



Offer and Acceptance

State of Arizona
State Procurement Office

100 N. 15th Ave. Suite 201
Phoenix, AZ 85007

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

PAGE
1

Offeror: Tectonic Engineering & Surveying
Consultants, P.C.

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.

Tectonic Engineering & Surveying Consultants, P.C.

Company Name

4041 S. McClintock Dr., Ste. 302

Address

Tempe,

AZ

85282

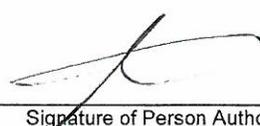
City

State

Zip

jstevens@tectonicengineering.com

Contact Email Address


Signature of Person Authorized to Sign Offer

John Stevens

Printed Name

Manager of Professional Services

Title

Phone: (480) 629-5533

Fax: (480) 629-8771

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. 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

20

16


Procurement Officer

4041 South McClintock Dr., Suite 302
Tempe, AZ 85282

480-629-5533 FAX 480-629-8771
www.tectonicengineering.com

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

December 15, 2015

Attn: Gina DeCotiis
State Procurement Officer

**RE: Statement of Qualifications – 2016 Annual Professional Services List
ADSP016-00005912**

Dear Ms. DeCotiis:

Tectonic Engineering & Surveying Consultants P.C. (Tectonic) is pleased to submit this Statement of Qualifications to provide Professional Engineering Services for the State of Arizona.

Tectonic was founded in 1986 and is a multi-disciplined engineering firm employing a staff of approximately 500 professionals comprised of civil, structural, environmental, and geotechnical engineers, public safety specialists, geologists, surveyors, planners, and construction inspectors. Our Tempe, AZ regional office has been in operation since 2012 and has been providing full engineering services to private clientele and public agencies in Arizona, New Mexico, Texas and Nevada.

The depth of experience combined with the multi-faceted capabilities of our staff presents a company that is highly qualified to accomplish projects from inception to completion. Our approach to project management is grounded in basic practiced strategies that have proven to deliver successful products time and again. Tectonic has been in business for over twenty five years with a reputation for offering professional and quality services.

Tectonic acknowledges receipt of Solicitation Amendment #1.

Thank you for this opportunity and we look forward to meeting with your Team. If you need any additional information please do not hesitate to contact me at (480) 629-5533, or by e-mail at jstevens@tectonicengineering.com.

Sincerely,

TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C.



John Stevens
Manager of Professional Services
Attachment: Engineering Services Statement of Qualifications

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State of Arizona Statement of Qualifications 2016 Annual Professional Services List

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Attachments: Required Forms

- Response Form I: Firms General Qualifications Form
- Response Form II: Firms Qualifications - Disciplines
- Response Form III: Firms Qualifications – Experience Categories
- Response Form IV: SPO Form 204 – Confidentiality and Trade Secrets
- Signed Offer and Acceptance Form
- Certificate of Insurance Verification Letter
- Bid Solicitation sheet

Statement of Qualifications-2016 Annual Professional Services List
State of Arizona

1.0 Specialized Design and Technical Competence

Business Address: 4041 South McClintock Drive
Suite 302
Tempe, AZ 85282
Phone: (480) 629-5533
Contact Person: John Stevens
Email: JStevens@tectonicengineering.com

Tectonic is a Professional Corporation, incorporated in 1987 under the name Tectonic Engineering Consultants, P.C. In 2001, Tectonic changed its name to the present name of Tectonic Engineering & Surveying Consultants P.C. The Principals and founders of this firm are Richard P. Kummerle, P.E., P.P., P.G., Chairman of the Board, and Donald A. Benvie, P.E., President and Treasurer. Rich Kummerle is a licensed Professional Engineer in Arizona.

Tectonic Engineering and Surveying Consultants P.C. (Tectonic) offers a full spectrum of professional engineering, planning, surveying and construction inspection services to match our clients' growing needs. Established in 1986, Tectonic has grown to become a multi-disciplined engineering firm with a staff of over 500 professionals. As one of the Top 500 ENR engineering design firms for the past three years, Tectonic is committed to providing well organized, thorough, and practical teams that deliver a timely, economical, and quality work product offered from offices located throughout the country, including Arizona.



Tectonic's mission is to provide the highest level of quality and service; therefore, we concentrate our services on market sectors that reflect the strength and talent of our staff. Tectonic serves the Transportation, Water Resources, Land Development, Telecommunications and Municipal Engineering markets. The firm's total staff of 500 includes Professional Engineers with expertise in civil, environmental, geotechnical, structural and municipal engineering, construction management and construction inspection personnel, and an in-house materials testing laboratory. The depth of our experience combined with the multi-faceted capabilities of our staff presents a company that is highly

Statement of Qualifications-2016 Annual Professional Services List
State of Arizona

qualified to successfully service a project through the planning, permitting, design, bidding and construction phases.

Tectonic understands the unique requirements of contracts that entail immediate assignment of staff, quick start-up and timely delivery of services, as we have performed similar work for professional service contracts relating to a variety of municipal projects. We currently have on-call contracts with regional agencies, counties, and municipalities.

2.0 Firm's Capacity and Capability

Tectonic believes the optimum project approach is to provide the State with access to a team of engineering specialists. Rather than try and utilize one staff member that has all this experience and expertise; which would be some at senior level with many years' experience, we believe selectively assigning staff with the needed experience would be the most cost-effective and value added approach for the State of Arizona.

Specifically, Tectonic will assign our Manager of Professional Services, John Stevens, to be Tectonic's Point of Contact (POC) with the State, who will be responsible to make sure all tasks assigned by the State are completed by the Tectonic team member with the best experience at the least possible hourly rate. Thereby, providing the State lower rate personnel for tasks that are less complex and/or less sensitive; yet at the same time permit the State access to senior, licensed staff with more experience and/or expertise with specific engineering or specific technical issues. This approach assures the State that they have all the specific expertise they need from one source; which simply cannot be provided from one independent consultant.

Tectonic has extensive experience providing engineering services for public and private clientele and understands the importance of project management and project control. Our approach includes providing flexibility in management and execution of the work, whether the assigned task is of a routine or emergency nature. Once the State identifies a task assignment, Tectonic will meet with the State to discuss the scope of services and obtain all available data including reports, studies, maps, etc. Tectonic will then prepare a task based work plan that describes methodically and chronologically what will be done, what will be provided as the end product and a detailed schedule with estimated dates of completion for project milestones. Based on the level of effort and activities required to accomplish the work plan in the task statement, Tectonic will prepare a cost proposal with a detailed breakdown of direct technical labor costs, direct costs, overhead and all mark-ups permitted under the contract. Tectonic will review the task work plan with the State and with input from the State, issue a finalized work plan.

Statement of Qualifications-2016 Annual Professional Services List
State of Arizona

Tectonic's goal is to achieve technical excellence by striving to maintain the highest level of proficiency in the performance of our engineering services. To accomplish this, we dedicate the best professional talents, supported with the necessary resources to ensure that the most technically feasible and cost effective solutions are an integral part of the final product delivered to the Client. Tectonic has a comprehensive Quality Assurance/Quality Control (QA/QC) Plan that will be used as guides in the performance of the professional services. The success of each project is determined by our ability to achieve and sustain a high standard of performance through the dedication and commitment of the competent staff. It is Tectonic's philosophy that we have an obligation to provide a quality product to all our clients through responsive and innovative application of practical experience, technical competence, and state-of-the-art technology. Tectonic's QA/QC Plan has been developed to assist in achieving this goal. Tectonic's goal is to provide quality services based on the following:

- Understanding of the Client's needs
- Proper application of the applicable design criteria and regulatory standards
- Use of current technology
- Organization, thoroughness, and presentation of product and technical data generated
- Technical acceptability of product
- Cost effectiveness
- Ability to meet the schedule

In summary, Tectonic will provide a team of engineers, managed by one point-of-contact, who will assign the most cost-effective staff to complete the tasks authorized. This value added concept will provide the State with a unique source of experience and expertise, and the ability to perform multi-tasks, to meet your demanding schedule, cost competitively.

2.1 Project Schedule Assurance Techniques

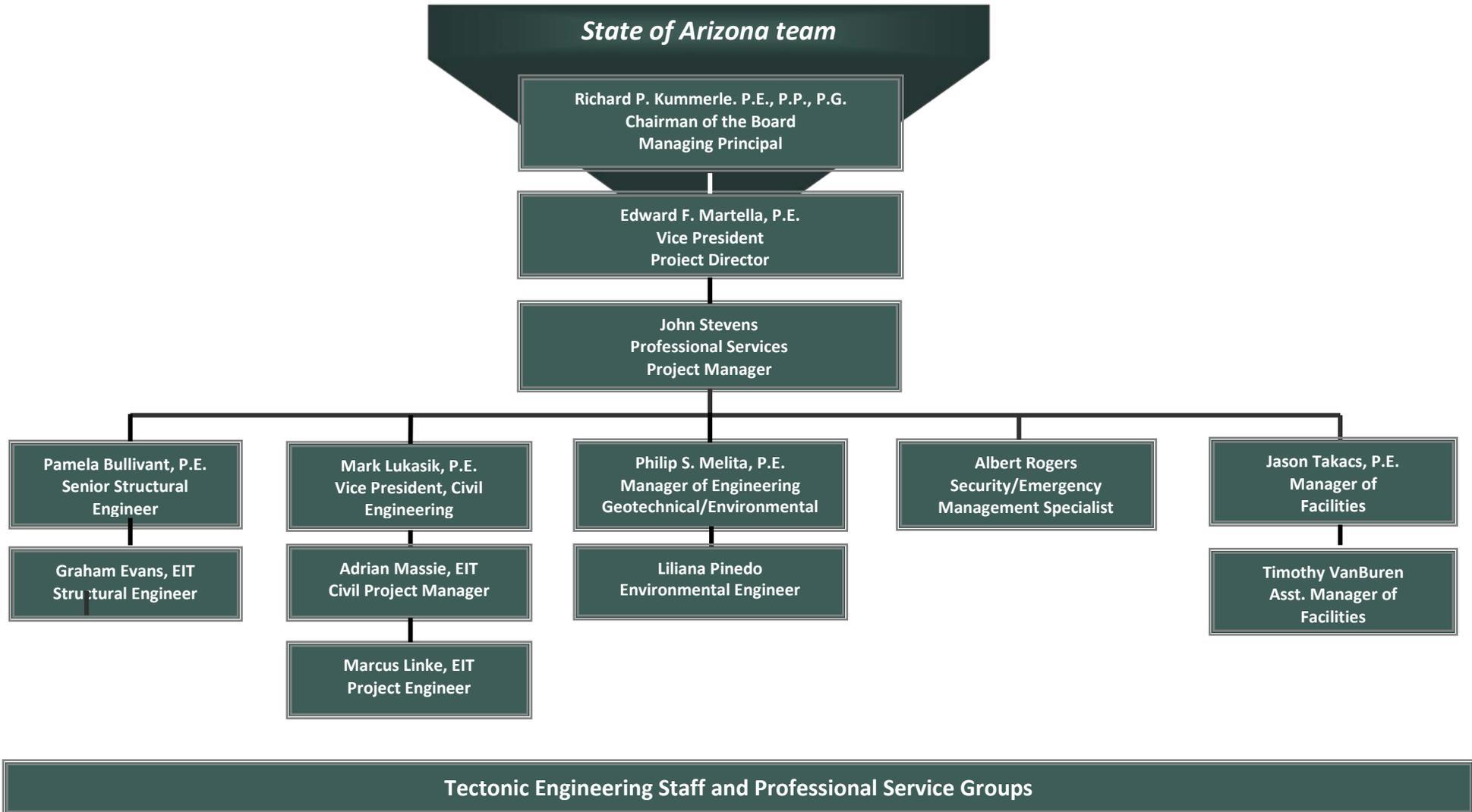
Tectonic strives to have all projects stay within the approved budget and meet all project schedule milestones and deadlines. Conformance to established project schedules is achieved by assigning a proficient Project Manager to an experienced design team, who will coordinate all parties involved in the project and track progress on a regular basis. Tectonic utilizes several controls to ensure adherence to project schedules. Our interactive project reporting system allows Project Managers to obtain updated information on the status of a project, from both a technical and financial standpoint. These internal resources provide for close project tracking and prevent any deviations from the established schedule. In addition, we keep the client informed as the project progresses to ensure a clear understanding of scheduling goals and objectives.

2.2 Cost Control and Budgets

Tectonic Project Manager, John Stevens, will be the primary point of control and quality assurance for all aspects of project cost control as related to available and provided project funding as well as in regards to the project estimation of costs through all disciplines of any project. With more than 14-years-experience in design, construction and estimating of costs, Mr. Stevens offers the Tectonic Team a level of quality and attention to detail that will assure cost control measures are in place from the early stages of schematic design through project closeout and completion.

Statement of Qualifications-2016 Annual Professional Services List
State of Arizona

2.3 Organizational Chart for Engineering Services



Attachment I – Required Forms:
Response Form I
Revised Response Form II
Response Form III
Response Form IV
Signed Offer and Acceptance Form
Certificate of Insurance Verification Letter
Bid Solicitation Sheet



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912

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

(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:	Tectonic Engineering & Surveying Consultants, P.C.
b. FIRM (OR BRANCH OFFICE) STREET:	4041 S. McClintock Drive, Ste. 302
c. FIRM (OR BRANCH OFFICE) CITY:	Tempe
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85282
f. YEAR ESTABLISHED:	Corporation in 1986, Tempe Branch in 2012
(g1). OWNERSHIP - TYPE:	Corporation
(g2). OWNERSHIP - SMALL BUSINESS STATUS:	N/A
h. POINT OF CONTACT NAME AND TITLE:	John Stevens, Manager of Professional Services
i. POINT OF CONTACT TELEPHONE NUMBER:	Office: (480) 629-5533, Mobile: (480) 284-1050
j. POINT OF CONTACT E-MAIL ADDRESS:	jstevens@tectonicengineering.com
k. NAME OF FIRM (If block 1a is a branch office):	Tectonic Engineering & Surveying Consultants, P.C.



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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	P	2	0
Civil Engineer	P	24	3
Construction Inspector	P	185	0
Construction Manager	P	8	0
CADD Technician	P	39	5
Ecologist	P	1	0
Environmental Engineer	P	12	0
Environmental Scientist	P	8	0
Geologist	P	14	0
Project Manager	P	40	3
Soils Engineer	P	11	1
Structural Engineer	P	39	0
Technician / Analyst	P	22	0
Transportation Engineer	P	15	0
Mechanical Engineer	P	1	0
Total		421	12



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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>
5	Bridges	5
3	Dams (Earth, Rock); Dikes; Levees	3
30	Educational Facilities; Classrooms	2
50	Environmental Impact Studies, Assessments or Statements	5
6	Highways; Streets; Airfield Paving Parking Lot	3
2	Office Buildings; Industrial Parks	2
120	Planning (Site, Installation, and Project)	5
500	Soils and Geologic Studies; Foundations	5
35	Surveying; Platting; Mapping Flood Plain Studies	6
5	Testing Inspection Services	3
2100	Traffic and Transportation Engineering	6
10	Towers (Self-Supporting & Guyed Systems)	6
5	Water Supply; Treatment and Distribution	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 Richard P. Kummerle, P.E., P.G., P.P.	b. ROLE IN THIS CONTRACT Principal in Charge	c. YEARS EXPERIENCE	
		1. TOTAL 40	2. WITH CURRENT FIRM 28 – Founding Partner
d. LOCATION (City and State) Tempe, AZ			
e. EDUCATION (DEGREE AND SPECIALIZATION) M.S. Civil Engineering, B.S. Geological Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer – AZ + 47 other States Professional Geologist	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Professional Planner; Sandia Laboratories: Licensed Certified Trainer to Conduct Vulnerability Assessments. Licensed to perform Vulnerability Assessments in RAM-W, RAM-D and RAM-T, FEMA: Emergency Manager Certification			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) GovNET, Inc. – A/E Design of Public Safety Microwave Network Throughout State of Arizona	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Director. Tectonic is currently working with GovNET, Inc. as the primary A/E design engineering firm for the development of a Public Safety Microwave Network throughout the State of Arizona. Compensation of \$37,000.00. Principal in charge.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) AWS Turnkey Services, A & E Design & Construction Management Services; Arizona, New Mexico, Texas & Nevada	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tectonic has been retained by Verizon Wireless since 2012 to provide Project Management Services, Site Acquisition Services, Structural Engineering Services, A&E Engineering Services, Permitting and Construction Management Services for the AWS deployment. Tectonic has provided services for over 250 sites. To date project compensation: \$1,455,000. Project is ongoing since 2012. Principal in Charge.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Central Arkansas Water, Vulnerability Assessment, Little Rock Arkansas	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tectonic was retained by Central Arkansas Water to review, recommend revisions, and update as directed the Utility's Vulnerability Assessment, Pipeline Assessment and Emergency Response Plans for its facilities within the Central Arkansas Water departments. Compensation of \$161,000.00. Project Director.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Town of Warwick Municipal Engineers, Town of Warwick, NY	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As the Municipal Engineer for the past 21 years to present, Tectonic serves the Town Board, Building Department, and Department of Public Works. Tectonic also served as the Planning Board Engineer for over 15 years. Ongoing. Principal in Charge.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) CRAN Southwest Region Project, A & E Design & Construction Management Services; Arizona, New Mexico, Texas & Nevada	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Services provided include: Architectural, civil, structural, mechanical, electrical, and fire protections design and engineering per network standards application to wireless HUB sites. Budget compensation: \$300,000. Project is ongoing since 2015. Principal in Charge.	<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 Edward F. Martella, P.E.	b. ROLE IN THIS CONTRACT Project Director	c. YEARS EXPERIENCE	
		1. TOTAL 35	2. WITH CURRENT FIRM 15
d. LOCATION (City and State) Tempe, AZ			
e. EDUCATION (DEGREE AND SPECIALIZATION) Master in Business Administration B.S. Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer – AZ + 20 other States	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Sandia Certified Trainer-VAM-CF, RAM-C and RAM-CI; US Dept. of Defense Certification – Security Engineering & Blast Resistance Design; Sandia RAM-W; FEMA; WMD Outreach Program, FBI Academy; OSHA/Hazardous Materials Course; J100RAMCAP			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) GovNET, Inc. – A/E Design of Public Safety Microwave Network Throughout State of Arizona	(2) YEAR COMPLETED
		Professional Services 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Director. Tectonic is currently working with GovNET, Inc. as the primary A/E design engineering firm for the development of a Public Safety Microwave Network throughout the State of Arizona. Compensation of \$37,000.00. Project Director.	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) AWS Turnkey Services, A & E Design & Construction Management Services; Arizona, New Mexico, Texas & Nevada	(2) YEAR COMPLETED
		Professional Services 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tectonic has been retained by Verizon Wireless since 2012 to provide Project Management Services, Site Acquisition Services, Structural Engineering Services, A&E Engineering Services, Permitting and Construction Management Services for the AWS deployment. Tectonic has provided services for over 250 sites. To date project compensation: \$1,455,000. Project is ongoing since 2012. Project Director.	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Central Arkansas Water, Vulnerability Assessment, Little Rock Arkansas	(2) YEAR COMPLETED
		Professional Services 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tectonic was retained by Central Arkansas Water to review, recommend revisions, and update as directed the Utility's Vulnerability Assessment, Pipeline Assessment and Emergency Response Plans for its facilities within the Central Arkansas Water departments. Compensation of \$161,000.00. Project Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Valencia County Detention Center Structural Analysis & Assessment	(2) YEAR COMPLETED
		Professional Services 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tectonic was retained by Valencia County, NM to perform a structural analysis and assessment of the Valencia County Detention Center. The analysis and assessment included all existing live and dead loadings placed on the structure to determine possible failure modes for the reinforced concrete beams and floor joists; reinforced concrete bearing walls and steel framing for roof structure. Compensation of \$50,000.00. Project Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Central Arkansas Water	(2) YEAR COMPLETED
		Professional Services 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tectonic is currently retained by Central Arkansas Water to review, recommend revisions, and update as directed the Utility's Vulnerability Assessment, Pipeline Assessment and Emergency Response Plans for its facilities within the Central Arkansas Water departments. Compensation of \$160,470.00, Project is ongoing. Project Manager.	<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 Philip S. Melita, P.E	b. ROLE IN THIS CONTRACT Manager of Engineering/Geotechnical	c. YEARS EXPERIENCE	
		2. TOTAL 15	2. WITH CURRENT FIRM 8
d. LOCATION (City and State) Tempe, AZ and Richmond, VA			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS P.E. Arizona + 5 other States	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) ASCE Certified - Structural Condition Assessment of Existing Structures, Design & Strengthening of Shallow Foundations, Earth Retaining Structures. ACI Certification – Concrete Slab Analysis/Design. Troxler Nuclear Gauge Training, Certified Tower/Tank Climber, FEMA Emergency Program Manger Certification, and Radiological Emergency Management.			

H. RELEVANT PROJECTS			
1.	(1) TITLE AND LOCATION (City and State) AWS Turnkey Services, A & E Design & Construction Management Services Arizona, New Mexico, Texas & Nevada	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tectonic has been retained by Verizon Wireless since 2012 to provide Project Management Services, Site Acquisition Services, Structural Engineering Services, A&E Engineering Services, Permitting and Construction Management Services for the AWS deployment. Tectonic has provided services for over 250 sites. To date project compensation: \$1,455,000. Project is ongoing since 2012. Manager of Engineering.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) New Build Turnkey Services, A & E Design & Construction Management Services Arizona, New Mexico, Texas & Nevada	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Turnkey Services include: Project Management, Site Acquisition, Structural and A&E Engineering, Geotechnical Engineering, and Construction Management. Functions include but are not limited to soils testing, building and structure analysis, design and formulation of tower specifications including specialty structures, design and submittal of permitting drawings, procurement of lease with ownership coordination. Service for over 100 sites. To date project compensation: \$2,300,000. Project is ongoing since 2012. Manager of Engineering.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Geotechnical Drainage Design. Richmond, VA	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided Geotechnical drainage design on existing Swansboro Elementary School building west wall. Site design sketch indicating drainage design patterns. The design consisted of a dry well design and new storm water design for school building. Compensation of \$50,000.00. Project Manager.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Building Expansion of existing facility. Richmond, VA	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided material testing and Special Inspection Services for construction of a 50,000 sq. ft. addition to a critical telecommunications switch in Richmond, VA. Services included soils and material testing; inspection of concrete reinforcing, structural steel; critical welding; inspection off exterior and interior finishes; mechanical and electrical systems. Project Manager.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Thomas Jefferson High School Geotechnical Investigation	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided analysis & design of a new football field scoreboard at Thomas Jefferson High School to include: Mounting frame support for football field scoreboard, geotechnical investigation to include one boring to determine bearing capacity, soil type & shrink-swell conditions, foundation design, construction drawings and construction monitoring of steel, concrete, etc. as specified from design. Compensation of \$2,850.00. Project Director.	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

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

a. NAME John Stevens	b. ROLE IN THIS CONTRACT Project Manager	c. YEARS EXPERIENCE	
		3. TOTAL 21	2. WITH CURRENT FIRM 4
d. LOCATION (City and State) Tempe, AZ			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Sociology		f. PROFESSIONAL TRAINING - REGISTRATIONS N/A	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) AZ Wireless Association Board of Directors			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) GovNET, Inc.: A&E Design of Public Safety Microwave Network Throughout the State of Arizona	(2) YEAR COMPLETED
		Professional Services 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Primary A&E engineering development of a Public Safety Microwave Network. Service to approximately 10-20 site locations; Project compensation: \$37,000. Completed in 2014. Project Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) AWS Turnkey Services: A&E Design, & Construction Management. Throughout Arizona, New Mexico, Texas, & Nevada	(2) YEAR COMPLETED
		Professional Services
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tectonic has been retained by Verizon Wireless since 2012 to provide Project Management Services, Site Acquisition Services, Structural Engineering Services, A&E Engineering Services, Permitting and Construction Management Services for the AWS deployment. Tectonic has provided services for over 250 sites. To date project compensation: \$1,455,000. Project is ongoing since 2012. Project Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) T-Mobile Turnkey & Modification Services: A&E Design & Construction Management. Throughout New Mexico	(2) YEAR COMPLETED
		Professional Services
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Services provided include: Project Management, Site Acquisition, Permitting, Structural, and A&E Engineering. This includes site audit & verification, landlord & jurisdiction coordination, geotechnical and foundation analysis, structural analysis including proposed design and modifications as necessary to structure. Tectonic has provided services to 75 sites. To date project compensation: \$299,000. Project is ongoing since 2015. Project Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Small Cell Turnkey Services: A&E Design, & Construction Management; Throughout Arizona, and New Mexico	(2) YEAR COMPLETED
		Professional Services
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Turnkey Services include: Project Management, Site Acquisition, A&E Engineering, Structural Engineering, and Construction Management. Functions include but are not limited to analysis of site, identification/submittal of permitting regulations, project coordination with land/site owners and jurisdictions, production of zoning and construction drawings for site build. Tectonic has provided services for over 70 sites. To date project compensation: \$ 1,550,000. Project is ongoing since 2013. Project Manager.	<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) New Build Turnkey Services: A&E Design & Construction Management. Throughout Arizona, New Mexico, Texas, & Nevada	(2) YEAR COMPLETED
		Professional Services
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Turnkey Services include: Project Management, Site Acquisition, Structural and A&E Engineering, Geotechnical Engineering, and Construction Management. Functions include but are not limited to soils testing, building and structure analysis, design and formulation of tower specifications including specialty structures, design and submittal of permitting drawings, procurement of lease with ownership coordination. Service for over 100 sites. To date project compensation: \$2,300,000. Project is ongoing since 2012. Project Manager.	<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 Adrian Massie	b. ROLE IN THIS CONTRACT Project Engineer	c. YEARS EXPERIENCE	
		4. TOTAL 3.5	2. WITH CURRENT FIRM 3.5
d. LOCATION (City and State) Tempe, AZ			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS EIT (engineer in training)	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) BECHTEL Certification (Environmental, Health, & Safety)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) T-Mobile Turnkey & Modification Services: A&E Design & Construction Management. Throughout New Mexico	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Services provided include: Project Management, Site Acquisition, Permitting, Structural, and A&E Engineering. This includes site audit & verification, landlord & jurisdiction coordination, geotechnical and foundation analysis, structural analysis including proposed design and modifications as necessary to structure. Tectonic has provided services to 75 sites. To date project compensation: \$299,000. Project is ongoing since 2015. Project Engineer.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) AWS Turnkey Services: A&E Design, & Construction Management. Throughout Arizona, New Mexico, Texas, & Nevada	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tectonic has been retained by Verizon Wireless since 2012 to provide Project Management Services, Site Acquisition Services, Structural Engineering Services, A&E Engineering Services, Permitting and Construction Management Services for the AWS deployment. Tectonic has provided services for over 250 sites. To date project compensation: \$1,455,000. Project is ongoing since 2012. Project Engineer.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Valencia County, NM Detention Center Structural Analysis and Assessment	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tectonic was retained by Valencia County, NM to perform a structural analysis and assessment of the Valencia County Detention Center. The analysis and assessment included all existing live and dead loadings placed on the structure to determine possible failure modes for the reinforced concrete beams and floor joist; reinforced concrete bearing walls and steel framing for roof structure. Compensation: \$50,000.00. Completed in 2014. Project Manager/Project Engineer.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Small Cell Turnkey Services: A&E Design, & Construction Management. Throughout Arizona, and New Mexico	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Turnkey Services include: Project Management, Site Acquisition, A&E Engineering, Structural Engineering, and Construction Management. Functions include but are not limited to analysis of site, identification/submittal of permitting regulations, project coordination with land/site owners and jurisdictions, production of zoning and construction drawings for site build. Tectonic has provided services for over 70 sites. To date project compensation: \$1,550,000. Project is ongoing since 2013. Project Engineer.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) New Build Turnkey Services: A&E Design & Construction Management. Throughout Arizona, New Mexico, Texas, & Nevada	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Turnkey Services include: Project Management, Site Acquisition, Structural and A&E Engineering, Geotechnical Engineering, and Construction Management. Functions include but are not limited to soils testing, building and structure analysis, design and formulation of tower specifications including specialty structures, design and submittal of permitting drawings, procurement of lease with ownership coordination. Service for over 100 sites. To date project compensation: \$2,300,000. Project is ongoing since 2012. Project Engineer.	<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 (City and State) CRAN Southwest Region Project	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Verizon Wireless	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$442,500.00	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)

Tectonic is currently providing design services and documentation related scope associated with the CRAN implementation for AC and HVAC Power Upgrades for thirty (30) existing Hub Sites located in the Verizon Wireless Southwest region.

Services include architectural, civil, structural, mechanical, electrical, and fire protection design and engineering per network standards applicable to HUB sites.

- Provide AC service and distribution upgrades from existing 200A service entrance with a new 400A AC service.
- Provide AC standby generator as required per new AZ load on service panel.
- HVAC upgrades will be provided to support the future loads. Upgrades may include a third 5 ton unit at each HUB site.
- Provide schematic level drawings for FM-200 systems within each HUB site, to be completed by the FM-200 manufacturer/installer for ultimate system design and construction requirements.
- AC and HVAC alarms will be provided per current VZW HUB standards.
- Existing HUB HVAC control system scope of work will include modifications for lead/lag/standby operation with 3 units. Replacement and modification of control panel, where necessary, will be provided to support the lead/lag/standby operation of the 3 units.
- New service entrance grounding will be provided.
- Design all foundations and support structures as required for the electrical, generator & fuel tank.
- Structural changes necessary to support the proposed design changes, including floor loading calculations and design for battery, generator pad modifications. Ladder racks are excluded.



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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 (City and State)	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
VZW Las Vegas N+1 Generator & BAS Project 475 Rock Quarry Way, North Las Vegas, NV 89030	2015	Dec 2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
Verizon Wireless	\$9,730,000	\$10,900,000

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

The Tectonic Team provided field investigation, design and NPRC4 documentation for the directed scope for this Las Vegas MSC Project. Tectonic was responsible for the architectural, civil, structural, and Construction Administration scope of the project, including development of design documents, specifications, opinion of probable cost, and associated NPRC4 documents for implementation of the project in accordance with Verizon Wireless standards.

The existing 15,936 sf MSC and a 312 sf Prefab Cell Building increased in gross area to 17,450 gsf with a building expansion to the east for a new mechanical room and Shipping/Receiving area. Under this project the existing two generators and single fuel tank were replaced with two (2) new 1500kW exterior mounted generators on 8000 gallon base tanks.

A new electrical utility service has been installed under this project. New electrical distribution system systems (MDSA and MDSB) were installed for diverse distribution. Mechanical rooms were constructed on either side of the Switch Room to accommodate the increased capacities. On the west, administrative area was removed and on the east site a building expansion was constructed.



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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>
Verizon Wireless AWS Turnkey Services Throughout Arizona, New Mexico, Nevada, Texas		

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
Verizon Wireless	N/A – As needed	\$1,455,000.00

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

Tectonic has been retained by Verizon Wireless since 2012 to provide Turnkey Services including Project Management, Structural Engineering, Site Acquisition, Engineering Services, and Construction Management Services for the AWS deployment. Tectonic has been providing services for over 250 sites that includes the following:

- Program Management
- File Audits
- Physical Site Audits/Design Inspections
- Constructability Review
- Structural Analysis for Tower / Buildings
- Leasing
- Building Permit Application
- Preparing Bid Packages/Conducting Bid Walks
- Preparing Bill of Materials
- Bid Review and Reporting
- Construction Management
- Close Out Documentation
- Zoning and Construction Engineering Plan Preparation
- Zoning/Municipal Permitting



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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 (City and State)	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
A/E Design of Public Safety Microwave Network Throughout Arizona	2014	2014

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
GovNET, Inc.	\$50,000.00	\$37,000.00

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

Tectonic worked with GovNET, Inc. as the primary A/E design engineering firm for the development of a Public Safety Microwave Network throughout the State of Arizona. Under the Federal Government American Recovery and Reinvestment Act (ARRA) and the National Telecommunications and Information Administration (NTIA) Broadband Technology Opportunities Program (BTOP), GovNET, Inc. is responsible to deploy, install and operate a highly sophisticated digital microwave and fiber network to be utilized by government agencies, educational and health organizations and other broadband-centric users in areas now underserved by reliable and cost effective broadband or where no broadband access exists at all. The first phase will require design efforts for construction of 90 backbone and nodal microwave sites. Additionally, 400 nodes comprised of Points of Service to critical customers will also need to be completed.



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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>
Geotechnical Drainage Design Richmond, VA	2014	2014

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
Richmond Public Schools	Various	Various (See below)

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

1. Swansboro Elementary School, Richmond, VA

Geotechnical Drainage Design
\$14,825.00

Tectonic provided Geotechnical drainage design on existing Swansboro Elementary School building west wall. Site design sketch indicating drainage design patterns. The design consisted of a dry well design and new storm water design for school building.

2. Thomas Jefferson High School

Structural Review Football Field Sign
\$2,850.00

Tectonic provided analysis and design of a new football field scoreboard at Thomas Jefferson High School to include:

- Mounting frame support for football field scoreboard
- Geotechnical Investigation to include one boring at scoreboard location to determine bearing capacity, soil type and shrink-swell conditions
- Foundation Design
- Construction Drawings
- Construction monitoring of steel, concrete, etc. as specified from design



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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.)

- Provided in additional proposal attachment

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:	52%
b. Percentage of Total Work Attributable to Non-Government Work:	48%

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

Signature: 

Date: December 15, 2015

Name: John Stevens

Title: Manager of Professional Services