommendations for expansive soils, pavement, and retaining walls. Drilled on weekend to minimize traffic impacts and deliver project on time. Included value engineering of City of Tempe pavement standards.

**(City of Tempe) Rural Road and Rio Salado Intersection Improvements, Tempe, AZ**

Developed geotechnical investigation to add turning lanes to intersection. Included recommendations for pavement and retaining walls. Included post-design services. Delivered project on time and budget.

**(City of Tempe) Alley Paving Project, Tempe, AZ**

Ethos provided geotechnical design services for the City of Tempe's Alley Paving project. This included two site visits, engineering analysis, and a geotechnical evaluation report.

**(City of Tempe) Kiwanis Park North Dog Park, Tempe, AZ**

Developed and performed geotechnical investigation for new Dog Park. This project included field investigation, engineering analysis, and a geotechnical report including two new retaining walls.

**(ADOT) Project Development On-Call, Statewide, AZ – 2018 to present**

Project Engineer for geotechnical investigations for roadways, bridges, retaining walls and drainage conveyance systems associated with state highway system. Individual tasks involved subsurface investigations including soil test borings, pavement coring, rock coring, and test pits. Reporting efforts included foundation design recommendations, pavement design, slope stability, corrosion potential discussion, etc. Several projects included rehabilitation of either pavement or bridges and limited geotechnical investigations. Over 30 projects completed under the various on-call contracts. Notable projects completed included: Pavement Life Extension – Southcentral, Central and Southwest Districts; SR 77, I-10 to Genematas Drive; SR 73, Cedar Creek drainage structures; SR 287/SR 79B Intersection; SR 87, MP 224 Slope Investigation; SR 87, MP 268 to 278 Shoulder widening; US 95, Ave 9E to Fortuna Wash Bridge replacement; SR 101L, Princess Drive to Shea Blvd DCR; and I-17/SR 169 Bridge rehabilitation.

**(Town of Gilbert) SR 202L (Santan) and Lindsay Drive Traffic Interchange, Gilbert, AZ**

Developed and oversaw geotechnical investigation for proposed traffic interchange under Town of Gilbert project for ADOT. Field investigation included 4 retaining walls, and roadway improvements. The project included lab testing, drilling along SR 202, and geotechnical recommendations for flexible and rigid pavement on expansive soils and shallow spread footings.



**Kristin Darr**  
Principal and Owner

**Education**

BA, 1991, Political Science/Journalism |  
Metropolitan State University, Denver, CO



**Certified Public Participation Practitioner, International Association for Public Participation**

Kristin is owner and founder of Central Creative and has more than 30 years of experience designing and facilitating stakeholder and public involvement programs for federal, state, regional, county and local governments as well as private developers and utilities. Kristin is well known for outstanding service throughout the State of Arizona. She has acted as project spokesperson for hundreds of projects, successfully interacting personally with residents, businesses, the media, and stakeholders on behalf of clients to explain both project details and big picture messages in a way that helps ease the impacts of projects and get across their benefits, building positive relationships that last beyond each project.

Kristin is an expert at coordinating the numerous activities and entities that are critical to achieving consent/consensus and building the relationships needed to advance important infrastructure projects, including public notifications and information/marketing collateral (design, printing, mailing, door-to-door distribution); public meeting/open house logistics and facilitation; presentation preparation and coaching; key message development and deployment; communication of technical information to non-technical audiences; interactive programs to involve stakeholders and the public (in person and online); partnering and team facilitation; special events (e.g., groundbreaking ceremonies, professional summits and conferences, project booths at community festivals, etc.); and compliance with regulatory requirements related to public involvement (e.g., NEPA, municipal use permitting).

**Representative and Recent ADOT Projects (Additional Projects/Professional References Available)**

**Arizona Department of Transportation**

- Construction Public Relations Manager for I-17 Improvements Anthem Way to Sunset Point (Suncontractor to Kiewit Fann Joint Venture)
- Public Involvement Manager for SR 101L System TI Improvements with I-10 (pre-design, design, NEPA compliance)
- Public Information Support (Subcontractor to Pulice Construction) for the 101L Price Freeway Widening Design-Build, US60 to 202L Santan
- Public Involvement Manager for Interstate 11 Tier 1 EIS, Northern Segment (Buckeye to Wickenburg)
- Public Involvement Manager for US 60 Corridor Study near Wickenburg (MP 111-120)
- Public Involvement Manager for I-40, 4<sup>th</sup> Street Bridge Replacement and Butler Avenue Bridge Rehabilitation
- Public Involvement for the Nogales Bike/Ped Plan (PARA)
- Public and Stakeholder Involvement for the State Long-Range Transportation Plan

## **ARVID VEIDMARK III**

### **Subsurface Utility Engineering Professional Trenchless Constructability & Design Consultant**



Arvid Veidmark III has 30+ years of professional hands on experience designing, estimating, and managing trenchless underground construction projects for engineering firms, utility agencies, local state and city governments, and private and public corporations. Arvid utilizes his experience and knowledge of soils to lead project design, method selection, and construction planning. Arvid's advanced knowledge of trenchless technologies and subsurface utility engineering has helped project owners and contractors identify economic and environmentally safe methods of construction.

#### **AWARDS/ACHIEVEMENTS**

- ASU Spirit of Enterprise Award for Emerging Entrepreneurs, 2002
- Greater Phoenix Chamber of Commerce, Small Business Award
- Ruben P. Orona Damage Prevention Ambassador, 2009
- Equipment World Contractor of the Year, 2022
- Lead Technical Advisor: Section 602 & 608 Maricopa Association of Governments
  - Uniform Standard Specifications & Details - Public Works Construction, 2016

#### **WORK EXPERIENCE**

##### **Trenchless Constructability & Design** **2017 - Present**

Owner/Principal Consultant

- Consults local governments and engineering firms on trenchless technology applications.
- Provides strategic recommendations, project coordination, and leads design review meetings.

##### **Specialized Services Company** **1993 - Present**

Owner/President

- Negotiates with customers to finalize project scope and contract terms, establish project schedule, and transition new projects to division managers.
- Provides leadership and oversight to crews engaged in horizontal and directional boring, large diameter tunneling, vacuum excavation, and other underground construction projects.

#### **EDUCATION**

- **Northern Arizona University**
  - Computer Information Systems and Civil Engineering Studies
- **Arizona State University, Del E. Webb School of Construction**
  - Construction Manager at Risk, Horizontal Projects

#### **MEMBERSHIPS**

National Utility Contractor's Association (NUCA), AZ Chapter – Director, Past President **2016 – Present**

#### **RELEVANT PROJECT EXPERIENCE**

- Lead Trenchless Design Advisor/Construction PM: SR101 & Via de Ventura - Salt River Fields Water Production Facility
  - 920' directional bore for 24" steel sleeve, pull in 16" fused PVC waterline on spacers
  - Owner: Salt River Pima Maricopa Indian Community
- Trenchless Specialist of CMAR Team: Loop 101 WL Extension – Loop 101 & Utopia
  - 386' tunnel under Loop 101 freeway for 48" steel casing to carry 12" DIP waterline
  - Owner: City of Glendale
- Trenchless Specialist of CMAR JV Team: Cave Buttes Dam Modification Phase 1
  - 932' tunnel under Dike 1 of Cave Buttes Dam
  - Owner: Maricopa County Flood Control District

# Part D. Attachments

**From:** ADOT Business Engagement and Compliance Office <AZUTRACS-Support@azdot.gov>

**Sent:** Tuesday, November 14, 2023 4:56 PM

**To:** John Gray <jgray@bowman.com>

**Cc:** ContractorCompliance@azdot.gov <ContractorCompliance@azdot.gov>

**Subject:** [EXTERNAL] Bidders List for Bowman Consulting Group, Ltd.



**Bowman Consulting Group, Ltd.**, AZUTRACS Number: [10081](#) has submitted a Bidder/Proposer list for **2024-007** on 11/14/2023 at 4:55 PM MST (UTC - 07:00).

## Bidders/Proposers for this firm include:

Firm Name	AZUTRACS #	Expiration Date	Email Address	Phone Number
Central Creative	<a href="#">10143</a>	11/08/2026	kristin@centralcreativeaz.com	602-750-7139
Ethos Engineering, LLC	<a href="#">10363</a>	04/16/2024	soliden@ethosengineers.com	480-720-7769
Jacobs Engineering Group Inc.	<a href="#">10561</a>	12/15/2024	troy.sieglitz@jacobs.com	602-253-1200
Lokahi, LLC	<a href="#">18713</a>	03/30/2024	lokahigroup@outlook.com	480-292-0691
Rebecca J Holman	<a href="#">15021</a>	11/14/2026	rebeccaholman@cox.net	602-493-4050
SmithGroup	<a href="#">19370</a>	03/29/2024	caroline.hill@smithgroup.com	602-245-2256
Specialized Services Company	<a href="#">11075</a>	06/27/2025	marcia@sscboing.com	602-997-6164

# Part E. Amendments



Our True North: *Safely Home*

Engineering Consultants Section

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

**Date:** October 31, 2023  
**TO:** ALL INTERESTED PARTIES  
**SUBJECT:** AMENDMENT NUMBER 01  
**REFERENCE:** REQUEST FOR QUALIFICATIONS (RFQ)  
CONTRACT NUMBER 2024-007  
College Avenue & University Drive Pedestrian Underpass

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](mailto: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.

June A. Cross  
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.**

Bowman Consulting Ltd

11.21.23

CONSULTANT NAME

SIGNATURE

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

# Consultant Information Page

## CONSULTANT INFORMATION PAGE

CONTRACT NO.: 2024-007

CONTACT PERSON: Bruce Larson, PE

E-MAIL ADDRESS: blarson@bowman.com

TITLE: Project Principal

CONSULTANT FIRM: Bowman Consulting Ltd

ADDRESS: 1600 N Desert Dr, Ste 210

CITY, STATE ZIP: Tempe, AZ 85288

TELEPHONE: 480.629.8830

FAX NUMBER: NA

DUNS #: 94-559-0859

ADOT CERTIFIED DBE FIRM? (YES/NO)

No

SUBCONSULTANT(S):	TYPE OF WORK	ADOT CERTIFIED DBE FIRM (YES/NO)
<u>Jacobs Engineering Group, Inc.</u>	<u>Structural Engineering</u>	<u>No</u>
<u>SmithGroup</u>	<u>Architecture/Landscape Architecture</u>	<u>No</u>
<u>Delta Star</u>	<u>Cost Estimating</u>	<u>Yes</u>
<u>Specialized Services Company (SSC)</u>	<u>Constructability Review and Budgeting</u>	<u>No</u>
<u>Lokahi Group</u>	<u>Traffic Engineering</u>	<u>Yes</u>
<u>Ethos Engineering, LLC</u>	<u>Geotechnical Engineering</u>	<u>Yes</u>
<u>Central Creative Arizona</u>	<u>Public Involvement</u>	<u>No</u>

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

Revised 11/23/2021

# Consultant Information Page

**SUBCONSULTANT(S) TABLE:**

SUBCONSULTANT FIRM NAME:	Jacobs Engineering Group Inc.
CONTACT PERSON:	Troy Sieglitz, PE
E-MAIL ADDRESS:	troy.sieglitz@jacobs.com
TITLE:	Project Principal
ADDRESS:	1501 West Fountainhead Parkway, Suite 401
CITY, STATE ZIP:	Tempe, AZ 85282
TELEPHONE:	480.966.8188
FAX NUMBER:	NA
DUNS #:	809218089

SUBCONSULTANT FIRM NAME:	SmithGroup
CONTACT PERSON:	Carrie Perrone
E-MAIL ADDRESS:	carrie.perrone@smithgroup.com
TITLE:	Higher Education Studio Leader
ADDRESS:	455 North 3rd Street, Ste 250
CITY, STATE ZIP:	Phoenix, Arizona 85004
TELEPHONE:	602.824.5228
FAX NUMBER:	602.256.2255
DUNS #:	608849071

**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 pages are not evaluated by the Selection Panel, but are used by Engineering Consultants Section for administrative purposes.**

# Consultant Information Page

## SUBCONSULTANT(S) TABLE:

SUBCONSULTANT FIRM NAME:	Delta Star Quality Contracting, LLC
CONTACT PERSON:	Rebecca J Holman
E-MAIL ADDRESS:	rebeccaholman@cox.net
TITLE:	President
ADDRESS:	5874 East Kathleen Road
CITY, STATE ZIP:	Scottsdale, AZ 85254
TELEPHONE:	602.493.4050
FAX NUMBER:	N/A
DUNS #:	136208910

SUBCONSULTANT FIRM NAME:	Specialized Services Company (TCD/SSC)
CONTACT PERSON:	Arvid Veidmark III
E-MAIL ADDRESS:	arvid@sscunderground.com
TITLE:	President
ADDRESS:	2001 West North Lane
CITY, STATE ZIP:	Phoenix, AZ 85021
TELEPHONE:	602.997.6164
FAX NUMBER:	NA
DUNS #:	052703915

**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 pages are not evaluated by the Selection Panel, but are 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](mailto: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.

# Consultant Information Page

## SUBCONSULTANT(S) TABLE:

SUBCONSULTANT FIRM NAME:	Lokahi Group
CONTACT PERSON:	Jamie Blakeman, PE, PTOE
E-MAIL ADDRESS:	jamie@lokahigroup.com
TITLE:	Founder and CEO
ADDRESS:	10555 N 114th St, Ste 105
CITY, STATE ZIP:	Scottsdale, AZ 85259
TELEPHONE:	480.292.0691
FAX NUMBER:	NA
DUNS #:	11725188

SUBCONSULTANT FIRM NAME:	Ethos Engineering, LLC
CONTACT PERSON:	Sergio Oliden
E-MAIL ADDRESS:	soliden@ethosengineering.com
TITLE:	President
ADDRESS:	9180 S Kyrene Rd, Ste 104
CITY, STATE ZIP:	Tempe, AZ 85284
TELEPHONE:	480.720.7769
FAX NUMBER:	NA
DUNS #:	030828918

**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 pages are not evaluated by the Selection Panel, but are 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.

# Consultant Information Page

**SUBCONSULTANT(S) TABLE:**

SUBCONSULTANT FIRM NAME:	Central Creative Arizona
CONTACT PERSON:	Kristin Darr
E-MAIL ADDRESS:	kristin@centralcreativeaz.com
TITLE:	Owner and Principal
ADDRESS:	24 W Camelback Rd. #A-479
CITY, STATE ZIP:	Phoenix, AZ 85023
TELEPHONE:	602.750.7139
FAX NUMBER:	NA
DUNS #:	079353532

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 pages are not evaluated by the Selection Panel, but are 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.

# Consultant Information Page

## DBE GOAL ASSURANCE/DECLARATION

This Contract is Race Conscious. The DBE goal percentage is set at 10.44%

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

11/21/2023

Date

Bruce Larson, PE

Printed Name

Project Principal

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 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.**