



ATTACHMENT I – General Qualifications
**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

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:	Peak Engineering, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	110 N Agassiz St
c. FIRM (OR BRANCH OFFICE) CITY:	Flagstaff
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	86001
f. YEAR ESTABLISHED:	2010
(g1). OWNERSHIP - TYPE:	Corporation
(g2). OWNERSHIP - SMALL BUSINESS STATUS:	Small Business
h. POINT OF CONTACT NAME AND TITLE:	Thomas E. Smith, Principal
i. POINT OF CONTACT TELEPHONE NUMBER:	(928) 774-4046
j. POINT OF CONTACT E-MAIL ADDRESS:	tom@peakegr.com
k. NAME OF FIRM <i>(If block 1a is a branch office):</i>	



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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	4	4
Project Manager	S	2	2
Transportation Engineer	S	1	1
Water Resources Engineer	S	1	1
Total		4	4



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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)
3	Area Master Planning	1
11	Community Facilities	3
12	Construction Management	2
11	Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	1
11	Digital Elevation and Terrain Model Development	2
8	Disability/Special Needs	2
1	Garages; Vehicles Maintenance Facilities; Parking	1
14	Highways; Streets; Airfield Paving; Parking Lots	3
16	Infrastructure	4
10	Irrigation; Drainage	1
2	LEED Accredited A/E	1
5	Outdoor Recreation	1
2	Recreation Facilities (Parks, Marina, Etc)	1
6	Sewage Collection, Treatment and Disposal	1
3	Sustainable Design	1
18	Storm Water Handling and Facilities	3
3	Specifications Writing	1
6	Traffic and Transportation Engineering	2
5	Urban Renewals; Community Development	3
6	Water Resources; Hydrology; Ground Water	2
10	Water Supply; Treatment and Distribution	1

2
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:
ADSP015-00004729

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 THOMAS E. SMITH, P.E.	b. ROLE IN THIS CONTRACT PROJECT MANAGER	c. YEARS EXPERIENCE	
		1. TOTAL 14	2. WITH CURRENT FIRM 4
d. LOCATION <i>(City and State)</i> Peak Engineering, Inc., Flagstaff, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S. Civil Engineering, Northern Arizona University		f. PROFESSIONAL TRAINING - REGISTRATIONS Arizona, Civil Engineer	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i>			

Leadership in Engineering Administration Program, 2004, ASCE American Society of Civil Engineers, American Council of Engineering Companies (ACEC)

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Kayenta Unified School District – Project Management, Kayenta, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Tom, as Project Manager, is leading a team of architects and engineers to address KUSD's on-going facility upgrades and expansions. Projects have included exterior accessible improvements, classroom renovations, mechanical system upgrades and structural evaluations.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Northern Arizona University, Center for Tennis and Aquatics, Flagstaff, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) Underway
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE NAU's Center for Tennis and Aquatics is a \$32M demolition and new construction project. Tom, as the civil engineering project manager, was responsible for site accessibility, water and sewer realignments and extensions, stormdrain handling facilities and general site planning.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> City of Flagstaff West Street & Arrowhead Avenue Improvement Project, Flagstaff, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) Phase I (2013), Phase II (2014), Phase III (2015)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The \$8M roadway improvement project includes roadway reconstruction and waterline utility replacements on West Street & Arrowhead Avenue, a mile long section of a major collector in Flagstaff. Phase 2, currently under construction, includes the design for a mini-roundabout. Tom, as Project Manager, is responsible for contract, client, and stakeholder management and overall project schedule and budget.	<input checked="" type="checkbox"/> Check if project performed with current firm	



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSPO15-00004729

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

4.	(1) TITLE AND LOCATION (<i>City and State</i>) Northern Arizona University 2014 Concrete Repairs, Flagstaff, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Peak Engineering prepared plans and specifications for campus-wide ADA improvements. Tom, as Project Manager, was responsible for code compliance and permitting, construction administration. The total project budget was approximately \$750,000.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Valle Waterline Extension and Well Design, Valle, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) On-going
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Tom, as project manager, was responsible for design and ADEQ permitting for a water development and distribution system in Valle, approximately 30 miles south of the Grand Canyon. The project cost is approximately \$25,000.	<input checked="" type="checkbox"/> Check if project performed with current firm	



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

**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 JULIE LEID, P.E., LEED AP	b. ROLE IN THIS CONTRACT PROJECT MANAGER	c. YEARS EXPERIENCE	
		1. TOTAL 12	2. WITH CURRENT FIRM 4
d. LOCATION <i>(City and State)</i> Peak Engineering, Inc., Flagstaff, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S. Civil Engineering, Montana State University		f. PROFESSIONAL TRAINING - REGISTRATIONS Arizona, Civil Engineer	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i>			

LEED AP, 2009, CSU Green Building Certificate Course, 2009, ACEC Green Infrastructure and Sustainable Communities, 2008, Leadership in Engineering Administration Program, 2010, ACEC, Ex Officio Chairperson Governing Council of USGBC – Northern Arizona Branch, 2013

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	(1) TITLE AND LOCATION <i>(City and State)</i> Town of Clarkdale Verde River Access Points Community Outreach, Clarkdale, AZ	2014	NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The Town of Clarkdale Verde River Access Points Community Outreach project included preparation of aerial and GIS maps and support for “Floating Ideas for the Verde River at Clarkdale Workshop”. The daylong workshop included keynote speakers, site visits and work-sessions. Funded by a Walton Family Foundation grant, the ultimate goal is to develop and remediate two distinct access points on the Verde River that will generate revenue for the Town. Julie assisted in planning and facilitation for the event as a consultant to Gunn Communications. The final step was to prepare concept plans based on community ideas with estimates for probable construction costs for implementation. The Town is using the exhibits and cost estimates to garner project support and secure additional funding for construction. The cost for the public outreach was \$15,000.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> City of Flagstaff West Street & Arrowhead Avenue Improvement Project, Flagstaff, AZ	2014	Phase I (2013), Phase II (2014), Phase III (2015)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The \$8M roadway improvement project includes roadway reconstruction and waterline utility replacements on West Street & Arrowhead Avenue, a mile long section of a major collector in Flagstaff. Julie, as Senior Project Engineer and Engineer of Record is responsible for leading the internal design team, public involvement workshops, coordination with sub consultants and regular client communication. Phase 2 design includes design plans for a mini roundabout.	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

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

3.	(1) TITLE AND LOCATION <i>(City and State)</i> NAIPTA Bus Maintenance and Storage Facility, Flagstaff, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) Underway
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The \$6.5M project includes expansion of the existing transit fleet for the Northern Arizona Intergovernmental Public Transit Authority. Julie, as the civil engineering project manager and engineer of record, was responsible for grading and drainage design including low impact development strategies and utility design. She worked closely with the team in the initial programming and site analysis. Work also included close coordination with the City of Flagstaff for frontage improvements and a new left turn lane in the City's right of way.		
		<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Innovation Mesa Business Incubator, Flagstaff, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) Underway
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The \$7.7M facility is designed to give small local businesses that are beyond the startup phase a place to operate and grow. The project was funded through a federal grant, the Arizona Commerce Authority, NAU and the City of Flagstaff. As the civil engineering firm of record, Peak Engineering was responsible for site grading and drainage design including low impact development strategies and utility extensions. Julie was the civil engineering project manager, engineer of record for the project and was responsible for LEED submittals under the Sustainable Sites category.		
		<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Northern Arizona University Fire & Life Safety Upgrades, Flagstaff, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Peak Engineering is providing civil engineering for water main and fire main extensions, grading and drainage design and ADA accessibility/path of travel upgrades for NAU's fire and life safety renovations. The project includes five student and family housing complexes found to be deficient and in need of immediate repair. Peak Engineering joined a multi-disciplinary team to address all facets of the renovation. Starting in October 2013, the ~\$10M project is on a very fast-track schedule; phase 1 construction documents were completed in March 2014 for permitting and construction was completed in August 2014, phase 2 construction documents were submitted in June 2014 and construction is scheduled to begin in Spring 2015.		
		<input checked="" type="checkbox"/> Check if project performed with current firm	



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729**

**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 CALEB LANTING, P.E.	b. ROLE IN THIS CONTRACT PROJECT ENGINEER	c. YEARS EXPERIENCE	
		1. TOTAL 12	2. WITH CURRENT FIRM 3
d. LOCATION <i>(City and State)</i> Peak Engineering, Inc., Flagstaff, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S. Civil Engineering, Northern Arizona University		f. PROFESSIONAL TRAINING - REGISTRATIONS Arizona, Civil Engineer	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i>			

ACEC Leadership in Engineering Administration Program (LEAP), 2006

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	City of Holbrook – On-call Engineer, Holbrook, AZ	2014	NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Caleb is the primary point of contact for the City of Holbrook. He works directly with the City Manager to provide engineering insight and direction on City projects. He assists City staff by providing technical support for grant applications and coordinates the City's interests with ADOT on projects within the City Limits. Caleb has provided services to the City of Holbrook for over 6 years.		<input checked="" type="checkbox"/> Check if project performed with current firm
2.	City of Flagstaff West Street & Arrowhead Avenue Improvement Project, Flagstaff, AZ	2014	Phase I (2013), Phase II (2014), Phase III (2015)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE The \$8M roadway improvement project includes roadway reconstruction and waterline utility replacements on West Street & Arrowhead Avenue, a mile long section of a major collector in Flagstaff. Caleb, as Project Engineer, is responsible for the internal design team schedule, managing plan production and tracking the technical details of the project for roadway and grading and intersection design.		<input checked="" type="checkbox"/> Check if project performed with current firm
3.	Northern Arizona University, Center for Aquatic and Tennis, Flagstaff, AZ	2014	Underway
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE NAU's Center for Tennis and Aquatics is a \$32M demolition and new construction project. Caleb, as project engineer, was responsible for design details, coordination with the site architect, detailing the site accessibility plan, water and sewer realignments and extensions, and stormwater calculations and final design.		<input checked="" type="checkbox"/> Check if project performed with current firm



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

4.	(1) TITLE AND LOCATION <i>(City and State)</i> Northern Arizona University, 2014 Concrete Replacements, Flagstaff, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Caleb was project engineer for NAU's annual on-call engineering services for sidewalk replacements throughout campus. His work included ADA compliance evaluation and design, programming, bidding and construction phase services.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Tractor Supply Center, Flagstaff, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Flagstaff's newest equipment retailer, Tractor Supply Center, is an infill and redevelopment project in an historic part of town. The lot was previously used by an auto sales company and included two collapsed structures and a large deteriorated parking lot. Peak Engineering worked directly with the development group to obtain City approval of the concept, site, civil improvements and rough grading. Caleb was responsible for the civil design elements included coordination with ADOT for right of way dedication and edge improvements on historic Route 66 and implementation of Low Impact Design (LID) strategies. One of the biggest drainage design challenges was determining the condition and alignment of existing stormdrain facilities crossing the site; located at the low point of a significant drainage area, the existing facilities required detailed hydraulic analyses and ultimately upsizing and realignment.	<input checked="" type="checkbox"/> Check if project performed with current firm	



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

PROJECT 1 OF 5

a. TITLE AND LOCATION <i>(City and State)</i> Sedona Uptown Pedestrian Improvements Public Involvement & Pedestrian Access Project, Sedona, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2013-2014	CONSTRUCTION <i>(If applicable)</i> Scheduled for 2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Karen Daines, Assistant City Manager City of Sedona	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$1.1M Total Project Budget	e. TOTAL COST OF PROJECT TBD
--	---	---------------------------------

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

The City of Sedona Uptown Pedestrian Improvements included community outreach, concept development and estimating for development of pedestrian facilities in Uptown Sedona. The project goal is to provide safe, ADA compliant and pleasing pedestrian connections from public parking areas to shopping and dining. Peak Engineering's tasks included preparation of presentation material using aerial imagery and GIS data, facilitating community forums for business owners, development of sound engineering concepts based on suggestions and feedback, and budgeting for potential grant funding and partnering opportunities.

The City recently selected Peak Engineering to prepare construction documents for the proposed improvements. As team leader, Peak Engineering is contracting with an architect, structural engineer, MP&E engineers and a geotechnical engineer to deliver schematic design renderings, design development documents and construction documents.



Scope Elements:

- Area Planning
- Community Facilities
- Estimating
- ADA Access
- Stormwater Facilities

View from parking area - perspective view
Sedona - Upper Main Walkway - 3D Model images





ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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
PROJECT 2 OF 5

a. TITLE AND LOCATION <i>(City and State)</i> Innovation Mesa Business Accelerator, Flagstaff, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> Commencing 2014

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER James Duval, Sr. Project Manager City of Flagstaff	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$6.2M Construction	e. TOTAL COST OF PROJECT TBD
---	---	---------------------------------

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

Funded through a US Dept. of Commerce grant and a partnership between the City of Flagstaff, NAU and the Northern Arizona Center for Entrepreneurship and Technologies, the Innovation Mesa Business Accelerator will provide the next step for start-up businesses leaving the adjacent business incubator.

Construction is underway and Peak Engineering provided the civil engineering and design for the ~9 acre development. Our scope of work included retrofit of an existing lift station, design of a force main, design of a water main extension, ADEQ permitting, ADA improvements, site grading and drainage, PCCP and ACP parking and drive lanes, low impact development basins, including a demonstration space, an erosion control plan, hydrologic and hydraulic analyses, and LEED Certification support.

We worked closely with the design team to balance earthwork and coordinated early potholing activities to identify rock outcrops and areas of unsuitable soils. We then balanced the site and recommended finished floor elevations and alternate drainage and utility infrastructure alignments to avoid conflicts and potentially costly excavation of rock.



Scope Elements:

- Community Facilities
- Site Circulation
- Water & Sewer Infrastructure (including a lift station)
- Estimating
- ADA Access
- Stormwater Facilities
- LEED Certification Support



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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
PROJECT 3 OF 5

a. TITLE AND LOCATION <i>(City and State)</i> West Street & Arrowhead Avenue Improvements, Flagstaff, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES Phase 1: 2012, Phase 2: 2013 Phase 3: Underway	CONSTRUCTION <i>(If applicable)</i> Phase 1: 2012, Phase 2: 2013, Phase 3: Scheduled for Fall 2014

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Christine Cameron, Capital Improvements Project Manager - City of Flagstaff	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT ~\$7.5M	e. TOTAL COST OF PROJECT TBD
---	---	---------------------------------

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

The project includes full roadway reconstruction, the addition of sidewalk, storm drain, and curb and gutter along West Street & Arrowhead Avenue, a mile long section of a major collector in Flagstaff's historic Sunnyside neighborhood. Utility improvements include a new water main, sewer manhole replacements and the addition of upgraded street lighting to meet current lighting standards. Phase 1 Design and construction is complete. Phase 2 design is complete and included the design for a mini-roundabout and coordination with ADOT at the intersection of Arrowhead and Route 66. Construction is approximately half-complete with completion expected in Summer 2015.

The new sidewalk and parkway will improve safety for pedestrians and the corridor landscaping will provide for aesthetic improvements in the mixed residential and business area. The new stormdrain system, concrete driveways and curb and gutter will minimize stormwater run-off for residents, which has been a significant problem for many years.

Peak Engineering is the prime consultant and led a multi-disciplined team including supporting civil and transportation engineers. Peak Engineering is providing civil engineering in-house for grading, roadway, intersection design and ADA ramps and waterline design. Peak Engineering was also responsible for organizing and presenting the design concept at two public open houses.

The new roadway design generally lowered the road profile to accommodate drainage; the resulting driveway match-ups required coordination with property owners to minimize impact. Peak Engineering developed 13 intersection grading and match-up designs for the cross streets to provide for smooth transitions to existing pavement conditions. Peak Engineering worked with the City of Flagstaff to develop solutions for parcels impacted beyond the right of way.



Scope Elements:

Community Facilities –
Redevelopment Project

Public Outreach

Street Improvements

Mini-Roundabout

Water & Sewer Infrastructure

Estimating



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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
PROJECT 4 OF 5

a. TITLE AND LOCATION <i>(City and State)</i> NAU 2014 Concrete, Northern Arizona University, Flagstaff, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> Underway

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER Agnes Drogi, Director of Construction, Northern Arizona University	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Not Available	e. TOTAL COST OF PROJECT Not Available
---	---	---

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

Peak Engineering is providing civil engineering for water main and fire main extensions, grading and drainage design and ADA accessibility/path of travel upgrades for NAU's fire and life safety renovations. The project includes five student and family housing complexes found to be deficient and in need of immediate repair.

Peak Engineering joined a multi-disciplinary team to address all facets of the renovation. Starting in October 2013, the ~\$10M project is on a very fast-track schedule; phase 1 construction documents were completed in March for permitting and construction was completed in August 2014. Phase 2 construction documents were submitted in September 2014 and scheduled for construction summer of 2015.

In addition to design, Peak Engineering provided construction phase services for phase 1 (15 of the 24 buildings).

The project is challenging not only because of the fast-track schedule but the age and condition of existing facilities. Peak Engineering coordinated early potholing to determine size, location and condition of proposed connection points and also performed an exhaustive review of NAU's archives for projects in the areas of the proposed work to collect and assemble a comprehensive design background. The project has been a testament to teamwork given the complexity and breadth of skills needed to complete such a diverse project.



- Scope Elements:
- Street Improvements
 - Grading & Drainage Design
 - Fire Line Design
 - Water Main Extensions
 - ADA Accessibility



ATTACHMENT I – General Qualifications
ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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
PROJECT 5 OF 5

a. TITLE AND LOCATION <i>(City and State)</i> NAIPTA Bus Storage and Wash Facility, Flagstaff, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> Underway

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Erika Mazza, Development Director, NAIPTA	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$6.5M	e. TOTAL COST OF PROJECT \$6.5M
--	--	------------------------------------

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

Construction is underway for NAIPTA's (Northern Arizona Intergovernmental Public Transportation Authority) new bus storage and wash facility. Peak Engineering was responsible for design of an on-site water main extension, grading, drainage and paving design, an erosion control plan, and coordination of easement dedications for utilities and drainage infrastructure.

Project challenges included preservation of tree resources, designing for significant pass-through drainage including a major drainage channel, and implementation of Low Impact Design strategies on a constrained and awkward shaped parcel.

To maintain the connection to the Phase 1 improvements for ADA accessibility and bus maneuverability, we called for lowering the existing grade nearly nine feet and we worked closely with the design-build team to balance costs of earthwork and retaining walls.

To achieve stormwater attenuation we designed a series of shallow, above-ground basins that also provide first flush treatment. Work included improvements (left turn lane, bike lane, curb, gutter and sidewalk) to Kaspar Drive, a City owned and maintained road.



Scope Elements:

- Street Improvements
- Grading & Drainage Design
- Low Impact Development – Resource Protection
- Water Main Extension
- ADA Accessibility
- Site Circulation



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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)

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:	85
b.	Percentage of Total Work Attributable to Non-Government Work:	15

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

Signature: Thomas E. Smith

Date: 30-DEC-2014

Name: Thomas E. Smith, P.E. Title: Principal