



**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:	Engineering and Environmental Consultants, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	7740 N. 16 <sup>th</sup> St, Suite 135
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	AZ
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85020
f. YEAR ESTABLISHED:	1997
(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Arizona Small Business (<100 employees)
h. POINT OF CONTACT NAME AND TITLE:	Ray Montoya, PE, President
i. POINT OF CONTACT TELEPHONE NUMBER:	602-248-7702
j. POINT OF CONTACT E-MAIL ADDRESS:	RMontoya@eecorp.com
k. NAME OF FIRM (If block 1a is a branch office):	Engineering and Environmental Consultants, Inc.



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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
CADD Technician	P	6	3
Civil Engineer	P (S)	6(8)	3
Construction Inspector	(S)	(2)	(1)
Environmental Engineer	P	2	1
Environmental Scientist	P (S)	4(3)	1(3)
Geodetic Surveyor	P (S)	4(1)	-
Geologist	P	1	1
Hydraulic Engineer	(S)	(1)	-
Hydrologist	P	1	-
Project Manager	P (S)	6 (4)	3 (1)
Sanitary Engineer	P	1	
Transportation Engineer	P (S)	5 (1)	0 (1)
Water Resources Engineer	P	4	1
<b>Total</b>		40 (20)	13 (6)



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**3. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST YEAR**

a. Approximate No. of Projects	b. Experience	c. Revenue Index Number (see below)
31	Community Facilities	4
1	Construction Management	1
12	Highways, Streets; Airfield Paving; Parking Lots	5
1	Irrigation; Drainage	3
18	Land Surveying	4
50	Phase I Environmental	1
1	Recreational Facilities (Parks, Marinas, Etc)	1
2	Sewage Collection, Treatment and Disposal	2
4	Storm water Handling and Facilities	4
26	Topographic Surveying and Mapping	3
7	Water Resources; Hydrology; Ground Water	2
6	Water Supply; Treatment and Distribution	3
1	Waste Water Treatment Facility	1
2	Water Well Rehabilitation; Water Well Work	2
32	Landfill	4

**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.)*

<b>a. NAME</b> <b>Ray P. Montoya, PE</b>	<b>b. ROLE IN THIS CONTRACT</b> <b>Water/Wastewater, Project Manager</b>	<b>c. YEARS EXPERIENCE</b>	
		<b>1. TOTAL</b> 16	<b>2. WITH CURRENT FIRM</b> 1
<b>d. LOCATION (City and State)</b> Engineering and Environmental Consultants, Inc. 4625 E. Fort Lowell Road, Tucson, AZ 85712			
<b>e. EDUCATION (DEGREE AND SPECIALIZATION)</b> B.S., Civil Engineering		<b>f. PROFESSIONAL TRAINING - REGISTRATIONS</b> Professional Engineer (Civil), Arizona, 1998, #38413	
<b>g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)</b> <ul style="list-style-type: none"> <li>• Society of American Military Engineers</li> <li>• American Society of Civil Engineers, Member</li> <li>• Construction Management Association of America</li> <li>• Arizona Water Association, Member</li> </ul>			

**H. RELEVANT PROJECTS**

<b>1.</b>	<b>(1) TITLE AND LOCATION (City and State)</b> <b>Metropolitan Domestic Water Improvement District On-Call Transmission Main Design Services, Tucson, Arizona</b>	<b>(2) YEAR COMPLETED</b>	
		Professional Services Current	Construction (if applicable) N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Project Manager providing on-call engineering services including water system design, transmission main design, municipal well system design, booster pump design, storage tank/reservoir design, and route studies. Projects included Freer Road/Camino del Sur Waterline Interconnection Upgrades and Improvements; Diablo Village Water Plant Foundation Design and Electrical Inspection; and Magee Trail New Domestic Water Well Layout and Design.	<input checked="" type="checkbox"/>	Check if project performed with current firm
<b>2.</b>	<b>(1) TITLE AND LOCATION (City and State)</b> <b>Oro Valley Water Utility On-Call, Oro Valley, Arizona</b>	<b>(2) YEAR COMPLETED</b>	
		Professional Services Current	Construction (if applicable) N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Project Manager for on-call civil design services for the Town of Oro Valley. Projects included engineering design for the Tucson Water/CAP Interconnection Site; the Campo Bello 8-inch and 12-inch water line replacement; and PRV modifications for Big Horn Butte Drive, Linda Vista and La Canada Boulevard.	<input checked="" type="checkbox"/>	Check if project performed with current firm
<b>3.</b>	<b>(1) TITLE AND LOCATION (City and State)</b> <b>Avra Valley Wastewater Treatment Facility, Pima County, Arizona</b>	<b>(2) YEAR COMPLETED</b>	
		Professional Services 2009	Construction (if applicable) N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Project Civil Engineer responsible for portions of the upgrade and expansion to the Avra Valley Wastewater Treatment BNROD Facility. The existing facility was designed for a 1.2 MGD dry weather flow and consists of an influent pump station and self-cleaning bar screen; a reinforced concrete equalization basin; an emergency influent storage basin; a biological nutrient removal oxidation ditch; and two clarifiers.	<input type="checkbox"/>	Check if project performed with current firm
<b>4.</b>	<b>(1) TITLE AND LOCATION (City and State)</b> <b>Corona de Tucson Wastewater Treatment Plant, Tucson, Arizona</b>	<b>(2) YEAR COMPLETED</b>	
		Professional Services 2007	Construction (if applicable) N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Project Civil Engineer for completion of an initial Facility Plan and Basin Study for this increasingly rapidly growing outlying treatment area, resulting in the design and upgrade of the existing wastewater treatment facility. Improvements included the addition of circular concrete clarifiers, sludge handling facilities, operation and laboratory facilities, and associated control and electrical upgrades.	<input type="checkbox"/>	Check if project performed with current firm
<b>5.</b>	<b>(1) TITLE AND LOCATION (City and State)</b> <b>City of Phoenix 91<sup>st</sup> Avenue Digester Rehabilitation, Phoenix, Arizona</b>	<b>(2) YEAR COMPLETED</b>	
		Professional Services 2007	Construction (if applicable) N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> Project Civil Engineer for design and construction of new fixed steel digester domes at the 91 <sup>st</sup> Avenue Wastewater Treatment Plant. The project included initial structural evaluations of existing concrete walls and surfaces, digester gas management improvements, heating and mixing efficiency improvements, and exterior safety upgrades.	<input 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 <b>Craig Allison, PE, RLS</b>	b. ROLE IN THIS CONTRACT <b>Transportation Engineer, Project Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL 30	2. WITH CURRENT FIRM 18
d. LOCATION <i>(City and State)</i> Engineering and Environmental Consultants, Inc. 4625 E. Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> • M.B.A. • B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS • Professional Engineer (Civil), Arizona, 1981, #13900 • Registered Land Surveyor, Arizona, 1984, #16486	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i>			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Sahuarita Road Phase II, La Villita to Country Club Road, Sahuarita, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Project Manager. Design of 5 miles of 4-lane divided arterial road reconstruction including a new Santa Cruz River bridge, two at-grade railroad crossings, a signalized intersection, raised landscaped medians, curb, gutter, and sidewalk. Construction is through the CM at Risk delivery mechanism with an approximate total cost of \$42 million.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Davis Road, Central Highway to US 191, Cochise County, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Project Manager. Design of 2 miles of 2-lane rural road reconstruction including environmental clearance in compliance with NEPA requirements. Construction will be administered by ADOT for this federally-funded project with an approximate total cost of \$6.5 million.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>US 83, North of Parker Canyon Lake to Canelo, Santa Cruz County, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Project Manager. Design of 2 miles of 2-lane rural road reconstruction including environmental clearance in compliance with NEPA requirements. Construction will be administered by ADOT for this road rehabilitation project with an approximate total cost of \$1.2 million.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>I-10 Mainline Widening, Jct. I-8 to SR 87, Pinal County, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Project Manager. Design of 11 miles of 6-lane interstate freeway widening including two Santa Rosa Canal bridges, 45 culvert extensions, 11 ramp conversions from taper to parallel type geometry, work zone traffic control, signing, marking, erosion control, and as-built plans. Construction was administered by ADOT with a total cost of \$31 million.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Battaglia Road Westbound Left Turn Lane, Pinal County, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Design of 0.5 miles of 2-lane rural roadway to provide new left turn access and correct a congestion and safety issue, including grading and pavement widening, signing, marking, and guard rail to avoid utility conflicts. Construction will be administered by Pinal County with an approximate total cost of \$250,000	<input checked="" type="checkbox"/> Check if project performed with current firm	

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a. NAME <b>William B. Carroll, PE</b>	b. ROLE IN THIS CONTRACT <b>Civil Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 38	2. WITH CURRENT FIRM 10

d. LOCATION (*City and State*)  
 Engineering and Environmental Consultants, Inc.  
 4625 E. Fort Lowell Road, Tucson, AZ 85712

e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) B.S., Civil Engineering	f. PROFESSIONAL TRAINING - REGISTRATIONS <ul style="list-style-type: none"> <li>• Professional Engineer (Civil), Arizona, 1981, #13478</li> <li>• Professional Engineer (Civil), New Mexico, 1988, #10439</li> </ul>
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g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)

<ul style="list-style-type: none"> <li>• ACEC, Member</li> <li>• MPA, Exec. Comm. Member &amp; Past President</li> <li>• Imagine Greater Tucson Regional Leadership Council, Member</li> <li>• AAED, Member</li> </ul>	<ul style="list-style-type: none"> <li>• PAG Regional Transportation Authority Technical Management Committeer</li> <li>• Tucson Real Estate Advisory Council, Chair</li> <li>• ULI, Member</li> <li>• Certified Commercial Investment Member</li> </ul>
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**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Rita Falcon Project – Target Fulfillment Center, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/>	Check if project performed with current firm
	Designed and prepared development plans and construction documents for the 133 acre Rita Falcon Project, otherwise referred to as the Target Fulfillment Center. Provided site design and platting design services as well as managed other professional services that were administered including landscape architecture; storm water pollution prevention plan and monitoring; traffic impact analysis; street lighting and signalized intersection design		

2.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Sierra Vista Apartments, Sierra Vista, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2004	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/>	Check if project performed with current firm
	Performed site design work for a 220-unit apartment complex (18 buildings) on 10.1 acres, in Sierra Vista, Arizona. Work included FEMA map amendments, roadway studies and improvements on two ADOT controlled state highways, grading to ADA criteria and HUD financing. Right-of-way abandonment and all utilities were included as well as offsite sewer line augmentation.		

3.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Involta Data Center, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/>	Check if project performed with current firm
	Provided engineering for the redevelopment of a 40,000 s.f. industrial building on 4.5 acres in Tucson. The building had been previously used in the manufacturing of glass panels but was converted to a high-security colocation data center. Also prepared a site development plan and associated grading/drainage plans to allow permitting.		

4.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Soldier Creek Business Park, Sierra Vista, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2003	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/>	Check if project performed with current firm
	Provided site planning and engineering for this 63,000 s.f. office/industrial project on 5.9 acres near the main gate of Ft. Huachuca. Approximately 75% of the site was in the FEMA floodplain. The project design raised the site to allow construction of the facility while keeping Soldier Creek within allowable flow characteristics.		

5.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>University Medical Center Cancer Treatment Center Design</b>	(2) YEAR COMPLETED	
		Professional Services 2005	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/>	Check if project performed with current firm
	Provided surveying services for the renovation of the Tucson General Hospital facility located on Campbell Avenue in Tucson. The project was a design-build project that included the concurrent approval of a planned area development rezoning along with a site plan prior to any engineering design.		



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a. NAME <b>Carrie C. Côté, PE</b>	b. ROLE IN THIS CONTRACT <b>Civil Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 19	2. WITH CURRENT FIRM 9

d. LOCATION *(City and State)*  
 Engineering and Environmental Consultants, Inc.  
 7740 North 16<sup>th</sup> Street, Suite 135, Phoenix, AZ 85020

e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Civil Engineering	f. PROFESSIONAL TRAINING – REGISTRATIONS <ul style="list-style-type: none"> <li>Professional Engineer (Civil), Arizona, 1995, (#28832)</li> <li>Mine Safety &amp; Health Administration (MSHA) Above Ground Certification</li> </ul>
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g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*  

- Arizona Water Association – Awards Committee Member
- American Public Works Association – Government Affairs Committee Member
- Mine Safety & Health Administration – Above Ground Certification

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>ASARCO – Ray Seepage Collection System, Kearny, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <p>Project Manager and Construction Administration for installation of approximately 1700 LF seepage collection system. Project included preparing design plans to meet Best Available Demonstrated Control Technology and prepare permit documents for permit submittal to Arizona Department of Environmental Quality. Task also included Construction Administration, Site Inspections and materials QA/QC during the Construction Phase. (Engineering/Permitting/CA: \$146,500; Construction: \$550,000)</p>	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Buckskin Sanitary District – New North WWTP Pre-Design, Parker, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <p>Project Manager for the New North WWTP Pre-Design Phase. Assisting the District in locating a new 0.4 MGD wastewater treatment plant in the north section of the service area. EEC reviewed the site suitability for engineering and permitting limitations and provided preliminary facilities layout, review of environmental permitting requirements, flood zone location, well data and groundwater information, provided preliminary project design/permitting/construction schedule, and evaluated effluent disposal alternatives and associated cost and permit requirements. (Engineering: \$53,500)</p>	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>City of Phoenix – Downtown Storm Drain Improvements, Phoenix, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) Current
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <p>Project Manager for design of approx. 15,500 LF of storm drain piping for downtown Phoenix. New storm drain segments were designed to alleviate the flooding and ponding issues City was experiencing and to meet the 10-year storm event. Additional tasks included extensive utility locating and research and coordinating with utility companies due to utility conflicts. The project also included paving improvements to approximately 1 mile of Jefferson Street, dry-well removal and sampling and closure. (Engineering: \$1.8M)</p>	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Reclaimed Transmission Main (In-Fill), Chandler, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <p>Project Manager and Construction Administration preparing design plans to extend and loop the reclaimed water system to provide for better service flow and pressures. The design included utility research and coordination with utility companies and working with the City operational staff to develop alignment, connection points and valves. Provided construction administration. (Engineering: \$123,900)</p>	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Ocotillo Water Reclamation Facility – Maintenance and Operational Improvements Phase 1 and Phase 2, Chandler, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2011	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <p>Project Manager and Construction Administration for Upgrade of Facilities at the OWRF including replacement of grit classifiers, replacement of influent pump and VFD, aeration header replacement and rerouting, clarifier tank rehabilitation, steel shade structure, chlorine contact tank rehabilitation, site grading and repaving, administration building upgrades, HVAC upgrades, and signage upgrades. Included Construction Administration and Assistance for Phase 1 construction.</p>	<input checked="" type="checkbox"/>	Check if project performed with current firm



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a. NAME <b>James “Jake” Griffin, PE</b>	b. ROLE IN THIS CONTRACT <b>Civil Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 29	2. WITH CURRENT FIRM 1
d. LOCATION <i>(City and State)</i> Engineering and Environmental Consultants, Inc. 7740 North 16 <sup>th</sup> Street, Suite 135, Phoenix, AZ 85020			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS • Professional Engineer (Civil), Arizona, 1997, #31682 • Civil Engineering Self-Certification (City of Phoenix)	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> • Arizona Association for Economic Development • Valley Partnership			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Xavier College Preparatory, Phoenix, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Provided civil design services for a 7.1 acre expansion project to the existing school. Civil design services included a final plat; topographic surveying; master offsite drainage report; onsite drainage report; grading and drainage plans; SWPPP and private water, sewer and fireline plans. This project incorporated 500,000 cf of StormTech underground retention below the new Xavier sports fields.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>St. Francis Church, Phoenix, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Services provided to this 6.5 acre site is located within the heart of Central Phoenix for this multi-phase project on a landmark church included onsite grading and drainage plans; SWPPP; private water, sewer and fireline plans and an onsite drainage report. This project incorporated 75,000 cf of StormTech underground retention constructed beneath the new parking lot addition.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Arizona Game and Fish Regional Headquarters, Phoenix, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2006	Construction (if applicable) 2007
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Provided civil design including master drainage report, offsite paving plan (State Route 74), onsite grading and drainage plans, stormwater management plans, onsite utility plans, and private sewer lift station for this facility.	<input type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Potato Barn, Scottsdale, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Services for this 2.4 acre site include conceptual design services, final grading and drainage, SWPP, on-site utilities, easement exhibits, legal descriptions and on-site drainage report.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Living Spaces, 67<sup>th</sup> Avenue and I-10, Phoenix, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Services provided for this 22.5 Acre site including 500,000 square feet of showroom, warehouse and distribution included offsite paving, offsite sewer and offsite water plans; onsite grading and drainage plans; SWPPP; private water, sewer and fireline plans and onsite drainage report.	<input type="checkbox"/>	Check if project performed with current firm



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**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.)

<b>a. NAME</b> <b>Sherry Martin, PE</b>	<b>b. ROLE IN THIS CONTRACT</b> <b>Transportation Engineer</b>	<b>c. YEARS EXPERIENCE</b>	
		<b>1. TOTAL</b> 22	<b>2. WITH CURRENT FIRM</b> 16
<b>d. LOCATION (City and State)</b> Engineering and Environmental Consultants, Inc. 4625 E. Fort Lowell Road, Tucson, AZ 85712			
<b>e. EDUCATION (DEGREE AND SPECIALIZATION)</b> • B.S., Civil Engineering • B.A., Microbiology		<b>f. PROFESSIONAL TRAINING - REGISTRATIONS</b> Professional Engineer (Civil), Arizona, 2002, #37865	
<b>g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)</b> Arizona Society of Civil Engineers			

**H. RELEVANT PROJECTS**

<b>1.</b>	<b>(1) TITLE AND LOCATION (City and State)</b> <b>Campbell Avenue, Grant to Fort Lowell Improvements, Tucson, Arizona</b>	<b>(2) YEAR COMPLETED</b>	
		Professional Services 2013	Construction (if applicable) N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <div style="float: right; text-align: right;"> <input checked="" type="checkbox"/> Check if project performed with current firm                 </div> Project Manager. Provided improvements design including sidewalks, landscaping, and bus pullouts along Campbell Avenue from Grant Road to Fort Lowell Road.		
<b>2.</b>	<b>(1) TITLE AND LOCATION (City and State)</b> <b>I-19/Sahuarita Road Traffic Interchange, Sahuarita, Arizona</b>	<b>(2) YEAR COMPLETED</b>	
		Professional Services 2012	Construction (if applicable) N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <div style="float: right; text-align: right;"> <input checked="" type="checkbox"/> Check if project performed with current firm                 </div> Project Engineer. Providing civil engineering services for the Design Concept Report (DCR) and Environmental Assessment for the reconstruction of the I-19 traffic interchange at Sahuarita Road.		
<b>3.</b>	<b>(1) TITLE AND LOCATION (City and State)</b> <b>Regional Transportation Authority Bus Pullout Lanes, Tucson, Arizona</b>	<b>(2) YEAR COMPLETED</b>	
		Professional Services 2013	Construction (if applicable) 2013
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <div style="float: right; text-align: right;"> <input checked="" type="checkbox"/> Check if project performed with current firm                 </div> Project Manager. Provided professional engineering services for the design of multiple bus pullout lanes located at Oracle and Glenn, Oracle and Prince, Campbell and Prince, Campbell and Adams, and Alvernon and Fort Lowell in Tucson.		
<b>4.</b>	<b>(1) TITLE AND LOCATION (City and State)</b> <b>ADOT I-10 Interim Widening, I-8 to SR 87, Casa Grande, Arizona</b>	<b>(2) YEAR COMPLETED</b>	
		Professional Services 2011	Construction (if applicable) 2012
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <div style="float: right; text-align: right;"> <input checked="" type="checkbox"/> Check if project performed with current firm                 </div> Project Engineer. Provided design services to widen I-10 from four to six lanes (3 eastbound, 3 westbound) between the I-8 interchange and the La Palma Road bridge. The project includes reconfiguring the ramps at Sunshine Boulevard, Toltec Road and Sunland Gin Road to increase safety and capacity, and widening the bridge over the Santa Rosa Canal.		
<b>5.</b>	<b>(1) TITLE AND LOCATION (City and State)</b> <b>ARRA On-Call Civil Engineering Services, Tucson, Arizona</b>	<b>(2) YEAR COMPLETED</b>	
		Professional Services 2012	Construction (if applicable) N/A
	<b>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</b> <div style="float: right; text-align: right;"> <input checked="" type="checkbox"/> Check if project performed with current firm                 </div> Project Manager. Provided civil engineering, surveying and related services on an as-needed basis. Task orders have included plan review, water modifications, Transportation Enhancement projects, Safe Routes to School projects, signing, pavement markings, driveways, drainage, safety, feasibility evaluation, planning studies (Project Assessment), and public involvement.		



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

a. NAME <b>Joseph J. Antonio, PE</b>	b. ROLE IN THIS CONTRACT <b>Civil Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 10	2. WITH CURRENT FIRM 10
d. LOCATION (City and State) Engineering and Environmental Consultants, Inc. 4625 E. Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer (Civil), Arizona, 1987, #20880	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) <ul style="list-style-type: none"> <li>American Society of Civil Engineers</li> <li>American Public Works Association</li> <li>Arizona / Sonora Water Task Force for BORDER 2012</li> </ul>			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Regional Transportation Authority and City of Tucson DOT Bus Pullout Packages, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Engineer and Designer to site and design bus pullouts along existing streets. These packages included surveying, drainage, pavement reconstruction, rights-of-way acquisition, curb relocations, pedestrian facility modifications, traffic signal relocations, drainage structure modifications, utility relocations, pavement markings, construction plans, specifications, and engineer's cost estimates, for individual bus pullout locations.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Sahuarita Road, La Villita Road to Country Club Road, Sahuarita, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer and Designer for improvement of 2.47 miles of Sahuarita Road, including widening from two lanes to a four-lane divided roadway with multi-use lanes, sidewalks, bridges, bank protection, at-grade railroad crossings, culvert replacements and extensions, and landscaped medians and shoulders. The western segment includes wide medians to accommodate a future six-lane configuration; it includes new bridges crossing the Santa Cruz River, soil cement bank protection and a 2.0 mile re-alignment of Nogales Highway. The eastern segment is designed with a 20-foot wide median and lane configurations more parallel to that of an Environmentally Sensitive Roadway.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>Houghton Road at Old Vail Road/Mary Ann Cleveland Way, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2011	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer and Designer for roadway widening and intersection reconstruction. The project was a component of the Houghton Road RTA Corridor that was accelerated due to planned developments. Design elements for the intersection included adding dual left-turn lanes at all approaches, design of intersection signalization, sidewalks, signing and striping, replacement of two box culverts, a new storm drainage structure, water system modifications, sewer manhole adjustments, construction plans, specifications, and engineer's cost estimates.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>Pima County DOT Valencia Road, Mark Road to Camino de la Tierra, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2008	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer and Designer for improvement of 2.5 miles of Valencia Road, including widening the roadway from two lanes to four travel lanes with two-way left turn lanes, multi-use lanes, sidewalks and landscaped shoulders. Valencia Road was designed in conformance with the Environmentally Sensitive Roadway guidelines in the Pima County Roadway Design Manual.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Davis Road, Central Highway to US 191, Cochise County, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Engineer for the realignment of a two mile segment of Davis Road incorporating two travel lanes and paved shoulders, a DCR, drainage facilities, geotechnical investigations, survey and environmental clearances. This was a local government contract involving ADOT design guidelines.	<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 <b>Jacob Lomeli, PE</b>	b. ROLE IN THIS CONTRACT <b>Engineer, Project Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL 12	2. WITH CURRENT FIRM 8

d. LOCATION *(City and State)*  
 Engineering and Environmental Consultants, Inc.  
 4625 E. Fort Lowell Road, Tucson, AZ 85712

e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Civil Engineering, Minor, Hydrology	f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Civil Engineer, Arizona, 2009, #49862
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g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*

- American Society of Civil Engineers
- Arizona Society of Civil Engineers
- Environment and Water Resource Institute
- Southern Arizona Rescue Association
- ASCE Arizona Section Southern Arizona Branch Younger Member Forum, Board Member

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Cochise College CTE Bldg. Expansion, Douglas, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Provided civil site design related to the expansion of the "CTE" building as part of the Cochise College Douglas Campus. This included CLOMR and LOMR utilizing Flo-2D software.	Professional Services 2013	Construction (if applicable) 2013
2.			
2.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Sahuarita Rd Phase II, La Villita-East, Sahuarita, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Provided design services for reconstruction of Sahuarita Road from La Villita Road to Sahuarita Park Road.	Professional Services Ongoing	Construction (if applicable) N/A
3.			
3.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Arizona Street, Bisbee, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Provided design services for roadway and transportation enhancement on Arizona Street in Bisbee, Arizona.	Professional Services 2012	Construction (if applicable) 2013
4.			
4.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Davis Road, Central Highway to US191, McNeal, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Provide planning and design services for Davis Road improvements in Cochise County Arizona.	Professional Services 2013	Construction (if applicable) N/A
5.			
5.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Northern Ave. Roadway Drainage Improvements, Tucson, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Developed plans and construction estimates for the cross slope modifications to Northern Avenue between West Cool Drive and West Paseo Norteno.	Professional Services 2012	Construction (if applicable) N/A



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

a. NAME <b>Ryan Stucki, PE, LEED AP</b>	b. ROLE IN THIS CONTRACT <b>Project Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL 14	2. WITH CURRENT FIRM 6
d. LOCATION (City and State) Engineering and Environmental Consultants, Inc. 4625 E Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS • Arizona Professional Engineer (Civil), 2003, #35926 • LEED Accredited Professional	

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)  
 • Southern Arizona Homebuilders Association, Member  
 • American Society of Civil Engineers, Member  
 • U.S. Green Building Council, Member  
 • MPA

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Golden Eagle Distributers Distribution Center Expansion, Buckeye, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  EEC provided engineering services for this 16,000 square foot expansion and associated entry drive. Project includes a parking area designed to allow for maneuvering of delivery trucks. The design includes grading, paving, and drainage design along with retention/detention and storm water pollution prevention plans.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Green Valley Performing Arts and Learning Center/Pima County, AZ</b>	(2) YEAR COMPLETED	
		Professional Services 2010	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Project Civil Engineer for design and preparation of platting and full construction documents for this small commercial/institutional development. Design elements included providing unique solutions to transitioning private sewer and water to accommodate the building.	<input type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>Reid Park Zoo Entrance and Adaptive Recreation Center/Tucson, AZ</b>	(2) YEAR COMPLETED	
		Professional Services 2009	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Project Civil Engineer for design and preparation of full construction documents for the entry of the zoo, public swimming area, sewer layout, and water layout. Also assisted in the construction detailing of various drainage control structures.	<input type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>Amphitheater Middle School/Tucson, AZ</b>	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Project Civil Engineer for site civil design services related to the addition of a new classroom to the Amphi Middle School campus, as well as new rest rooms and courtyard improvements.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Amphitheater High School/Tucson, AZ</b>	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Project Civil Engineer for civil site design services as part of the design team for improvements related to the addition and renovation of buildings to the Amphi High School campus. Traffic/circulation improvements were also included in the project scope.	<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 <b>E. Bruce Wilson, PE, RLS</b>	b. ROLE IN THIS CONTRACT <b>Senior Project Manager, Civil Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 45	2. WITH CURRENT FIRM 8
d. LOCATION <i>(City and State)</i> Engineering and Environmental Consultants, Inc. 4625 E Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS • Professional Engineer (Civil), Arizona, 1975, #10011 • Registered Land Surveyor, Arizona, 1984, #17569	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> • American Society of Civil Engineers • Member; Arizona Flood Plain Managers Association (AFMA) • University of Arizona Foundation			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Tucson Electric Power Substation Development General Engineering Services, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided general engineering services, subconsultant coordination, administrative support services, prepared substation development plan and support documentation, and prepared a grading plan for approval based on the development plan.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Tucson Electric Power Santa Cruz River Scour Analysis at Drexel Road Crossing, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided the necessary scour review, and calculations to determine the 100-year storm event for scour anticipated within an erosion hazard zone for the proposed service line underground for crossing at Drexel Road.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Tucson Electric Power Kantor-Valencia Drainage/Design for Maintenance Road, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Researched permit requirements for the construction/improvements of the road for facilitating the transmission line construction. The work included the preparation of necessary construction drawings, hydrology, drainage and erosion control and permit processing.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Tucson Electric Power Overton-La Cholla Substation, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided the necessary structural and hydraulic design, calculations, and necessary construction drawings to mitigate and control the site flooding and erosion issues created by storm water flow.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Tucson Electric Power Camino del Cerro Substation, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Provided general civil engineering services, subconsultant coordination and administrative support services for the preparation of a Development Plan and Grading Plan. Together with construction surveillance and quality control coordination and Engineer of Record services.	<input 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 <b>Kirk Creswick, RG</b>	b. ROLE IN THIS CONTRACT <b>Geologist, Sr. Environmental Scientist</b>	c. YEARS EXPERIENCE	
		1. TOTAL 24	2. WITH CURRENT FIRM 12
d. LOCATION <i>(City and State)</i> Engineering and Environmental Consultants, Inc. 7740 North 16 <sup>th</sup> Street, Suite 135, Phoenix, AZ 85020			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> • M.S. Hydrogeology • B.A. Geology		f. PROFESSIONAL TRAINING - REGISTRATIONS • Registered Geologist (Arizona), 1998, #32700 • GIS, HAZWOPER • MSHA, Radiological Worker II • ASTM RBCA • ASTM Remediation by Natural Attenuation	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> • Arizona Hydrological Society			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>ASARCO – Elder Gulch APP Support, Kearny, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Senior Registered Geologist/Hydrogeologist for study of seeps from tailings pile at the facility. Study used high resolution resistivity surveys, monitoring well installation and sampling; geochemical assessment and modeling; water table mapping; GIS spatial analysis, and aquifer testing to identify the source of impact to seep water and groundwater. (Study \$49,000; Construction \$550,000)	Professional Services 2013	Construction (if applicable) 2013
<input checked="" type="checkbox"/>		Check if project performed with current firm	
2.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Laughlin-Bullhead International Airport LUST Site Remediation, Bullhead City, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Project Manager/Senior Environmental Scientist for characterization and remediation of nine leaking underground storage tank (LUST) releases (aviation and automotive fuels) at the airport. Installed 17 monitoring wells, five vapor extraction wells, five air sparge wells and a catalytic oxidizer. Performed operations and maintenance of the remediation system with groundwater monitoring. Vapor extraction achieved asymptotic concentrations in 14 months. (Original remediation budget \$723,000. Current billings ~\$3,000/qtr).	Professional Services Ongoing	Construction (if applicable) Ongoing
<input checked="" type="checkbox"/>		Check if project performed with current firm	
3.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>AEPCO Apache Generating Station APP Support, Cochise, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Senior Registered Geologist/Hydrogeologist for the preparation of a hydrogeological study in support of Aquifer Protection Permit (APP) amendment. Involved geochemical analysis and modeling to investigate the causes of compliance well exceedances at the facility. Changes in APP and NPDES discharge practices resulted in encroachment of groundwater from the adjacent Wilcox Playa. (\$76,400)	Professional Services 2013	Construction (if applicable) 2013
<input checked="" type="checkbox"/>		Check if project performed with current firm	
4.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>ADEQ State Lead Consultant, Statewide Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Senior Environmental Scientist for five ongoing projects where EEC is contracted with ADEQ to provide site characterization and remediation services for LUST sites. Remediation systems were installed at three of the five sites. Other activities involve soil sampling, well installation, groundwater sampling, aquifer testing, etc. (\$501,000 current budgets)	Professional Services 2014	Construction (if applicable) N/A
<input checked="" type="checkbox"/>		Check if project performed with current firm	
5.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>ADEQ Munitions Response On-call – Sentinel Plain (Barry Goldwater Range– East), Sentinel, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Senior Environmental Scientist for technical support to ADEQ on projects involving military munitions. Advises ADEQ on appropriate methods for characterization of contamination by munitions constituents, statistical analysis for risk assessment, and geophysical methods for detection and clearance of unexploded ordnance and munitions of environmental concern. Also providing technical support to ADEQ for 13 Installation Restoration Program (IRP) sites at Luke AFB facilities under this project. (\$33,000)	Professional Services 2014	Construction (if applicable) N/A
<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 <b>Sean Doctor, E.I.T</b>	b. ROLE IN THIS CONTRACT <b>Civil Engineer, Transportation Engineer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 9	2. WITH CURRENT FIRM 6
d. LOCATION <i>(City and State)</i> Engineering and Environmental Consultants, Inc. 7740 North 16 <sup>th</sup> Street, Suite 135, Phoenix, AZ 85020			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> • M.B.A. • B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Engineer-in-Training, Arizona, 2005, #10719	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i>			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Downtown Storm Drain Improvements, Phoenix, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Assisted and Performed Engineering Design for 15,500 feet of Storm Drain and 1-mile of roadway in Downtown Phoenix area; Tasks included base map preparation, survey coordination, utility coordination, computer-aided drafting, cost estimation, final plans and documents preparation.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Rancho Bella Vista Flood Plain Mitigation, Pinal County, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Assisted and performed engineering design to mitigate flooding of the Rancho Bella Vista Subdivision in Pinal County, AZ, south of Queen Creek, AZ. Design alternatives and subsequent cost estimation was performed. Tasks included base map preparation, survey coordination, computer-aided drafting and cost estimation.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>ASARCO Ray Mine – Elder Gulch Tailing Dam, Kearny, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Assisted in the engineering design for a relocated 1700 ft. seepage channel at the ASARCO Ray Mine site. Tasks included engineering design and computer-aided drafting.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Battaglia Left Turn Lane – Pinal County, Arizona City, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Assisted and performed roadway design for pavement widening and left turn lane from Battaglia Road to the United States Post Office west of Del Rio Road in Arizona City, AZ. Duties included preliminary site layout, base map preparation, computer-aided drafting and roadway design.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Contractor Utilization Program – Arizona Dept. of Environmental Quality BHP Copper Pinto Valley Mine, Miami, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Assisted in a cost review for a mining operation closure on the behalf of ADEQ. Duties included unit cost verification and cost estimation for an \$80+ Million proposed operation closure.	<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.)

b. NAME <b>Bob Tenor, RLS</b>	b. ROLE IN THIS CONTRACT <b>Senior Engineering Designer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 37	2. WITH CURRENT FIRM 7

d. LOCATION (City and State)  
 Engineering and Environmental Consultants, Inc.  
 4625 E Fort Lowell Road, Tucson, AZ 85712

e. EDUCATION (DEGREE AND SPECIALIZATION)

f. PROFESSIONAL TRAINING - REGISTRATIONS  
 Registered Land Surveyor, Arizona, 1999, #33879

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>Catalina Springs Memory Care, Tucson, Arizona</b>	2014	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided a full range of site development work, including design of grading, paving, storm water and utilities. The project is a new 26,000 s.f. direct care facility that was built on the west side of Oracle Road in Oro Valley, Arizona. It is the anchor building in the Oracle Vista Center at Oracle Road and Desert Sky Drive.		
2.	<b>Office of Dr. Pandhi Dental, Tucson, Arizona</b>	2012	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided engineering services to obtain the necessary permits for construction of 4,812 s.f. of dental offices on the 3.5 acre site at 5834 N. Oracle Road in Tucson, Arizona. The particularly difficult as the eastern half of the site falls about 35 feet into the Pima Wash floodplain. The project was designed to set the buildings on bridge decks using pier foundations to avoid dealing with protecting the steep slope.		
3.	<b>Rita Falcon Project – Target Fulfillment Center, Tucson, Arizona</b>	2007	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Designed and prepared development plans and construction documents for the 133 acre Rita Falcon Project, otherwise referred to as the Target Fulfillment Center. Provided site design and platting design services as well as managed other professional services that were administered including; landscape architecture; storm water pollution prevention plan and monitoring; traffic impact analysis; street lighting and signalized intersection design; hydrology with over a mile of stormdrain and eight detention basins; septic system design; and construction observation.		
4.	<b>Tucson Unified School District White Elementary School Addition, Tucson, Arizona</b>	2007	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided engineering support for construction assistance and surveillance for the TUSD White Elementary school addition.		
5.	<b>St. Joseph's Medical Office Building and Parking Garage, Tucson, Arizona</b>	2008	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Provided construction assistance and surveillance for the St. Joseph's medical office building and southwest parking garage.		



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

a. NAME <b>Patricia Gajda, RLS</b>	b. ROLE IN THIS CONTRACT <b>Survey Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL 12	2. WITH CURRENT FIRM 1
d. LOCATION (City and State) Engineering and Environmental Consultants, Inc. 4625 E Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Surveying Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS • Registered Land Surveyor, Arizona, 2007, #46278 • Registered Land Surveyor, Nevada, 2004, #46278	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Southwest Gas Corporation Miscellaneous Right of Way Services, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Contract Right-of-Way Agent - Provided right-of-way services for approximately 6 miles of a pipeline relocation and reinforcement project along SR77 (Oracle Road). Services included, research, preparation of easement documents, preparation of Arizona State Land Department (ASLD) applications for new right-of-way, negotiation and acquisition of easements, prior rights determination. Also, reviewed survey work performed by a third party.	<input type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) <b>Southwest Gas Corporation Miscellaneous Right of Way Services, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Contract Right-of-Way Agent - Provided right-of-way services for approximately 7 miles of a pipeline relocation and reinforcement project along SR86 (Ajo Highway). Services included, research, preparation of easement documents, preparation of Bureau of Land Management (BLM) applications and Arizona State Land Department (ASLD) applications for new right-of-way, negotiation and acquisition of easements, prior rights determination. Also, reviewed survey work performed by a third party.	<input type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) <b>Summerlin Master Planned Community, Las Vegas, Nevada</b>	(2) YEAR COMPLETED	
		Professional Services 2008	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Survey Manager - Provided boundary surveys, ALTA/ACSM land surveys, construction staking, topographic surveys, design/location surveys, Records of Surveys, Parcel Maps, Final Plats, legal descriptions for easement and rights-of-way takes for this 23,000-acre master planned community.	<input type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) <b>Badlands Golf Course ALTA, Las Vegas, Nevada</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Survey Manager - Provided ALTA/ACSM Land Title Survey for the Badlands Golf Course located in Las Vegas, Nevada consisting of approximately 188 acres. Survey services included setting photo control, verifying aerial mapping data.	<input type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) <b>Summerlin Village 15A Condominiums, Las Vegas, Nevada</b>	(2) YEAR COMPLETED	
		Professional Services 2006	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Survey Manager - Summerlin Village 15A Condominiums is a condominium development on ±31 acres located in Summerlin. The project consisted of mapping 23 buildings with 420 units and includes primary and secondary recreation areas. Provided mapping, mass grading, staking and roadway design.	<input 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 <b>Chad Hancock</b>	b. ROLE IN THIS CONTRACT <b>Environmental Technician</b>	c. YEARS EXPERIENCE	
		1. TOTAL 13	2. WITH CURRENT FIRM 13
d. LOCATION <i>(City and State)</i> Engineering and Environmental Consultants, Inc. 4625 E Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B. S., Environmental Science		f. PROFESSIONAL TRAINING - REGISTRATIONS <ul style="list-style-type: none"> <li>• OSHA 40-Hour HAZWOPER</li> <li>• AHERA Asbestos Building Inspector</li> <li>• EPA Lead-Paint Building Inspector</li> <li>• ADEQ Grade 1 Certification: Water Distribution</li> <li>• ADEQ Grade 1 Certification: Water Treatment</li> </ul>	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> <ul style="list-style-type: none"> <li>• Southern Arizona Environmental Management Society (SAEMS)</li> <li>• Solid Waste Association of North America (SWANA)</li> </ul>			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Raymond Bliss Medical Center, U.S.A.G. Fort Huachuca, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Conducted an asbestos inspection to identify and quantify asbestos-containing building materials in the Raymond W. Bliss Army Health Center, Building number 45001, at Fort Huachuca. Samples of suspected asbestos-containing material were collected from inside the facility (floor coverings, interior walls, ceiling, and piping).	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Congress Landfill Waste Characterization, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Conducted sampling and statistical analysis services for waste characterization at the City of Tucson's Congress Landfill. This included being onsite during drilling and well installation activities conducted by others. At each borehole, cuttings generated during the drilling were compiled into a single sample that was delivered, under chain-of-custody, to a licensed laboratory under contract with the City of Tucson. Following receipt of the laboratory reports, performed a statistical analysis of the data following the guidelines in EPA SW-846.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Convention Center Central Energy Loop, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Completed a Limited Environmental Site Assessment (ESA) and groundwater monitoring well installation at the City of Tucson's Central Energy Plant Heating Loop in downtown Tucson. The system has had several leaks in the process lines that extend between the buildings serviced by the loop.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>West Tangerine Asbestos Survey, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2006	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  Conducted an asbestos survey of two buildings located at 10600 W. Tangerine Road in Marana, Arizona. Collected an adequate number of samples of interior and exterior (including roofing materials) suspect to asbestos-containing building materials from the building for analysis. Upon receipt of the laboratory results, prepared a report on the findings of the investigation.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Tucson International Airport Building Demolition Soil Assessment</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE  .Assessed the potential for residual chemical contamination in the underlying soil after demolition of the Vega Biotechnology buildings at the Tucson International Airport. Collected 20 soil samples for analysis of metals, VOCs and cyanide and compared the results with Arizona residential Soil Remediation Levels and Groundwater Protective Levels.	<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 <b>Tom Ross</b>	b. ROLE IN THIS CONTRACT <b>Environmental Specialist</b>	c. YEARS EXPERIENCE	
		1. TOTAL 21	2. WITH CURRENT FIRM 12
d. LOCATION (City and State) Engineering and Environmental Consultants, Inc. 4625 E Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION (DEGREE AND SPECIALIZATION)		f. PROFESSIONAL TRAINING - REGISTRATIONS	
		<ul style="list-style-type: none"> <li>• OSHA 40-Hour HAZWOPER</li> <li>• OSHA Hazardous Materials Worker</li> <li>• Hazardous Materials Waste/Handling Course</li> <li>• OSHA Confined Space Entry Management Training</li> <li>• Emergency Management Institute Training</li> <li>• Class C Hazardous Materials CDL</li> <li>• CPR and First Aid</li> <li>• ADEQ Grade 1 Certification: Water Distribution</li> <li>• ADEQ Grade 1 Certification: Water Treatment</li> </ul>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Raytheon Decontamination Sampling, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2003	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Conducted confirmation sampling and documentation of the decontamination of 27 pieces of industrial wastewater treatment equipment including concrete and steel tanks holding acids, bases and industrial wastewater; concrete containment structures with sumps; and an air scrubber. Almost a third of the equipment had contained listed hazardous wastes.		
2.	(1) TITLE AND LOCATION (City and State) <b>Landfill Operation and Maintenance at Harrison, Mullins, and Prudence Landfills, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2005	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Provided services for operation and maintenance of landfill gas control systems at Harrison, Mullins and Prudence Landfills.		
3.	(1) TITLE AND LOCATION (City and State) <b>Silverbell Landfill Phase II Assessment, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2004	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Conducted a Phase II Environmental Site Assessment of the Silverbell Landfill. Services included a soil gas survey, methane monitoring well installation, trenching and assessing possible buried debris, soil sampling and analysis, and preparing a final report.		
4.	(1) TITLE AND LOCATION (City and State) <b>Pre-Demolition Asbestos Survey: Greyhound Bus Terminal, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2005	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Provided pre-demolition asbestos surveys for the Greyhound Bus Terminal. Completed a Limited Environmental Site Assessment (ESA) and groundwater monitoring well installation at the City of Tucson's Central Energy Plant Heating Loop in downtown Tucson. The system has had several leaks in the process lines that extend between the buildings serviced by the loop.		
5.	(1) TITLE AND LOCATION (City and State) <b>University Medical Center Limited Soil Sampling</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
	Conducted a limited soil sampling in the vicinity of a Jet A fuel tank at the University Medical Center. Screensoiled samples to identify potential surface spill that had impacted the subsurface soil in the vicinity. This area included the fill port of the tank, a containment sump and an oil/water separator.		

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



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a. NAME <b>Billy Box</b>	b. ROLE IN THIS CONTRACT <b>Civil Designer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 14	2. WITH CURRENT FIRM 14

d. LOCATION (*City and State*)  
 Engineering and Environmental Consultants, Inc.  
 4625 E Fort Lowell Road, Tucson, AZ 85712

e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) A.A.S., Computer Aided Drafting	f. PROFESSIONAL TRAINING - REGISTRATIONS
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g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Amphi High School Engineering and Surveying Services, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Provided civil site design services as part of a design team for improvements related to the addition and renovation of buildings to the Amphitheater High School campus. Traffic/circulation improvements were also included in the project scope.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Pima County Regional Wastewater Capstan Lift Station Construction Period Services, Pima County, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2010	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Designed and prepared the plans for a Public Sewer line within private and public Pima County Right-of-Way. 20'+ sewer depths were utilized, with service stub-outs for future lots within the future Arcadia Subdivision. Challenges included utilizing minimal slopes to connect two existing sewer systems, as well as avoiding conflicts with existing utilities and drainage infrastructure.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Davis Monthan/Border Patrol Vault, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2010	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Provided design services for the Davis Monthan/Border Patrol drug seizure vault located on Davis Monthan Air Force Base in Tucson, Arizona. EEC prepared full site construction documents for a 4.7 acre high-security drug-seizure storage vault to be used by the Department of Homeland Security. Documents prepared included Paving, Grading and Drainage Plans, Public and Private Sewer, Public and Private Water, Drainage, and Stormwater Pollution Prevention Plan. Site challenges included the design of large-truck access through multiple security gates, coordination with the Fire Department and other emergency access, as well as drainage and access concerns.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Oro Valley Memory Care, Oro Valley, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Provided a full range of site development work, including design of grading, paving, storm water and utilities. The project was a new 26,000 s.f. assisted living, direct care facility that was built on the west side of Oracle Road in Oro Valley, Arizona. It is the anchor building in the Oracle Vista Center at Oracle Road and Desert Sky Drive.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Crossing Point Phase II, Sierra Vista, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Provided water and construction related activities for Phase 2 of the Crossing Point development in Sierra Vista, Arizona. Design and preparation of platting and construction documents for this 80 lot, 13 acre infill housing project in the Fry section of Sierra Vista. Project also included two one acre commercial lost for future use. EEC provided Tentative Plat, Grading and Drainage Plans, infrastructure roadway, Drainage, Sewer and Water plans with pressure relief station, and Storm Water Pollution Prevention Plan (SWPPP). One challenge of the project involved right-of-way swaps with the City of Sierra Vista and Santa Cruz County. Another challenge was the design of detention facilities in order to decrease the magnitude of runoff flows to downstream properties which were already experiencing drainage problems associated with the existing, natural vegetative pre-construction site conditions.	<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 <b>Kevin Andrews</b>	b. ROLE IN THIS CONTRACT <b>Engineering Designer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 15	2. WITH CURRENT FIRM 15
d. LOCATION (City and State) Engineering and Environmental Consultants, Inc. 4625 E Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION (DEGREE AND SPECIALIZATION) A.A.S., Computer Aided Drafting		f. PROFESSIONAL TRAINING - REGISTRATIONS	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Tucson Bentley User Group (TBUG), Officer			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Regional Transportation Authority and City of Tucson DOT Bus Pullout, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2009	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided design services for RTA bus pullouts at various locations along existing streets. These packages included surveying, drainage, pavement reconstruction, rights-of-way acquisition, curb relocations, pedestrian facility modifications, traffic signal relocations, drainage structure modifications, utility relocations, pavement markings, construction plans, specifications, and engineer's cost estimates for individual bus pullout locations.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Sahuarita Road Phase II, La Villita Eastern Town Limits, Sahuarita, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2011	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designer for improvement of 2.5 miles of Sahuarita Road, including widening from two lanes to a four-lane divided roadway with multi-use lanes, sidewalks, bridges, bank protection, at-grade railroad crossings, culvert replacements and extensions, and landscaped medians and shoulders. The west portion includes wide medians to accommodate a future six-lane configuration as well as new bridges crossing the Santa Cruz River, soil cement bank protection, and a 2 mile re-alignment of Nogales Highway. The east portion was design with a 20-foot wide median and lane configurations similar to that of an Environmentally Sensitive Roadway. Construction was through C-M at Risk.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>Arizona Department of Transportation I-10 Mainline Widening, Pinal Air Park to Cortaro, Marana, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2010	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided photogrammetry, design surveys, and construction documents for the widening of 15 miles of I-10 from four to six lanes (3 eastbound, 3 westbound). The \$40 million project included widening 12 bridge structures at Marana Road, Tangerine Road, two railroad overpasses, Avra Valley Road, and Cortaro Road. The project also included widening of two ramps at the Cortaro TI and the widening of Cortaro Road under the I-10 overpass to provide two additional abutment lanes.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>US 191, Milepost 87.4 to Milepost 91.6 Drainage and Survey, Safford, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2005	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided engineering design services for a roadway drainage system on US 191. Work included drainage design, survey and utility coordination, plans, cost estimates, and specifications for 4.2 miles of the new four lane roadway section located 30 miles south of Safford, Arizona. The project involved numerous culvert improvements and bridge structures required for the addition of the northbound two lane section of roadway.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Arizona Street, Bisbee, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2011	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided post design services for roadway and transportation enhancement on Arizona Street in Bisbee, Arizona.	<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 <b>George Guderian</b>	b. ROLE IN THIS CONTRACT <b>Senior Engineering Designer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 15	2. WITH CURRENT FIRM 8
d. LOCATION (City and State) Engineering and Environmental Consultants, Inc. 4625 E Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION (DEGREE AND SPECIALIZATION) University of Louisville, Arizona State University, MPLS Drafting School, Certified Drafting Tech		f. PROFESSIONAL TRAINING - REGISTRATIONS	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Society of Civil Engineers, Member			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>University Medical Center Cancer Treatment Center Design, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2005	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provided professional engineering services for the renovation of the Tucson General Hospital facility located on Campbell Avenue in Tucson. The project was a design-build project that included the concurrent approval of a planned area development rezoning along with a site plan prior to any engineering design. Civil support services included site planning for employee parking, an offsite parking lot for commuting employees, private paving and grading plans, site engineering for the healing garden, and water harvesting of onsite drainage.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Pantano Substation, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provided general engineering services including development plan review and support documentation, and grading plan preparation for approval based on the development plan.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>Los Reales Road Realignment, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2009	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provided professional engineering services for the Los Reales Road realignment project. Services included ground control and aerial flight photographs for the entire 80 acre property, located north of the previous Los Reales alignment, a Master Drainage Report assessing impacts and requirements of developing the property and the roadway, a Native Plant Inventory and mitigation report, 30% complete plans for submittal and review to City of Tucson transportation staff, and final bid set quality design plans for review and approval.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>Rita Road Infrastructure Plan Assessment, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Conducted an assessment of a previously prepared plan for Rita Road infrastructure and blocks 10-12 of the Rita 244 grading and drainage improvements.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Houghton Road/Old Vail Road Intersection, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2010	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provided design mobilization services for reconstruction of the Houghton Road at Old Vail Road/Mary Ann Cleveland Way intersection.	<input checked="" type="checkbox"/>	Check if project performed with current firm

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



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a. NAME <b>Monica Fox</b>	b. ROLE IN THIS CONTRACT <b>Engineering Designer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 7	2. WITH CURRENT FIRM 7

d. LOCATION (*City and State*)  
 Engineering and Environmental Consultants, Inc.  
 4625 E Fort Lowell Road, Tucson, AZ 85712

e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) B.S., Civil Engineering, minor Spanish Linguistics	f. PROFESSIONAL TRAINING - REGISTRATIONS
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g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)  
 (WTS) Advancing Women in Transportation

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	<b>Davis Road, Central Highway to US 191, McNeal, Arizona</b>	2012	N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE  Assisted in the preparation of the Design Concept Report and design plans for the realignment, reconstruction and widening of two miles of roadway. Provided engineering support and analysis using MicroStation and Inroads. Created roadway templates and modeled various design alternatives. Assisted in the drainage design which involved the analysis of cross culverts and roadside channels.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	<b>Sahuarita Road, La Villita Road to Country Club Road, Sahuarita, Arizona</b>	2011	N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE  Prepared the pavement marking and signing plans, construction plans, and assisted in addressing the comments for stage submittals. Delineated offsite and onsite pavement watersheds. Prepared hydraulic computation for culverts, channels, roadway inlets and outlet structures.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	<b>I-19 Traffic Interchange, Sahuarita, Arizona</b>	2011	N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE  Participated in the ADOT Value Analysis of the project. Designed ramp geometrics at entrance and exit of the mainline using Inroads V8i roadway modeler. Created horizontal alignments and produced the storm drain profiles. Performed hydrologic and hydraulic design for culverts and assisted with culvert extensions on the project as well as determining the required right-of-way. Provided initial responses to comments from ADOT that were addressed and discussed during comment resolution meeting. Prepared quantity take-offs, cost estimates, and design plans.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	<b>Cienega Substation, Tucson, Arizona</b>	2008	N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE  Provided civil engineering support services for the Cienega Substation. Designed hydraulic channel with erosion protection to divert regulatory flow around the substation pad. Performed a split flow and backwater analysis using HEC-RAS. Sized retention facilities to satisfy threshold retention requirements. Quantified onsite and offsite peak discharges.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	<b>Regional Transportation Authority and City of Tucson DOT Bus Pullout, Tucson, Arizona</b>	2009	N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE  Designed bus pullouts along existing streets per City of Tucson Standards. These packages included surveying, drainage, pavement reconstruction, rights-of-way acquisition, curb relocations, pedestrian facility modifications, traffic signal relocations, drainage structure modifications, utility relocations, pavement markings, construction plans, specifications, and engineer's cost estimates for individual bus pullout locations.	<input checked="" type="checkbox"/>	Check if project performed with current firm

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



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a. NAME <b>Ricardo Mesa</b>	b. ROLE IN THIS CONTRACT <b>Senior Engineering Designer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 29	2. WITH CURRENT FIRM 10
d. LOCATION ( <i>City and State</i> ) Engineering and Environmental Consultants, Inc. 4625 E Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) A.A.S., Mechanical Design		f. PROFESSIONAL TRAINING - REGISTRATIONS	
g. OTHER PROFESSIONAL QUALIFICATIONS ( <i>Organizations, Awards, etc.</i> )			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Campo Bello Water Main Replacement, Oro Valley, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2011	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Provided design services for a water distribution system replacement and interconnection. Provided the design of approximately 18,000 L.F. of new 8" water mains, replacing a 4" AC distribution system plus interconnecting four additional cul-de-sacs to Oro Valley Water Utility system, currently being served by Tucson and Metro Water. The project crossed existing residential neighborhoods streets, public streets, washes and a directional bore under newly road improvements. Connections looped an existing 6" system; new system also provide new 8" Pressure reducing station and new and private services to all Campo Bello residents.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Metro Water Three Waterline Connections, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2009	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Designed and prepared construction documents for three waterline interconnections. The project areas were Windemere Street connection, Camino Del Sur connection and La Cholla Hills PRV.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Chandler Infill Reclaimed Water Distribution Mains, Chandler, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2005	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Prepared engineering design plans for 12,000 linear feet of 12" diameter reclaimed water distribution mains. These five infill projects interconnected existing reclaimed distribution mains to provide redundancy, reduce system stagnation and increase system pressure and flow rates.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Sierra Vista Animal Control Facility Fire System, Sierra Vista, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Prepared construction documents for a system to provide water for fire prevention at the Sierra Vista Animal Control Facility. The system will include a tank, fire pump, and ancillary piping.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>49ers Reclaimed Water Route Study and Design, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2005	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Prepared a route study and design for a new reclaimed transmission main from Udall Park Booster Station to the 49ers Country Club. The route had to cross several washes, navigate through existing neighborhoods, cross both an active and a closed landfill, and deal with areas of expected high groundwater. The transmission main consists of approximately 20,000 linear feet of 16-inch diameter pipe and approximately 20,000 linear feet of 12-inch diameter pipe. The transmission main provides reclaimed water to potential users located in the vicinity of the selected alignment.	<input checked="" type="checkbox"/>	Check if project performed with current firm

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



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a. NAME <b>John Burton</b>	b. ROLE IN THIS CONTRACT <b>Environmental Scientist, Project Manager</b>	c. YEARS EXPERIENCE	
		1. TOTAL 17	2. WITH CURRENT FIRM 13

d. LOCATION (*City and State*)  
 Engineering and Environmental Consultants, Inc.  
 7740 North 16<sup>th</sup> Street, Suite 135, Phoenix, AZ 85020

e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) B.S., Environmental Science	f. PROFESSIONAL TRAINING - REGISTRATIONS <ul style="list-style-type: none"> <li>• OSHA 40 hour</li> <li>• OSHA 8-hour</li> <li>• EPA Asbestos Inspector</li> <li>• Confined Space Entry</li> </ul>
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g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>APP, Stormwater, and Spill Prevention Support, Phoenix, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE  Project Manager for oversight of permitting and plan updates for 16 Maricopa County facilities. Conducted site visits, coordinated the update of SWPPPs and SPCC Plans, and APP general permits. The various sites for review have included maintenance yards, parks, sheriff ranges, court building, juvenile and jail facilities.	Professional Services 2013	Construction (if applicable) N/A
		<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>Drywell Abandonment - Former Phoenix University Parking Garage, Phoenix, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE  Project Manager. Conducted abandonment of four (4) drywells associated with the former Phoenix University Parking Garage on behalf of ADOT. Activities included transfer of ownership to ADOT, sampling the drywell sediment, comparison of data to Arizona Soil Remediation Levels, removal of drywell chambers by a subconsultant, and development of a final report with recommendations.	Professional Services 2013	Construction (if applicable) N/A
		<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>City of Phoenix –Stormwater Permitting Support/IDDE, Phoenix, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE  Project Manager. Oversaw an illicit discharge detection and elimination (IDDE) investigation for three dry weather flows within the downtown Phoenix area. Activities included review of stormdrain maps and field investigation of several dry weather flows. A third flow consisted of excess water and a trash compactor discharge into the City's stormdrain This investigation resulted in over 20 interconnects identified and several dry weather flows. Information was provided to the City to contact facility representatives and at least two sources of pollutants/flows eliminated.	Professional Services 2013	Construction (if applicable) N/A
		<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>ADOT Stormwater Compliance/Assistance, Statewide Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE  Project Manager. EEC has assisted ADOT with its NPDES/AZPDES Phase I and II MS4 permitting since 1999 under an on-call contract. This assistance includes permitting, updating of the SWMP, developing SWPPPs for construction and industrial sites, stormwater outfall mapping, conducting stormwater awareness courses, community outreach and public participation, performing stormwater sampling, illicit detection & connection program and development of the annual report.	Professional Services 2013	Construction (if applicable) N/A
		<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION ( <i>City and State</i> ) <b>ADEQ Ken and Mel's Soil and Groundwater Remediation, Lake Havasu, Arizona</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE  Project Manager. Over saw the installation of six air sparge wells, six soil vapor extraction wells, and removal of free product on groundwater. This project included the installation of a 250 cfm natural gas thermal oxidizer and a 10 HP positive displacement air sparge blower. The thermal oxidizer was later replaced with a 250 cfm electric catalytic oxidizer in response to declining vapor concentrations. Remediation activities resulted in the elimination of free product thickness, a 96% reduction in soil vapor concentration, and have removed over 70,000 pounds of total petroleum hydrocarbons in two years of operation.	Professional Services 2013	Construction (if applicable) N/A
		<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 <b>Tracy Shoumaker</b>	b. ROLE IN THIS CONTRACT <b>Environmental Scientist</b>	c. YEARS EXPERIENCE	
		1. TOTAL 2	2. WITH CURRENT FIRM 2
d. LOCATION (City and State) Engineering and Environmental Consultants, Inc. 7740 North 16 <sup>th</sup> Street, Suite 135, Phoenix, AZ 85020			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Environmental Biology		f. PROFESSIONAL TRAINING - REGISTRATIONS <ul style="list-style-type: none"> <li>• OSHA 24-Hour HAZWOPER, 2014</li> <li>• Confined Space Entry Awareness Training, 2014</li> <li>• Surface and Groundwater Sampling and Analysis Workshop, 2013</li> <li>• Advanced Anabat Analysis Workshop, 2010</li> <li>• Conservation &amp; Management Workshop, Bat Conservation International, 2007</li> </ul>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) <ul style="list-style-type: none"> <li>• Environmental Professionals of Arizona (EPAZ)</li> <li>• Bat Conservation International (BCI)</li> <li>• The Wildlife Society (TWS)</li> <li>• Western Bat Working Group (WBWG)</li> </ul>			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Phase I &amp; Phase II ESAs for Municipalities and Private Clients, Statewide, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Completed multiple Phase I & Phase II ESAs on residential, agricultural, industrial and commercial properties throughout Arizona. The purpose of the assessment was to identify recognized environmental conditions. Ms. Shoumaker has a practical understanding of pertinent state and federal environmental regulations and how they are applied and interpreted in the State of Arizona	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) <b>Juan Sanchez Boulevard Widening from I-95 to Arizona Service Highway, San Luis, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Assisted with the biological evaluation that included a site visit to evaluate the potential habitat within the project area. The project scope of work for biology reflected the required work necessary to address the conservation and management of the habitat and species.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) <b>Traffic Mitigation on Central Avenue, Phoenix, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Assisted with the biological evaluation that included a site visit to evaluate the potential for encountering threatened and/or endangered species and critical habitat within the project area. The project scope of work for biology reflected the required work necessary to address the conservation and management of the habitat and species.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) <b>Davis Road Widening from Central Highway to US Highway 191, McNeal, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Assisted with the biological evaluation that included a site visit to evaluate the potential for encountering threatened and/or endangered species and critical habitat within the project area. The project scope of work for biology reflected the required work necessary to address the conservation and management of the habitat and species.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) <b>Asbestos Surveys for Private Clients</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Completed asbestos surveys for commercial and residential properties throughout Arizona. Private clients include Quik Trip and the Northwestern Medical Center. The purpose of the assessment was to recommended actions to address identified asbestos containing materials.	<input checked="" type="checkbox"/> Check if project performed with current firm	



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a. NAME <b>Oliver Sullivan</b>	b. ROLE IN THIS CONTRACT <b>Environmental Technician</b>	c. YEARS EXPERIENCE	
		1. TOTAL 1	2. WITH CURRENT FIRM 1

d. LOCATION (City and State)  
 Engineering and Environmental Consultants, Inc.  
 7740 N. 16<sup>th</sup> Street, Suite 135, Phoenix, AZ 85020 .

e. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Geological Science	f. PROFESSIONAL TRAINING - REGISTRATIONS OSHA 24-Hour HAZWOPER
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g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)  
 • Arizona State University Geology Club  
 • Society for Mining, Metallurgy, and Exploration (SME)  
 • Arizona Geological Society  
 • American Institute of Professional Geologists

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>2704 E. 22<sup>nd</sup> Street – Phase I Environmental Site Assessment, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Performed a Phase I Environmental Site Assessment at 2704 E. 22nd Street in Tucson, Arizona.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (City and State) <b>Abandonment of 6 Drywells near I-10 and Baseline Road, Tempe, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Assessed and abandoned six drywells located near the northwest corner of I-10 and West Baseline Road in Tempe, Arizona. Abandonment was occurring as part of ADOT's advanced property acquisition for the planned widening of I-10.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (City and State) <b>ADOT Municipal and Facilities Stormwater Sampling</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Conducted stormwater monitoring at five ADOT Municipal Separate Storm Sewer System (MS4) outfall locations and four ADOT facilities during the summer sampling season.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (City and State) <b>City of Scottsdale Stormwater Permit Support, Scottsdale, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided support for City of Scottsdale's stormwater permit compliance program.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (City and State) <b>Hickman's – Desert Pride Facility, Tonopah, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Assisted in preparing design documents and permit applications for a domestic water supply system to the new Hickman's Desert Pride facility located in Tonopah, Arizona.	<input checked="" type="checkbox"/> Check if project performed with current firm	



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a. NAME <b>James Robertson</b>	b. ROLE IN THIS CONTRACT <b>Engineering Designer</b>	c. YEARS EXPERIENCE	
		1. TOTAL 30	2. WITH CURRENT FIRM 1
d. LOCATION (City and State) Engineering and Environmental Consultants, Inc. 7740 N. 16 <sup>th</sup> Street, Suite 135, Phoenix, AZ 85020			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>Potato Barn, Scottsdale, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Services for this 2.4 acre site include conceptual design services, final grading and drainage, SWPP, on-site utilities, easement exhibits, legal descriptions and on-site drainage report.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>St. Francis Church, Phoenix, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Services provided to this 6.5 acre site is located within the heart of Central Phoenix for this multi-phase project on a landmark church included onsite grading and drainage plans; SWPPP; private water, sewer and fireline plans and an onsite drainage report. This project incorporated 75,000 cf of StormTech underground retention constructed beneath the new parking lot addition.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>Plaza 89, Prescott, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided engineering services for hillside office commercial parcel.	<input type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>Lakeview Plaza, Prescott, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided engineering services for hillside office commercial parcel	<input type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Troon Village/Troon North, Scottsdale, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 1998	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Provided engineering services for a master planned community including 11 different subdivisions. Services included coordination with Troon's lead engineer regarding subdivision layout and utility servicing. Preparation and submittal of preliminary reports/site plan for municipality approval. Coordination of water, sewer, and drainage report preparation and approval, manage/design preparation of final plat and improvement plans. Construction observation was provided for select subdivisions.	<input type="checkbox"/>	Check if project performed with current firm



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**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 <b>David Rivard</b>	b. ROLE IN THIS CONTRACT <b>Construction Survey Manger</b>	c. YEARS EXPERIENCE	
		1. TOTAL 39	2. WITH CURRENT FIRM 13
d. LOCATION (City and State) Engineering and Environmental Consultants, Inc. 4625 E Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION (DEGREE AND SPECIALIZATION)		f. PROFESSIONAL TRAINING - REGISTRATIONS	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>As-Needed Surveying Services, Pima County, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2001	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provided surveying services on an as-needed basis for projects in Pima County. The projects ranged from staking bank protection for 7.2 miles of the Santa Cruz River, to topographic and boundary surveying for a portion of River Road. In addition, his crew provided construction staking for a portion of the new Sabino Canyon Road/Kolb Road intersection.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Sahuarita Road and Nogales Highway Construction, Sahuarita, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Supervised the plan checking calculations and staking for 2.5 miles of reconstruction of Sahuarita Road, and 1.9 miles of realigned Nogales Highway.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>ASARCO Ray Facility, Kearny, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provided construction and as-built survey services for 6 individual projects for the ASARCO Ray Facility.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>On-Call Civil Survey and Drafting Services, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 1999	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provided surveying services during construction on an on-call basis. The work orders included three sets of easement legal descriptions and drawings, services during construction of a gas chlorination system, design modifications for a potable water booster station, design modifications to a potable water well site, alternatives evaluation for a water supply problem, and design and services during construction for a series of grade control structures, filter system, settling basin, and recharge well.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Valencia Road, Casino del Sol to Camino de la Tierra, Pima County, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2008	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provided photo control and mapping for 3 miles of roadway. Right-of-way was determined by utilizing road maps and existing monuments. EEC completed digital design surveys of all intersections and driveways, boundary surveys of adjacent parcels and section breakdowns. The project was surveyed using a modified State Plan coordinate system and was tied vertically into NAVD 88 datum.	<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 <b>Matthew Mishko-Scott</b>	b. ROLE IN THIS CONTRACT <b>Survey Crew Chief</b>	c. YEARS EXPERIENCE	
		1. TOTAL 13	2. WITH CURRENT FIRM 9
d. LOCATION (City and State) Engineering and Environmental Consultants, Inc. 4625 E. Fort Lowell Road, Tucson, AZ 85712			
e. EDUCATION (DEGREE AND SPECIALIZATION)		f. PROFESSIONAL TRAINING - REGISTRATIONS	
		<ul style="list-style-type: none"> <li>• NICET Level III, #124131</li> <li>• MSHA Part 48</li> <li>• OSHA Fall Protection</li> </ul>	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) NICET Level III Transportation Engineering Technology/ Highway Surveys			

**H. RELEVANT PROJECTS**

1.	(1) TITLE AND LOCATION (City and State) <b>University Medical Center Cancer Treatment Center Design, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2004	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provided surveying services including control and construction staking for the Phase I civil design improvements for the renovation of the Tucson General Hospital facility located on Campbell Avenue in Tucson. The project was a design-build project that included the concurrent approval of a planned area development rezoning along with a site plan prior to any engineering design	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) <b>Construction Staking for Eloy Prison Complex, Eloy Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2005	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Conducted a boundary survey as well as set horizontal and vertical control to build a prison complex which included all aspects of construction staking. Before the prison was completed, we were notified that we had also gained the construction staking job at another site (Red Rock Correction Center) also managed by Moss & Associates.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) <b>Forward Operating Bases for the United States Border Patrol in Ajo, Arizona, Douglas, Arizona and Animas, New Mexico</b>	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Gathered information pertaining to the boundary and topographical needs of 3 separate F.O.B's. Led the construction staking at all 3 sites that included roadways, basins, drainage channels, underground utilities, building pads, sewer lines, slope staking, blue tops, and a helicopter landing pad. Met and coordinated with contractors/owners to provide a construction timeline that would insure the jobs were completed ahead of schedule and under budget. After construction was started at the first site, 3 more jobs from the client were retained for future staking.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) <b>Canoa Ranch Bore, Tucson Electric Power, Tucson, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2005	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  TEP wanted to install a 730' long bore under I-19 south of Green Valley. ADOT wanted to be assured that the boring activity did not compromise the integrity of the Interstate. As the lead Crew Chief, we staked the vertical and horizontal alignment of the 42" casing, which is one of the largest diameter casings at this length and monitored the asphalt for movement on a daily basis for 4 months.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) <b>Sahuarita Road and Nogales Highway Construction, Sahuarita, Arizona</b>	(2) YEAR COMPLETED	
		Professional Services 2005	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE  Provided pre-construction design topography, boundary, horizontal and vertical control for over 2.5 miles on Sahuarita Road and 2 miles of Nogales Highway. As lead Crew Chief I conducted all aspects of the construction staking of the extensive roadway realignment which included 4 lane roadways, slope staking, right-of-way staking, and drainage channels.	<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 <i>(City and State)</i> <b>Spring Training Multi-Use Facility, Mesa, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2014

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER City of Mesa	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$123,390	e. TOTAL COST OF PROJECT \$3.5M
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

EEC designed four multi-use sports fields to serve the dual purpose of soccer and other recreational uses but also as a parking area for overflow parking during the Chicago Cubs spring training games. In addition to the development of the playing fields, this project also included sports lighting for the playing fields and grading so that the field and existing parking lot would match grades. The EEC team worked with Haydon Building Corp as the Construction detailed Manager at Risk (CMAR) to develop the approximately 25 acre site. While working on this project, EEC prepared drainage plans for the existing storm drain system and newly developed areas, developed final grading and drainage plans (including detailed cross sections for the CMAR), developed plans for the removal of the existing water service facilities and provided new modifications to the potable water serving the restroom/concession facilities.

Additionally, EEC worked with various subconsultants to:

- Develop electrical design documents
- Determine the adequacy of the sewer servicing the existing restroom/concession facility
- Develop construction documents for the landscaping and also provided architectural design documents for the restroom/maintenance/concession facility.

**Project Scope:** Design for four multi-use sports fields that serve the dual purpose of soccer and recreational uses as well as a parking area for overflow parking during Chicago Cubs spring training games.

**Project Size and Length:** 25 acres

**Principal Elements:** This project encompassed a comprehensive team of disciplines either provided by EEC or our subconsultants and included lighting and electrical engineering, landscape design, irrigation, surveying, architectural components, Turf agronomy, and geotechnical engineering.

**Relevance:** This project is relevant to this contract because it shows EEC's thorough and extensive technical ability to work with a diverse selection of specializations on a municipal project with strong consideration to cost and time.



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*(Present no more than five (5) projects. Complete one Section 5 for each project.)*

a. TITLE AND LOCATION <i>(City and State)</i> <b>Sahuarita Road, La Villita to Eastern Town Limits, Sahuarita, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i> \$32M (estimate)

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER Town of Sahuarita Public Works	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Engineering Design Fee \$4.5M	e. TOTAL COST OF PROJECT NA
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**f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)**

This is a \$32 million Regional Transportation Authority(RTA) funded project consisting of the 4-lane, urbanized 5-mile widening of the existing 2-lane strip paved roadway for the Town of Sahuarita to Pima County's Roadway Design Manual standards. This project requires the collaborating efforts of design surveys, roadway and drainage design, environmental studies, landscape and bridge design, geotechnical studies, utility coordination, and right of way services. This collaboration continues with the CM at Risk contractor completing the first phase of work while designs are being completed on the final phases. Benefits of this collaboration arose concerning the overbank flooding of the Santa Cruz River. All-weather access design resulted in an elevated roadway embankment with extensive cross culvert and training levee components necessary to control this flow. We were asked to assess lowering the road to maintain the status quo for flooding and avoiding the expense now of potential throwaway improvements. Our investigation determined that the new roadway could be lowered without worsening the flooding conditions. Community leaders publically acknowledged that roadway overtopping would still occur infrequently as it had done twice in the last 30 years. Tabulation of quantities saved included items for borrow, box culverts, levee armoring and right of way.

Our roadway designers worked with our river mechanics and local drainage designers to allow modeling of the proposed condition to confirm the status quo could be preserved. Agency technical staff communicated with community leaders and consensus was derived at both the technical and political levels. Similarly, the original design concept included a grade-separated crossing of the Union Pacific Nogales mainline and siding. Through soil borings, data collection and alternative analyses the design team determined the existing soils did not have capacity to support the additional overburden without significant investments in soils mitigation. In this instance our roadway designers, geotechnical scientists and structural designers worked collaboratively with agency technical staff to model and tabulate quantities for alternate designs. This enabled community leaders to reach a consensus and resulted in project that is a greater community benefit.

**Project Scope:** Provide comprehensive engineering roadway design services of a 4-lane, 5-mile widening of an existing roadway.

**Project Size and Length:** 5-miles of a 4-lane roadway.

**Principal Elements:** This project encompassed a comprehensive team of disciplines either provided by EEC or our subconsultants and included environmental analysis, geotechnical analyses, hydraulic and hydrologic modelling, coordination with railroad, right of way services, landscape design, bridge design, roadway design, surveying, public relations, and quantity and cost analysis.

**Special Features:** Project included collaboration with a Construction at Risk contractor to develop Value Engineering Solutions early on in the project.

**Relevance:** This project is relevant to this contract because it shows EEC's thorough and extensive technical ability to provide many different engineering design services, related to roadway, paving and drainage. Additionally, providing excellent customer service and coordination abilities with municipal agencies and utility companies for a successful project.



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**AMPLE 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	
<b>Town of Oro Valley – On Call (Water/Wastewater Contracts) Oro Valley, Arizona</b>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<b>23. PROJECT OWNER'S INFORMATION</b>			
c. PROJECT OWNER	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT	
Town of Oro Valley	\$400,000	On-Call not to exceed \$400,000	

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

EEC has been providing on-call civil design services to the Town of Oro Valley on this contract since 2009. Relevant tasks have included:

- **Waterline interconnect pipeline and appurtenances:** Provided professional engineering and design services for the addition of a new Tucson Water/CAP interconnection site to include new pipeline and metering, electrical upgrades and monitoring equipment, and site facility improvements to include site wall and enclosure gate additions. EEC provided alignment analysis, base sheet preparation and detailed design plans and documents. Water Line Replacement (of varying diameters) – As part of the on-call design services, EEC also provided design analysis for recommendation of water distribution system replacement and interconnection. Provided the design of approximately 18,000 L.F. of new 8" water mains, replacing a 4" AC distribution system plus interconnecting four additional cul-de-sacs to Oro Valley Water Utility system, currently being served by Tucson and Metro Water. The project crosses existing residential neighborhoods streets, public streets, washes, and it will have to directional bore under newly road improvements. Connections will loop an existing 6" system; the new system will also provide a new 8" pressure reducing station
- **PRV Modifications** – EEC also provided design analysis and detailed design for the Pressure Reducing Valve modifications for Big Horn Butte Drive and Linda Vista and La Canada location. Services included survey and mechanical details to prepare a construction plan set.
- **Reclaimed Waterline** – Additional on-call tasks included providing engineering and design services for the addition of a new 12-inch reclaimed waterline along Naranja Drive and along Guava Drive to a proposed field site. EEC prepared a preliminary alignment analysis and conducted utility research and developed base sheets for final design drawings. This task also included design of new 6-inch potable waterline from Naranja Drive along Guava Drive to the new field site.

**Project Scope:** This scope includes assessment of existing water and reclaimed water infrastructure network system and assist client in developing the most feasible and economical alignment and final design. This on call contract encompasses tasks from pre-design analysis, surveying, alignment study, utility research, detailed design plans and specifications, and post design assistance. The on-call amount is capped at \$400,000 under this on-call.

**Project Size and Length:** Project size varies in scope from 4" to 12" pipelines from a few 100ft to 1000's ft of pipeline.

**Principal Elements:** Full Engineering services from Planning, Surveying, Design through Construction.

**Special Features:** Assessment of water and reclaimed water network system and developing solutions to provide better service capacity and pressure to customers.

**Relevance:** This project is relevant to this contract because it shows EEC's technical ability through a wide range of services and customer service orientation to be able to maintain an on-call for many years. EEC is a "go to" firm for the Town and they are confident we will deliver a quality product that is on time and within budget.



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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	
Maricopa County Sheriff's Office (MCSO) Headquarters	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> 2013

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
Maricopa County	Engineering Design Fee \$107,200	N/A

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)  
 EEC was initially hired to evaluate and assess 10 different project locations for the new facility. A final deliverable of a report was delivered to the client that addressed the cost implication and feasibility of pros and cons of each site. The client then chose the site they felt was the most appropriate and cost effective to build the new facility. The final site location was selected in the downtown area of Phoenix.  
 Engineering design services included support for the new 165,000 square foot building. These services consisted of on-site and off-site improvements, hardscape, half street paving for the adjacent streets, establishing building floor elevation, storm water retention, on- and off-site, utility plans, a water and sewer report, and storm water pollution map. As part of the project, the City of Phoenix required an existing offsite waterline be upsized along the property frontage. EEC prepared water mainline plans for submission and approval to the City for upsizing a 6" waterline to an 8" for approximately 400 linear feet in Madison Street. The City also elected to include off-site storm drain in this project since it was adjacent to the property. Under a separate contract with the City, EEC completed approximately 850 linear feet of large diameter storm drain plans as part of the City storm water infrastructure. These plans were incorporated into and constructed with the County project. NRG Energy of Phoenix was able to enter into an agreement with Maricopa County to provide chilled water services to this facility instead of building a central plant on-site. Under a separate contract with NRG, EEC completed engineering design plans for dual 24" diameter chilled water lines to the County Facility. The project limits were from the intersection of 4<sup>th</sup> Avenue to just west of 5<sup>th</sup> Avenue where they entered the new building, approximately 500 linear feet within Madison Street. EEC also provided post design services for the County project and as-built documents for the NRG chilled water lines and City of Phoenix water mainline.

**Project Scope:** Provide on-site and off-site engineering services for the new MCSO Headquarters. Services include paving, grading, drainage, storm drain, water line, sewer line and fire line.

**Project Size and Length:** On-site project consists of approximately 2.9 acres and off-site consists of approximately 1,250 linear feet of roadway and infrastructure improvements.

**Principal Elements:** Site evaluation and recommendation from 10 different locations, utility coordination in the downtown area and design elements for a high level security site and building.

**Special Features:** Project includes a secure sub-surface basement with on-site elements and security features to protect the facility.

**Relevance:** This project is relevant to this contract because it shows EEC's technical ability to provide many different engineering design services. Additionally, providing excellent customer service and coordination abilities with municipal agencies and utility companies for a successful project.

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a. TITLE AND LOCATION <i>(City and State)</i> <b>ARSARCO Ray Mine: Seepage Collection System, Kearny, Arizona</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES On-Going	CONSTRUCTION <i>(If applicable)</i> 2013

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER ARSARCO Ray Mine	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Engineering, Permitting and Construction Assistance: \$146,500	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)  
 This project was a permitting, engineering design and construction assistance project. EEC assisted Asarco Ray in consolidating two Aquifer Protection Permits into one. The project began in November 2012 as a permitting task which included working with the Client in preparing all required technical and administrative documents for inclusion with the permit application submittal.

As part of the required documents, EEC was tasked with developing an engineered solution to eliminate or bring into compliance several unpermitted impoundments and design a collection system to separate tailings seepage from the storm water collection system. EEC conducted field work and reviewed data including water quality sampling, geophysical analysis, water level data, historical and current topography and drainage characteristics. Using the results of the data, a new seepage collections system was sited and designed. This new collection system consisted of a semi-lined buried trench with a combination of perforated and solid pipe collecting subsurface seepage from the tailings facility. The partially lined trench was designed for limiting storm water from entering the seepage collection system, while maximizing collection of seepage flow. Two non-permitted impoundments were eliminated from the system by construction a headwall and pipe inlet and discharge system at seep locations.

EEC prepared engineering design documents for the seepage collection system and assisted the Client in reviewing contractor bids and procuring a qualified contractor. EEC provided Construction Assistance during the construction phase and reviewed shop drawings, responded to contractor requests for information, attended weekly project meetings, and provided weekly inspection support and coordination of QA/QC materials testing sub consultants.

**Project Scope:** \$146,500 (permitting, design, construction administration, and final as-built documentation fee)

**Project Size and Length:** \$550,000 (estimated final construction cost). Approximately 1700 LF of 15-inch and 16-inch pipe with rock trenching and drainage grading, grading, pipe relocation and headwalls.

**Principal Elements:** Trenching (including rock trenching) within existing drainage channel, perforated and solid pipe system, trench liner system, drainage analysis, site grading, headwall and inlet/outlet collection system, hydraulic analysis

**Special Features:** Semi-Lined trench and collection system, use of geocomposite/HDPE liner system, dewatering system during construction, use of acid resistant concrete for headwalls.

**Relevance:** This project is relevant to this contract in that it demonstrates EEC's regulatory knowledge and ability to assist clients in local, county and state permitting and environmental requirements. This project also highlights EEC's engineering design ability and our emphasis in developing solid and unique solutions to Client issues. As an added benefit, EEC also can provide assistance during construction, as shown in this project. Because of our knowledge of project design, we are able to translate that knowledge into the field and provide added insight during construction.



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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>Environmental Services Contract City of Phoenix</b>	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES <b>On-Going</b>	CONSTRUCTION <i>(If applicable)</i> <b>N/A</b>

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER <b>City of Phoenix</b>	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT <b>\$101,500.00</b>	e. TOTAL COST OF PROJECT <b>On-Call not to exceed \$500,000</b>
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(include scope, size, and length of project)*  
EEC has provided the City of Phoenix with Phase I, II, and III Environmental Site Assessment (ESA) on-call services since 2003 (multiple renewed contracts). ESA Activities under this on-call have been completed on behalf of the Light Rail Transit System, Community Noise Reduction Program, Neighborhood Services, Parks and Recreation Department, and Street Department. EEC has completed 29 ESAs under the current contract (since July 2012) and has completed nearly 300 since our first on-call was awarded in 2003. Properties assessed under this on-call have included residential, commercial, light industrial, and right-of-way. Phase I ESA activities are conducted in accordance with ASTM 1527-05 and general requirements as required by the City of Phoenix.

Phase II ESAs have been conducted for approximately 18 properties and have included investigation and assessment of hazardous and petroleum products. Such assessments have included investigation of underground storage tanks (USTs), determination if a leaking UST has impacted a right-of-way, petroleum spills and releases from automotive related activities, and assessment of aboveground storage tank (AST) releases. EEC employed a variety of investigation techniques during completion of the Phase II investigations to include hand auger, hollow stem auger, direct-push, and ground penetrating radar. These investigations have resulted in one Phase III ESA being conducted by EEC. The Phase III included the excavation and removal of petroleum contaminated soil as a result of a property owner dumping a 55-gallon drum of used oil.

**Project Scope:** This scope includes assessment of real property for hazardous and petroleum products under the ASTM 1527-05 standard. The dollar amount of work completed to date under the current on-call is \$101,500. The on-call amount is capped at \$500,000 under this on-call (current on-call expires June 30, 2014).

**Project Size and Length:** Project size varies from a few square feet for a right-of-way to a few acres for larger property acquisitions.

**Principal Elements:** Determination if a Recognized Environmental Condition exists for a property the City is considering acquiring. Includes investigation and assessment of hazardous and petroleum products.

**Special Features:** Assessment of a wide variety of properties. Also includes working closely with City personnel to meet budget and timeframe constraints.

**Relevance:** This project is relevant to this contract because it shows EEC's technical ability and customer service orientation to be able to maintain an on-call for 10 years and win multiple awards. EEC is a "go to" firm for the City of Phoenix and they are confident we will deliver a quality product that is on time and within budget.



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.)

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:	60%
b. Percentage of Total Work Attributable to Non-Government Work:	40%

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

Signature: [Signature] Date: 12/29/14

Name: Ray Montoya Title: President/ CEO

# Engineering and Environmental Consultants, Inc.

## Company Profile

Engineering and Environmental Consultants, Inc. (EEC) is an employee-owned, Arizona-based, multi-discipline civil engineering and environmental services firm specializing in creative, cost effective solutions to the engineering challenges of Arizona. We provide a full range of services with professionals in our Tucson and Phoenix offices. Since 1987, EEC has been providing services to federal, state, and municipal agencies and the private sector.



## Environmental Services

- Asbestos and Lead-Based Paint Inspections
- Facility Decommissioning
- Landfill Services
- Phase I and II Environmental Site Assessments (ESAs)
- Soil and Groundwater Remediation
- Stormwater Permitting, Reporting and Compliance
- Subsurface Site Investigations
- Underground Storage Tank Assessment and Removal
- Water Resources and Watershed Management
- NEPA Compliance

## Flood Control and Drainage

- Watershed Master Plans and Drainage Studies
- Drainage Infrastructure Design
- Clean Water Act/404 Permitting
- Flood Studies/Floodplain Delineation
- Grading and Drainage Plans

## Land Development

- Commercial and Residential Plats and Plans
- Development Plans
- Supporting Infrastructure
- Parking Facilities

## Mining

- Permitting Assistance
- Engineering
- Closure Assistance

## Land Surveying

- ALTA/ACSM Land Title Surveys
- Boundary and Topographic Surveys
- Construction Staking
- Design Surveys
- Legal Descriptions and Exhibits
- Locating and Setting Property Pins

## Transportation

- Rural Highway Planning and Design
- Urban Arterial Planning and Design
- Local/Collector Street Improvements
- Multi-Modal Transportation Improvements
- Intersection Improvements

## Water and Wastewater

- Master Planning
- Water and Wastewater Conveyance Design
- Water Treatment Plant Design
- Wastewater Treatment Plant Design
- Permitting Assistance
- Reclaimed Water Conversions
- Plan Review Assistance
- Construction Administration

civil engineering  
environmental services  
flood control and drainage  
land surveying  
transportation  
water and wastewater

4625 E. Fort Lowell Road  
Tucson, AZ 85712  
Tel 520-321-4625  
Fax 520-321-0333

7740 N. 16<sup>th</sup> Street, Suite 135  
Phoenix, AZ 85020  
Tel 602-248-7702  
Fax 602-248-7851

**eec**  
eec-info.com

# Company Overview: Project Experience



## Aquifer Protection Permits

- ADEQ Expedited APP and AZPDES Permitting
- Gila River Power Station APP Amendment
- ASARCO Ray Aquifer Protection Permit Amendment
- Apache Generating Station APP Amendment
- Slide Rock State Park Aquifer Protection Permit

## Environmental Planning and NEPA

- ADOT Environmental Clearance for I-19/Sahuarita Road Traffic Interchange
- ADOT Environmental Clearance for Davis Road Highway Improvements
- Land Use Exchange EA for City of Mesa
- Range Development EA for Florence Military Reservation

## Training

- Cities of Scottsdale and Phoenix Stormwater Inspection Training
- City of Tempe Stormwater and SPCC Training
- City of Phoenix Airports Annual SWPPP Training
- City of Scottsdale Stormwater Visual Assessment Training
- Cities of Phoenix and Scottsdale Illicit Discharge Detection Training

## Water Projects

- Avra Valley Transmission Main, Tucson Water
- Kitt Peak National Observatory Water System Renovation Project
- Federal Correctional Institute Phoenix – Potable Water Treatment Addition
- Queen Creek Reclaimed Water Transmission Main, City of Chandler
- Tatum Boulevard and Pinnacle Peak Road 36" Water Main, City of Phoenix

## Wastewater Projects

- Ocotillo Water Reclamation Facility Maintenance and Operational Improvements, City of Chandler
- Brown Road Wastewater Line, City of Mesa
- Chandler Infill Reclaimed Water Transmission Main
- Slide Rock State Park Wastewater Treatment Plant
- Arizona Reflections Reclaimed Water Irrigation System Conversion

## Flood Control and Drainage

- Downtown Storm Drain Improvements Phase 1 and 2, City of Phoenix
- Metro Phoenix Area Drainage Master Plan
- Zone A Floodplain Delineation Study, Ak-Chin Indian Community
- Rancho Bella Vista Drainage Mitigation, Pinal County
- Park and Ride Catch Basin/Drainage Improvements, City of Maricopa
- ASARCO Ray Mine Mineral Creek Side Channel Drainage Investigation

## Transportation

- 19<sup>th</sup> Avenue Bridge over the CAP, City of Phoenix
- Chandler Boulevard/Dobson Road Intersection Improvements, City of Chandler
- 51<sup>st</sup> Avenue Paving and Drainage Improvements, City of Phoenix
- Arizona Avenue and Plainview Roadway, City of Maricopa
- Interstate 19/Sahuarita Road Traffic Interchange DCR and Final Design, ADOT
- Interstate 10 Interim Widening, I-8 to SR 87

## Land and Facilities Development

- CAP Basin Recreational Complex, City of Scottsdale
- Granite Reef Senior Center, City of Scottsdale
- Fire Station Nos. 54, 57, and 59, City of Phoenix
- Reach 11 Recreation Complex, City of Phoenix
- Maricopa County Sheriff's Office and Administration Building, MCSO
- Engel Hall at Chandler-Gilbert Community College, Maricopa County Community College
- ASU Downtown Student Recreation Center, ASH
- Imagine Charter Schools–Apache Junction, Coolidge, Avondale, Surprise
- La Siena Senior Living, OPUS
- Washington Adult Center Expansion
- McDowell Village Senior Living
- Vineyard Christian Fellowship Church
- Riverview Estates, Tucson
- Rancho del Lago Estates, Tucson
- Morning Star Airpark, Cochise County
- Whetstone Hills Estates, Benson

## Land Surveying

- Magee Road Right-of-Way Acquisition, Pima County
- La Cholla Boulevard Legal Descriptions, Pima County
- Sahuarita Road Construction Staking, Town of Sahuarita
- Gypsum Mine ALTA Survey
- Fort Huachuca UXO Clearance Surveys

## Stormwater Permitting and Compliance

- City of Scottsdale Stormwater Permit Support
- Tempe MSGP Stormwater Pollution Prevention Plan
- Avondale De Minimis General Permitting
- ADOT Stormwater Sampling and Compliance Assistance Statewide
- City of Phoenix Aviation Department MSGP Compliance Support
- Phoenix Stormwater Feasibility Study
- City of Phoenix Illicit Discharge Detection and Elimination

## Asbestos Surveys and Abatement Oversight

- Arizona Department of Corrections, Globe Library Asbestos Survey
- City of Scottsdale, Brett's Barn
- Arizona Department of Corrections, Perryville Asbestos Survey
- Northwest Medical Center Asbestos Survey, Tucson
- La Posada Asbestos Survey, Winslow

## Air Quality Permitting/Compliance

- Irontex Site Investigation, Characterization, Remediation and Closure
- TecoMetrix/ESCO Air Quality Permitting
- Brock Technologies Environmental Compliance

## Environmental Site Assessments (Phase I, II, and III)

- City of Phoenix Phase I and II ESAs
- City of Mesa Phase I and II ESAs
- ADOT Phase I ESAs
- City of Scottsdale, Angus Facility UST Removal

