



Geotechnical & Environmental Sciences Consultants



February 28, 2024
Proposal No. 12PHX02-05636

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

Subject: Request for Qualifications for
On-Call Services for Pavement Coring Investigations and Limited Geotechnical Investigations
Contract Number: 2024-017

Dear Selection Team Members:

Ninyo & Moore Geotechnical & Environmental Sciences Consultants was established in 1986 to help clients develop and implement innovative solutions to geotechnical and materials testing challenges. It is our goal to be selected by the Arizona Department of Transportation (ADOT) to provide Pavement Coring Investigations and Limited Geotechnical Investigations. In rank order, we prefer providing our services in Regions 3, 2, and 1 during the contract period. We will bring the following key benefits:

- **ADOT EXPERIENCE:** Ninyo & Moore has provided our services on 12,000 projects throughout Arizona, including 370 ADOT projects. **We are currently providing pavement coring services for ADOT through our materials testing on-call** and recent projects have included coring on SR-187, I-10, SR-347, SR-387, SR-98, US-160, SR-191, I-40, US-60, SR-347, and US-70.
- **QUALIFIED STAFF & DEDICATED TEAM:** We have a team of over 600 professionals throughout 15 offices and have the in-house resources to support this contract throughout its duration. Our key personnel will meet ADOT's quality and schedule expectations. Mr. Steven D. Nowaczyk, P.E., Principal Engineer with Ninyo & Moore will be responsible for this contract. He is a registered Professional Engineer with the State of Arizona (Registration Number 34866) and has over 30 years of experience leading on-call contracts for a variety of clients throughout Arizona.
- **CERTIFIED LOCAL LABORATORIES & TECHNICIANS:** Ninyo & Moore has fully equipped and certified in-house testing laboratories that are capable of performing a wide variety of geotechnical and materials testing services. Our laboratories are accredited and inspected by ADOT, AASHTO re:source, and USACE and our field and laboratory technicians and inspectors obtain certifications through ACI, ATTI, AWS, ICC, and NICET.
- **RESPONSE:** Our personnel are experienced and prepared for those projects that are considered emergencies. Ninyo & Moore can typically provide a 24-hour response time for projects in close proximity to our offices. Contract needs for emergency projects are met by assigning appropriate resources (experienced personnel and equipment) as needed to meet specific project requirements. To further meet these project schedules, personnel are available for weekends and throughout the duration of all project assignments.

Ninyo & Moore is a minority business enterprise, however we are not certified as a DBE. From Principal staff through administrative and field personnel, we are committed to providing ADOT with a level of service that exceeds your expectations. If you have any questions or comments regarding the information provided within this proposal, please contact the undersigned.

Sincerely,

NINYO & MOORE

Steven D. Nowaczyk, PE
Principal Engineer, Geotechnical/Contract Manager
snowaczyk@ninyoandmoore.com
602-243-1600 x16206

STL/clt

Engineering Consultants Section SOQ Proposal Certifications Form

Contract #: 2024-017

Consultant Name: Ninyo & Moore Geotechnical & Environmental Sciences Consultants

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.

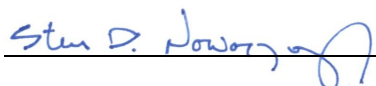
Submission of the SOQ by the Consultant certifies that to the best of its knowledge:

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: Steven D. Nowaczyk

Title: Contract Manager/Principal Engineer

Signature: 

Date: February 29, 2024

Revised 2/11/2022

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

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

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

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

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

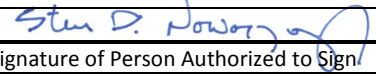
Under A.R.S. §35-393:

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

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

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

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

Ninyo & Moore Geotechnical & Environmental Sciences Consultants	
Company Name	Signature of Person Authorized to Sign
3202 E. Harbour Drive	Steven D. Nowaczyk
Address	Printed Name
Phoenix, AZ 85034	Contract Manager/Principal Engineer 02/29/2024
City State Zip	Title Date

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



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:

1. "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.
 - (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. "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.

Ninyo & Moore Geotechnical & Environmental
 Sciences Consultants
Company Name

3202 E. Harbour Drive
Address

Phoenix, AZ 85034
City State Zip


Signature of Person Authorized to Sign

Steven D. Nowaczyk
Printed Name

Contract Manager/Principal Engineer
Title



PART C. - Evaluation Criteria

1. CONTRACT UNDERSTANDING & APPROACH

a. Understanding

Ninyo & Moore understands that ADOT issued this Request for Qualifications Package for On-Call Services for Pavement Coring Investigations and Limited Geotechnical Investigations (Contract NO. 2024-017) for firms such as Ninyo & Moore to provide ADOT with the necessary resources to deliver investigative services in ADOT designated Regions 1, 2 and 3. These services will determine the depth and condition of roadway pavement sections consisting of either asphaltic concrete (AC) or Portland Cement Concrete (PCC), or a combination of both. If needed, services may include extending the investigation to include shallow subsurface soil conditions at a depth not to exceed five (5) feet below the pavement section. It is understood that the bottom of pavement section is defined as the depth where the subgrade soils commence or the top of the aggregate base (AB) materials. Soil laboratory testing may subsequently be required.

In general, tasks will include utilization of the proper equipment to service this contract. This will comprise of a pavement coring rig with transport vehicle, equipment to retrieve shallow subsurface soils such as hand augers or soils samplers, and the necessary equipment attachments for a variety of field scenarios. A traffic control contractor will also be utilized. Pavement cores will be six (6) inches in diameter and twelve (12) inches in diameter if a limited geotechnical investigation is required.

As indicated within this qualification submittal, Ninyo & Moore has been providing these exact services for ADOT since mid-2023. We have provided coring services in each ADOT Region. Specific Districts within each region we have provided services to includes ADOT's Southcentral District; Northcentral District; Northeast District; Central District and will soon begin work in the Southeast District. Based on our extensive experience working in each Region and District, we believe most "administrative related issues" we may encounter have already been experienced. These include the understanding that each District is somewhat unique and the permitting process times will vary. For instance, some ADOT Districts have completed the permit process in as short as 3 weeks, while others have taken over 9 weeks. Each District is difference in the reviewer and the expectations. Additionally, it is important that traffic control plans are correct. Some Districts have approved our subcontractors Traffic Control Plan in short order, others have required up to 3 resubmissions before approving. Getting to know each District is important and we believe we have done exactly that.

NINYO & MOORE PROJECTS

430+
ADOT Region 1

2,900+
ADOT Region 2

8,700+
ADOT Region 3

b. Approach

Ninyo & Moore understands the tasks and responsibilities involved with this contract will begin with reviewing and comprehending the objective of the scope of work. The scope of work will also include the understanding that we will need to work in conjunction with each (ADOT) District to ensure that their teams are notified of all field operations.

Upon receipt of a coring request from the ADOT Infrastructure Delivery and Operations Division, Ninyo & Moore will begin the permitting process, work with our Traffic Control subcontractor on the traffic control plan, pre-mark coring locations and coordinate utility clearances.

Pavement coring services provided by Ninyo & Moore will involve an experienced (2) person crew. Upon request by the Engineer for limited geotechnical exploration services, an additional team member may be added. Permit and Clearances will be obtained through each ADOT Maintenance District utilizing the current ADOT Encroachment Permit form. Each permit for each highway section shall be submitted to each District contact for review of the Encroachment permit, certificates of insurance (to include XCU endorsement), environmental clearances, ADOT provided Coring Request form, coring location maps and methods, and traffic control plans. Ninyo & Moore's Project Manager will be responsible for the creation of coring maps, permit documentation and submittal to ADOT Maintenance Districts. Ninyo & Moore's Project Manager will also communicate to our traffic control consultant to make any corrections deemed necessary by each ADOT District Permitting team.

Field investigations will be carried out by authorized and trained personnel. Pavement coring operations will take place at each highway section once the locations have been marked in the field, and all utility locates have been performed. During coring operations, field personnel are expected to photograph the core location, core number, pavement material extracted from bore-hole and replacement, and patching for pavement core location. Pavement Cores should extend no greater than 24-inches unless noted otherwise. Field personnel are also expected to maintain field log entry documentation (using the ADOT Geotechnical Group Core Log Form). Additionally, field personnel are expected to follow environmental guidance by ensuring coring water is not discharged beyond the pavement, and coring is only performed on specific, identified locations. Field personnel are not authorized to perform any coring outside of established parameters. Pavement field coring will be performed only on a specified lane, and cored in a specific wheel path. Shoulder pavement coring will be completed on occasion, and the field personal are directed to core shoulders in the same processes as a standard pavement core. Vehicles and equipment are not authorized to perform operations outside of the paved locations. Additionally, pavement coring should not entail disturbing the subgrade below, outside of making brief contact to differentiate between the pavement and subgrade. Once documentation has been completed, the field personnel will replace the existing pavement core back into the bore-hole and utilize a cold-patching process to ensure the core has been replaced and re-sealed into the original extraction point.

Should a limited geotechnical investigation be required, bulk soil samples will be obtained by hand auger or soil sampler at depths and intervals determined by the Engineer. A boring log will be prepared for each test hole. Soil samples will be retained until completion of the project and if applicable laboratory testing of soil samples will be performed at the direction of the Engineer.

Deliverables for Pavement Coring Investigations will include the field coring log(s), photographs of core locations, extraction, core conditions, core thickness and replacement into existing bore-hole. Both forms of documentation will be submitted through the ADOT Geotech Ops Shared drive. Documentation methods will include core location numbers, core thickness and manual description of core condition on the ADOT Field Coring log, while photographs will include the highway section, mile marker number, cardinal direction of highway trend, and the specific lane the core was extracted from. The Ninyo & Moore Project Manager will be responsible for collecting the documentation from field personnel and uploading all files to the ADOT Geotech Ops Shared drive.

Potential "field related issues" that may arise which we have experienced on the current coring work we have performed for ADOT may involve pavement core depths greater than anticipated. During coring work on I-40, pavement thicknesses were found to be 18-inches in depth which was unexpected by all parties. As such we are now equipped to obtain cores up to 24-inches in thickness. Additional issues we have seen and have adjusted to include carrying a 100-gallon water tank and replacement parts for field equipment from core barrels, to hand auger equipment, power sources, and the ability to work in inclement weather and/or remote locations.

“Field and Laboratory Technicians have a great attitude, willing to do anything that is asked and keeps a positive and respectful outlook. Always on time, willing to learn, and inspections were very thorough. Their work ethic was beneficial for ADOT's department's ability to meet the scheduling demands for the testing of prestress girders and all the laboratory testing demands.”

-ADOT Project Manager

2. CONTRACT TEAM

Ninyo & Moore's strengths lie in the quality, diversity, and technical experience of its key personnel and staff, and in the personal involvement of the principals. We select well-qualified project teams from a staff of 600 individuals, which includes geotechnical engineers, engineering geologists, environmental geologists, environmental engineers, geophysicists, hydrogeologists, and field technicians and inspectors. Ninyo & Moore will designate Mr. Steven Nowaczyk, PE as the initial single point of contact for ADOT personnel on all service requests. At present, Steve provides this role for several of our on-call contracts including our current contract with ADOT for On-Call Materials Testing, MCDOT's On-Call for Geotechnical and Materials Testing services, Pinal County's On-Call Geotechnical Engineering Services, and Yavapai County's On-Call Professional Geotechnical Engineering Services. Our proposed contract team is summarized below.

Contract Manager



Steven D. Nowaczyk, PE
Contract Manager/Principal Engineer

Total Years Experience
34

Years with Ninyo & Moore
25

Education
M.S., Geotechnical Engineering
B.S., Civil Engineering

Registration
PE 34866 (Arizona)

Professional Affiliations
ACEC, APWA, ASCE

Awards
2021 AZ Business Leader, Engineering
2012 Outstanding Engineer of the Year by Engineers Week (E-Week)

Steve is experienced with performing and coordinating geotechnical investigations, monitoring field construction testing activities, performing oversight services for geo-dynamic and geo-investigation projects, providing field quality control support for construction projects, conducting laboratory testing, and reviewing reports. He oversees geotechnical investigations and analyses; reviews and prepares soil and foundation reports and specifications; reviews and provides technical support to engineers, geologists, technicians, and construction personnel; coordinates engineering research and development activities; reviews and performs engineering calculations; and assists in business development. He has extensive experience with responding to requests for services and meeting project deadlines under tight time restraints. Steve has been involved on 220 ADOT projects.

Similar Project Experience: ADOT's SR101: I-17 to Pima Road General Purpose Lanes in Maricopa County, ADOT's SR 89A Viewpoint Drive TI in Yavapai County, and ADOT's I-10 Houghton Road TI in Pima County, ADOT's SR191 Nahata Dziel Road to Sanders Traffic Interchange in Apache County, and ADOT's I-10 Tangerine Road Traffic Interchange in Pima County.

Project Engineer



Kenneth Rush III, PE
Project Engineer

Total Years Experience
19

Years with Ninyo & Moore
9

Education
M.S., Geotechnical Engineering
B.S., Civil Engineering

B.S., Physics

Registration
PE 62212 (Arizona)

Professional Affiliations
ACEC, ASCE, ASHE, G-I

Ken has extensive experience performing geotechnical analysis, geotechnical evaluations and geologic hazard investigations. He meets and interacts with clients; manages budgets; prepares geotechnical reports and recommendations, and reviews plans and specifications; plans and prepares site investigations; provides supervision of field investigations; provides recommendations for foundation evaluations, expansive soils and collapsible soils; evaluates field compliance with written earthwork specifications. Additional duties include assignment and compilation of laboratory testing and geotechnical calculations, including calculations pertaining to slope stability analysis, retaining walls, liquefaction, settlement analysis, drilled shafts and pile design.

Ken is responsive to client needs and successfully completes project tasks on time. He ensures that project milestones and deliverables are completed and submitted to the client on time or ahead of schedule. He has a strong commitment to quality management as well as total quality leadership, with proven quality control of design/project documents. He is familiar with ADOT's projects as a result of our previous project experience, allowing him to more efficiently assist ADOT with the timely completion of projects.

Similar Project Experience: Ken has been involved on 20 ADOT projects including: ADOT's SR101: I-17 to Pima Road General Purpose Lanes in Maricopa County; ADOT's SR101L Widening, General Purpose Lanes, and HOV from Baseline Road to Chandler Boulevard; and ADOT's Juan Sanchez Boulevard Improvements in Yuma County.

E. Craig Rees*Principal, Construction/S9*

25 Years Total Exp.

22 Years w/ N&M

BS Civil Engineering

Craig oversees and assists the Construction Services Project Managers with project approach and budget control; Field and Laboratory Supervisors with developing and implementing our staff; and Dispatchers with providing qualified personnel and testing equipment as it becomes necessary to assure overall project success. Craig has been involved on 80 ADOT projects. Relevant projects include:

- ADOT, Asphalt Pavement Coring Investigations On-Call
- ADOT, SR101: I-17 to Pima Road, General Purpose Lanes, Maricopa County
- ADOT, US 180: Columbus Avenue to Snowbowl Road, Coconino County

**Dylan Walker, PE***Project Engineer*

8 Years Total Exp.

8 Years w/ N&M

BS Civil Engineering

AZ PE 68750, Civil

Dylan's duties include geotechnical subsurface evaluations, performing boring layout for utility clearance, supervising drill rigs, settlement monitoring, pavement design, percolation testing, supervision of excavation subcontractors, test pits, logging, and classification of soils in the field, documentation of distressed structures, and assistance in reviewing construction documents including plans and specifications. He also manages construction materials testing projects, including proposal preparation, managing project budgets and meeting and interacting with clients and design professionals. Dylan has been involved on 11 ADOT projects. Relevant projects include:

- ADOT, I-40 and I-17 Rest Area Parking, Statewide
- ADOT, SR87 and Randolph Road, Pinal County
- ADOT, SR89: Deep Well Ranch Road to Chino Valley, Yavapai County

**Byron G. Clayton, ACI***Staff Geologist/**Senior Project Manager*

6 Years Total Exp.

1 Year w/ N&M

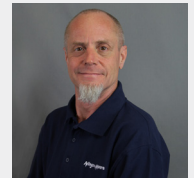
BS Geology

AS, Science

ACI Certified

Byron manages construction materials testing projects, including managing project budgets and meeting and interacting with clients and design professionals. He also coordinates and oversees field activities, including field technicians and inspectors for projects, and visits the project sites to evaluate the work being performed. Byron conducts technical reviews and approval of all project related paperwork, and assists with troubleshooting on projects. Additional responsibilities include acquiring permits from public agencies, coordination and scheduling of subcontractors, field reconnaissance, mapping for geotechnical field work and writing geotechnical reports. Relevant projects include:

- ADOT, Asphalt Pavement Coring Investigations On-Call
- City of Mesa, Arterial Roadway Improvements at Signal Butte and Williams Field Road

**Marcos Mais***Senior Field Technician/S7*

28 Years Total Exp.

13 Years w/ N&M

ACI & ATTI Certified

Marcos processes material for R-values, asphalt, and fireproofing; retrieves masonry, concrete, and grout samples from job sites for processing; tests masonry block, concrete cylinders, shotcrete, grout blocks, and mortar cubes for compressive strength; and maintains moisture room for concrete curing. He also performs placement observation, field sampling, and special inspection of concrete, asphalt concrete, masonry, mortar, and grout block and performs subsequent density testing of soils (nuclear gauge and sand cone). Marcos has been involved on 7 ADOT projects. Relevant projects include:

- ADOT, SR101: I-17 to Pima Road, General Purpose Lanes, Maricopa County
- ADOT, Interstate 10 Houghton Road Traffic Interchange, Pima County

**Jimmy Corrales, ATTI***Field Technician/S7*

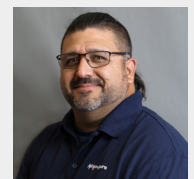
2 Years Total Exp.

2 Years w/ N&M

ATTI Certified

Jimmy performs placement observation, field sampling, and special inspection of concrete, asphaltic concrete, masonry, mortar, and grout block. He also provides observation of over-excavation and backfill per geotechnical recommendations; performs subsequent density testing of soils (nuclear gauge and sand cone); performs field sampling of soils, aggregates, and asphalt coring; and performs geotechnical laboratory testing per ASTM, AASHTO, and ACI standards. Jimmy has been involved on 4 ADOT projects. Relevant projects include:

- ADOT, Asphalt Pavement Coring Investigations On-Call
- ADOT, El Camino Viejo Bridge, Pinal County
- ADOT, Wickenburg Truck Barn and Fuedl Island, Maricopa County



Key Team Member Matrix

TEAM MEMBER, REGISTRATION, ROLE	CURRENT PROJECTS % OF TIME	LOCATION	ROLE ON SIMILAR PROJECTS, CONTRACT VALUE, OWNER
Steve Nowaczyk, PE AZ PE 34866 <i>Contract Manager/ Principal Engineer</i> Commitment: 20%	ADOT, Asphalt Pavement Coring Investigations On-Call - 20% ADOT, I-40 and I-17 Rest Area Parking – 15% Casa Grande, McCartney Road Imp. – 15%	Phoenix	<ul style="list-style-type: none"> Principal Engineer, ADOT, SR303L, Waddell Road to Mountain View Boulevard, Maricopa County, \$365,000, ADOT Principal Engineer, ADOT, I-17 McGuireville Road TI Reconstruction, Yavapai County, \$126,000, ADOT
Kenneth Rush, PE AZ PE 62212 <i>Project Engineer</i> Commitment: 60%	ADOT, Asphalt Pavement Coring Investigations On-Call - 60% City of Mesa/ADOT, Elliot Road Imp. – 20% City of Goodyear, Cotton Lane Imp. – 10%	Phoenix	<ul style="list-style-type: none"> Project Manager, ADOT, SR101: I-17 to Pima Road, General Purpose Lanes, Maricopa County, \$700,000, ADOT Project Manager, ADOT, I-10: Dirk Lay Road to SR 387, Pinal County, \$160,000, ADOT
E. Craig Rees <i>Principal, Construction Services/S9</i> Commitment: 70%	ADOT, Asphalt Pavement Coring Investigations On-Call - 70% ADOT, Temp Tech On-Call – 20% ADOT, SR86: MP 90 to MP 105 – 10%	Phoenix	<ul style="list-style-type: none"> Project Principal, ADOT, SR101: I-17 to Pima Road, General Purpose Lanes, Maricopa County, \$888,000, ADOT Project Principal, ADOT, Temporary Technical Engineering Personnel Services On-Call, \$2.1M, ADOT
Dylan C. Walker, PE AZ PE 68750 <i>Project Engineer</i> Commitment: 40%	ADOT, I-40 and I-17 Rest Area Parking – 25% Coconino County, Double A Ranch Road and Shoulder Widening – 15% Town of Gilbert, Guadalupe Road Imp. – 15%	Phoenix	<ul style="list-style-type: none"> Project Manager, MCDOT, MC85 Roadway Improvements, 75th Avenue to 95th Avenue, Maricopa County, \$330,000, MCDOT Project Manager, Navajo Nation Division of Transportation, N27, N7, N105 Roadway Improvements, Apache County, \$1.2M, Navajo DOT
Byron G. Clayton, ACI <i>Staff Geologist/ Senior Project Manager</i> Commitment: 100%	ADOT, Asphalt Pavement Coring Investigations On-Call - 100%	Phoenix	<ul style="list-style-type: none"> Project Manager, City of Mesa, Arterial Roadway Improvements at Signal Butte and Williams Field Road, \$30,000, City of Mesa Project Manager, SRMIC, Early Childhood Education Center Renovation and Parking Expansion, \$50,000, SRPMIC
Marcos Mais, ACI, ATTI <i>Senior Field Technician/S7</i> Commitment: 60%	Phoenix-Mesa Gateway Airport Authority, Sky-Bridge Hotel Offsite Improvements – 10% Town of Queen Creek, Frontier Family Park Aquatic and Recreation Center – 20%	Phoenix	<ul style="list-style-type: none"> Senior Field Technician, ADOT, SR101: I-17 to Pima Road, General Purpose Lanes, Maricopa County, \$888,000, ADOT Senior Field Technician, ADOT, West Flagstaff I-40 Traffic Interchange Overpass, Coconino County, \$65,000, ADOT
Jimmy Corrales, ATTI <i>Field Technician/S7</i> Commitment: 100%	ADOT, Asphalt Pavement Coring Investigations On-Call - 100%	Phoenix	<ul style="list-style-type: none"> Field Technician, ADOT, Wickenburg Truck Barn and Fuel Island, Maricopa County, \$80,000, ADOT Field Technician, ADOT, El Camino Viejo Bridge, Pinal County, \$45,000, ADOT

Field/Laboratory Technicians

In addition to the Contract Team listed, Ninyo & Moore currently has over 70 field, inspection, and laboratory technicians in Arizona. Our field technicians and inspectors obtain extensive hands on experience learning, observing, and performing field testing and inspection services prior to being released to perform these services without direct supervision. They obtain certifications through ACI, ATTI, AWS, ICC, and NICET and are proficient with Microsoft Word, Excel, and Outlook.

3. FIRM CAPABILITY

a. Relevant Experience

ADOT ASPHALT PAVEMENT CORING INVESTIGATIONS *Statewide, Arizona*

Arizona Department of Transportation (ADOT) has contracted with Ninyo & Moore Geotechnical and Environmental Science Consultants (N&M) to perform On-call Materials Testing for a pre-determined list of statewide locations. ADOT had requested N&M to perform asphalt coring operations for a pre-selected list of state routes, highways and interstate systems in the State of Arizona to determine asphalt thickness and condition of in-place asphalt materials. ADOT had requested coring to be completed in the following ADOT Engineering and Maintenance Districts: Central, Southcentral, Northcentral, Northeast, and Southeast. The following shows some of the ADOT Districts and the coring operations performed.

Region 3, Central District

US-60: ADOT had requested this section to have asphalt coring performed for an approximate total of 48 cores. Documentation of coring to include photographing, measuring and location of core extraction. Scope of Work: US-60 is located in Maricopa County, AZ, within the City of Glendale, AZ. It is a 6-lane highway that trends NW to SE direction. The requested coring location was located between I-17 and Grand Ave to the Agua Fria Freeway (AZ SR 101), AZ. Milepost length from 149.0 to 161.0.

SR-347: ADOT had requested this section to have asphalt coring performed for an approximate total of 36 cores. Documentation of coring to include photographing, measuring and location of core extraction. SR-347 is located in Maricopa County, AZ, between the city of Maricopa AZ, and I-10. It is a 4-lane highway that trends NE to SW direction. The requested coring location was located between I-10 and Maricopa, AZ. Milepost length from 175.0 to 191.0.

Region 2, Southcentral District

SR-187: ADOT had requested this section have asphalt coring performed for an approximate total of 11 cores. Documentation of coring to include photographing, measuring and location of core extraction. Scope of Work: SR-187 is located in Pinal County, AZ. It is a 2-lane section of highway that trends between I-10 and AZ-87. Milepost length from 186.0 to 193.0.

I-10: ADOT had requested this section have asphalt coring performed for an approximate total of 16 cores. Documentation of coring to include photographing, measuring and location of core extraction. I-10 is located in Pinal County, AZ. It is a 4-lane section of highway that trends NW to SE direction. The requested coring location on I-10 was located directly SE of Tucson, AZ. Milepost length from 272.0 to 275.0.

SR-387: ADOT had requested this section to have asphalt coring performed for an approximate total of 39 cores. Documentation of coring to include photographing, measuring and location of core extraction. SR-387 is located in Pinal County, AZ. It is a 4-lane section of highway that trends N to S direction. The request coring location was located between AZ-287 to I-10. Milepost length from 0.0 to 8.60.

Region 1, Northcentral District

SR-98: ADOT had requested this section to have asphalt coring performed for an approximate total of 36 cores. Documentation of coring to include photographing, measuring and location of core extraction. SR-98 is located in Coconino County, AZ. It is a 2-lane section of highway that trends NW to SE direction. The request coring location was located between US-160 to Kaibito, AZ. Milepost length from 328.0 to 340.0.

US-160: ADOT had requested this section to have asphalt coring performed for an approximate total of 36 cores. Documentation of coring to include photographing, measuring and location of core extraction. US-160 is located in Coconino County, AZ. It is a 2-lane section of highway that trends NE to SW direction. The request coring location was located between Tuba City, AZ to Tonalea, AZ. Milepost length from 321.0 to 335.0



Ninyo & Moore Fees

\$195,000

Owner

ADOT

Key Staff

Steve Nowaczyk, Ken Rush, Craig Rees, Dylan Walker, Byron Clayton, Marcos Mais, Jimmy Corrales

ADOT SR101: I-17 TO PIMA ROAD, GENERAL PURPOSE LANES *Maricopa County, Arizona*

Ninyo & Moore performed geotechnical, geophysical, construction materials testing, and post-design services for the design and construction of 14 miles for new general purpose lanes on SR-101L in both travel directions. The work also included 14 bridge widenings, constructing pavement, various structures, over 3.5 miles of retaining walls and sound walls, drainage, signing, pavement markings, street lighting, traffic signals, ITS, utilities relocation, landscape restoration, and AR-ACFC.

Our geotechnical services included background review; utility locating; subsurface explorations; in-house laboratory testing and preparation of multiple technical memorandums presenting our geotechnical findings and recommendations.

Our geophysical services included conducting a ground penetrating radar (GPR) survey at the surface of the approach and anchor slabs to better delineate the lateral extend of potential air voids located below the slabs; reviewing and compiling the data collected from the GPR survey; and exhibit presenting our results.

Our construction materials testing services included observation, testing, and sampling during the placement of soil, aggregate, concrete, and asphalt; in-house laboratory testing of soil, aggregate, concrete, and asphalt materials within an on-site mobile laboratory; and project management, data processing, and report review services of field and laboratory testing reports.



Ninyo & Moore Fees
\$1.6M

Owner
ADOT

Key Staff
Steve Nowaczyk, Ken Rush,
Craig Rees, Marcos Mais

ADOT SR89: DEEP WELL RANCH ROAD TO CHINO VALLEY *Yavapai County, Arizona*



Ninyo & Moore performed geotechnical and construction materials testing services for the widening and reconstruction of 4.7 miles on SR 89 to provide a four-lane roadway to the existing roundabout at Road 4 South with new roundabout at the southern end of the project to connect with SR 89 and the new Deep Well Ranch Road, and realignment of the Ruger Road connection with SR 89.

Our geotechnical services included background review; geologic recon; subsurface explorations; test pit excavations; in-house laboratory testing; and preparation of a geotechnical evaluation report.

Our materials testing services included asphalt coring; nearly 2,000 field density tests of box culverts, storm drains, structural backfill, embankment subgrade and compacted fill, pipe bedding, electrical conduits, headwall backfill, utility lateral backfill, curb and gutter, aggregate base, asphalt, asphalt concrete, and soil; sampling during the placement of concrete; observations; and field test reports.



Ninyo & Moore Fees
\$456,000

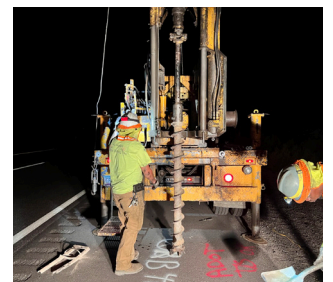
Owner
ADOT

Key Staff
Steve Nowaczyk, Ken Rush,
Craig Rees, Dylan Walker

ADOT I-10: DIRK LAY ROAD TO SR 387 *Pinal County, Arizona*

Ninyo & Moore performed geotechnical engineering and geophysical services for the design and construction of roadway widening on I-10 for 6 miles. This project included adding one additional lane in each direction of I-10 to the inside of the existing lanes, 4-span bridge widening on the south and 2-span bridge widening on the north side of the SR 387 and Pinal Avenue Interchange with extended cross road and reconstructed ramps.

Our services included background review; geologic recon; utility and boring location markout; arranging traffic control; subsurface explorations; in-house laboratory testing, seismic refraction testing at bedrock outcrop; and preparation of various reports including geotechnical, foundation design, pavement design, and materials design reports our findings, conclusions, and recommendations.



Ninyo & Moore Fees
\$160,000

Owner
ADOT

Key Staff
Steve Nowaczyk, Ken Rush,
Craig Rees

ADOT

I-10 HOUGHTON ROAD TRAFFIC INTERCHANGE

Pima County, Arizona

Ninyo & Moore performed a geotechnical evaluation, foundation design, pavement design, materials design, and post-design services for construction of a new, two-span bridge structure for Houghton Road to cross over I-10; re-alignment of Houghton Road within the project limits and construction of bridge approach sections on fill embankments and MSE walls; and drainage improvements within and around the project limits, including retention basins with earthen embankments, extension of existing reinforced concrete box culverts and corrugated metal pipe culverts, and construction of new metal pipe culverts.

Our services included background review; field recon; utility and boring location markout; subsurface explorations; test pit excavations; in-house laboratory testing; and preparation of a geotechnical, foundation design, pavement design, and materials design reports.



Ninyo & Moore Fees
\$224,000

Owner
ADOT

Key Staff
Steve Nowaczyk, Ken Rush,
Craig Rees, Marcos Mais




b. Subconsultant Experience



In January 2024 Trafficade officially changed its name to AWP Safety. We have been utilizing them on our current contract with ADOT for pavement coring services. AWP Safety delivers comprehensive traffic management services, supporting utility, broadband, and infrastructure in communities throughout the country. They have assisted us on multiple projects throughout Arizona including 13 ADOT projects and 120 Roadway related projects.

c. Financial and Human Resource Capacity

Ninyo & Moore has been in business for 38 years and has helped clients develop and implement innovative solutions to Pavement Coring and Geotechnical challenges on numerous projects in Arizona.

- 
Financial Resource Capacity: Ninyo & Moore is not only financially stable and solvent, but is, in fact, profitable, growing, and without any debt. We have an been rated financially strong by Dun & Bradstreet (Number 15-410-4079) and our clients are well-protected by our high quality work, financial resources, and excellent insurance coverage.
- 
Human Resource Capacity: We have the ability to draw from our staff of 600 professionals, which include registered environmental and geotechnical engineers, engineering geologists, civil engineers, and certified field technicians and special inspectors. Our Arizona operations has a staff of 132 employees including over 10 Professional Engineers and Geologists and 122 professional, administrative, and field personnel. We have offices and certified laboratories in Phoenix, Tucson, and Prescott.
- 
Workload: Ninyo & Moore's current and anticipated work load is such that experienced personnel to be assigned to this contract will be able to accomplish project assignments for the duration of this contract. Our project team is currently fully staffed and equipped to undertake the scope of services described in the solicitation announcement. Our extensive experience with on-call contracts and the flow of work resulting from these contracts has allowed our project managers to better forecast their current and anticipated workloads.

d. Quality Control Procedures

Ninyo & Moore has quality assurance and control programs for all services that facilitate compliance with project performance standards, schedules, and budgets. These comprehensive quality assurance plans utilize management approach manuals that delineate the interrelationship between management and technical staff and describe specific quality control procedures to be used during the project. The programs address time and budget management, client liaison, field and laboratory data collection, data compilation and analysis, report preparation, job safety, regulatory compliance, and peer and principal review.

Ninyo & Moore utilizes Kordâta, a cloud-based platform and mobile App for iOS and Android devices, that allows us to collect field data, photos, and test results in real time. It also provides our staff access to plans, specifications, mix designs, and past project site data. Field inspection and testing, and laboratory test data are uploaded and accessible by our project managers from anywhere via a PC, laptop computer, or mobile device. Staff can review, approve, and send results immediately using dashboards. Reports can be emailed and/or placed in a document repository of the client's preference. This software will enhance the development of this on-call.



Steven D. Nowaczyk

PE

Contract Manager/Principal Engineer

EXPERIENCE

34 Years in the Industry

25 Years with Ninyo & Moore

EDUCATION

M.S., Geotechnical Engineering, 1994,
University of Michigan

B.S., Civil Engineering, 1990,
Michigan State University

REGISTRATIONS

PE 34866 (Arizona)

PE 19584 (New Mexico)

PE 42103 (Michigan)

National Council of Examiners for Engineering
and Surveying 36667

PROFESSIONAL AFFILIATIONS

American Council of Engineering Companies

American Society of Civil Engineers

American Public Works Association

Arizona Water Association

AWARDS/RECOGNITION

2021 AZ Business Leader, Engineering

2012 Outstanding Engineer of the Year by
Engineers Week (E-Week)

Mr. Nowaczyk is experienced with performing and coordinating geotechnical investigations, monitoring field construction testing activities, performing oversight services for geo-dynamic and geo-investigation projects, providing field quality control support for construction projects, conducting laboratory testing, and reviewing reports. As Managing Principal Engineer for Ninyo & Moore's Arizona operations, Mr. Nowaczyk oversees geotechnical investigations and analyses; reviews and prepares soil and foundation reports and specifications; reviews and provides technical support to engineers, geologists, technicians, and construction personnel; coordinates engineering research and development activities; reviews and performs engineering calculations; and assists in business development.

PROJECT EXPERIENCE

- ADOT, Asphalt Pavement Coring Investigations On-Call
- ADOT, SR303L, Waddell Road to Mountain View Boulevard Maricopa County
- ADOT, I-17 and McGuierville Traffic Interchange, Yavapai County
- ADOT, SR89: Deep Well Ranch Road to Chino Valley, Yavapai County
- ADOT, I-10 Widening, Verrado Way to Sarival Avenue, Maricopa County
- ADOT, I-8 at Telegraph Pass, Mile Post 19.9, Yuma County
- ADOT, SR101: I-17 to Pima Road, General Purpose Lanes, Maricopa County
- ADOT, Guthrie Bridge Replacement, Greenlee County
- ADOT, I-10, Earley Road to Interstate 8, Pinal County
- ADOT, SR347 Union Pacific Railroad Overpass, Pinal County
- ADOT, I-10/Cienega Creek – Marsh Station, Cochise County
- ADOT, US70 Widening & Pedestrian Pathway, Graham County
- ADOT, I-10 Houghton Road Traffic Interchange, Pima County
- ADOT, I-10, Val Vista Boulevard to Earley Road, Pinal County
- ADOT, I-10: Dirk Lay Road to SR 387, Pinal County
- ADOT, SR101L Widening, General Purpose Lanes and HOV, Baseline Road to Chandler Boulevard, Maricopa County



Kenneth Rush III

PE

Project Engineer

EXPERIENCE

19 Years in the Industry

9 Years with Ninyo & Moore

EDUCATION

M.S., Geotechnical Engineering, 2007,
Illinois Institute of Technology

B.S., Civil Engineering, 2004,
University of Illinois at Urbana-Champaign

B.S. Physics, 2004 (dual degree), Illinois College

REGISTRATIONS

PE 62212 (Arizona)

PE 11011796 (Indiana)

PROFESSIONAL AFFILIATIONS

American Council of Engineering Companies

American Society of Civil Engineers

American Society of Highway Engineers

Geo-Institute (G-I)

Mr. Rush has extensive experience performing geotechnical analysis, geotechnical evaluations and geologic hazard investigations. He meets and interacts with clients; manages budgets; prepares geotechnical reports and recommendations, and reviews plans and specifications; plans and prepares site investigations; provides supervision of field investigations; provides recommendations for foundation evaluations, expansive soils and collapsible soils; evaluates field compliance with written earthwork specifications. Additional duties include assignment and compilation of laboratory testing and geotechnical calculations, including calculations pertaining to slope stability analysis, retaining walls, liquefaction, settlement analysis, drilled shafts and pile design.

PROJECT EXPERIENCE

- ADOT, Asphalt Pavement Coring Investigations On-Call
- ADOT, SR101: I-17 to Pima Road, General Purpose Lanes, Maricopa County
- ADOT, SR101L Widening, General Purpose Lanes and HOV, Baseline Road to Chandler Boulevard, Maricopa County
- ADOT, I-10: Dirk Lay Road to SR 387, Pinal County
- ADOT, Juan Sanchez Boulevard Improvements: San Luis Plaza Drive to Avenue E, Yuma County
- ADOT, SR89: Deep Well Ranch Road to Chino Valley, Yavapai County
- ADOT, US160 Chinle Wash Bridge Replacement, Teec Nos Pos, Apache County
- City of Globe/ADOT, Pinal Creek Bridge Replacement at Cottonwood Street and Pinal Creek, Pinal County
- Pinal County/ADOT, El Camino Viejo Bridge, Pinal County
- City of Goodyear/ADOT, Estrella Parkway and I-10 Widening, Maricopa County
- ADOT, SR68 Raised Median: Verde Road to Bacobi Road, Mohave County
- ADOT, I-10 Houghton Road Traffic Interchange, Pima County
- ADOT, SR303L Happy Valley Parkway to Lake Pleasant Parkway, General Purpose Lanes, Maricopa County



Craig Rees

Principal, Construction Services/S9



EXPERIENCE

27 Years in the Industry

24 Years with Ninyo & Moore



EDUCATION

B.S., Civil Engineering, 2011,
Arizona State University



PROFESSIONAL AFFILIATIONS

American Concrete Institute

Arizona Builders Alliance

Arizona Rock Products Association

Associated General Contractors

Urban Land Institute

Mr. Craig Rees's responsibilities include coordination of our construction services personnel and resources to ensure that the services will be optimized for each project. He oversees and assists the Construction Services Project Managers with project approach and budget control; Field and Laboratory Supervisors with developing and implementing our staff; and Dispatchers with providing qualified personnel and testing equipment as it becomes necessary to assure overall project success. He also performs special inspections of geosynthetic liners, fireproofing, and reinforced steel in masonry and concrete; provides geotechnical observation and testing services for residential, commercial, and industrial grading projects; assists with the training and supervision of other technicians; and performs quality control of completed laboratory test results.



PROJECT EXPERIENCE

- ADOT, Asphalt Pavement Coring Investigations On-Call
- ADOT, Temporary Technical Engineering Personnel Services On-Call
- ADOT, SR101: I-17 to Pima Road, General Purpose Lanes, Maricopa County
- ADOT, SR89: Deep Well Ranch Road to Chino Valley, Yavapai County
- ADOT, SR89 and SR69 Intersection, Yavapai County
- ADOT, SR86: MP 90 to MP 105, Pima County
- ADOT, SR202 HOV Lanes: Loop 101 to Gilbert Road, Maricopa County
- ADOT, US 180: Columbus Avenue to Snowbowl Road, Coconino County
- ADOT, I-17: 19th Avenue to Arizona Canal Trail, Maricopa County
- ADOT, I-10 and Florence Boulevard TI Improvements, Pinal County
- ADOT, Valle Verde Drive and Paseo Verde Drive Improvements, Santa Cruz County
- ADOT, I-10 Houghton Road Traffic Interchange, Pima County
- ADOT, US93 from Hoover Dam to Milepost 17, Mohave County
- ADOT, Wickenburg Truck Barn and Fuel Island, Maricopa County
- ADOT, SR51 HOV Lanes Design Build: I-10 to Shea Boulevard, Maricopa County



Dylan C. Walker

PE

Project Engineer

EXPERIENCE

9 Years in the Industry

9 Years with Ninyo & Moore

EDUCATION

B.S., Civil Engineering, 2015,
Arizona State University

REGISTRATIONS

PE 68750 (Arizona)

OSHA 10-Hour Certification

PROFESSIONAL AFFILIATIONS

Arizona Builders Alliance

American Public Works Association

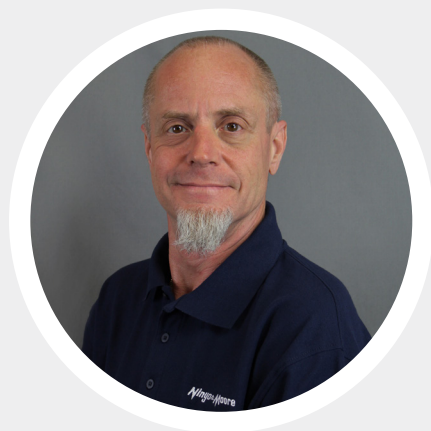
Associated General Contractors

Society of American Military Engineers

Mr. Walker performs project management duties carrying out geotechnical field evaluation and construction materials testing projects. Duties include geotechnical subsurface evaluations, performing boring layout for utility clearance, supervising drill rigs, settlement monitoring, pavement design, percolation testing, supervision of excavation subcontractors, test pits, logging, and classification of soils in the field, documentation of distressed structures, and assistance in reviewing construction documents including plans and specifications. Additional duties include compilation of geotechnical laboratory test data, geotechnical calculations, and performance of engineering calculations for slope stability, lateral earth pressure, foundation capacity for both deep and shallow foundations, and settlement. He also manages construction materials testing projects, including proposal preparation, managing project budgets and meeting and interacting with clients and design professionals. Mr. Walker coordinates and oversees field activities, including field technicians and inspectors for projects and visiting project sites to evaluate the work being performed.

PROJECT EXPERIENCE

- ADOT, Asphalt Pavement Coring Investigations On-Call
- ADOT, SR89: Deep Well Ranch Road to Chino Valley, Yavapai County
- ADOT, I-10, Earley Road to Interstate 8, Pinal County
- ADOT, SR101: I-17 to Pima Road, General Purpose Lanes, Maricopa County
- ADOT, SR51/SR101L Black Mountain Boulevard, Maricopa County
- ADOT, Country Club Drive Multi-Use Path, Maricopa County
- ADOT, State Route 87 and Randolph Road, Pinal County
- Navajo Nation Division of Transportation, N27, N7, N105 Roadway Improvements, Apache County
- MCDOT, MC85 Roadway Improvements, 75th Avenue to 95th Avenue, Maricopa County
- Town of Gilbert, Germann Road Improvements: Gilbert Road to Val Vista Drive, Maricopa County
- City of Phoenix, Van Buren and Grand Canal Bridge Replacement, Maricopa County



Byron G. Clayton

ACI

Staff Geologist/Senior Project Manager

EXPERIENCE

6 Years in the Industry

1 Year with Ninyo & Moore

EDUCATION

B.S., Geology, 2023,
Metropolitan State University of Denver

A.S., Applied Sciences, 2015,
Front Range Community College

CERTIFICATIONS

ACI Concrete Field Testing Technician Grade I
USDOT HAZMat

USDOT LABCAT Certification, APM Inspector

USDOT LABCAT Certification, No. Level AB

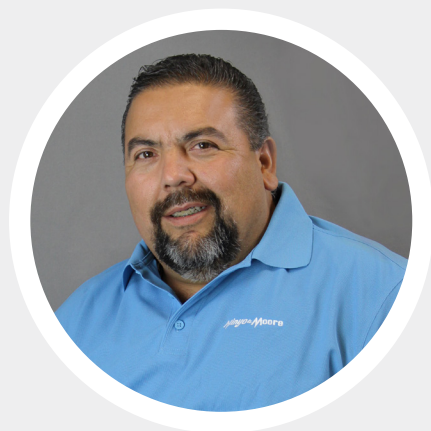
PROFESSIONAL AFFILIATIONS

American Institute of Professional Geologists

Byron manages construction materials testing projects, including managing project budgets and meeting and interacting with clients and design professionals. He also coordinates and oversees field activities, including field technicians and inspectors for projects, and visits the project sites to evaluate the work being performed. Byron conducts technical reviews and approval of all project related paperwork, and assists with troubleshooting on projects. Additional responsibilities include acquiring permits from public agencies, coordination and scheduling of subcontractors, field reconnaissance, mapping for geotechnical field work and writing geotechnical reports.

PROJECT EXPERIENCE

- ADOT, Asphalt Pavement Coring Investigations On-Call
- ADOT, Asphalt Pavement Coring Investigations, Southcentral District, SR187: MP 186 to MP 193
- ADOT, Asphalt Pavement Coring Investigations, Southcentral District, I-10: MP 272 to MP 275
- ADOT, Asphalt Pavement Coring Investigations, Southcentral District, SR347: MP 160 to MP 165
- ADOT, Asphalt Pavement Coring Investigations, Southcentral District, SR387: MP 0 to MP 8
- ADOT, Asphalt Pavement Coring Investigations, Northcentral District, SR98: MP 328 to MP 340
- ADOT, Asphalt Pavement Coring Investigations, Northcentral District, US160: MP 321 to MP 335
- ADOT, Asphalt Pavement Coring Investigations, Northeast District, SR191: MP 397 to MP 412
- ADOT, Asphalt Pavement Coring Investigations, Northeast District, I-40: MP 342 to MP 355
- ADOT, Asphalt Pavement Coring Investigations, Central District, US60: MP 149 to MP 161
- ADOT, Asphalt Pavement Coring Investigations, Central District, SR347: MP 175 to MP 191
- ADOT, Asphalt Pavement Coring Investigations, Southeast District, US70: MP 335 to MP 341
- ADOT, Asphalt Pavement Coring Investigations, Southeast District, AZ80: MP 339 to MP 345



Marcos Mais

ACI, ATTI

Senior Field Technician/S7

EXPERIENCE

28 Years in the Industry

13 Years with Ninyo & Moore

EDUCATION

Advanced Welding Technology, Western Technical College

Masonry Inspection, San Diego State University

CERTIFICATIONS

ACI Concrete Field Testing Technician, Grade 1

ATTI Field Technician, No. 17002F

City of Phoenix Special Inspector Card No. 38994

City of Phoenix Street Transportation Department

Radiation (Nuclear Gauge) User Safety

USDOT HAZMat

WTC Welding Qualification Test Record

Mr. Mais' responsibilities include assisting the laboratory manager with testing, calculations, and handling of soil and aggregate samples for various projects. He performs maximum density testing, and rock corrections and tests soils and aggregates for specific gravity, Atterberg limits, and consolidation with hydro-collapse potential. Mr. Mais also processes material for R-values, asphalt, and fireproofing; retrieves masonry, concrete, and grout samples from job sites for processing; tests masonry block, concrete cylinders, shotcrete, grout blocks, and mortar cubes for compressive strength; and maintains moisture room for concrete curing. He also performs placement observation, field sampling, and special inspection of concrete, asphalt concrete, masonry, mortar, and grout block and performs subsequent density testing of soils (nuclear gauge and sand cone). Additionally, he is proficient with Microsoft Word, Excel, and Outlook. He maintains proper and complete files of field and laboratory data, reports, letters, and other pertinent project data along with preparing all data sheets, calculations, report forms, and other paperwork in an efficient, clear, and thorough fashion.

PROJECT EXPERIENCE

- ADOT, SR101: I-17 to Pima Road, General Purpose Lanes, Maricopa County
- ADOT, I-10 Houghton Road Traffic Interchange, Pima County
- ADOT, SR303L Happy Valley Parkway to Lake Pleasant Parkway, General Purpose Lanes, Maricopa County
- ADOT, Wickenburg Truck Barn and Fuel Island, Maricopa County
- ADOT, West Flagstaff I-40 Traffic Interchange Overpass, Coconino County
- ADOT, I-17: 19th Avenue to Arizona Canal Trail, Maricopa County
- MCDOT, MC85 Roadway Improvements, 75th Avenue to 95th Avenue, Maricopa County
- City of Tucson, Downtown Links Phase III, Church Avenue to Broadway, Pima County
- Pima County, Kolb Road Widening: Sabino Canyon Drive to Sunset Drive, Pima County
- Pinal County, Hunt Highway Improvements Phase IV: Bella Vista Road to Magma Road
- City of Prescott, Penn Avenue and Eastwood Drive Improvements, Yavapai County



EXPERIENCE

2 Years in the Industry

2 Years with Ninyo & Moore

CERTIFICATIONS

ATTI Field Technician

Radiation (Nuclear Gauge) User Safety

USDOT HAZMat

Jimmy Corrales

ATTI

Field Technician/S7

Mr. Corrales has a thorough understanding of standard test methods and is experienced performing construction related soils and concrete tests. His responsibilities include preparation of reports and other pertinent field data as well as maintenance of field and laboratory data files. He performs placement observation, field sampling, and special inspection of concrete, asphaltic concrete, masonry, mortar, and grout block. He also provides observation of over-excavation and backfill per geotechnical recommendations; performs subsequent density testing of soils (nuclear gauge and sandcone); performs field sampling of soils, aggregates, and asphalt coring; and performs geotechnical laboratory testing per ASTM, AASHTO, and ACI standards. He has excellent verbal and written communication skills, a positive attitude, good organizational skills, and a strong work ethic. Additionally, he is proficient with Microsoft Word, Excel, and Outlook.

PROJECT EXPERIENCE

- ADOT, Asphalt Pavement Coring Investigations On-Call
- ADOT, Wickenburg Truck Barn and Fuel Island, Maricopa County
- ADOT, El Camino Viejo Bridge, Pinal County
- ADOT, De-Icing Materials Storage Building, Pinal County
- Town of Gilbert, Germann Road Improvements: Gilbert Road to Val Vista Drive, Maricopa County
- MCDOT, MC85 Roadway Improvements, 75th Avenue to 95th Avenue, Maricopa County
- Pinal County, Hanna and Houser Roadway Improvements
- City of Surprise, Sweetwater Avenue Improvements: SR 303 to Sarival Avenue, Maricopa County
- City of Avondale, 107th Avenue and McDowell Road Intersection Improvements, Maricopa County
- Town of Gilbert, Elliot Road and Cooper Road Intersection, Maricopa County
- City of Avondale, Avondale Boulevard and Lower Buckeye Road Intersection Improvements, Maricopa County
- City of Casa Grande, Thornton Road Improvements: Selma Highway to Peters Road, Pinal County
- City of Maricopa, East-West Corridor: SR347 to I-10, Pinal County
- City of Avondale, Avondale Boulevard Widening, Maricopa County

Crystal Tarverdian

From: ADOT Business Engagement and Compliance Office <AZUTRACS-Support@azdot.gov>
Sent: Monday, February 26, 2024 6:15 PM
To: Crystal Tarverdian
Cc: ContractorCompliance@azdot.gov
Subject: Bidders List for Ninyo & Moore Geotechnical and Environmental Sciences Consultants

Ninyo & Moore Geotechnical and Environmental Sciences Consultants, AZUTRACS Number: [10775](#) has submitted a Bidder/Proposer list for **2024-017** on 02/26/2024 at 6:14 PM MST (UTC - 07:00).

Bidders/Proposers for this firm include:

Firm Name	AZUTRACS #	Expiration Date	Email Address	Phone Number
Trafficade Services, LLC.	15317	08/21/2026	anthony.amato@awpsafety.com	216-401-7763



Engineering Consultants Section

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

Date: February 15, 2024
TO: ALL INTERESTED PARTIES
SUBJECT: AMENDMENT NUMBER 01
REFERENCE: REQUEST FOR QUALIFICATIONS
CONTRACT NUMBER 2024-017
On-Call Services for Pavement Coring and Limited Geotechnical Investigations

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

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

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

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

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

Ninyo & Moore Geotechnical & Environmental Sciences Consultants

Steve D. Nowatzky

CONSULTANT NAME

SIGNATURE

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



Our True North: *Safely Home*

Engineering Consultants Section

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

Date: February 21, 2024
TO: ALL INTERESTED PARTIES
SUBJECT: AMENDMENT NUMBER 02
REFERENCE: REQUEST FOR QUALIFICATIONS
CONTRACT NUMBER 2024-017
On-Call Services for Pavement Coring and Limited Geotechnical Investigations

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

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

Answer: Yes

Thank you,

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

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

Ninyo & Moore Geotechnical & Environmental Sciences Consultants
CONSULTANT NAME

Steve D. Noworyta
SIGNATURE

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

CONSULTANT INFORMATION PAGES (CIP)

CONTRACT NO.: 2024-017
CONTACT PERSON: Steven D. Nowaczyk
E-MAIL ADDRESS: snowaczyk@ninyoandmoore.com
TITLE: Contract Manager/Principal Engineer
CONSULTANT FIRM: Ninyo & Moore Geotechnical & Environmental Sciences Consultants
ADDRESS: 3202 E. Harbour Drive

CITY, STATE ZIP: Phoenix, AZ 85034
TELEPHONE: 602-243-1600
FAX NUMBER: 602-243-2699
DUNS #: Corporate: 154104079 | Phoenix: 035012496

ADOT CERTIFIED DBE FIRM? (YES/NO)
No

SUBCONSULTANT(S):	TYPE OF WORK	ADOT CERTIFIED DBE FIRM (YES/NO)
<u>Trafficade</u>	<u>Traffic Control</u>	<u>No</u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></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

SUBCONSULTANT(S) TABLE:

SUBCONSULTANT FIRM NAME:	Trafficade Services, LLC now AWP Safety
CONTACT PERSON:	Anthony Amato
E-MAIL ADDRESS:	anthony.amato@awpsafety.com
TITLE:	Director Of Contracts
ADDRESS:	2533 W. Holly Street
CITY, STATE ZIP:	Phoenix, AZ 85009
TELEPHONE:	(602) 431-0911
FAX NUMBER:	
DUNS #:	612050823


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.

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

02/29/2024

 Date

Steven D. Nowaczyk

 Printed Name

Contract Manager/Principal Engineer

 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

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