



# Offer and Acceptance

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

SOLICITATION NO.: ADSPO16-00005912 Request  
for Qualifications: 2016 Annual Professional  
Services List

PAGE  
1

Offeror: Bowman Consulting

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.

Bowman Consulting

Company Name

1295 W. Washington St. #108

Address

Tempe Arizona 85281

City State Zip

tpeterson@bowmanconsulting.com

Contact Email Address

Signature of Person Authorized to Sign Offer

Troy Peterson

Printed Name

Principal

Title

Phone: 480-559-8355

Fax: 480-629-8841

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/ X 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. ADSPO16-00005912

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 20<sup>th</sup> day of February 20 16

Procurement Officer



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
ADSP016-00005912

STATE PROCUREMENT OFFICE  
Department of Administration  
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Phoenix, Arizona 85007

**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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ADSP016-00005912

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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.



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ADSP016-00005912

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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 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  | 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 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:	Bowman Consulting Group, Ltd.
b. FIRM (OR BRANCH OFFICE) STREET:	1295 W. Washington Street, Suite 108
c. FIRM (OR BRANCH OFFICE) CITY:	Tempe
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85281
f. YEAR ESTABLISHED:	1995
(g1). OWNERSHIP - TYPE:	S Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	NA
h. POINT OF CONTACT NAME AND TITLE:	Troy Peterson, Principal
i. POINT OF CONTACT TELEPHONE NUMBER:	(480) 559-8355
j. POINT OF CONTACT E-MAIL ADDRESS:	tpeterson@bowmancg.com
k. NAME OF FIRM (If block 1a is a branch office):	Bowman Consulting Group, Ltd.





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ADSP016-00005912

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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 (see below)
117	Housing (Residential, Multi-Family; Apartments; Condominiums)	7
3	Hotels; Motels	2
7	Hospital and Medical Facilities	3
4	Community Facilities	2
7	Commercial Building (Low Rise); Shopping Centers	4
19	Codes; Standards; Ordinances	1
8	Construction Management	2
9	Highways; Streets; Airfield Paving; Parking Lots	4
7	Educational Facilities; Classrooms	3
21	Zoning; Land Use Studies	1
12	Construction Surveying	2
5	Cost Estimating; Cost Engineering & Analysis	1
5	Recreation Facilities (Parks)	1
163	Land Surveying	4
28	Mining & Mineralogy	6
6	Office Buildings; Industrial Parks	3
55	Infrastructure	6
62	Surveying; Platting; Mapping; Flood Plain Studies	3

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               |



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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 Peterson</b>	b. ROLE IN THIS CONTRACT <b>Project Principal</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>24</b>	2. WITH CURRENT FIRM <b>5</b>

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

e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> <b>B.S. Civil Engineering from, ASU</b>	f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZPE # 32334</b>
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g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*  
**American Society of Civil Engineers; Board Member of the City of Mesa Transportation Advisory Board; East Valley Partnership Transportation Committee and East Valley Partnership Economic Development Committee**

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>City of Mesa, 6<sup>th</sup> Drive Water, Sewer and Gas Replacement Mesa, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2010</b>	Construction (if applicable) <b>2011</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>Provided QA/QC for civil engineering design for water, sewer and gas main replacement for the City of Mesa. The project consisted of approximately 1,300 linear feet of 8-inch sewer and 2.5-inch gas line in 6<sup>th</sup> Drive between Country Club Drive and Date. This project was challenging due to existing below standard slope. Provided sewer analysis to determine the most desirable sewer solution/ modification to improve flow characteristics.</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>City of Phoenix Sanitary Sewer Relief and Replacement Program ; Phoenix, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2010</b>	Construction (if applicable) <b>2013</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>Provided QA/QC for design services under the City's Sanitary Sewer Relief Program for Projects 2 and 6. Work under the contract included design and preparation of construction drawings, to provide additional capacity at locations where existing sewers are projected to be at or near full capacity for 2010 peak flows. Our team provided design services to parallel sewers, larger replacement sewers, or redirection of flows to nearby existing sewers with excess capacity, along with required base maps, utility coordination, and cost estimating. Sizes ranged from 8-24 inches, at a few hundred feet to several thousand feet. The program was vital to sustaining the operational integrity of the City's sewer system.</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Nogales Border Indoor Firing Range Nogales, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2011</b>	Construction (if applicable) <b>2013</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>Project Manager for surveying, civil engineering design, construction staking, and construction administration services for a new indoor firing range at the U.S. Border Patrol station in Nogales, Arizona. Bowman was contracted with ABBA Electric through the U.S. Army Corps of Engineers. The installation of the new modular indoor firing range included re-grading of the site, a restroom building with water and sewer line extensions, and an expansion and repaving of the existing parking lot. The new indoor firing range will allow the Border Patrol officers to complete training programs using virtual reality applications in a weather controlled environment.</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>FedEx Distribution Center Chandler, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable) <b>2014</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>Serving as the Project Manager for the preliminary phase of the project. The project site, located on Queen Creek Road just east of Gilbert Road in Chandler, Arizona, consists of approximately 48 acres with proposed buildings totaling over 300,000 square feet. The scope of services include due diligence studies for zoning verification, utility availability, required roadway improvements, and cost estimates, preparation of preliminary site, grading and utility plans, and coordination of proposed improvements with city staff , owner, adjacent developers and other design professionals.</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Bumstead Office Building Unincorporated Maricopa County, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2013</b>	Construction (if applicable) <b>2013</b>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <b>Served as the project manager providing surveying and engineering design services for a gas storage maintenance building, including water system analysis and septic system design.</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm

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

a. NAME <b>Jeff Rybarczyk, PE</b>	b. ROLE IN THIS CONTRACT <b>Project Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>29</b>	2. WITH CURRENT FIRM <b>2</b>
d. LOCATION (City and State) <b>Bowman Consulting, 1295 W Washington Street, Suite 108, Tempe, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>B.S. Civil Engineering from University of Maryland</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZPE #28117</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>FedEx Distribution Center Chandler, Arizona</b>	(2) YEAR COMPLETED
		Professional Services <b>2014</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Serving as the Project Manager for the preliminary phase of the project. The project site, located on Queen Creek Road just east of Gilbert Road in Chandler, Arizona, consists of approximately 48 acres with proposed buildings totaling over 300,000 square feet. The scope of services include due diligence studies for zoning verification, utility availability, required roadway improvements, and cost estimates, preparation of preliminary site, grading and utility plans, and coordination of proposed improvements with city staff, owner, adjacent developers and other design professionals.</b>	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>City Gate Gilbert, Arizona</b>	(2) YEAR COMPLETED
		Professional Services <b>Ongoing</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Serving as the Project Manager for approximately 67 acres of land located at the southeast corner of Baseline Road and Higley Road in Gilbert, Arizona. The scope of services include preparation of rezoning plans, exhibits and reports which included drainage report, water report and wastewater reports. Project also encompassed the preliminary plat, design review and final plat process for the entire project as well as the 20 newly created parcels within the site.</b>	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>La Jara Farms II Queen Creek, Arizona</b>	(2) YEAR COMPLETED
		Professional Services <b>Ongoing</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Serving as the Project Manager for the rezoning of 83 lots on approximately 77 acres of land located at the southwest corner of Germann Road and Hawes Road in Queen Creek, Arizona. The scope of services include preparation of rezoning plans, exhibits and reports which included drainage report, water report and wastewater report, preparation and coordination of PAD submittal package, and preparation of preliminary grading and retention plans and calculations. Coordinate submittal with attorneys, planners and other design professionals.</b>	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>Desert Foothills Estates Bullhead City, Arizona</b>	(2) YEAR COMPLETED
		Professional Services <b>2007</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Served as the project manager for planning and civil engineering improvement plans for a 640 acre master planned community located at Bullhead Parkway and Desert Foothills Drive in Bullhead City, Arizona. Site consisted of a section of land which was subdivided into 14 large parcels with associated roadway, drainage, and utility infrastructure improvement plans. Site was subject to large off site flows as well as numerous Army Corps of Engineers jurisdictional waterways. The 14 large parcels were then individually planned and subdivided according to buyer's directive. Finished parcels included single family lot products of varying sizes, zero lot line products, apartment homes, an RV storage facility and a fueling station and convenience store. Plan preparation included conceptual plans, preliminary plats, site plans, grading plans, roadway improvement plans, water and sewer plans, HOA exhibits and final plats. Prepare and submit Arizona Department of Environmental Quality approval to construct applications, witness water and sewer utility testing and prepare results and as built plans for submittal to Arizona Department of Environmental Quality for approval of construction permits. Prepare as built plans for submittal to city, clients and community owner.</b>	<input type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Citadelle Plaza Retail, Office and Entertainment Complex Glendale, Arizona</b>	(2) YEAR COMPLETED
		Professional Services <b>2005</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Served as project manager for the preparation of civil improvement plans for an 8-acre retail, office and entertainment complex located at the northwest corner of 59th Avenue and Utopia Road in Glendale, Arizona. Site consisted of eight buildings with pedestrian areas, grand entrance plaza and underground storm water retention. Design plans included site plan, grading and drainage plan with underground retention, utility plan, Off-site road improvement plan and storm water pollution prevention plan. Coordinate project improvement plans with architect and other professionals.</b>	<input type="checkbox"/> Check if project performed with current firm

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

a. NAME <b>John Gray, PE</b>	b. ROLE IN THIS CONTRACT <b>Project Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>32</b>	2. WITH CURRENT FIRM <b>1</b>
d. LOCATION (City and State) <b>Bowman Consulting, 1295 W. Washington St., Suite 108, Tempe, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>B.S. Civil Engineering from Michigan State University</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZPE #22868</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Alma School &amp; Ray Roads Chandler, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2015</b>	Construction (if applicable) <b>Present</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer for this single family detached product subdivision project that is currently in the initial stages of design. The scope includes rezoning, land planning, full on-site and off-site engineering design, legal descriptions, a final plat and grading, drainage and paving plans for the adjacent church remainder parcel.</b>		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
2.	(1) TITLE AND LOCATION (City and State) <b>Signal Butte Arterial Reconstruction Project Mesa, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2015</b>	Construction (if applicable) <b>Present</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer for civil engineering design services for the City of Mesa Arterial Reconstruction Project. The project scope is comprised of Signal Butte Road from Southern Avenue to Wier Drive. Design services include the design of those areas of pavement reconstruction, concrete repairs, sidewalk ramp modifications and traffic signal indicator modifications. In addition, we provided the City of Mesa an Engineer's Opinion of Probable Construction Cost based on the 90% plans, bidding assistance, and construction administration.</b>		
	<input checked="" type="checkbox"/> Check if project performed with current firm		
3.	(1) TITLE AND LOCATION (City and State) <b>Stanford Drive Roadway Improvements Paradise Valley, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2015-2015</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Served as the Project Manager and lead civil engineer for the one mile project included engineering design with consideration to pedestrian access and traffic safety improvements, undergrounding of existing overhead electrical lines, roadway improvements and frontage landscaping, and construction services including bid assistance, providing daily inspections and interaction with the general contractor, owner and stakeholders. Also included drainage improvements with a new box culverts at the Taward Wash and the Cudia City Wash with permitting through the Maricopa County Flood Control.</b>		
	<input type="checkbox"/> Check if project performed with current firm		
4.	(1) TITLE AND LOCATION (City and State) <b>SR-303L, US 60 to Happy Valley Parkway Design Build AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014-2015</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Served as Project engineer for drainage of the four mile conversion of this segment of the SR303 to an access controlled freeway. The hydrologic analysis indented and evaluated solutions relating to stormwater management of watershed areas that either impact or are impacted by the roadway improvements. The hydrologic models developed used the U.S. Army Corps of Engineers' HEC-1 flood hydrograph package and in accordance with ADOT's Hydrology Manual.</b>		
	<input type="checkbox"/> Check if project performed with current firm		
5.	(1) TITLE AND LOCATION (City and State) <b>Mesa Main St. Bus Rapid transit and AZ Ave./ Country Club BRT Mesa, Chandler and Gilbert, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2008-2011</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Mr. Gray served as a project manager for these Valley Metro projects. The scope of work included DCR documentation, a public involvement plan, shelter and amenities design, right of way acquisition assistance, signal prioritization, dynamic message signs and ITS systems and a NEPA categorical exclusion application, VSS funding applications, public artist involvement, Bid Services and Construction Services.. These projects each had public artist involvement. Permitting was completed through Mesa, Chandler and Gilbert. Construction Documents included architectural, civil, electrical, structural plans, landscape and cost estimates</b>		
	<input type="checkbox"/> Check if project performed with current firm		

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

a. NAME <b>Alyssa Paulus, PE</b>	b. ROLE IN THIS CONTRACT <b>Project Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>6</b>	2. WITH CURRENT FIRM <b>2</b>
d. LOCATION (City and State) <b>Bowman Consulting, 1295 W. Washington St., Suite 108, Tempe, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>B.S. Civil Engineering from Arizona State University</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZPE #58513</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Queen Creek Station Queen Creek, AZ</b>	(2) YEAR COMPLETED	Professional Services <b>2014</b>	Construction (if applicable) <b>Present</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer for site grading, drainage, and retention for the 1,139-acre, 677-lot single family residential subdivision. Responsible for preparing technical reports and hydraulic models for drainage, water and wastewater systems. The scope of services include construction drawings: including in-depth grading and drainage studies and calculations, drainage report, mass grading plan, lift station, paving, water, sewer, final plat, Engineer of Record services and pre-construction management. CD's also include an overall project storm water pollution prevention plan and master plan. Off-site improvements include half street improvements to Ellsworth Road including paving, utilities, curb and gutter, sidewalk and landscaping.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) <b>Southwest Gas Valley District On-Call Engineering</b>	(2) YEAR COMPLETED	Professional Services <b>Ongoing</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer for the design of new gas distribution systems, gas line replacement, and abandonment on an as-needed basis for Casa Grande and surrounding communities in Pinal, Maricopa, and Gila County. Designs include service to Maricopa Station commercial development in the City of Maricopa, residential distribution services for Robson Ranch Subdivision in Pinal County, and the gas main abandonment and replacement of over 6,000 feet of gas main and 140 residential services in Gila County.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) <b>Layton Lakes Master Planned Community Chandler, AZ</b>	(2) YEAR COMPLETED	Professional Services <b>Present</b>	Construction (if applicable) <b>Present</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Serving as the Project Engineer for the 832-acre Master Planned Community. Responsible for the drainage design, technical reports, water and sewer analysis throughout the project site including hydraulic models and calculations. Coordinated with the City of Chandler, Flood Control District of Maricopa County (FCDMC) and Roosevelt Water Conservation District (RWCD) for various aspects of design. Assisted with the hydraulic analysis and preparation of a Conditional Letter of Map Revision (CLOMR) to remove lots from the floodplain. The scope of services include complete subdivision construction plans including; extensive grading and drainage analysis, drainage calculations, grading and drainage plan, drainage report, Conditional Letter of Map Revision (CLOMR) to remove some of the lots from the floodplain, paving, water and sewer plans.</b>		<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) <b>Young's Farm Ashley County, Arkansas</b>	(2) YEAR COMPLETED	Professional Services <b>2012</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer for the design and technical assistance of over 560 acres of wetland restoration. The project scope included converting abandoned fish ponds into migratory bird and various wildlife habitat. Special consideration was taken to restore historic waterways and drainage patterns as well as providing a manageable moist soil unit system for the systematic flooding and dewatering to promote the growth of wetland vegetation. Responsible for topographic survey; design of moist soil units, sloughs, weirs, and spillways; and construction drawing preparation.</b>		<input type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) <b>M&amp;C Farms Prairie County, Arkansas</b>	(2) YEAR COMPLETED	Professional Services <b>2011</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Provided engineering design and technical assistance to restore over 1,150 acres of farmland into wetlands. Responsible for topographic survey; design of moist soil units, sloughs, channel reshaping, and spillways; construction drawing preparation; and construction oversight. Coordinated with the Arkansas Game and Fish Commission for design of future Game and Fish youth hunting area within the project.</b>		<input type="checkbox"/> Check if project performed with current firm	

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

a. NAME <b>David Maldonado-Camou, PE</b>	b. ROLE IN THIS CONTRACT <b>Civil Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>12</b>	2. WITH CURRENT FIRM <b>1</b>
d. LOCATION (City and State) <b>Bowman Consulting, 1295 W. Washington St., Suite 108, Tempe, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>MBA, Arizona State university, 2012 BS, Civil Engineering; Arizona State University, 2004</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZPE # 48621</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Villago, Casa Grande, AZ</b>	(2) YEAR COMPLETED
		Professional Services <b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer for the re-plot for a 1,709-acre master planned community in Casa Grande, AZ. The first phase was previously designed and built, while the remaining phases stalled with the economic downturn. Bowman is working on revisions to the remaining phases to account for adjustments in arterial roadway alignments, park acreage requested by the City and adjustments in noise contours for the airport which have all occurred since the last amendment was approved in 2006. An existing commercial corner, schools and the existing residences within the first phase provided some unique design challenges when having to adjust to meet the revised City plans and street design.</b>	
		<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Champion School Site, Pinal County, AZ</b>	(2) YEAR COMPLETED
		Professional Services <b>2015</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer for the 8.5 acre charter school facility in Pinal County, AZ. The project included engineering and construction documents for the vacant site. Mr. Maldonado-Camou designed and produced construction documents for the new facility, parking lot improvements, and recreational fields. Scope also included the drainage analysis and grading design, the design of a storm water management plan and roadway improvements.</b>	
		<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>Mayo Clinic Hospital Expansion , Phoenix, AZ</b>	(2) YEAR COMPLETED
		Professional Services <b>2007</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer for several projects within the Mayo Clinic campus. Mr. Maldonado-Camou designed and produced construction documents for building expansions, parking lot improvements, drainage channels improvements and retention basin reconstruction, new medical office facilities, amongst other. These projects included the production of construction documents for the demolition of buildings, utility relocation, paving improvements, grading and drainage plans.</b>	
		<input type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>7<sup>th</sup> Street, Carefree Highway to Lake Pleasant Road, MCDOT, AZ</b>	(2) YEAR COMPLETED
		Professional Services <b>June 2009</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer for the final design of 7th Street, consisting of more than 3 miles of roadway within the jurisdiction of Maricopa County. Mr. Maldonado participated in the drainage analysis and grading design, also involved in analyzing the project's drainage impact, including a large watershed analysis and the design of a storm water management plan for the proposed roadway improvements.</b>	
		<input type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Ironwood Drive/ Combs Road to Queen Creek Road , Queen Creek, AZ</b>	(2) YEAR COMPLETED
		Professional Services <b>2004</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Designer of roadway improvements to Ironwood Drive from Combs Rd to Queen Creek. Mr. Maldonado assisted with the roadway layout, preparation of construction drawings, storm water management reports, and construction inspection of large diameter water main improvements.</b>	
		<input type="checkbox"/> Check if project performed with current firm

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

a. NAME <b>Jared Gardner, PE</b>	b. ROLE IN THIS CONTRACT <b>Project Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>8</b>	2. WITH CURRENT FIRM <b>3</b>
d. LOCATION (City and State) <b>Bowman Consulting, 1295 W. Washington St., Suite 108, Tempe, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>B.S. in Civil Engineering from Brigham Young University</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZPE #57123</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Queen Creek Station Queen Creek, AZ</b>	(2) YEAR COMPLETED
		Professional Services <b>2014</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Engineer for site grading, drainage, and retention. Responsible for the hydraulic study and hydrologic analysis. This project is a 1,139 acre, 677-lot single family subdivision located at Germann and Rittenhouse Roads The scope of services include construction drawings: including in-depth grading and drainage studies and calculations, drainage report, mass grading plan, lift station, paving, water, sewer, final plat, Engineer of Record services and pre-construction management. CD's also include an overall project storm water pollution prevention plan and master plan. Off-site improvements include half street improvements to Ellsworth Road including paving, utilities, curb and gutter, sidewalk and landscaping.</b>	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Bordeaux Gilbert, AZ</b>	(2) YEAR COMPLETED
		Professional Services <b>2014</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Served as Project Engineer for site grading, drainage, and retention. Responsible for the hydraulic study and hydrologic analysis. This project is a 31 acre, 45-lot single family subdivision located on San Tan Boulevard east of Higley Road. Managed the development of the construction drawings which included: in depth grading and drainage studies and calculations, drainage report, fissure mitigation, paving, water, sewer, final plat, Engineer of Record services and pre-construction management. CD's also include an overall project storm water pollution prevention plan. Half street improvements to San Tan Boulevard including paving, utilities, curb and gutter, sidewalk and landscaping.</b>	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>Ellsworth Road Widening Queen Creek, AZ</b>	(2) YEAR COMPLETED
		Professional Services <b>2014</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Served as Project Engineer for site grading, drainage, and retention. Responsible for the hydraulic study and hydrologic analysis. This project is a 31 acre, 45-lot single family subdivision located on San Tan Boulevard east of Higley Road. Managed the development of the construction drawings which included: in depth grading and drainage studies and calculations, drainage report, fissure mitigation, paving, water, sewer, final plat, Engineer of Record services and pre-construction management. CD's also include an overall project storm water pollution prevention plan. Offsite improvements include half street improvements to San Tan Boulevard including paving, utilities, curb and gutter, sidewalk and landscaping.</b>	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>Sonoran Commons; Phoenix, AZ</b>	(2) YEAR COMPLETED
		Professional Services <b>2014</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Served as Project Engineer for this 40-acre, 100-lot project site. Design services included supporting documentations and exhibits for the PAD, preliminary site plan, final improvement plans and reports, final site plans and final plats. As with the other projects in the North Black Canyon Corridor Sonoran Commons is bisected by a 404 jurisdictional wash with significant flows, adjacent to Arizona State Land Department, is comprised of significant fall across the site requiring intense grading design and required to be designed to satisfy the North Black Canyon Corridor Guidelines. The site requires cutoff walls due to the high flow rates of the washes, coordination with the U.S. Army Corps of Engineers, multiple utility agencies, the City of Phoenix, ASLD and proposed adjacent developers for ROW acquisition, land swaps and slope easements. He completed the grading and drainage studies, final draft report, and drainage calculations.</b>	<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Hendrix Pointe Estates; Mesa, AZ</b>	(2) YEAR COMPLETED
		Professional Services <b>2014</b>
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Served as Project Engineer for site grading, drainage, and retention. Responsible for the hydraulic study and hydrologic analysis. This project is a 19-acre, 37-lot single family subdivision located at Brown and Crismon Roads. The scope of services include construction drawings: including in depth grading and drainage studies and calculations, drainage report, mass grading plan, paving, water, sewer, final plat, Engineer of Record services and pre-construction management. CD's also include an overall project storm water pollution prevention plan and master plan. Offsite improvements include half street improvements to Brown Road including paving, utilities, curb and gutter, sidewalk and landscaping.</b>	<input checked="" type="checkbox"/> Check if project performed with current firm

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

a. NAME <b>Jessica Sarkissian, AICP, LEED AP</b>	b. ROLE IN THIS CONTRACT <b>Senior Land Planner</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>12</b>	2. WITH CURRENT FIRM <b>3</b>
d. LOCATION (City and State) <b>Bowman Consulting, 1295 W. Washington St., Suite 108, Tempe, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>MA, Administration and Public Planning from Northern Arizona University B.S. Regional Development from University of Arizona</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AICP #270780 LEED AP</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) <b>Arizona Planning Association Board Member (2013-Present), Arizona Planning Association Social Media Liaison (2013-Present), Town of Gilbert Planning Commissioner (2009-2012), Town of Gilbert Zoning Hearing Officer (2010-2012), Town of Gilbert 2011 General Plan Steering Committee Member, Town of Gilbert 2011 General Plan Sub-Committee Chair, Bolder Mountain Highlands Design Review Board (2013 – Present), Power Ranch HOA Board of Directors (2009-2010), Power Ranch HOA Design Review Board (2009-2012)</b>			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>City Gate Gilbert, AZ</b>	(2) YEAR COMPLETED
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Ms. Sarkissian provided land planning and entitlement work for the approximately 61-acre regional commercial project helping to process the development through the entitlement process including Rezone, Preliminary Plat, Design Review and Final Plat. Worked with Town staff and neighbors on their comments and concerns and provided positive results with an approval.</b>	Professional Services <b>2014 - Ongoing</b>
		Construction (if applicable)
		<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Ware Farms Pinal County, AZ</b>	(2) YEAR COMPLETED
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Jessica served as land planner processing the entitlements on a 473-acre master planned community in the San Tan Valley area of Pinal County. This entitlement entails development of a new PAD narrative and Open Space and Recreation Plan to follow the new zoning ordinance of Pinal County. Development standards and design criteria are part of the entitlement process as well as meetings between County staff and at Public Hearings.</b>	Professional Services <b>2014 - Ongoing</b>
		Construction (if applicable)
		<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>Bordeaux Gilbert, AZ</b>	(2) YEAR COMPLETED
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Serving as land planner for the 31-acre large lot residential site in the South Gilbert San Tan Character Area. Working on developing the land plan for the site taking into account the Area Plan for the site and impact on the surrounding properties. Prepared pre-application documents for the pre-plat and met with the Town for comments. Preparing the formal pre-plat submittal on the project for future site development</b>	Professional Services <b>2014</b>
		Construction (if applicable)
		<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>Hendrix Estates Mesa, AZ</b>	(2) YEAR COMPLETED
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Ms. Sarkissian worked as the land planner in coordination with the land attorney on the entitlements for an approximately 19-acre, 37-lot subdivision located at Brown and Crismon Roads. Work included entitlement and coordination of rezoning and design review. Coordinated with neighbors and the City on neighbor concerns and design requirements for the site located within the Desert Uplands Character area of Mesa.</b>	Professional Services <b>2014</b>
		Construction (if applicable)
		<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Villago Casa Grande, AZ</b>	(2) YEAR COMPLETED
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>As the senior planner, Ms. Sarkissian is working on the entitlements for an approximately 1,709- acre master planned community. The first phase was previously designed with the entire community and built, while the remaining phases stalled with the economic downturn. Jessica and the team are working on revisions to the Planned Area Development and design of the remaining phases to account for adjustments in arterial roadway alignments, park acreage requested by the City and adjustments in noise contours for the airport which have all occurred since the last amendment was approved in 2006.</b>	Professional Services <b>2015 - Ongoing</b>
		Construction (if applicable)
		<input checked="" type="checkbox"/> Check if project performed with current firm

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

a. NAME <b>Kent Groh, RLS</b>	b. ROLE IN THIS CONTRACT <b>Survey Department Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>25</b>	2. WITH CURRENT FIRM <b>2</b>
d. LOCATION (City and State) <b>Bowman Consulting, 1295 W. Washington St., Suite 108, Tempe, AZ 85281</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>B.S. Architecture from Southern Illinois State University</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ RLS# 44808</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) <b>Arizona Professional Land Surveyors (APLS), National Society of Professional Surveyors (NSPS), International Right of Way Association (IRWA)</b>			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>Southwest Gas Survey On-Call Services Maricopa County, AZ</b>	<b>Present</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Survey Project Principal providing on-call land surveying services in the metro Phoenix area. With approximately 15 projects completed each month, the team has completed over 175 projects to date. Aspects of the contract program include: Right-of-Way determination, boundary and easement documentation for new gas distribution lines, or replacement of aging gas distribution lines. Rigorous schedules often require survey staff to mobilize anywhere in the metro Phoenix within a 12-hours' notice.</b>		
2.	<b>Salt River Project (SRP) On-Call Survey Maricopa County, AZ</b>	<b>2014</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Project Manager for On-call surveying services for various tasks including right-of-way and easement staking, topographic surveys, legal descriptions and exhibits, and gas main service layouts and staking. The team has refined the coordination process, plan review, conflict identification and resolution which has allowed us to complete tasks such as a 500kv transmission line from PV Nuclear Plant to Casa Grande Topographic Survey, Arizona Cardinals/ University of Phoenix Stadium Staking, Valley Metro Light Rail Relocate, Chicago Cubs Spring Training Facility at Riverview Park staking, and the Loop 202 &amp; University/Broadway Relocate. Bowman is currently providing mobile LIDAR scanning survey services for the SOR mobile mapping pilot project in two sections of Maricopa County. Bowman crews are performing scanning of all arterial roads, alleys, and canals within these two sections.</b>		
3.	<b>Layton Lakes Master Planned Community Chandler, AZ</b>	<b>Present</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Survey Project Manager for ALTA, Topographic and Boundary survey on the 832-acre Master Planned Community. Also managed the preparation of the Final Plat for the project through the City of Chandler.</b>		
4.	<b>San Tan Shadows Community Unincorporated Pinal County, AZ</b>	<b>Present</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Survey Project Manager for ALTA, Topographic and Boundary survey for the Community. Also managed the preparation of the Final Plat for the project through Pinal County.</b>		
5.	<b>Windgate Ranch Community for Toll Brothers Scottsdale, AZ</b>	<b>2014</b>	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Served as Project Manager for residential lot staking, floodplain certification, and elevation certification.</b>		

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

a. NAME <b>Doug Toney, RLS, CFedS</b>	b. ROLE IN THIS CONTRACT <b>Survey Project Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL <b>14</b>	2. WITH CURRENT FIRM <b>2</b>
d. LOCATION (City and State) <b>Bowman Consulting, 1295 W. Washington St. Suite, 108, Tempe, AZ</b>			
e. EDUCATION (DEGREE AND SPECIALIZATION) <b>B.S. in Mechanical Engineering from Arizona State University</b>		f. PROFESSIONAL TRAINING - REGISTRATIONS <b>AZ RLS# 55030 CFedS # 1634</b>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) <b>Arizona Professional Land Surveyors (APLS), National Society of Professional Surveyors (NSPS)</b>			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Southwest Gas Survey On-Call Services Maricopa County, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>Present</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Survey Project Manager providing on-call land surveying services in the metro Phoenix area. With approximately 15 projects completed each month, the team has completed over 175 projects to date. Aspects of the contract program include: Right-of-Way determination, boundary and easement documentation for new gas distribution lines, or replacement of aging gas distribution lines. Rigorous schedules often require survey staff to mobilize anywhere in the metro Phoenix within a 12-hours' notice.</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Greenfield Farms Gilbert, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>2014</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Serving as the survey project manager for residential construction staking, including rough grade, wet/dry utilities, hardscape, and as-builts.</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>Bacara Scottsdale, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>Present</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Serving as the survey project manager for residential lot staking, floodplain certification, setback certification, elevation certification</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>San Tan Shadows Unincorporated Pinal County, AZ</b>	(2) YEAR COMPLETED	
		Professional Services <b>Present</b>	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Survey Assistant Project Manager for ALTA, Topographic and Boundary survey for the Community. Also managed the preparation of the Final Plat for the project through Pinal County.</b>	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Verrado Victory District Phase 1 Buckeye, AZ</b>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <b>Served as survey project manager for preparation of the final plat for the residential project.</b>	<input type="checkbox"/>	Check if project performed with current firm

**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>Southwest Gas On-Call Surveying and Engineering Design Services Greater Phoenix Metropolitan Area, Casa Grande, Great Pinal County and Graham County, AZ</b>		b. YEAR COMPLETED	
		PROFESSIONAL SERVICES <b>2014</b>	CONSTRUCTION <i>(If applicable)</i> <b>Ongoing</b>
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER <b>Southwest Gas On-Call (SWG)</b>	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT <b>\$ T&amp;M</b>	e. TOTAL COST OF PROJECT	

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

Bowman provided engineering design services include construction and permitting drawings for gas main abandonment and replacement, new residential and commercial projects, and special projects. Design scope includes engineering services, pipeline installation, replacement and abandonment of distribution and high pressure systems, directional drilling, regulator stations and pressure testing. Southwest Gas is in the process of upgrading their pipeline systems throughout the state. Bowman has provided construction drawings for over 40 projects in nine months. Designs include steel transmission and distribution main replacement, HDD design, neighborhood grid and service replacement and new development. Services also include providing pressure test construction, tie-in and corrosion protection details, regulator station design, cost estimates and extensive client/city coordination. Bowman has been contracted to work in the Central, Valley and Southern Districts for Southwest Gas.

Bowman is providing on-call land surveying services in the metro Phoenix area. With approximately 15 projects completed each month, the team has completed over 175 projects to date since signing the contract. Aspects of the program include: Boundary and right-of-way determination, topographic surveys, gas line construction staking and as-builts, field staking of existing and proposed gas line easements and preparation of new easement documents. One of the challenges to this contract are the rigorous schedules often required for survey staff to mobilize anywhere in the metro Phoenix within a 12-hours' notice.



**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>Mesa Arterial Streets Reconstruction (Stapley, Recker &amp; Signal Butte) Groups 1 &amp; 4 including Water &amp; Gas Line Design (COM Project 44-007-001) Mesa, AZ</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2010</b>	CONSTRUCTION <i>(If applicable)</i> <b>2015</b>

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER <b>City of Mesa</b>	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT <b>\$189,040</b>	e. TOTAL COST OF PROJECT
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Bowman provided civil engineering design and survey services for the City of Mesa Arterial Reconstruction Project, which includes existing utility as-built verification and base map preparation for the City Arterial Street Reconstruction Program, which included reconstruction of 1 mile of Stapley Drive between Brown Road and University Drive, Recker Road north of Thomas, and Signal Butte from Southern to Wier. Design services include the design of those areas of pavement reconstruction, concrete repairs, sidewalk ramp modifications, sidewalk additions, traffic signal indicator modifications, signing and striping and cost estimates. In 2011 the City requested that we add the design of a 2-inch gas main and 12-inch waterline along Stapley. Additional topographic survey was obtained as well as underground utilities vertical location. In addition, we are providing the City of Mesa an Engineer's Opinion of Probable Construction Cost based on the 90% plans, bidding assistance, and construction administration.



**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>City of Phoenix Fire Hydrant Install Design Project –#WS85500393 Phoenix, AZ</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2013</b>	CONSTRUCTION <i>(If applicable)</i> <b>2013</b>

**23. PROJECT OWNER'S INFORMATION**

c .PROJECT OWNER <b>City of Phoenix</b>	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT <b>Design Cost \$114,319</b>	e. TOTAL COST OF PROJECT
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Bowman provided topographic mapping and engineered plans for the construction of necessary water fire hydrant services for various streets. This project included six quarter sections of land where hydrants will be evaluated to determine if they meet the current standards within the City of Phoenix and then replace, modify or add fire hydrants and/or waterline if necessary. This project involved extensive public outreach with residents and local businesses through door hangers and mailers. A dedicated phone line was installed to receive calls and talk with interested citizens.

Project challenges included numerous discrepancies between the as-builts, Phoenix water maps and the actual field conditions. Significant site visits and investigation were also required with potholing to adequately design the proposed solutions. Additionally public outreach was very time consuming as hundreds of neighbors were notified and interest arose in relation to the affects onto their properties from the improvements. Calls and questions from the public were addressed individually to inform the neighbors of the process, timing and what to expect.



**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>FedEx Distribution Center                  Chandler, AZ</b>		b. YEAR COMPLETED PROFESSIONAL SERVICES <b>2014</b>		CONSTRUCTION <i>(If applicable)</i> <b>2015</b>
23. PROJECT OWNER'S INFORMATION				
c. PROJECT OWNER <b>FedEx</b>	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT <b>\$125,000</b>	e. TOTAL COST OF PROJECT <b>\$130,000</b>		

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

Provided civil design for a 311,000 sq. ft. distribution facility on a 48-acre site, located on Queen Creek Road just east of Gilbert Road in Chandler. The scope of services included: due diligence studies for zoning verification, utility availability, required roadway improvements, and cost estimates, preparation of preliminary site, grading and utility plans, and coordination of proposed improvements with city staff, owner, adjacent developers and other design professionals. Project required coordination of improvements with the City of Chandler, FAA, Roosevelt Water Conservation District, MCESD, offsite improvement engineer, overall property developer (75 acres), architect, other engineering disciplines and the design/ build contractor.



**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>El Oso Park Phoenix, AZ</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>2012</b>	CONSTRUCTION <i>(If applicable)</i> <b>2013</b>

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER <b>City of Phoenix</b>	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT <b>\$14,907</b>	e. TOTAL COST OF PROJECT <b>\$</b>
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Bowman provided design services and construction administration and inspection services during the construction phase for the complete re-development of this 40-acre City Park including sports facilities, trails, and open space areas in West Phoenix.





ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
ADSP016-00005912

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

6. ADDITIONAL INFORMATION

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

See Attached Organizational Charts

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:	20%
b. Percentage of Total Work Attributable to Non-Government Work:	80%

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

Signature: 

Date: 12/11/2015

Name: Troy Peterson, PE

Title: Principal

Troy Peterson, PE  
Dept. Executive  
Team Leader

## Engineering

## Planning

## Survey

Joe Cable, PE  
Sr. Project Manager  
Team Leader

George Swarstad  
Sr. Project Manager

David Maldonado-Camou  
Sr. Project Manager

John Gray, PE  
Senior Project Manager

Jeff Rybarczyk, PE  
Senior Project Manager

Jared Gardner, PE  
Engineer II

Alyssa Paulus, PE  
Engineer II

Jessica Sarkissian, AICP  
Senior Planner

Kent Groh, RLS  
Survey Dept. Manager  
Team Leader

See Survey Org. Chart

## Design Team

Chuck Wurl, EIT  
Engineer I

Michael Ronchetto  
Designer

Kevln Endresen  
Design II

Casey Spaulding  
CADD Drafter II

Shawn Frazzini  
Designer I

Jeff Swanitz  
Designer II

Adam Dudley  
CAD Drafter II

Alfredo Carrillo  
Designer II

Anita Caballero  
CADD Drafter II

Debra Dan, LSIT  
Designer I

Dan McNeil  
CADD Drafter I

Joseph Gimbut  
Project Engineer

Shane Thompson  
CADD Drafter III

Curtis Amundson  
Designer II

