



Offer and Acceptance

State of Arizona
State Procurement Office
100 N. 15th Ave. Suite 201
Phoenix, AZ 85007

SOLICITATION NO.: ADSP016-00005912 Request
for Qualifications: 2016 Annual Professional
Services List

PAGE
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OF
1

Offeror: Alpha Geotechnical & Materials, Inc.

OFFER

TO THE STATE OF ARIZONA:

The Undersigned hereby offers and agrees to furnish the material, service or construction in compliance with all terms, conditions, specifications and amendments in the Solicitation and any written exceptions in the offer. Signature also certifies Small Business status.

Alpha Geotechnical & Materials, Inc.

Company Name

2504 West Southern Avenue

Address

Tempe
City

Arizona
State

85282
Zip

jweaver@alphageotech.com

Contact Email Address

James Weaver
Signature of Person Authorized to Sign Offer

James Weaver
Printed Name

President
Title

Phone: 602-453-3265

Fax: 602-453-3267

By signature in the Offer section above, the Offeror certifies:

1. The submission of the Offer did not involve collusion or other anticompetitive practices.
2. The Offeror shall not discriminate against any employee or applicant for employment in violation of Federal Executive Order 11246, State Executive Order 2009-9 or A.R.S. §§ 41-1461 through 1465.
3. The Offeror has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant in connection with the submitted offer. Failure to provide a valid signature affirming the stipulations required by this clause shall result in rejection of the offer. Signing the offer with a false statement shall void the offer, any resulting contract and may be subject to legal remedies provided by law.
4. The Offeror certifies that the above referenced organization X IS/ IS NOT a small business with less than 100 employees or has gross revenues of \$4 million or less.

ACCEPTANCE OF OFFER

The Offer is hereby accepted.

The Contractor is now bound to sell the materials or services listed by the attached contract and based upon the solicitation, including all terms, conditions, specifications, amendments, etc., and the Contractor's Offer as accepted by the State.

This Contract shall henceforth be referred to as Contract No. ADSP016-00005912

The effective date of the Contract is March 1, 2016

The Contractor is cautioned not to commence any billable work or to provide any material or service under this contract until Contractor receives purchase order, contract release document or written notice to proceed.

State of Arizona
Awarded this

26

day of

February

20 16

[Signature]

Procurement Officer

**ATTACHMENT I – General Qualifications**

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912

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DEFINITIONS

Architect Services, Engineer Services, Land Surveying Services, Assayer Services, Geologist Services and Landscape Architect Services: Those professional services within the scope of the practice of those services as provided in ARS § 32-101.

Branch Office: A geographically distinct place of business or subsidiary office of a firm that has a key role on the team.

Discipline: Primary technical capabilities of key personnel, as evidenced by academic degree, professional registration, certification, and/or extensive experience.

Firm: Defined in ARS § 32-101(B.19.).

Key Personnel: Individuals who will have major contract responsibilities and/or provide unusual or unique expertise.

SPECIFIC INSTRUCTIONS:

1. Complete this form for each branch office seeking work under this RFQ.

a. – e. **Firm (or Branch Office) Name and Address.** Self-explanatory.

f. **Year Established.** Enter the year the firm (or branch office, if appropriate) was established under the current name.

g. **Ownership.**

(g1). *Type.* Enter the type of ownership or legal structure of the firm (sole proprietor, partnership, corporation, joint venture, etc.).

(g2). *Small Business Status.* A firm is a small business if the firm has less than 100 employees **or** has gross revenues of \$4 million or less.

h.-j. **Point of Contact.** Provide this information for a representative of the firm that the Customer can contact for additional information. The representative must be empowered to speak on contractual and policy matters.

k. **Name of Firm.** Enter the name of the firm.

2. **Employees by Discipline.**

a. Select disciplines from the List of Disciplines (Function Code) listed on Page 3 of 4 Instructions. For employees that do not qualify for any of the disciplines, select Other. *Note: The intended searchable database indicated in the RFQ will be populated from the Qualifications Form I Excel attachment only.*

b. Each person can be counted only twice; once for his/her primary function and once for his/her secondary function. Primary and secondary functions should be indicated by including a "P" or an "S" in column b after the Description Title is given.

c-d. If the form is completed for a firm (including all branch offices), enter the number of employees by disciplines in column c. If the form is completed for a branch office, enter the number of employees by discipline in column d and for the firm in column c.

3. **Profile of Firm's Experience and Annual Average Revenue for Last Year.**

a. Enter the approximate number of projects the firm (or branch) has done attributable by Profile Code listed on Page 3 of 4 Instructions over the last year.



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- b. Enter the appropriate Profile Codes from Instructions Pages 3 of 4 that represent the type of work the firm (or branch) has done over the last year.
 - c. Using the Revenue Index Number on Page 3 of 6 Form, indicate the approximate revenue the firm has earned over the last year per Profile Code entered into the table.
4. **Resumes of Key Personnel Proposed for This Contract.** Complete this section for each key person who will participate in this contract.
 - a. Self-explanatory.
 - b. Self-explanatory.
 - c. Total years of relevant experience (block c1), and years of relevant experience with current firm, but not necessarily the same branch/office (block c2).
 - d. Name, City and State of the firm where the person currently works, which must correspond with one of the firms (or branch office or a firm, if appropriate) listed in Section 1.
 - e. Provide information on the highest relevant academic degree(s) received. Indicate the area(s) of specialization for each degree.
 - f. Provide information on current relevant professional registration(s) and in which State(s) they are current.
 - g. Provide information on any other professional qualifications relating to this contract, such as education, professional registration, publications, organizational memberships, certifications, training, awards, and foreign language capabilities.
 - h. Provide information on no more than five (5) projects in the last year which the person had a significant role that demonstrates the person's capability relevant to her/his proposed role in this contract. These projects do not necessarily have to be any of the projects presented in Section 5 for the project team if the person was not involved in any of those those projects or the person worked on other projects that were more relevant than the team projects in Section 5. Use the check box provided to indicate if the project was performed with any office of the current firm. If any of the professional services or construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description and Specific Role.
5. **Example Projects Which Best Illustrate Firms Qualification for this contract.** Select project where multiple team members worked together, if possible, that demonstrate the team's capability to perform work similar to that required for this contract. Complete one Section 5 for each project. List no more than five (5) projects.
 - a. Title and Locations of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.
 - b. Enter the year completed of the professional services (such as planning, engineering study, or design), and/or the year completed if construction. If any of the professional services or the construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description of Project and Relevance to This Contract (block f).
 - c. Project Owner or user, such as a government agency or installation, an institution, a corporation or private individual.
 - d. Provide the original budget or not to exceed dollar amount for the project.
 - e. Provide the Total Cost of the Project. If any of the professional services or construction projects is not complete, indicate the percentage complete and whether this project will be on budget, over or under budget.
 - f. Brief Description: Indicate scope, size, and length of project, principle elements and special features of the project. Discuss the relevance of the example project to this contract.
6. **Additional Information.** Use this section to provide additional information you feel may be necessary to describe your firm's qualifications for this contract.
7. **Annual Average Professional Services Revenues of Firm for Last 3 Years.** Complete this block for the firm or branch office for which this form is completed. In column a, enter an approximate percentage of total work attributable to State, Federal or Municipal Work. In column b, enter an approximate percentage of total work attributable to Non-Government work. Percentages should take into consideration work completed over the last 3 years.

**ATTACHMENT I – General Qualifications**

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
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8. **Authorized Representative.** An authorized representative of the firm or branch office must sign and date the completed form. Signing attests that the information provided is current and factual. Provide the name and title of the authorized representative who signed the form.

List of Disciplines (Function Codes) for Question 2

Aeronautical Engineer	Environmental Engineer	Mining Engineer
Agricultural Engineer	Environmental Scientist	Nuclear Engineer
Archeologist	Fire Protection Engineer	Petroleum Engineer
Architect	Geodetic Surveyor	Photogrammetrist
Architectural Engineering	Geographic Information System	Project Manager
Biologist	Specialist	Sanitary Engineer
CADD Technician	Geological Engineer	Soils Engineer
Chemical Engineer	Geologist	Structural Engineer
Civil Engineer	Hydrographic Surveyor	Technician/Analyst
Construction Manager	Hydraulic Engineer	Transportation Engineer
Construction Inspector	Hydrologist	Water Resources Engineer
Control Systems Engineer	Industrial Engineer	
Cost Engineer/Estimator	Landscape Architect	
Ecologist	Mechanical Engineer	
Electrical Engineer	Metallurgical Engineer	

List of Experience Categories (Profile Codes for Question 3)

Acoustics, Noise Abatement	Dams (<i>Concrete; Arch</i>)
Aerial Photography; Airborne Data and Imagery Collection and Analysis	Dams (<i>Earth; Rock</i>); Dikes; Levees
Activity Centers	Desalinization (<i>Process and Facilities</i>)
Air Pollution Control	Design-Build - Preparation of Requests for Proposals
Airports; Navajds; Airport Lighting; Aircraft Fueling	Digital Elevation and Terrain Model Development
Airports; Terminals and Hangars; Freight Handling	Digital Orthophotography
Agricultural Development; Grain Storage; Farm Mechanization	Dining Halls; Clubs; Restaurants
Animal Facilities	Dredging Studies and Design
Anti-Terrorism/Force Protection	Design & Planning Structured Parking Facilities
Area Master Planning	Detention Security Systems
Auditoriums and Theaters	Disability / Special Needs
Automation; Controls; Instrumentation	Ecological and Archeological Investigations
Barracks; Dormitories	Educational Facilities; Classrooms
Bridge Design: Bridges	Electrical Studies and Design
Cartography	Electronics
Cemeteries (<i>Planning and Relocation</i>)	Elevators; Escalators; People-Movers
Chemical Processing and Storage	Energy / Water Auditing Savings
Child Care/Development Facilities	Energy Conservation; New Energy Sources
Codes; Standards; Ordinances	Environmental Impact Studies, Assessments or Statements
Cold Storage; Refrigeration and Fast Freeze	Fallout Shelters; Blast-Resistant Design
Commercial Building (<i>Low Rise</i>); Shopping Centers	Fire Protection
Community Facilities	Fisheries; Fish Ladders
Communications Systems; TV; Microwave	Forensic Engineering
Computer Facilities	Garages; Vehicles Maintenance Facilities; Parking
Conservation and Resource Management	Gas Systems (<i>Propane; Natural, Etc.</i>)
Construction Management	Geodetic Surveying: Ground and Airborne
Construction Surveying	Heating; Ventilating; Air Conditioning
Corrosion Control; Cathodic Protection Electrolysis	Highways; Streets; Airfield Paving; Parking Lots
Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	Historical Preservation
Cryogenic Facilities	Hospital and Medical Facilities
Construction Materials Testing	Hotels; Motels
	<i>Housing (Residential, Multi-Family; Apartments; Condominiums)</i>

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Hotels; Motels
Hydraulics and Pneumatics
Hydrographic Surveying
Industrial Buildings; Manufacturing Plants
Industrial Processes; Quality Control
Industrial Waste Treatment
Intelligent Transportation Systems
Infrastructure
Irrigation; Drainage
Judicial and Courtroom Facilities
Laboratories; Medical Research Facilities
Land Surveying
Landscape Architecture
Libraries; Museums; Galleries
Lighting (*Interior; Display; Theater, Etc.*)
Lighting (*Exteriors; Streets; Memorials; Athletic Fields, Etc.*)
Labs - General
Labs – Research – Dry
Labs – Research – Wet
LEED Accredited A/E
LEED Independent 3rd Party Building Commissioning
Mapping Location/Addressing Systems
Materials Handling Systems; Conveyors; Sorters
Metallurgy
Materials Testing
Measurement / Verification / Conservation Water Consumption
Savings
Mining and Mineralogy
Medical Related
Modular Systems Design; Fabricated Structures or
Components
Mold Investigation
Museums
Nuclear Facilities; Nuclear Shielding
Office Buildings; Industrial Parks
Outdoor Recreation
Petroleum and Fuel (*Storage and Distribution*)
Photogrammetry
Pipelines (*Cross-Country - Liquid and Gas*)
Phase I Environmental
Prisons & Correctional Facilities
Plumbing and Piping Design
Prisons and Correctional Facilities
Product, Machine Equipment Design Pneumatic
Structures, Air-Support Buildings Power Generation,
Transmission, Distribution Public Safety Facilities
Radar; Sonar; Radio and Radar Telescopes
Radio Frequency Systems and Shielding's
Railroad; Rapid Transit
Recreation Facilities (*Parks, Marinas, Etc.*)
Refrigeration Plants/Systems
Rehabilitation (*Buildings; Structures; Facilities*)
Research Facilities
Resources Recovery; Recycling
Roof Infrared Imaging to Identify Water Leaks

Roofing
Safety Engineering; Accident Studies; OSHA Studies
Security Systems; Intruder and Smoke Detection
Seismic Designs and Studies
Sewage Collection, Treatment and Disposal
Soils and Geologic Studies; Foundations
Solar Energy Utilization
Solid Wastes; Incineration; Landfill
Special Environments; Clean Rooms, Etc.
Structural Design; Special Structures
Surveying; Platting; Mapping; Flood Plain Studies
Sustainable Design
Swimming Pools
Storm Water Handling and Facilities
Specifications Writing
Toxicology
Testing and Inspection Services
Traffic and Transportation Engineering
Topographic Surveying and Mapping
Towers (*Self-Supporting and Guyed Systems*)
Tunnels and Subways
Traffic Studies
Transportation
Urban renewals; Community Development
Utilities (*Gas and Steam*)
Value Analysis; Life-Cycle Costing
Warehouse and Depots
Water Resources; Hydrology; Ground Water
Water Supply; Treatment and Distribution
Wind Tunnels; Research/Testing Facilities Design
Waste Water Treatment Facility
Water Well Rehabilitation; Water Well Work
Zoning; Land Use Studies



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(If a firm has branch offices, complete for each specific branch office seeking work.)

1. **Annual Request for Qualifications**

a. FIRM (OR BRANCH OFFICE) NAME:	Alpha Geotechnical & Materials Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	2504 West Southern Ave
c. FIRM (OR BRANCH OFFICE) CITY:	Tempe
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85282
f. YEAR ESTABLISHED:	1998
(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Small
h. POINT OF CONTACT NAME AND TITLE:	Alf Wold
i. POINT OF CONTACT TELEPHONE NUMBER:	602-453-3265 ext. 132
j. POINT OF CONTACT E-MAIL ADDRESS:	awold@alphageotech.com
k. NAME OF FIRM (If block 1a is a branch office):	



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Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007****3. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST YEAR**

a. Approximate No. of Projects	b. Experience	c. Revenue Index Number (<i>see below</i>)
195	Construction Materials Testing	4
175	Materials Testing	4
85	Testing and Inspection Services	3
23	Phase I Environmental	1
165	Soils and Geologic Studies; Foundations	13

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- | | |
|---|---|
| 1. Less than \$100,000 | 6. \$2 million to less than \$5 million |
| 2. \$100,000 to less than \$250,000 | 7. \$5 million to less than \$10 million |
| 3. \$250,000 to less than \$500,000 | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater |



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
Phoenix, Arizona 850074. Resumes of Key Personnel Proposed for this Contract *(Complete one Section 4 for each key person.)*

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
James Weaver, P.E.	Principal Engineer	37	17

d. LOCATION *(City and State)*

Tempe, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*

Arizona State University, 1976

B.S. Civil Engineering

f. PROFESSIONAL TRAINING - REGISTRATIONS

Arizona Professional Civil Engineer, Certificate No. 12918

New Mexico Professional Civil Engineer, Certificate No. 9117

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*

American Council of Engineering Companies, Arizona Chapter, American Concrete Institute (ACI), American Society for Testing and Materials (ASTM), National Association of County Engineers

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	(1) TITLE AND LOCATION <i>(City and State)</i> Northwest Extension Light Rail Transit 19th Avenue: Dunlap to Bethany Home Road (South), Phoenix, Arizona	Ongoing	
		Testing and Inspection	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Engineer working with the City of Phoenix on the 3 year construction of approximately 3 mile extension of the Northwest Light rail service . Scope of work includes onsite testing, observations and inspection services. Total contract value over 3 years is \$1,500,000.00	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Secure Borders Initiative (SBInet Program), Border Fence, located throughout Southern Arizona	2010	
		Soils, Testing, Inspection	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Engineer working with L-3 Communications on the 3 year construction of an electronic and surveillance fence on the border of Mexico and Arizona near Ajo. Scope of work included soils and materials testing, onsite testing, observations and inspection services. Total contract value over 3 years was \$4,517,000.00	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Pinto Creek Diversion Channel, Miami, Arizona	2009	
		Testing and Inspection	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Engineer responsible for over site of materials sampling and testing in the construction of 5000 feet of a new channel at Pinto Creek near Miami, Arizona. Total contract value of \$115,000.00	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Siphon Draw Drainage Improvements, Phase I and II, Mesa, Arizona	2009	
		Testing and Inspection	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Engineer responsible for over site of observation, sampling and testing in the improvements and construction of 2 phases of a detention basin located at Elliot and Meridian Road. Total contract value of \$59,500.00	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> White Tanks - FRS #3, Maricopa County, Arizona	2007	
		Soils, Testing, Inspection	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Engineer responsible for over site of observation, sampling and testing in the construction of a Controlled Low Strength Material cutoff wall and placement of a Soil Cement Bank protection Structure at White Tanks FRS #3. Contract value of \$37,000.00	<input checked="" type="checkbox"/>	Check if project performed with current firm



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4. Resumes of Key Personnel Proposed for this Contract (Complete one Section 4 for each key person.)

a. NAME		b. ROLE IN THIS CONTRACT		c. YEARS EXPERIENCE	
Alf Wold, P.E.		Project Engineer		1. TOTAL 22	2. WITH CURRENT FIRM 11
d. LOCATION (City and State) Tempe, Arizona					
e. EDUCATION (DEGREE AND SPECIALIZATION) Brigham Young University, 1993, B.S. Civil Engineering			f. PROFESSIONAL TRAINING - REGISTRATIONS Arizona Professional Engineer, 2002 Certificate No. 34608		
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Council of Engineering Companies of Arizona, American Society for Testing and Materials (ASTM) American Concrete Institute (ACI), Arizona Residential Post Tension Roundtable (ARPTA)					
H. RELEVANT PROJECTS					
1.	(1) TITLE AND LOCATION (City and State) Vistancia Blvd Central Arizona Project Canal, Peoria, Arizona			(2) YEAR COMPLETED 2014	
				Professional Services Sampling, Testing, Inspection	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for the over site of testing, observation and inspection of a bridge spanning over the Center Arizona Project canal at Vistancia Blvd. Contract value of \$82,500.00			<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) Lafayette Interceptor Drain and Outlet, Phoenix, Arizona			(2) YEAR COMPLETED 2013	
				Professional Services Testing and Inspection	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for the over site of testing, observation and inspection of storm drain construction and associated roadway improvements on Lafayette Blvd. between Arcadia and 44 th street in Phoenix. Contract value of \$82,500.00			<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) Sonoqui Wash Channelization Phase 3-A1 and 3-A2, Pinal County, Arizona			(2) YEAR COMPLETED 2010	
				Professional Services Testing and Inspection	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for the over site of testing, materials sampling and inspection of the excavation and construction of channel and roadway improvements to Sonoqui Wash in Pinal County. Contract value of \$45,500.00			<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) VA National Cemetery - Columbarium Expansion and Memorial Wall, Phoenix, Arizona			(2) YEAR COMPLETED 2014	
				Professional Services Testing and Inspection	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for the over site of testing, observation and inspection for the VA National Cemetery-Columbarium Expansion. Contract value of \$16,000.00			<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) GRIC Reverse Osmosis Water Treatment Facility, GRIC, Arizona			(2) YEAR COMPLETED 2009	
				Professional Services Sampling, Testing, Inspection	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer responsible for the over site of materials sampling, testing and observation in the construction of a Reverse Osmosis Water Treatment Facility located within the Gila River Indian Community. Contract value of \$15,000.00			<input checked="" type="checkbox"/> Check if project performed with current firm	



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4. Resumes of Key Personnel Proposed for this Contract (Complete one Section 4 for each key person.)

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
Scott Randy Smith, P.E.	Senior Geotechnical Engineer	1. TOTAL 28	2. WITH CURRENT FIRM 4
d. LOCATION (City and State) Tempe, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Arizona State University, 1986, Bachelor of Science Geological Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Arizona Professional Engineer, 1993, Certificate No. 26880	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Council of Engineering Companies of Arizona, American Society for Testing and Materials (ASTM) American Concrete Institute (ACI), Arizona Residential Post Tension Roundtable (ARPTA)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) ASARCO Ray Mine #4 Booster Station, Kearney, Arizona	(2) YEAR COMPLETED 2014
		Professional Services Soils and Geologic Studies
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Geotechnical Engineer performed a Geotechnical Subsurface Exploration including recommendations for the design of suitable foundation types, site grading and structural fill placement, moisture protection and construction considerations for the proposed construction of a new #4 Booster Station located at the ASARCO Ray Mine in Kearney, Arizona. Contract value of \$5,500.00	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) ASARCO Ray Mine F-Wash Storm Channel, Kearney, Arizona	(2) YEAR COMPLETED 2014
		Professional Services Soils and Geologic Studies
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Geotechnical Engineer responsible for the over site of advancing bore holes along the channel bottom to perform sieve analyses; Atterberg limit; pH and resistivity; soluble sulfate and chloride content testing at the F-Wash Storm Water Channel located at the ASARCO Ray Mine in Kearney, Arizona Contract value of \$6,408.00	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) APS 2300/69KV Underground Duct Bank, Tempe, Arizona	(2) YEAR COMPLETED 2013
		Professional Services Soils and Geologic Studies
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Geotechnical Engineer performed a Geotechnical Subsurface Exploration to provide geotechnical information on existing soil and fill conditions for the area of settling soils and landfill materials located beneath and adjacent to the existing 69 kV and portions of three 230 kV lines located at Rio Salado Parkway between Hardy Drive and 69KV Tower, east of Priest Drive, in Tempe, Arizona. Contract value of \$9,358.00	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Kiwanis Park – Light Poles, Tempe, Arizona	(2) YEAR COMPLETED 2012
		Professional Services Soils and Geologic Studies
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Geotechnical Engineer performed a Geotechnical Subsurface Exploration for the investigation of soils to a depth of twenty five feet below the existing pole site elevations for the proposed construction of sixteen light poles for the Soccer Field and Baseballs Field at Kiwanis Park located in Tempe, Arizona. Contract value of \$8,800.00	<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Arlington Valley Solar Energy II Facility, Maricopa County, Arizona	(2) YEAR COMPLETED 2011
		Professional Services Soils and Geologic Studies
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Geotechnical Engineer performed a Geotechnical Subsurface Exploration including recommendations for the design of suitable foundation types, site grading and structural fill placement, moisture protection and construction considerations for the proposed construction of a solar power facility located near 366 th Avenue and Narramore Road in Maricopa County, Arizona. Contract value of \$26,685.00	<input checked="" type="checkbox"/> Check if project performed with current firm



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4. Resumes of Key Personnel Proposed for this Contract (Complete one Section 4 for each key person.)

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
W. Rickey Kurtz, P.E.	Senior Project Manager	1. TOTAL 23	2. WITH CURRENT FIRM 2
d. LOCATION (City and State) Tempe, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) University of Nevada at Reno, Nevada 1992, B.S. Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Arizona Professional Civil Engineer, Certificate No. 41259 California Professional Civil Engineer, Certificate No. 65150	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Council of Engineering Companies of Arizona, American Society for Testing and Materials (ASTM) American Concrete Institute (ACI)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) ADOT, Estrella Freeway SR 303L: US 60 (Grand Avenue) / SR 303L Interim Traffic Interchange., Surprise, Arizona	(2) YEAR COMPLETED Ongoing	
		Professional Services Soils, Testing, Inspection	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager on new traffic interchange. Responsible for overseeing observation and testing of the site grading, excavations, and construction materials testing of concrete, base course materials, and asphalt concrete Contract value of \$295,800.00	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) ADOT US 60 / Meridian Road Traffic Interchange, Apache Junction, Arizona	(2) YEAR COMPLETED Ongoing	
		Professional Services Soils, Testing, Inspection	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager on new traffic interchange. Responsible for overseeing observation and testing of the site grading, excavations, and construction materials testing of concrete, base course materials, and asphalt concrete Contract value of \$48,260.00	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Eagle College Prep School Maryvale Campus, Phoenix, Arizona	(2) YEAR COMPLETED 2014	
		Professional Services Testing and Inspection	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager on a new build charter elementary school. Responsible for overseeing observation and testing of the site grading, special inspection of footing excavations, and construction materials testing of concrete, masonry, base course materials, and asphalt concrete.	<input type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) American Leadership Academy Vista Heights Charter School, Queen Creek, Arizona	(2) YEAR COMPLETED 2015	
		Professional Services Testing and Inspection	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager on a new construction 3 building campus. Responsible for overseeing observation and testing of the site grading, special inspection of footing excavations, and construction materials testing of concrete, masonry, base course materials, and asphalt concrete.	<input type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Tempe Center for the Arts, Tempe, Arizona	(2) YEAR COMPLETED 2007	
		Professional Services Testing and Inspection	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager on 89,000 square foot Center for the Arts. Responsible for overseeing observation and testing of the site grading, testing of construction materials including concrete, masonry, base course materials, and asphalt concrete, and special inspection of reinforced concrete, structural masonry, structural steel, and fireproofing.	<input type="checkbox"/>	Check if project performed with current firm

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**5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR
THIS CONTRACT**

(Present no more than five (5) projects. Complete one Section 5 for each project.)

a. TITLE AND LOCATION <i>(City and State)</i>	b. YEAR COMPLETED Ongoing	
Soils and Materials Testing On-Call Consulting Services for the City of Phoenix	PROFESSIONAL SERVICES Soils, Testing, Inspection	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Phoenix	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$900,000	e. TOTAL COST OF PROJECT Ongoing
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Our services include geotechnical investigations and construction materials testing for infrastructure projects for the Street Transportation Department. We provide qualified technicians to perform the work of quality assurance on city projects including large scale paving jobs, sewer, water, storm drain, and municipal buildings.

Under the Soils and Materials Testing On-Call Consulting Services for the City of Phoenix, Alpha Geotechnical has been primarily servicing the Northwest Extension Light Rail Transit Project, on 19th Avenue from Dunlap Avenue to Bethany Home Road in Phoenix, Arizona. This \$327M project consists of approximately 3.2 miles of double track Light Rail Transit (LRT) primarily on 19th Avenue between Dunlap Avenue and Bethany Home Road. Construction will include three (3) stations (two center platform on-line stations on 19th Avenue: one near Glendale Avenue and one at Northern Avenue; and a terminus station adjacent to Dunlap Avenue), a concrete paved embedded track, three (3) traction power substations, LRT signals interlocking/track crossovers, and various LRT signals/communications. Since January 2012, Alpha has provided the lead technician for this project providing earthwork, concrete and asphaltic concrete materials testing.

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THIS CONTRACT***(Present no more than five (5) projects. Complete one Section 5 for each project.)***a. TITLE AND LOCATION (City and State)****Soils and Materials Testing and Geotechnical Services for Salt River Pima-Maricopa Indian Community****b. YEAR COMPLETED** OngoingPROFESSIONAL SERVICES
Soils, Testing, InspectionCONSTRUCTION *(If applicable)***23. PROJECT OWNER'S INFORMATION****c. PROJECT OWNER****Salt River Pima-Maricopa Indian
Community****d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT****\$300,000.00****e. TOTAL COST OF PROJECT****Ongoing****f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)**

Alpha's responsibilities include acting as the Community's agent on assigned projects in all matters of Geotechnical Engineering Services field observation and testing. Our services include providing Geotechnical Investigations for new construction of community buildings and infrastructure. We also provide qualified technicians to perform the work of quality assurance on community projects ranging from large scale paving jobs, to public buildings.

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THIS CONTRACT***(Present no more than five (5) projects. Complete one Section 5 for each project.)***a. TITLE AND LOCATION (City and State)****On-Call Quality Assurance Materials Testing Service for Flood Control
District of Maricopa County****b. YEAR COMPLETED 2014****PROFESSIONAL SERVICES
Soils, Testing, Inspection****CONSTRUCTION (If applicable)****23. PROJECT OWNER'S INFORMATION****c. PROJECT OWNER****Flood Control District of Maricopa
County****d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT****\$250,000.00****e. TOTAL COST OF PROJECT****Ongoing****f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)**

Alpha provides on-call services to the Flood Control District. Some of the recent representative projects include the Camelback Road large diameter storm drain in Phoenix and the Reems Road channel and retention basin upgrades and repairs in Glendale. Alpha also performed testing for a concrete lined channel at the White Tanks Mountain in West Phoenix. Our scope included field density testing, sampling of Portland cement concrete, and general field observation activities.

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THIS CONTRACT***(Present no more than five (5) projects. Complete one Section 5 for each project.)*

a. TITLE AND LOCATION <i>(City and State)</i>	b. YEAR COMPLETED 2015	
Florence Territory Square Library & Recreation Complex	PROFESSIONAL SERVICES Soils, Testing, Inspection	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Town of Florence	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$40,500	e. TOTAL COST OF PROJECT \$40,500
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

The Florence Territory Square Library and Recreation Complex project consists of a 27,800 single story facility with meeting rooms, recreation programs rooms, shared plaza area, public library, collection areas, study rooms and shared program rooms. Alpha provided materials sampling and testing services to determine compliance with the applicable specifications and Town of Florence regulations during mass grading, sewer, water and utility line trench backfill; placement of concrete for sidewalk, curbs, gutters and for asphaltic concrete paving. Alpha also provided Special Inspections of soils, and Reinforced Concrete and Masonry for the structures.

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THIS CONTRACT***(Present no more than five (5) projects. Complete one Section 5 for each project.)***a. TITLE AND LOCATION (City and State)**

Town of Florence Operations Building Expansion

b. YEAR COMPLETED 2015PROFESSIONAL SERVICES
Soils, Testing, InspectionCONSTRUCTION *(If applicable)***23. PROJECT OWNER'S INFORMATION****c. PROJECT OWNER**

Town of Florence

d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT

\$7,500

e. TOTAL COST OF PROJECT

\$7,500

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

The Town of Florence Operations Building Expansion project consists of the operations building, construction of a reuse pump station and performing related site work. Alpha provided materials sampling and testing services to determine compliance with the applicable specifications and Town of Florence regulations during sewer, water and utility line trench backfill; placement of concrete for sidewalk, curbs, gutters and for asphaltic concrete paving. Alpha also provided Special Inspections of soils, and Reinforced Concrete and Masonry for the structures.

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- a. **PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.)**

See attached file for additional information.

7. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

a. Percentage of Total Work Attributable to State, Federal and Municipal Government Work:	43
b. Percentage of Total Work Attributable to Non-Government Work:	57

8. AUTHORIZED REPRESENTATIVE. The foregoing is a statement of facts.Signature: Alf WoldDate: December 21, 2015Name: Alf Wold, P.E.Title: Vice President