



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

STATE PROCUREMENT OFFICE  
Department of Administration  
100 North 15<sup>th</sup> 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:	Schneider Structural Engineers
b. FIRM (OR BRANCH OFFICE) STREET:	2980 N. Campbell Avenue, Suite 130
c. FIRM (OR BRANCH OFFICE) CITY:	Tucson
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85719
f. YEAR ESTABLISHED:	1999
(g1). OWNERSHIP - TYPE:	Corporation (S Corp)
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Yes
h. POINT OF CONTACT NAME AND TITLE:	Ron Schneider, Principal
i. POINT OF CONTACT TELEPHONE NUMBER:	520-512-8133
j. POINT OF CONTACT E-MAIL ADDRESS:	rschneider@sastructural.com
k. NAME OF FIRM (If block 1a is a branch office):	





ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
ADSP015-00004729

STATE PROCUREMENT OFFICE  
Department of Administration  
100 North 15<sup>th</sup> 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	Animal Facilities	1
1	Auditoriums and Theaters	1
3	Barracks; Dormitories	1
53	Commercial Building ( <i>Low Rise</i> ); Shopping Centers	1
7	Community Facilities	1
1	Computer Facilities	1
11	Dining Halls; Clubs; Restaurants	1
3	Garages; Vehicles Maintenance Facilities; Parking	1
11	Educational Facilities; Classrooms	1
4	Forensic Engineering	1
14	Hospital and Medical Facilities	2
2	Hotels; Motels	1
105	Housing (Residential, Multi-Family; Apartments; Condominiums)	2
33	Industrial Buildings; Manufacturing Plants	2
5	Laboratories; Medical Research Facilities	1
1	Libraries; Museums; Galleries	1
21	Office Buildings; Industrial Parks	1
484	Solar Energy Utilization	3
1	Prisons & Correctional Facilities	1
9	Recreation Facilities ( <i>Parks, Marinas, Etc.</i> )	1
6	Rehabilitation ( <i>Buildings; Structures; Facilities</i> )	1
3	Research Facilities	1
1	Seismic Designs and Studies	1
1	Special Environments; Clean Rooms, Etc.	1
106	Structural Design; Special Structures	2
1	Testing and Inspection Services	1



**ATTACHMENT I – General Qualifications**

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
ADSPO15-00004729**

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

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 15<sup>th</sup> Avenue, Suite 201  
Phoenix, Arizona 85007**

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

a. NAME Ron Schneider, PE	b. ROLE IN THIS CONTRACT Principal Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 24	2. WITH CURRENT FIRM 15
d. LOCATION <i>(City and State)</i> Tucson, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor's Degree Architectural Engineering California Polytechnic State University		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Structural Engineer in Arizona No. 27349 Registered Structural Engineer in Utah Registered Civil and Structural Engineer in California and Nevada	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Mr. Schneider holds a council record with the NCEES and is the former President of the Structural Engineers Association of Arizona. He is also a member of PCI, ASCE, and sits on ASCE's Forensic Engineering Committee for Practices to Reduce Failures.			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> City of Tucson On-Call Engineering Services - Tucson, AZ	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provide structural engineering, reports, studies, investigations CAD services and Construction Administration for the City on an as-needed basis. Principal Engineer	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Pima Emergency Communications & Operations Center – Tucson, AZ	(2) YEAR COMPLETED	
		Professional Services 2011	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Designed renovation of a cast-in-place concrete building that was brought up to code for "essential facilities" with an addition engineered to be blast resistant by strengthening the existing structure with a roof diaphragm of lightweight concrete, reinforced masonry shear-walls and retrofitted pre-cast concrete tees. Principal Engineer	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Honeywell Aerospace On-Call Services – Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE As-needed structural engineering. Principal Engineer	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> City of Tucson Bus Shelter Design – Tucson, Arizona	(2) YEAR COMPLETED	
		Professional Services 2011	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided structural engineering for the design of two prototype bus shelters designs to be identically revised as needed in Pima County. Principal Engineer	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Raytheon Building 809 Modifications	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided structural engineering, CAD servies, structural observation and construction administration for the design to provide detailing for infill of floor openings as well as new floor and roof openings. Also reviewed building bracing members for possible relocation. Principal Engineer	<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 15<sup>th</sup> 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> City of Tucson Police Crime Lab LEED project - Tucson, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i> 2011

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER City of Tucson	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$28 million	e. TOTAL COST OF PROJECT \$23.3 Million
------------------------------------	--	--

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

City of Tucson Crime Lab, new two-story full-service forensic laboratory incorporates the latest in technologies, including a DNA Lab. The two-story structure features a large atrium between the lab side and the office side. All the labs are on the north side of the building to take advantage of the indirect natural lighting and they are grouped to provide a more efficient layout of the lab exhaust and the emergency power systems. The lab is designed to meet strict vibration criteria and its floor is isolated from the office floor. The 60,000-square-foot facility is adjacent to the Westside police station, which Schneider Structural also engineered.





ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
ADSP015-00004729

STATE PROCUREMENT OFFICE  
Department of Administration  
100 North 15<sup>th</sup> 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> Regional Optimization Master Plan (ROMP) – Tucson, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> 2013

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Pima County	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$11 million	e. TOTAL COST OF PROJECT
---------------------------------	--	--------------------------

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

Provide structural engineering, CAD services, and Construction Administration for the design of this 40,000sf lab facility.





ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
ADSP015-00004729

STATE PROCUREMENT OFFICE  
Department of Administration  
100 North 15<sup>th</sup> 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	
City of Eloy Re-Roofing Project Phase I & II – Eloy, Arizona	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i> 2012

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Eloy	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$100,000	e. TOTAL COST OF PROJECT \$271,298.90
----------------------------------	---	--

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

Phase 1: Provided structural engineering, preliminary review of roofs to determine complete scope of work for the design of repair, upgrades and re-roofing of 2 to 3 different buildings.

Phase 2: Final structural assessment of roof structure for these buildings include finance, City Hall, courts, PD and Troy Thomas. Due to issues observed in Phase 1 the project primarily focused on repair of the Troy Thomas building.



**ATTACHMENT I – General Qualifications**

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

**STATE PROCUREMENT OFFICE  
Department of Administration  
100 North 15<sup>th</sup> 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.)*

<p>a. TITLE AND LOCATION <i>(City and State)</i> Northern Arizona University Applied Research &amp; Development - Flagstaff, AZ</p>	<p>b. YEAR COMPLETED</p> <table border="1"> <tr> <td data-bbox="980 516 1250 592">PROFESSIONAL SERVICES 2006</td> <td data-bbox="1250 516 1554 592">CONSTRUCTION <i>(If applicable)</i> 2007</td> </tr> </table>		PROFESSIONAL SERVICES 2006	CONSTRUCTION <i>(If applicable)</i> 2007
PROFESSIONAL SERVICES 2006	CONSTRUCTION <i>(If applicable)</i> 2007			

**23. PROJECT OWNER'S INFORMATION**

<p>c. PROJECT OWNER Northern Arizona University</p>	<p>d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$25.5 Million</p>	<p>e. TOTAL COST OF PROJECT \$22 Million</p>
---	--	--

Design and Construction Administration for a three-story 70,000-sf facility which incorporates numerous earth-friendly design innovations. Platinum LEED certified 70,000sf office/laboratory facility. The Applied Research and Development facility at NAU consists of a three-story cast in place concrete building with a steel frame penthouse.





ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
ADSPO15-00004729

STATE PROCUREMENT OFFICE  
Department of Administration  
100 North 15<sup>th</sup> 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)	b. YEAR COMPLETED	
Depot Plaza - Tucson, AZ	PROFESSIONAL SERVICES 2006	CONSTRUCTION (If applicable) 2010

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Tucson	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$20 million	e. TOTAL COST OF PROJECT
------------------------------------	--	--------------------------

A 6-story residential tower with a future 6-8-story mixed-used tower all built over the garage, which extended beyond the footprint of the building and under the street. The parking garage is a two-story, below-grade, parking garage.



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
ADSP015-00004729

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

6. ADDITIONAL INFORMATION

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

### Experience of Firm

Schneider thrives on challenging projects. We research industry advancements, explore unconventional solutions and apply our unique expertise. This experienced team collaborates to create designs that achieve the architect’s vision, reduce construction costs and meet client needs. Schneider currently provides on-call engineering services for the City of Phoenix, City of Tucson, and the City of Eloy.

Our thorough understanding of the A/E/C and construction professions allows us to collaborate with the entire design/construction team to ensure that projects meet time and budget requirements.

### Experience Equals Results

Schneider’s cost effective engineering earned platinum LEED certification for a Northern Arizona University research facility. Innovations included reducing the building’s carbon footprint 40 percent by lowering the concrete content and introducing fly ash, a by-product of coal burning.

When construction costs soared, Schneider re-engineered the Holiday Inn Phoenix using an innovative combination of concrete first floor and wood-framed upper floors. This solution brought the project within budget and allowed the client to build on schedule.

### Schneider Structural Engineers - Forensic Engineering Division

We point out solutions, not just problems. Schneider also provides loss prevention programs in the form of ‘in-depth’ engineering assessments of possible hazards. We provide the insurance claims industry, legal and other client representatives with a single source of contact for expertise and information relating to the fair and expeditious processing of loss recovery investigation.

#### Planning

- Structural Systems Evaluation
- Preliminary Structural Design
- Structural Prototype Design
- Material & Cost Estimating
- Feasibility Studies
- Value Engineering

#### Design

- Structural Design & Analysis
- Cast-in-Place Concrete
- Heavy & Industrial Steel
- Wood Timber
- Panelized Wood
- Prefabricated Building Systems
- Light Gauge Steel
- Precast & Post-Tensioned Concrete
- Building Rehabilitation

#### Design Continued

- Site Adaptation of Structural Prototypes
- CADD Using AutoCAD 2011 3-D and Revit Structure
- Static & Dynamic Analysis Using ETABS & RISA-3D and RAM
- Peer Review

#### Construction

- Special Structural Inspections
- Construction Administration
- Construction Observations & Reports

#### Investigation

- Strengthening of Existing Structures
- Evaluation & Rehabilitation
- Condition Survey
- Failure Analysis



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:  
ADSPO15-00004729

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

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:	4%
b. Percentage of Total Work Attributable to Non-Government Work:	96%

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

Signature: 

Date: 12/22/14

Name: Ronald H. Schneider, PE

Title: Principal Engineer