



# Offer and Acceptance

**State of Arizona**  
**State Procurement Office**  
 100 N. 15<sup>th</sup> Ave. Suite 201  
 Phoenix, AZ 85007

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

PAGE  
1

Offeror: Ritoch - Powell & Associates

OF  
1

## 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.

### RITOCH-POWELL & Associates

Company Name

5727 N. 7th Street, Suite 120

Address

Phoenix Arizona 85014

City State Zip

KObergh@ritochpowell.com

Contact Email Address

Signature of Person Authorized to Sign Offer

Karl Obergh

Printed Name

President / Chief Executive Officer

Title

Phone: 602.263.1177

Fax: 602.277.6286

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  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

29 day of February 2016

Procurement Officer



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
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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.
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



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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 Specialist | Project Manager          |
| Biologist                 | Geological Engineer                      | Sanitary Engineer        |
| CADD Technician           | Geologist                                | Soils Engineer           |
| Chemical Engineer         | Hydrographic Surveyor                    | Structural Engineer      |
| Civil Engineer            | Hydraulic Engineer                       | Technician/Analyst       |
| Construction Manager      | Hydrologist                              | Transportation Engineer  |
| Construction Inspector    | Industrial Engineer                      | Water Resources Engineer |
| Control Systems Engineer  | Landscape Architect                      |                          |
| Cost Engineer/Estimator   | Mechanical Engineer                      |                          |
| Ecologist                 | Metallurgical Engineer                   |                          |
| Electrical Engineer       |  |                          |

List of Experience Categories (Profile Codes for Question 3)

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



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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 3<sup>rd</sup> 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:	<b>RITUCH-POWELL &amp; Associates</b>
b. FIRM (OR BRANCH OFFICE) STREET:	5727 N. 7 <sup>th</sup> Street, Suite 120
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85014
f. YEAR ESTABLISHED:	1978
(g1). OWNERSHIP - TYPE:	C-Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	SBA
h. POINT OF CONTACT NAME AND TITLE:	Karl Obergh, PE President / Chief Executive Officer
i. POINT OF CONTACT TELEPHONE NUMBER:	602.263.1177
j. POINT OF CONTACT E-MAIL ADDRESS:	kobergh@ritochpowell.com
k. NAME OF FIRM (If block 1a is a branch office):	N/A



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**2. EMPLOYEES BY DISCIPLINE**

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Architect	S	1	
CADD Technician	P S	5 6	1 5
Civil Engineer	P S	6 5	2
Construction Manager	P S	1 1	
Construction Inspector	P S	2 3	1
Cost Engineer/Estimator	P S	1 1	
Geodetic Surveyor	P S	1 3	1 1
Geographic Information System	P	1	1
Hydraulic Engineer	P	1	
Hydrologist	S	2	
Project Manager	P S	5 1	1 1
Sanitary Engineer	P	1	
Structural Engineer	P	1	
Technician / Analyst	P S	10 8	8 1
Transportation Engineer	P S	2 2	
Water Resources Engineer	P S	2 2	1
Other	P S	4 6	1 4
<b>Total</b>		<b>43 Prime</b>	<b>15 Prime</b>



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**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>
<b>2</b>	Area Master Planning	<b>2</b>
<b>3</b>	Construction Management	<b>5</b>
<b>15</b>	Construction Surveying	<b>3</b>
<b>6</b>	Design-Build – Preparation of Request for Proposal	<b>5</b>
<b>16</b>	Highways; Streets; Airfield Paving; Parking Lots	<b>6</b>
<b>2</b>	Historical Preservation	<b>2</b>
<b>10</b>	Housing (Residential; Multi-Family; Apartments; Condominiums)	<b>4</b>
<b>18</b>	Infrastructure	<b>6</b>
<b>4</b>	Testing and Inspection Services	<b>5</b>
<b>6</b>	Garage, Vehicle Maintenance Facilities, Parking	<b>3</b>
<b>5</b>	Structural Design, Special Structures	<b>2</b>
<b>3</b>	Recreation Facilities (Parks, Marinas, Etc.)	<b>4</b>
<b>17</b>	Surveying; Platting; Mapping; Flood Plain Studies	<b>4</b>
<b>16</b>	Traffic and Transportation Engineering	<b>5</b>
<b>21</b>	Topographic Surveying and Mapping	<b>4</b>
<b>4</b>	Water Resources; Hydrology; Ground Water	<b>5</b>

**PROFESSIONAL SERVICES REVENUE INDEX NUMBER**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>1. Less than \$100,000</li> <li>2. \$100,000 to less than \$250,000</li> <li>3. \$250,000 to less than \$500,000</li> <li>4. \$500,000 to less than \$1 million</li> <li>5. \$1 million to less than \$2 million</li> </ul> | <ul style="list-style-type: none"> <li>6. \$2 million to less than \$5 million</li> <li>7. \$5 million to less than \$10 million</li> <li>8. \$10 million to less than \$25 million</li> <li>9. \$25 million to less than \$50 million</li> <li>10. \$50 million or greater</li> </ul> |
|--|--|



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

a. NAME <b>Karl Obergh, PE</b>	b. ROLE IN THIS CONTRACT <b>Project Principal, Quality Assurance/Quality Control</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>26</b>	2. WITH CURRENT FIRM <b>12</b>
d. LOCATION <i>(City and State)</i> <b>Phoenix, AZ</b>		e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> <b>BS, Civil Engineering</b>	
		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ PE #34008 – Civil</b>	

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)* **Awards:** 2012 ASCE Region 8 Outstanding Civil Engineer Award – Civil Engineer of the Year, 2013 EWeek Greater Phoenix Area Outstanding Engineer of the Year, City of Phoenix Development Advisory Board (Contractors); **Organizations:** AZ Society of Professional Engineers, AZ Council of Engineering Companies, AZ Society of Civil Engineers, American Public Works Association, American Indian Chamber of Commerce

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Buckeye Roosevelt Improvement District, Buckeye, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2015</b>	Construction (if applicable) <b>2016</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This project involves infrastructure improvements including comprehensive drainage analysis of two square mile area located south of I-10, existing and proposed roadways, and proposed waterlines and sanitary sewer lines. <b>Size: 3 miles; Cost: \$1M; Role: Project Principal</b>	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Roosevelt Row, Phoenix, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2015</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>Ongoing. Phase 1 Completed (01/2015) – Phase 2 (Projected completion 02/2016)</b> This project consists of narrowing Roosevelt Street from Central Avenue to 4th Street, which accommodates to make room for wider sidewalks, street and pedestrian lighting, landscaping and irrigation, site furnishings, and shade structures. <b>Size: 1 mile; Cost: \$390,672; Role: Project Principal</b>	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Gilbert Road Phase 3 Improvements CM, Chandler, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>2015</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided CM, roadway/drainage design, ADA ramp design, surveying, ROW descriptions, utility coordination, and federal compliance services for this Federally funded project. <b>Size: 1.5 miles; Cost: \$770K; Role: Project Principal</b>	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Arizona Department of Emergency Military Affairs (DEMA) ALTA Survey, Various, AZ (Maricopa, Pima, Cochise, Santa Cruz Counties)</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided field and office survey services, including management and oversight of sub consultants and vendors. Phase I Environmental Site Assessments and appraisal (valuation) services for twenty-six parcels. <b>Size: 26 Parcels; Cost: \$236K; Role: Project Principal</b>	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Arizona State Veterans Memorial Cemetery, Marana, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>2015</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Completed special structural inspections. Provide a thorough bid documents review prior to inspections. Also provided detailed inspection reports, photographic documentation and engineering support for the ADVS. <b>Size: 35 acres; Cost: \$101,016; Role: Senior Project Principal</b>	<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>Pete Hemingway, PE</b>	b. ROLE IN THIS CONTRACT <b>Project Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>33</b>	2. WITH CURRENT FIRM <b>2</b>

d. LOCATION (City and State) **Phoenix, AZ**

e. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Civil Engineering</b>	f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ PE #23232 - Civil</b>
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g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) **Organizations:** American Society of Civil Engineers, Society of American Military Engineers, APWA, National Society of Professional Engineers, City of Phoenix-Development Services Advisory Board Chairperson 2001-2003, Arizona Minority Contractors Association Board of Directors, Southeast Valley Pop-Warner Football Coach, Board Member and VP; Arizona Town Hall, American Indian Chamber of Commerce

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>Gilbert Road Phase 3 Improvements CM, Chandler, AZ</b>	<b>2014</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided CM, roadway/drainage design, ADA ramp design, surveying, ROW descriptions, utility coordination, and federal compliance services for this Federally funded project. <b>Size:</b> 1.5 miles; <b>Cost:</b> \$770K; <b>Role:</b> Senior Project Engineer	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	<b>Buckeye Roosevelt Improvement District, Buckeye, AZ</b>	<b>2015</b>	<b>2016</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project involves infrastructure improvements including comprehensive drainage analysis of two square mile area located south of I-10, existing and proposed roadways, and proposed waterlines and sanitary sewer lines. <b>Size:</b> 3 miles; <b>Cost:</b> \$1M; <b>Role:</b> Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	<b>Arizona State Veterans Memorial Cemetery, Marana, AZ</b>	<b>2014</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Completed special structural inspections. Provide a thorough bid documents review prior to inspections. Also provided detailed inspection reports, photographic documentation and engineering support for the ADVS. <b>Size:</b> 35 acres; <b>Cost:</b> \$101,016; <b>Role:</b> Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	<b>ADVS Special Structural Inspections, Camp Navajo, Bellemont, AZ</b>	<b>2014</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Special structural inspections for structural improvements at the new Arizona Veterans' Memorial Cemetery at Camp Navajo in Bellemont, Arizona. <b>Size:</b> 30 acres; <b>Cost:</b> \$7M; <b>Role:</b> Project Principal	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	<b>Estrella Park Sports Fields, Goodyear, AZ.</b>	<b>2014</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided engineering design and services in support of the development of a new Sports Field Complex within Estrella Mountain Regional Park, located in the City of Goodyear, Arizona. This report provides the sewer, irrigation, and potable water system alternatives for the proposed improvements. <b>SIZE:</b> One mile, non-motorized path; <b>COST:</b> Design \$145K/ Construction \$875K; <b>Role:</b> Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm



**ATTACHMENT I – General Qualifications**  
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**ADSP016-00005912**

**STATE PROCUREMENT OFFICE**  
**Department of Administration**  
**100 North 15<sup>th</sup> Avenue, Suite 201**  
**Phoenix, Arizona 85007**

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

a. NAME <b>Frank Henderson, PE</b>	b. ROLE IN THIS CONTRACT <b>Project Manager/ Construction Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>36</b>	2. WITH CURRENT FIRM <b>8</b>

d. LOCATION (City and State) **Phoenix, AZ**

e. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Civil Engineering</b>	f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ PE #28940 - Civil</b>
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g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) **Organizations:** American Public Works Assoc.; Arizona Society of Civil Engineers; Society of American Military Engineers, American Indian Chamber of Commerce

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>Gilbert Road Phase 3 Improvements CM, Chandler, AZ</b>	<b>2014</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided CM, roadway/drainage design, ADA ramp design, surveying, ROW descriptions, utility coordination, and federal compliance services for this Federally funded project. <b>Size:</b> 1.5 miles; <b>Cost:</b> \$770K; <b>Role:</b> Senior Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	<b>Arizona State Veterans Memorial Cemetery, Marana, AZ</b>	<b>2014</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Completed special structural inspections. Provide a thorough bid documents review prior to inspections. Also provided detailed inspection reports, photographic documentation and engineering support for the ADVS. <b>Size:</b> 35 acres; <b>Cost:</b> \$101,016; <b>Role:</b> Senior Project Engineer/PM	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	<b>Roosevelt and Lexington Improvements, Maricopa, AZ</b>	<b>2014</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project was assigned from the City of Maricopa On-Call. Provide survey, roadway design, drainage improvements, floodplain evaluation for interim road configuration. The project goal is that the interim roadway condition is compatible with the ultimate roadway condition to reduce the right-of-way away costs. <b>Size:</b> 1 mile; <b>Cost:</b> \$68K; <b>Role:</b> Project Principal	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	<b>BIA IDIQ A&amp;E Services, Navajo Nation, Arizona, New Mexico and Utah</b>	<b>2014</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Ongoing - 2019 (projected construction completion).</b> Includes preliminary engineering, location surveying related to the design of roads, bridges, and/or other transportation facilities along with production of site maps, soil and materials surveys, geotechnical explorations, engineering reports, and preparation of complete PS&E in accordance with applicable standards including those from BIA, FHWA, and AASHTO. <b>Size:</b> Navajo Nation; <b>Cost:</b> \$7.5M; <b>Role:</b> Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	<b>Washington Street Improvements, Chandler, AZ</b>	<b>2015</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Ongoing.</b> Streetscape improvements between Frye Road and Elgin Street as part of a downtown revitalization project. Improvements include full-depth pavement reconstruction, curb and gutter, attached sidewalk, bike lanes, and on-street parking. Project amenities include lighting, landscape treatments, stormwater conveyance, signing, marking, and curb ramp upgrades. <b>Size:</b> ¼ mile; <b>Cost:</b> \$192K; <b>Role:</b> Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm



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**Phoenix, Arizona 85007**

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

a. NAME <b>John Berghian, PE, SE, RA</b>	b. ROLE IN THIS CONTRACT <b>Structural Engineer/ Architect</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>32</b>	2. WITH CURRENT FIRM <b>5</b>

d. LOCATION (City and State) **Phoenix, AZ**

e. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Civil Engineering</b>	f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ PE #24332, CA PE #67280 - Civil; AZ SE #20398, NV SE #022827 – Structural; AZ RA #24633 – Registered Architect</b>
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g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) **Organizations:** American Society of Civil Engineers, Aircraft Owners and Pilots Association, Experimental Aircraft Association, Arizona Airports Association, American Indian Chamber of Commerce

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>Arizona State Veterans Memorial Cemetery, Marana, AZ</b>	<b>2014</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Completed special structural inspections. Provide a thorough bid documents review prior to inspections. Also provided detailed inspection reports, photographic documentation and engineering support for the ADVS. <b>Size: 35 acres; Cost: \$101,016; Role: Lead inspector</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	<b>Roosevelt Row, Phoenix, AZ</b>	<b>2015</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Ongoing. Phase 1 Completed (01/2015) – Phase 2 (Projected completion 02/2016).</b> This project consists of narrowing Roosevelt Street from Central Avenue to 4th Street, which accommodates to make room for wider sidewalks, street and pedestrian lighting, landscaping and irrigation, site furnishings, and shade structures. <b>Size: 1 mile; Cost: \$390,673; Role: Project Principal</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	<b>Buckeye Roosevelt Improvement District, Buckeye, AZ</b>	<b>2015</b>	<b>2016</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project involves infrastructure improvements including comprehensive drainage analysis of two square mile area located south of I-10, existing and proposed roadways, and proposed waterlines and sanitary sewer lines. <b>Size: 3 miles; Cost: \$1M; Role: Senior Project Manager</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	<b>Beardsley Road Channel Improvements, Peoria, AZ.</b>		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ongoing. Perform alternative analysis and final design services for an existing channel along the south side of Beardsley Rd between Lake Pleasant Rd and 111th Ave. <b>Size: 1 mile channel; Cost: \$180K; Role: Project Manager</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	<b>BIA IDIQ A&amp;E Services, Navajo Nation, Arizona, New Mexico and Utah</b>	<b>2014</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Ongoing - 2019 (projected construction completion).</b> Includes preliminary engineering, location surveying related to the design of roads, bridges, and/or other transportation facilities along with production of site maps, soil and materials surveys, geotechnical explorations, engineering reports, and preparation of complete PS&E in accordance with applicable standards including those from BIA, FHWA, and AASHTO. <b>Size: Navajo Nation; Cost: \$7.5M; Role: Project Engineer</b>	<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>John Catt, PE</b>	b. ROLE IN THIS CONTRACT <b>Civil Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>12</b>	2. WITH CURRENT FIRM <b>11</b>

d. LOCATION *(City and State)* **Mesa, AZ**

e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> <b>BS, Civil Engineering</b>	f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ PE #57420 – Civil</b>
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g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)* **Organizations:** American Society of Civil Engineers, Aircraft Owners and Pilots Association, Experimental Aircraft Association, Arizona Airports Association, American Indian Chamber

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>Roosevelt Row</b> , Phoenix, AZ	<b>2015</b>	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>Ongoing. Phase 1 Completed (01/2015) – Phase 2 (Projected completion 02/2016).</b> This project consists of narrowing Roosevelt Street from Central Avenue to 4th Street, which accommodates to make room for wider sidewalks, street and pedestrian lighting, landscaping and irrigation, site furnishings, and shade structures. <b>Size:</b> 1 mile; <b>Cost:</b> \$390,673; <b>Role:</b> Project Engineer	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	<b>Gilbert Road Phase 3 Improvements CM</b> , Chandler, AZ	<b>2014</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided CM, roadway/drainage design, ADA ramp design, surveying, ROW descriptions, utility coordination, and federal compliance services for this Federally funded project. <b>Size:</b> 1.5 miles; <b>Cost:</b> \$770K; <b>Role:</b> Project Engineer	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	<b>Buckeye Roosevelt Improvement District</b> , Buckeye, AZ	<b>2015</b>	<b>2016</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This project involves infrastructure improvements including comprehensive drainage analysis of two square mile area located south of I-10, existing and proposed roadways, and proposed waterlines and sanitary sewer lines. <b>Size:</b> 3 miles; <b>Cost:</b> \$1M; <b>Role:</b> Project Engineer	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	<b>City of Phoenix On-Call Plan Review</b> , Phoenix, AZ		
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>Ongoing.</b> Provide examination and review of private residential/commercial development plans for grading/drainage, storm drain, concrete, and street paving construction plans; compliance with building and local codes, ordinances, and standards. <b>Size:</b> N/A; <b>Cost:</b> \$500K; <b>Role:</b> Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	<b>BIA IDIQ A&amp;E Services, Navajo Nation</b> , Arizona, New Mexico and Utah	<b>2014</b>	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>Ongoing - 2019 (projected construction completion).</b> Includes preliminary engineering, location surveying related to the design of roads, bridges, and/or other transportation facilities along with production of site maps, soil and materials surveys, geotechnical explorations, engineering reports, and preparation of complete PS&E in accordance with applicable standards including those from BIA, FHWA, and AASHTO. <b>Size:</b> Navajo Nation; <b>Cost:</b> \$7.5M; <b>Role:</b> Project Engineer	<input checked="" type="checkbox"/>	Check if project performed with current firm



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**Phoenix, Arizona 85007**

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

a. NAME <b>Steve Lewis, PE</b>	b. ROLE IN THIS CONTRACT <b>Utilities/Sanitary Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>21</b>	2. WITH CURRENT FIRM <b>11</b>

d. LOCATION (City and State) **Phoenix, AZ**

e. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Civil Engineering</b>	f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ PE #34589, NM PE #22127 - Civil</b>
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g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) **Organizations:** American Society of Civil Engineers, American Public Works Association, American Council of Engineering Companies, American Indian Chamber of

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>Gilbert Road Phase 3 Improvements CM, Chandler, AZ</b>	<b>2014</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided CM, roadway/drainage design, ADA ramp design, surveying, ROW descriptions, utility coordination, and federal compliance services for this Federally funded project. <b>Size: 1.5 miles; Cost: \$770K; Role: QA/QC</b>	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	<b>Buckeye Roosevelt Improvement District, Buckeye, AZ</b>	<b>2015</b>	<b>2016</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project involves infrastructure improvements including comprehensive drainage analysis of two square mile area located south of I-10, existing and proposed roadways, and proposed waterlines and sanitary sewer lines. <b>Size: 3 miles; Cost: \$1M; Role: Senior Project Engineer</b>	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	<b>City of Phoenix On-Call Plan Review, Phoenix, AZ</b>	<b>2015</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provide examination and review of private residential/ commercial development plans for grading/drainage, storm drain, concrete, and street paving construction plans; compliance with building and local codes, ordinances, and standards. <b>Size: N/A; Cost: \$500K; Role: Senior Project Manager</b>	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	<b>Joint Municipal Utilities Maintenance and Police Storage Facility On-Call, Chandler, AZ</b>	<b>2014</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The City of Chandler Municipal Utilities Department (MUD) operates the Pecos Water Treatment Plant within the City of Chandler. Provided field survey, data collection, utility coordination, water service design, sanitary service design, grading & drainage, paving, geotechnical and subsurface utility exploration services. <b>Size: 8,000 square foot MUD facility and a 3,500 square foot PD facility; Cost: \$131,591; Role: Project Manager</b>	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	<b>BIA IDIQ A&amp;E Services, Navajo Nation, Arizona, New Mexico and Utah</b>	<b>2014</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Ongoing - 2019 (projected construction completion).</b> Includes preliminary engineering, location surveying related to the design of roads, bridges, and/or other transportation facilities along with production of site maps, soil and materials surveys, geotechnical explorations, engineering reports, and preparation of complete PS&E in accordance with applicable standards including those from BIA, FHWA, and AASHTO. <b>Size: Navajo Nation; Cost: \$7.5M; Role: Senior Project Manager</b>	<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>Raj Shah, PE</b>	b. ROLE IN THIS CONTRACT <b>Drainage Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>26</b>	2. WITH CURRENT FIRM <b>13</b>
d. LOCATION (City and State) <b>Phoenix, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Civil Engineering</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ PE #27556 - Civil</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) <b>Organizations:</b> American Public Works Association, American Council of Engineering Companies, American Indian Chamber of Commerce			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>Roosevelt Row, Phoenix, AZ</b>	<b>2015</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Ongoing. Phase 1 Completed (01/2015) – Phase 2 (Projected completion 02/2016).</b> This project consists of narrowing Roosevelt Street from Central Avenue to 4th Street, which accommodates to make room for wider sidewalks, street and pedestrian lighting, landscaping and irrigation, site furnishings, and shade structures. <b>Size: 1 mile; Cost: \$390,673; Role: Project Manager</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	<b>Buckeye Roosevelt Improvement District, Buckeye, AZ</b>	<b>2015</b>	<b>2016</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project involves infrastructure improvements including comprehensive drainage analysis of two square mile area located south of I-10, existing and proposed roadways, and proposed waterlines and sanitary sewer lines. <b>Size: 3 miles; Cost: \$1M; Role: Drainage Engineer</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	<b>Beardsley Road Channel Improvements, Peoria, AZ</b>		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ongoing. Perform alternative analysis and final design services for an existing channel along the south side of Beardsley Rd between Lake Pleasant Rd and 111th Ave. <b>Size: 1 mile channel; Cost: \$180K; Role: Project Manager</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	<b>Joint Municipal Utilities Maintenance and Police Storage Facility On-Call, Chandler, AZ.</b>	<b>2014</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The City of Chandler Municipal Utilities Department (MUD) operates the Pecos Water Treatment Plant within the City of Chandler. Provided field survey, data collection, utility coordination, water service design, sanitary service design, grading & drainage, paving, geotechnical and subsurface utility exploration services. <b>Size: 8,000 square foot MUD facility and a 3,500 square foot PD facility; Cost: \$131,591 Role: Drainage Engineer.</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	<b>Arizona City Flood Mitigation Design, Pinal County Flood Control District.</b>	<b>2014</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The purpose of the project was to provide storage and a drainage conveyance system to alleviate flooding at Arizona City. This project included channelization, spillways, box culverts and a large storage basin. <b>Size: 2 miles of open channel and 40-acre detention basin; Cost: \$180K; Role: Project Manager</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm



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**Phoenix, Arizona 85007**

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

a. NAME <b>Patrick Wolf, PE, CFM</b>	b. ROLE IN THIS CONTRACT <b>Hydraulic/Hydrologist</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>22</b>	2. WITH CURRENT FIRM <b>3</b>
d. LOCATION <i>(City and State)</i> <b>Phoenix, AZ</b>			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> <b>BS, Civil and Environmental Engineering</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ PE #34024 - Civil Eng; #US-08-03381 – Certified Floodplain Manager; US 2008 – Certified Project Manager</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> <b>Organizations:</b> AFMA Member, American Council of Engineering Companies, American Indian Chamber of Commerce			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Gilbert Road Phase 3 Improvements CM, Chandler, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>2015</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided CM, roadway/drainage design, ADA ramp design, surveying, ROW descriptions, utility coordination, and federal compliance services for this Federally funded project. <b>Size:</b> 1.5 miles <b>Cost:</b> \$770K; <b>Role:</b> Drainage Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Buckeye Roosevelt Improvement District, Buckeye, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2015</b>	Construction (if applicable) <b>2016</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This project involves infrastructure improvements including comprehensive drainage analysis of two square mile area located south of I-10, existing and proposed roadways, and proposed waterlines and sanitary sewer lines. <b>Size:</b> 3 miles; <b>Cost:</b> \$1M; <b>Role:</b> Senior Water Resource Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Goodyear Boulevard Improvements, Goodyear, AZ</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>Ongoing Phase 2 (Phase 1 completed).</b> Provided final design services for drainage and roadway improvements on Goodyear Boulevard. The project included roadway drainage, channels, storage basins, irrigation line relocations, and utility relocations. The project had a compressed schedule so that construction would be completed before the beginning of the school year. <b>Size:</b> ½ mile; <b>Cost:</b> \$351K; <b>Role:</b> Drainage Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Beardsley Road Channel Improvements, Peoria, AZ</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Ongoing. Perform alternative analysis and final design services for improvement to an existing channel along the south side of Beardsley Road between Lake Pleasant Rd and 111th Ave. <b>Size:</b> 1 mile channel; <b>Cost:</b> \$180K; <b>Role:</b> Senior Water Resource Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Arizona City Flood Mitigation Design, Pinal County Flood Control District, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>2015</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The purpose of the project was to provide storage and a drainage conveyance system to alleviate flooding at Arizona City. This project included channelization, spillways, box culverts and a large storage basin. <b>Size:</b> 2 miles of open channel and 40-acre detention basin; <b>Cost:</b> \$180K; <b>Role:</b> Drainage Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	



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**ADSP016-00005912**

**STATE PROCUREMENT OFFICE**  
**Department of Administration**  
**100 North 15<sup>th</sup> Avenue, Suite 201**  
**Phoenix, Arizona 85007**

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

a. NAME <b>Keith Drunasky, PE</b>	b. ROLE IN THIS CONTRACT <b>Civil Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>15</b>	2. WITH CURRENT FIRM <b>11</b>
d. LOCATION (City and State) <b>Phoenix, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Civil Engineering</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ PE #49794 - Civil Eng</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) <b>Organizations:</b> American Society of Civil Engineers, Arizona Council of Engineering Companies, National Society of Professional Engineers, AZBTR Enforcement Advisory Committee,			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Gilbert Road Phase 3 Improvements CM, Chandler, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided CM, roadway/drainage design, ADA ramp design, surveying, ROW descriptions, utility coordination, and federal compliance services for this Federally funded project. <b>Size:</b> 1.5 miles; <b>Cost:</b> \$770K; <b>Role:</b> Project Manager	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) <b>Roosevelt Row, Phoenix, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2015</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Ongoing. Phase 1 Completed (01/2015) – Phase 2 (Projected completion 02/2016).</b> This project consists of narrowing Roosevelt Street from Central Avenue to 4th Street, which accommodates to make room for wider sidewalks, street and pedestrian lighting, landscaping and irrigation, site furnishings, and shade structures. <b>Size:</b> 1 mile; <b>Cost:</b> \$390,673; <b>Role:</b> Project Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) <b>Arizona State Veterans Memorial Cemetery, Marana, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Completed special structural inspections. Provide a thorough bid documents review prior to inspections. Also provided detailed inspection reports, photographic documentation and engineering support for the ADVS. <b>Size:</b> 35 acres ; <b>Cost:</b> \$101,016; <b>Role:</b> Senior Project Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) <b>Buckeye Roosevelt Improvement District, Buckeye, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2015</b>	Construction (if applicable) <b>2016</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project involves infrastructure improvements including comprehensive drainage analysis of two square mile area located south of I-10, existing and proposed roadways, and proposed waterlines and sanitary sewer lines. <b>Size:</b> 3 miles; <b>Cost:</b> \$1M; <b>Role:</b> Utility/Project Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) <b>Arizona City Flood Mitigation Design, Pinal County Flood Control District, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The purpose of the project was to provide storage and a drainage conveyance system to alleviate flooding at Arizona City. This project included channelization, spillways, box culverts and a large storage basin. <b>Size:</b> 2 miles of open channel and 40-acre detention basin; <b>Cost:</b> \$180K; <b>Role:</b> Drainage Engineer	<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>Casey Ambrose, PE</b>	b. ROLE IN THIS CONTRACT <b>Constructability Reviewer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>11</b>	2. WITH CURRENT FIRM <b>&lt;1</b>

d. LOCATION (City and State) **Phoenix, AZ**

e. EDUCATION (DEGREE AND SPECIALIZATION)  
**BS, Civil Engineering**

f. PROFESSIONAL TRAINING - REGISTRATIONS  
**AZ PE #50624 - Civil**

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) **Organizations:** American Council of Engineering Companies, American Indian Chamber of Commerce

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>FMI-Sierrita B4 Stacker Replacement</b> , Green Valley, AZ	<b>2015</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The contractor was required to review and asses the method in which the existing B4 stacker would be able to remain in operation, while the new one was constructed the project consisted a ten day window in which the switch from existing to new would occur. <b>Size:</b> N/A; <b>Cost:</b> \$4.5M; <b>Role:</b> Project Engineer/Project Manager	<input type="checkbox"/>	Check if project performed with current firm
2.	<b>ASARCO Mission-Grizzly Repairs at the Primary Crusher</b> , Hayden, AZ	<b>2014</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided constructability review services for the replacement of the east and west grizzlies located in the primary crusher. The existing grizzlies and all the wear liners in the primary crusher were to be replaced. <b>Size:</b> N/A ; <b>Cost:</b> \$375K; <b>Role:</b> Project Engineer/Project Manager	<input type="checkbox"/>	Check if project performed with current firm
3.	<b>FMI Sierrita- Tank House Repairs</b> , Green Valley, AZ	<b>2015</b>	<b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The contractor was to evaluate the repairs required to bring the existing tank house back in compliance with MSHA standards. The existing concrete tanks had been corroded away and were creating hazardous conditions to employees working around them. . <b>Size:</b> N/A; <b>Cost:</b> \$475K; <b>Role:</b> Project Engineer/Project Manager	<input type="checkbox"/>	Check if project performed with current firm
4.	<b>FMI Sierrita – Scavenger Boxes</b> , Green Valley, AZ	<b>2015</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The contractor was to evaluate the constructability of removing and replacing two existing scavenger boxes. One box had to remain in operation at all times. The area where the existing boxes were located had minimal room for a work area and staging equipment. <b>Size:</b> N/A; <b>Cost:</b> estimated at \$500K; <b>Role:</b> Project Engineer/Project Manager	<input type="checkbox"/>	Check if project performed with current firm
5.	<b>Buckeye Roosevelt Improvement District</b> , Buckeye, AZ	<b>2015</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ongoing. This project involves infrastructure improvements including comprehensive drainage analysis of two square mile area located south of I-10, existing and proposed roadways, and proposed waterlines and sanitary sewer lines. <b>Size:</b> 3 miles; <b>Cost:</b> \$1M; <b>Role:</b> Project Engineer	<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>Troy Ray, RLS</b>	b. ROLE IN THIS CONTRACT <b>Survey Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>26</b>	2. WITH CURRENT FIRM <b>7</b>

d. LOCATION (City and State) **Phoenix, AZ**

e. EDUCATION (DEGREE AND SPECIALIZATION) <b>BS, Civil Engineering</b>	f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ RLS #33868, NM RLS #22094, NV #15346, ID #11338, OH #7918 – Registered Land Surveyor</b>
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g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) **Organizations:** Arizona Professional Land Surveyors, American Council of Engineering Companies, American Indian Chamber of Commerce

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Arizona Department of Emergency Military Affairs (DEMA) ALTA Survey, Various, AZ (Maricopa, Pima, Cochise, Santa Cruz Counties)</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided field and office survey services, including management and oversight of sub consultants and vendors. Phase I Environmental Site Assessments and appraisal (valuation) services for twenty-six parcels. <b>Size:</b> 26 Parcels; <b>Cost:</b> \$236K; <b>Role:</b> Survey Manager	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) <b>Gilbert Road Phase 3 Improvements CM, Chandler, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided CM, roadway/drainage design, ADA ramp design, surveying, ROW descriptions, utility coordination, and federal compliance services for this Federally funded project. <b>Size:</b> 1.5 miles; <b>Cost:</b> \$735K; <b>Role:</b> Survey Manager	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) <b>Roosevelt Row, Phoenix, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2015</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Ongoing. Phase 1 Completed (01/2015) – Phase 2 (Projected completion 02/2016).</b> This project consists of narrowing Roosevelt Street from Central Avenue to 4th Street, which accommodates to make room for wider sidewalks, street and pedestrian lighting, landscaping and irrigation, site furnishings, and shade structures. <b>Size:</b> 1 mile; <b>Cost:</b> \$390,673; <b>Role:</b> Project Surveyor	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) <b>Buckeye Roosevelt Improvement District, Buckeye, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2015</b>	Construction (if applicable) <b>2016</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project involves infrastructure improvements including comprehensive drainage analysis of two square mile area located south of I-10, existing and proposed roadways, and proposed waterlines and sanitary sewer lines. <b>Size:</b> 3 miles; <b>Cost:</b> \$1M; <b>Role:</b> Survey Manager	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) <b>Beardsley Road Channel Improvements, Peoria, AZ</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ongoing. Perform alternative analysis and final design services for improvement to an existing channel along the south side of Beardsley Road between Lake Pleasant Rd and 111th Ave. <b>Size:</b> 1 mile channel; <b>Cost:</b> \$180K; <b>Role:</b> Survey Manager	<input checked="" 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>VETERAN'S MEMORIAL CEMETERY</b> <b>MARANA, AZ</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2015</b>	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER <b>Arizona Department of Veterans' Services</b>	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT <b>Original   \$64,901</b>	e. TOTAL COST OF PROJECT <b>\$101,016   complete   under budget</b> <b>AMENDMENT HISTORY:</b> Amend 1 – add'l inspection \$28,153; Amend 2 – add'l inspection \$7,962
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

**Scope:** RPA performed special structural inspection. Our inspectors provided a thorough review of the bid documents prior to inspection and attended the preconstruction and construction progress meetings. For the building construction, we performed on-site inspections of building foundations, masonry, structural steel, and welding. For the site work, we performed on-site inspections for grading and drainage, water and sewer utilities, and roadway paving. RPA also prepared detailed inspection reports, provided photographic documentation, and provided engineering support for the ADVS.

**Size:** 14,000 new full casket burial plots, 7,000 in-ground cremation sites, and a 10,000-niche columbarium along with administration and maintenance buildings

**Length:** 10/2014 – 12/2015

**Relevancies:** special inspection, storm drainage modifications, a founder's plaza, three committal shelters, an assembly area, a new entry road and gate, a public information center, expansion of the existing maintenance building, expansion of the internal road system, new utilities, signage, native plantings, and irrigation.





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

a. TITLE AND LOCATION (City and State) <b>ROOSEVELT ROW, PHOENIX, AZ</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER <b>City of Phoenix</b>	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Original   \$307,715.27  (Ph.1) \$235,459.36; (Ph. 2) \$36,588.61; (Post Design) \$35,667.30	e. TOTAL COST OF PROJECT \$390,672.63   90% complete   on budget  <b>AMENDMENT HISTORY:</b> (Ph.1) Amend 1 – add'l scope \$36,820.79; Amend 2 – add'l scope \$46,136.57
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

**Scope:** Ongoing (TBD 4/2016) RPA provided civil engineering design, survey, ROW, to complete streetscape / pedestrian improvements for Roosevelt Street from Central to 7th Street. Utility improvements included water main replacement / extension, and sewer main construction. **ACEC 2015 ENGINEERING EXCELLENCE GRAND AWARD WINNER.**

**Size:** 1 mile

**Length:** 6/2013 to 4/2016

**Relevancies:** project management, adjacent development coordination, urban streetscape civil design, signage and wayfinding, pedestrian amenities, ADA compliance, bike lanes, APS coordination, specialized street lighting, specialized pedestrian lighting, storm drainage, utility installation and relocation





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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>GILBERT ROAD PHASE 3 IMPROVEMENTS CM, Chandler, AZ</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2015

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER <b>City of Chandler</b>	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Original   \$770,000	e. TOTAL COST OF PROJECT \$770,000   99% complete   on budget
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(include scope, size, and length of project)*

**Scope:** RPA completed CM and CA services for the City's federally funded Gilbert Rd Phase 3 improvements project. Project improvements included widening the roadway to create two through lanes in each direction with raised median and ADA improvements. *This project exactly demonstrates RPA's ability to provide CM services including federal funding compliance for an arterial widening project in south Chandler.*

**Size:** 1.5 mile

**Length:** 9/2014 – 12/2015

**Relevancies:** weekly construction meetings, agendas, and minutes, contractor CPM schedule, public outreach coordination, monthly pay applications, review shop drawings and Request for Information (RFIs), field directives, extra work requests and proposals, utility company coordination to perform relocations, daily field inspections





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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	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<b>BUCKEYE DISTRICT ENGINEERING SERVICES, Buckeye, AZ</b>		

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
<b>City of Buckeye</b>	Original   \$1M	\$1M   30% complete   on budget

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

**Scope: Ongoing (TBD 2016).** This project involves infrastructure improvements including comprehensive drainage analysis of two square mile area located south of I-10, existing and proposed roadways, and proposed waterlines and sanitary sewer lines. The comprehensive drainage analysis includes hydrologic and hydraulic analysis and detailed design of all required drainage facilities to meet the City's offsite and roadway design requirements. The design includes a comprehensive evaluation of the drainage flows over an area approximately three miles in width and length. The project requires extensive coordination with stakeholders. As part of this project, our team members are partnering with the development community; City of Buckeye staff; Financial Bond Counsel; utility companies; District, as well as the Arizona Department of Transportation. The project is progressing on schedule.



**Size:** 2 sq. mile area; 3 miles of roadway; 7,750 ft. of waterline; 10,490 ft. of sewer line

**Length:** 6/2015 – 2016

**Relevancies:** roadways, waterlines, sewer lines, drainage, survey, right-of-way, utility coordination



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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>ALTA Survey &amp; Phase I Environmental Assessment</b> (eight different project areas throughout the state including five in Maricopa County, and one each in Pima, Santa Cruz and Cochise County, AZ)	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2014	

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
Arizona Department of Emergency Military Affairs	Original   \$236,341	\$236,341   completed   under budget

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

**Scope: Ongoing.** RPA was selected to provide field and office survey services related to ALTA Surveys, as, well as, management and oversight of sub consultants and vendors providing ALTA survey related services, Phase I Environmental Site Assessments and appraisal (valuation) services for 26 parcels grouped in eight different project areas throughout the state including five in Maricopa County, and one each in Pima, Santa Cruz and Cochise County. Project challenges included coordination of aerial mapping tasks and related ground survey support for remote locations during extended periods of poor weather conditions. Other issues included data acquisition from a variety of sources such as federal (GLO) State (State Land Department) and local (municipal) agencies and scheduling resources over the duration of a compressed schedule. Extensive coordination with all stake holders including client, property owners and their representatives was performed throughout the duration of this task.

**Size:** 26 parcels

**Length:** 8 months

**Relevancies:** comprehensive surveying services, multiple locations, agency coordination, project through ADOA, subconsultant management





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**6. ADDITIONAL INFORMATION**

a. PROVIDE ANY ADDITIONAL INFORMATION YOU FEEL MAY BE NECESSARY TO DESCRIBE YOUR FIRMS QUALIFICATIONS. (ATTACH ADDITIONAL SHEETS AS NEEDED.) *Below is a list of RPA's Arizona Registered personnel. See attached for additional information.*

	RPA PERSONNEL	CURRENT ARIZONA LICENSES
<b>PROJECT TEAM</b>	Karl Obergh, PE	AZ PE #34008
	Pete Hemingway, PE	AZ PE #23232
	Frank Henderson, PE	AZ PE #28940
	John Berghian, PE, SE, RA	AZ PE #24332   SE #20398   RA #24633
	John Catt, PE	AZ PE #57420
	Steve Lewis, PE	AZ PE #34589
	Raj Shah, PE	AZ PE #27556
	Patrick Wolf, PE, CFM	AZ PE #34024
	Keith Drunasky, PE	AZ PE #49794
	Casey Ambrose, PE	AZ PE #50624
	Troy Ray, PLS	AZ PLS #33868
	Alex Gonzalez, PE	AZ PE #53511
Jose Montoya, PE	AZ PE #24420	
Ryan Circello, PE	AZ PE #58569	
Travis Buros, PE	AZ PE #48598	
Colin Griffith, EIT	AZ EIT #11624	
Greg Vidal, EIT	AZ EIT #12033	
Shane Johannsen, EIT	AZ EIT #11508   PE Pending	
Alex Krieg	AZ EIT Pending	
Jim Crume, PLS, MS, CFedS	AZ PLS #19817	
Joe Falinski, PLS	AZ PLS #31591	
Mark Sandwick, PLS	AZ PLS #57280	

**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:	<b>80%</b>
b.	Percentage of Total Work Attributable to Non-Government Work:	<b>20%</b>

**8. AUTHORIZED REPRESENTATIVE. The foregoing is a statement of facts.**

Signature: \_\_\_\_\_

Date: December 21, 2015

Name: Karl Obergh, PE

Title: President and CEO