



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: Project Engineering Consultants, Ltd.

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.

Project Engineering Consultants, Ltd.

Company Name

2310 West Mission Lane, Suite 4

Address

Phoenix

AZ

85021-2821

City

State

Zip

mheaton@pec.us.com

Contact Email Address

Signature of Person Authorized to Sign Offer

Michael D. Heaton

Printed Name

Vice President

Title

Phone:

602.906.1901

Fax:

602.906.3080

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

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

ACCEPTANCE OF OFFER

The Offer is hereby accepted.

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

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

The effective date of the Contract is March 1, 2016

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

State of Arizona
Awarded this

29 day of February 2016

Procurement Officer



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
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:	Project Engineering Consultants, LTD
b. FIRM (OR BRANCH OFFICE) STREET:	2310 West Mission Lane, Suite 4
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85021
f. YEAR ESTABLISHED:	1983
(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Yes (Less than 100 employees)
h. POINT OF CONTACT NAME AND TITLE:	Michael Heaton, Vice President
i. POINT OF CONTACT TELEPHONE NUMBER:	602.906.1901
j. POINT OF CONTACT E-MAIL ADDRESS:	mheaton@pec.us.com
k. NAME OF FIRM (If block 1a is a branch office):	N/A



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

2. EMPLOYEES BY DISCIPLINE

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Civil Engineer	P	17	4
CADD Technician	P	4	2
Construction Inspector	S	18	1
Construction Manager	S	5	1
Environmental Engineer	P	1	0
Geographic Information System	P	5	1
Landscape Architect	P	2	0
Sanitary Engineer	P	3	0
Structural Engineer	S	3	1
Technician/Analyst	P	10	4
Transportation Engineer	S	8	1
Water Resources Engineer	S	4	2
Other	P	9	4
Total		89	21



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

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)
1	Bridge Design	1
8	Construction Management	4
2	Design-Build: Preparation of Requests for Proposals	2
5	Highways; Streets; Airfield Paving; Parking Lots	2
3	Irrigation; Drainage	1
30	Land Surveying	2
20	Landscape Architecture	1
5	Environmental Impact Studies, Assessments or Statements	3
3	Sewage Collection, Treatment and Disposal	4
2	Storm Water Handling and Facilities	2
1	Structural Design; Special Structures	1
1	Surveying; Platting; Mapping; Flood Plain Studies	1
40	Topographic Surveying and Mapping	1
20	Traffic & Transportation Engineering	5
10	Traffic Studies	2
2	Water Resources; Hydrology; Ground Water	1

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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



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

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

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

a. NAME Michael D. Heaton	b. ROLE IN THIS CONTRACT Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 27	2. WITH CURRENT FIRM 15
d. LOCATION <i>(City and State)</i> Phoenix, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS, Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS AZ PE 25972; AZ CFM US-05-01701; NASSCO PACP & MACP U-409-8388	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> American Society of Civil Engineers, Arizona Society of Floodplain Management			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Maple Ash Sewer Replacement Tempe, Arizona	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design of 4,500 feet of sewer line in the Maple Ash neighborhood in Tempe, Arizona. The \$75,000 project included design plans to the bureau of Plans, Specifications, and Estimates (PS&E). Role: Design Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Zone 4S Integration Phoenix, Arizona	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Construction administration for 7,000 feet of a 12-inch water main in Phoenix, Arizona. The \$1.1 million project included installation, testing, tie-in to existing, and pavement replacement. Role: Resident Engineer	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Loop 303 Outfall Final Design Goodyear, Arizona	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design of 1,300 feet of concrete box culvert and 4,000 feet of a concrete flood control channel for the Flood Control District of Maricopa County, Arizona. The \$135,000 project included design plans to PS&E. Role: Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Aqua Fria Conservation Area Site Improvements Lake Pleasant, Arizona	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design of site improvements for the new recreation area for the Arizona Game and Fish and the Maricopa County Parks Department. The \$100,000 project included design plans for the Agua Fria River located at the upper end of Lake Pleasant in Maricopa and Yavapai counties in central Arizona. Role: Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Avenida Rio Salado/Broadway Road Phoenix, Arizona	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design of 1 mile of improved roadway in south Phoenix, Arizona. The \$525,000 project included design plans to PS&E. Role: Drainage Design Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm



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

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

a. NAME Tom Braatelian	b. ROLE IN THIS CONTRACT Civil Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 25	2. WITH CURRENT FIRM 21
d. LOCATION (<i>City and State</i>) Phoenix, Arizona			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) BS, Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS AZ PE 33632; NASSCO PACP & MACP U-510-10748	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>) American Consulting Engineers of Arizona, American Public Works Association, American Society of Civil Engineers			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	99 th Avenue Sewer Assessment Phoenix, Arizona	2015	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Design for a multi-city interceptor large-diameter, PVC lined reinforced concrete pipe. The \$414,573 project assessed four miles of pipe along with associated manholes and included rehabilitation recommendations. Role: Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Zone 4S Integration Phoenix, Arizona	2015	2015
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Construction administration for 7,000 feet of a 12-inch water main in Phoenix, Arizona. The \$1.1 million project included installation, testing, tie-in to existing, and pavement replacement. Role: Resident Engineer	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	PVC Lined Sewer Condition Assessment Phoenix, Arizona	2015	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Condition assessment of 100 miles of lined sewer and 1,152 manholes in the Phoenix system. The \$3.2 million project included video logging of pipe and sewer pipelines, locating manholes, marking and measuring depth. Role: Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Farmer Avenue Sewer and Water Lines	2015	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Design of 8,150 feet of water line and 1,450 feet of sewer line in Farmer Avenue in Tempe, Arizona. The \$110,000 project included design plans to PS&E. Role: Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Maple Ash Sewer Replacement Tempe, Arizona	2015	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Design of 4,500 feet of sewer line in the Maple Ash neighborhood in Tempe, Arizona. The \$75,000 project included design plans to PS&E. Role: Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm



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**

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

a. NAME Mark Lee	b. ROLE IN THIS CONTRACT Civil Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 19	2. WITH CURRENT FIRM 11
d. LOCATION <i>(City and State)</i> Phoenix, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS, Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS AZ PE 34588; NASSCO PACP & MACP U-803-815	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> American Public Works Association, North American Society for Trenchless Technology, American Society of Civil Engineers			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Avenida Rio Salado/Broadway Road Phoenix, Arizona	2014	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design of 1 mile of improved roadway in south Phoenix, Arizona. The \$525,000 project included design plans to PS&E. Role: Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Large Diameter Sewers Condition Assessment Phoenix, Arizona	2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Inspection and assessment of approximately 223 miles of pipe and approximately 3,500 manholes on the City of Phoenix Large Diameter Sewer System. The \$4.8 million project included the installation of vitrified clay pipe and ductile iron pipe ranging from 15 to 48 inches in diameter. Role: Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	I-40 Adamana TI Drainage Improvements Show Low, Arizona	2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design for drainage improvements to mitigate local flooding observed at the existing Adamana TI. The \$143,000 project included design plans to regrade the 30-inch culvert with a new 48-inch pipe and headwall. Role: Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Piestewa Peak Mountain Preserve Phoenix, Arizona	2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Design of site improvements for the Phoenix Mountains. The \$60,000 study includes design plans for parking infrastructure, trail access, signage, and natural, visual, and cultural resources. Role: Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Phoenix Parks and Parking Infrastructure Study	2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Assessment of the parking systems to evaluate proper improvements at the three trailheads within the City of Phoenix mountain preserves and parks: Echo Canyon, Piestewa Peak, and Pima Canyon. Role: Project Manager	<input checked="" type="checkbox"/>	Check if project performed with current firm



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

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

a. NAME Steve Mortensen	b. ROLE IN THIS CONTRACT Project Principle	c. YEARS EXPERIENCE	
		1. TOTAL 32	2. WITH CURRENT FIRM 30
d. LOCATION (<i>City and State</i>) Phoenix, Arizona			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) BS, Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS AZ PE 15285; AZ RLS 16870; NASSCO Master Trainer T-010-059	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>) American Council of Engineering Companies, American Public Works Association, Arizona Water Association, Water Environment Federation, and North American Society of Trenchless Technology			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Maple Ash Sewer Replacement Tempe, Arizona	2015	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Design of 4,500 feet of sewer line in the Maple Ash neighborhood in Tempe, Arizona. The \$75,000 project included design plans to PS&E. Role: Project Principal	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Zone 4S Integration Phoenix, Arizona	2015	2015
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Construction administration for 7,000 feet of a 12-inch water main in Phoenix, Arizona. The \$1.1 million project included installation, testing, tie-in to existing, and pavement replacement. Role: Project Principal	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	PVC Lined Sewer Condition Assessment	2015	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Condition assessment of 100 miles of lined sewer and 1,152 manholes in the Phoenix system. The \$3.2 million project included video logging of pipe and sewer pipelines, locating manholes, and marking and measuring depth. Role: Project Principal	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Aqua Fria Conservation Area Site Improvements Lake Pleasant, Arizona	2015	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Design of site improvements for the new recreation area for the Arizona Game and Fish and the Maricopa County Parks Department. The \$100,000 project included design plans to PS&E. Role: Project Principal	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Avenida Rio Salado/Broadway Road Phoenix, Arizona	2014	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Design of 1 mile of improved roadway in south Phoenix, Arizona. The \$525,000 project included design plans to PS&E. Role: Project Principal	<input checked="" type="checkbox"/>	Check if project performed with current firm



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**

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	
Avenida Rio Salado/Broadway Road Phoenix, Arizona	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Phoenix	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$7.2 Million	e. TOTAL COST OF PROJECT \$7.2 Million
-------------------------------------	---	---

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

PEC provided design plans and specifications for the reconstruction and widening of Avenida Rio Salado/Broadway Road from 43rd Avenue to 35th Avenue, including both major intersections at 43rd and 35th Avenues. The design upgraded the roadway from a two-lane to a six-lane plus raised median configuration, including bicycle lanes, curb, gutter, and detached sidewalk in accordance with City of Phoenix Standard Detail P-1010, Section B. Other improvements included removal of the entire roadway surface, regrading, paving, design of medians, sidewalks, curb, gutter, ADA ramps, driveways, frontage road, traffic signals, roadway lighting, landscaping, and earthwork design. PEC handled hydrologic and hydraulic analysis and design of a storm drain system, preparation of a drainage report, and analysis and design of the 43rd Avenue outfall to the Salt River. The federally funded project required coordination with several agencies, including the City of Phoenix, Arizona Department of Transportation (ADOT), Federal Highway Administration (FHWA), Maricopa County Department of Transportation (MCDOT), Flood Control District of Maricopa County (FCDMC), utility owners, business owners and residents. In addition, existing and new right-of-way and easement delineation exhibits and utility coordination and relocation design were goals met by PEC.



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**

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	
Zone 4S Waterline Integration Phoenix, Arizona	PROFESSIONAL SERVICES 2013	CONSTRUCTION <i>(If applicable)</i> 2014

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Phoenix	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$138,575 (Design Fee)	e. TOTAL COST OF PROJECT \$1.1 Million
-------------------------------------	--	---

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

PEC prepared the design and construction plans to install 6,477 linear feet of 12-inch ductile iron pipe (DIP) which connected the Zone 4SC Foothills Booster Pump Station 4SC-B1 at 15234 Desert Foothills Parkway to the Zone 4SD Cabrillo Canyon Booster Pump Station Zone 4SD-B1 at 15010 South 19th Way. The project included engineering design, a geotechnical investigation, public involvement, topographical surveying, utility mapping, subsurface investigations, and alignment studies. The project also involved construction of a new 12-inch diameter DIP water main to connect the Zone 4SC Foothills Booster Pump Station 4SC-B1 located at 15234 Desert Foothills Parkway to the Zone 4SD Cabrillo Canyon Booster Pump Station 4SD-B1 located at 15010 South 19th Way. These system improvements will equalize the two pressure zones, supply a loop to the existing system, provide operational flexibility for the Zone 4S water service, and provide more consistent water pressure for the end users. PEC is currently providing construction management services for this project.



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**

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> GIS Regulatory Tools Yavapai County, Arizona	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Yavapai County Flood Control District	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$240 K	e. TOTAL COST OF PROJECT \$240 K
---	---	-------------------------------------

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

PEC provided hydrologic modeling and GIS services for this Yavapai County Flood Control District project. PEC developed a county-wide GIS database for use as a regulatory tool. PEC used USGS regression equations and digital elevation models to create a GIS database that can be used to make a quick determination of stream flow rate at any given point on any stream within Yavapai County. This database provides information to help in the preliminary determination of safe elevation or setback for development as well as other stream flow regulation based on the flow rate. This is particularly helpful in areas where floodplains have not been established. To consolidate this information in the county, PEC created a GIS database that includes the survey control, the existing NGS survey monuments, and the existing county reference marks used as flood control monumentation. PEC coordinated with the county to ensure compatibility of the new hydrologic and survey database with the existing system. PEC surveyors reviewed the survey data for accuracy of the information placed in the database. Incomplete or questionable information was further investigated and updated.



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**

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	
Agua Fria Conservation Area Site Improvements Lake Pleasant, Arizona	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Arizona Game and Fish Department	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$157 K	e. TOTAL COST OF PROJECT \$157 K
--	---	-------------------------------------

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

PEC developed design plans and specifications of facilities, both public and administrative, within the Agua Fria Conservation Area. The new recreation site was developed by the Arizona Game and Fish Department and is operated by the Maricopa County Parks Department on land under the control of the U.S. Bureau of Reclamation. The project provided site improvements to the area, creating more controlled and safer public access, including lake access when lake levels allow. PEC worked with the Arizona Department of Environmental Quality (AZDEQ) to obtain permits for water, sewer, and disposal systems.



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

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) SR-89 at Verde Ranch Road Paulden, Arizona	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Arizona Department of Transportation	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$186.4 K	e. TOTAL COST OF PROJECT \$186.4 K
--	---	---------------------------------------

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

PEC provided the design plans to construct a right-turn lane for Verde Ranch Road on US-89 north of the Town of Paulden, Arizona. The Yavapai County-owned Verde Ranch Road serves residential and ranch areas while providing east access to the Verde River. A new right-turn lane at the intersection of Verde Ranch Road will facilitate the safe exit of vehicles turning right on to the county road from the higher speed of SR-89. Additional services included the design for roadside development, surveying, utility investigation, environmental clearance, materials memo, plans, and specifications.



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

6. ADDITIONAL INFORMATION

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

Project Engineering Consultants Ltd. (PEC) is an established full-service civil engineering consulting firm providing comprehensive services in preliminary environmental and engineering studies to final design and construction management and oversight. We employ staff who are committed to providing the highest quality environmental, landscape architecture, and engineering consulting services to federal, state, and local governments, and private clients. With offices in Utah, Arizona, and Nevada, PEC provides comprehensive and specialized services throughout the western United States.

PEC was founded in 1983 with the intention of providing affordable, personalized service, and projects that are timely and cost effective. Our philosophy remains the same today, and our success is evidenced by the number of repeat clients we enjoy. We treat our clients' interests as we would our own. We care about our employees, clients, and the communities we serve.

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:	95
b.	Percentage of Total Work Attributable to Non-Government Work:	5

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

Signature:

Date: December 21, 2015

Name: Michael D. Heaton

Title: Vice President