



Offer and Acceptance

State of Arizona
State Procurement Office

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

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

PAGE
1

Offeror: Engineering and Environmental Consultants, Inc.

OF
1

OFFER

TO THE STATE OF ARIZONA:

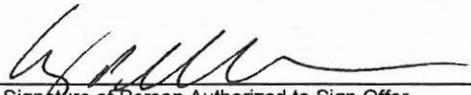
The Undersigned hereby offers and agrees to furnish the material, service or construction in compliance with all terms, conditions, specifications and amendments in the Solicitation and any written exceptions in the offer. Signature also certifies Small Business status.

Engineering and Environmental Consultants, Inc.
Company Name

4625 E. Fort Lowell Road
Address

Tucson AZ 85712
City State Zip

rmontoya@eecorp.com
Contact Email Address


Signature of Person Authorized to Sign Offer

Ray P. Montoya, PE
Printed Name

President, CEO
Title

Phone: (520) 321-4625

Fax: (520) 321-0333

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

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

ACCEPTANCE OF OFFER

The Offer is hereby accepted.

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

This Contract shall henceforth be referred to as Contract No. ADSP016-00005916

The effective date of the Contract is March 1, 2016

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

State of Arizona
Awarded this 29 day of February 2016



Procurement Officer



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

STATE PROCUREMENT OFFICE
Department of Administration
100 North 15th Avenue, Suite 201
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(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 th Street, Suite 135
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85020
f. YEAR ESTABLISHED:	1987
(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@eccorp.com
k. NAME OF FIRM (If block 1a is a branch office):	Engineering and Environmental Consultants, Inc.



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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)
26	Community Facilities	4
4	Construction Management	1
8	Highways, Streets; Airfield Paving; Parking Lots	5
2	Irrigation; Drainage	3
35	Land Surveying	4
60	Phase I Environmental	1
1	Recreational Facilities (Parks, Marinas, Etc.)	1
4	Sewage Collection, Treatment, and Disposal	2
3	Stormwater Handling and Facilities	4
18	Topographic Surveying and Mapping	3
6	Water Resources; Hydrology; Groundwater	2
6	Water Supply; Treatment and Distribution	3
1	Wastewater Treatment Facility	1
1	Water Well Rehabilitation; Water Well Work	2
27	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.*)

a. NAME Ray P. Montoya, PE	b. ROLE IN THIS CONTRACT Principal/Water-Wastewater	c. YEARS EXPERIENCE	
		1. TOTAL 17	2. WITH CURRENT FIRM 2

d. LOCATION (*City and State*)
4625 E. Fort Lowell Road, Tucson, Arizona 85712

e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) B.S., Civil Engineering	f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer (Civil), Arizona, 1998, #38413
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- g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)
- Society of American Military Engineers
 - American Society of Civil Engineers
 - Construction Management Association of America
 - Arizona Water Association

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Town of Oro Valley Water Utility On-Call, Oro Valley, AZ	(2) YEAR COMPLETED	
		<table border="1"> <tr> <td>Professional Services Current</td> <td>Construction (if applicable) NA</td> </tr> </table>	Professional Services Current
Professional Services Current	Construction (if applicable) NA		
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE 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- and 12-inch water line replacements; and PRV modifications for Big Horn Butte and Linda Vista.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Qualified Consultants List - Conveyance, Pima County, AZ	(2) YEAR COMPLETED	
		<table border="1"> <tr> <td>Professional Services Current</td> <td>Construction (if applicable) NA</td> </tr> </table>	Professional Services Current
Professional Services Current	Construction (if applicable) NA		
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for on-call wastewater conveyance system design and engineering.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (<i>City and State</i>) 22nd Street Sewer Improvements CMAR, Pima County, AZ	(2) YEAR COMPLETED	
		<table border="1"> <tr> <td>Professional Services Current</td> <td>Construction (if applicable) NA</td> </tr> </table>	Professional Services Current
Professional Services Current	Construction (if applicable) NA		
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager providing gravity sewer system evaluation, alternative construction method analysis to include feasibility of pipe-bursting, open trench construction, and directional drilling to install major sewer improvements along a heavily trafficked roadway.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Sabino Creek Lift Station and Force Main, Pima County, AZ	(2) YEAR COMPLETED	
		<table border="1"> <tr> <td>Professional Services Current</td> <td>Construction (if applicable) NA</td> </tr> </table>	Professional Services Current
Professional Services Current	Construction (if applicable) NA		
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager providing sewer force main design and constructability analysis for this new pipeline installation within a potentially environmentally sensitive creek crossing.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Avra Valley Wastewater Treatment Facility, Pima County, AZ	(2) YEAR COMPLETED	
		<table border="1"> <tr> <td>Professional Services 2009</td> <td>Construction (if applicable) NA</td> </tr> </table>	Professional Services 2009
Professional Services 2009	Construction (if applicable) NA		
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Civil Engineer responsible for portions of the upgrade and expansion to the Avra Valley WWTP BNRD 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	



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

a. NAME R. Craig Allison, PE, RLS	b. ROLE IN THIS CONTRACT Transportation Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 35	2. WITH CURRENT FIRM 18
d. LOCATION (<i>City and State</i>) 4625 E. Fort Lowell Road, Tucson, Arizona 85712			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) MBA, Business Administration B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer (Civil), Arizona, 1998, #38413 Professional 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>) Sahuarita Road Phase II, La Villita to Country Club Road, Sahuarita, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for 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 landscape medians, curb, gutter, and sidewalk.	Professional Services 2014	Construction (if applicable) NA
		<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Davis Road, Central Highway to US 191, Cochise County, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for design of 2 miles of 2-lane rural road reconstruction including environmental clearance in compliance with NEPA requirements.	Professional Services 2014	Construction (if applicable) NA
		<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (<i>City and State</i>) US 83, North of Parker Canyon Lake to Canelo, Santa Cruz County, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for design of 2 miles of 2-lane rural road reconstruction including environmental clearance in compliance with NEPA requirements. Construction will be administered by ADOT.	Professional Services 2013	Construction (if applicable) NA
		<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (<i>City and State</i>) I-10 Mainline Widening, Jct. I-8 to SR 87, Pinal County, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for 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.	Professional Services 2013	Construction (if applicable) NA
		<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Battaglia Road Westbound Turn Lane, Pinal County, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for design of 0.5 miles of 2-lane rural roadway to provide new left turn access and correct congestion and safety issues, including grading and pavement widening, signing, marking, and guard rail to avoid utility conflicts.	Professional Services 2013	Construction (if applicable) NA
		<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 William B. Carroll, PE	b. ROLE IN THIS CONTRACT Site/Civil Engineering Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 38	2. WITH CURRENT FIRM 11
d. LOCATION (<i>City and State</i>) 4625 E. Fort Lowell Road, Tucson, Arizona 85712			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer (Civil), Arizona, 1981, #13478 Professional Engineer (Civil), New Mexico, 1988, #10439	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>)			
<ul style="list-style-type: none"> Metropolitan Pima Alliance Imagine Greater Tucson Regional Leadership Council 		<ul style="list-style-type: none"> PAG RTA Technical Management Committee Urban Land Institute Tucson Real Estate Advisory Council, Chair 	

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Rita Falcon Project – Target Fulfillment Center, Tucson, AZ	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for design and preparation of development plans and construction documents for the 133 acre Rita Falcon project, otherwise known as the Target Fulfillment Center. Provided site design and platting services and managed other professional services that were administered.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Involta Data Center, Tucson, AZ	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager providing engineering for the redevelopment of a 40,000 sf industrial building on 4.5 acres in Tucson.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Potter Place, Tucson, AZ	(2) YEAR COMPLETED	
		Professional Services Current	Construction (if applicable) NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager providing assistance to Miramonte Homes in the development of lots at Potter Place.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Hook M Ranch, Pima County, AZ	(2) YEAR COMPLETED	
		Professional Services Current	Construction (if applicable) NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for preparation of a site analysis and rezoning package for 716 acres of ranch land. The project was approved for 1736 single- and multi-family residential units with a 36 acre urban core while maintaining 170 acres of open space. The urban core will provide for professional, commercial and educational uses.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Crossing Point, Sierra Vista, AZ	(2) YEAR COMPLETED	
		Professional Services 2011	Construction (if applicable) NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for design and preparation of platting and construction documents for this 80 lot, 13 acre project infill housing project in the Fry section of Sierra Vista. Project also includes two one acre commercial lots for future use.	<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 Carrie C. Cote, PE	b. ROLE IN THIS CONTRACT Civil Engineer/Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 19	2. WITH CURRENT FIRM 10
d. LOCATION (<i>City and State</i>) 7740 N. 16th 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, 1995, #28832	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>)			
<ul style="list-style-type: none"> • Arizona Water Association • American Public Works Association 			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	ASARCO Ray Seepage Collection System, Kearny, AZ	2013	2013
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for installation of approximately 1,700 LF seepage collection system. Project included preparing design plans to meet Best Available Demonstrated Control Technology (BADCT) and prepare permit documents for submittal to ADEQ.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Buckskin Sanitary District New North WWTP Pre-Design, Parker, AZ	2013	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager assisting the District in locating a new 0.4 MGD wastewater treatment plant in the north section of the service area. Reviewed the site suitability for engineering and permitting limitations and provided preliminary facilities layout.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Downtown Storm Drain Improvements, Phoenix, AZ	2013	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for design of approximately 15,500 LF of storm drain piping for downtown Phoenix. New storm drain segments were designed to alleviate the flooding and ponding issues the City was experiencing and to meet the 10-year storm event.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Infill Reclaimed Transmission Mains, Chandler, AZ	2012	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for 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.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Ocotillo Water Reclamation Facility, Chandler, AZ	2011	2012
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager 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, and other upgrades.	<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 James “Jake” Griffin, PE	b. ROLE IN THIS CONTRACT Civil Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 29	2. WITH CURRENT FIRM 2
d. LOCATION (<i>City and State</i>) 7740 N. 16th 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	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>)			
<ul style="list-style-type: none"> • Arizona Association for Economic Development • Valley Partnership 			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Xavier College Preparatory, Phoenix, AZ	2014	2015
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for 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 and sewer plans.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	St. Francis Church, Phoenix, AZ	2014	2014
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for onsite grading and drainage plans, SWPPP, private water, sewer, and fireline plans, and an onsite drainage report to this 6.5 acre site with a landmark church.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	Arizona Game and Fish Regional Headquarters, Phoenix, AZ	2006	2007
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for civil design including master drainage report, offsite paving plan, onsite grading and drainage plans, stormwater management plans, onsite utility plans, and private sewer lift station.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	Potato Barn, Scottsdale, AZ	2014	2015
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for this 2.4 acre site including conceptual design services, final grading and drainage, SWPPP, on-site utilities, easement exhibits, legal descriptions, and on-site drainage report.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	Living Spaces, 67th Avenue and I-10, Phoenix, AZ	2013	2014
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for this 22.5 acre site including 50,000 sf of showroom, warehouse, and distribution. Included offsite paving, offsite sewer and water plans, onsite grading and drainage plans, SWPPP, private water, sewer, and fireline plans and onsite drainage report.	<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 Jacob Lomeli, PE	b. ROLE IN THIS CONTRACT Drainage Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 13	2. WITH CURRENT FIRM 8
d. LOCATION <i>(City and State)</i> 4625 E. Fort Lowell Road, Tucson, Arizona 85712			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer (Civil), Arizona, 2009, #49862	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i>			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Cochise College CTE Building Expansion, Douglas, AZ	2013	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Drainage Engineer for 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.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	Sahuarita Road Phase II, La Villita to Eastern Town Limits, Sahuarita, AZ	2014	NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Drainage Engineer for reconstruction of Sahuarita Road from La Villita Road to the Eastern Town Limits.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	Arizona Street, Bisbee, AZ	2012	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Drainage Engineer for roadway and transportation enhancements in Bisbee, AZ.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	Davis Road, Central Highway to US 191, McNeal, AZ	2013	NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Drainage Engineer for planning and design services on Davis Road in Cochise County, AZ.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	Northern Avenue Roadway, Tucson, AZ	2012	NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Drainage Engineer for development of plans and construction estimates for the cross slope modifications to Northern Avenue between West Cool Drive and West Paseo Norteno.	<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 Ryan Stucki, PE, LEED AP	b. ROLE IN THIS CONTRACT Project Manager/Site Civil	c. YEARS EXPERIENCE	
		1. TOTAL 15	2. WITH CURRENT FIRM 7
d. LOCATION (<i>City and State</i>) 4625 E. Fort Lowell Road, Tucson, Arizona 85712			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer (Civil), Arizona, 2003, #35926 LEED Accredited Professional	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>)			
<ul style="list-style-type: none"> Southern Arizona Homebuilders Association 		<ul style="list-style-type: none"> American Society of Civil Engineers US Green Building Council 	

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Golden Eagle Distribution Center Expansion, Buckeye, AZ	2014	2015
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for civil engineering services for this 16,000 sf expansion and associated entry drive. Project included a parking area designed to allow for maneuvering of delivery trucks. Included paving, grading, and drainage design along with SWPPP.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Green Valley Performing Arts and Learning Center, Green Valley, AZ	2010	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) 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.	Reid Park Zoo Entrance and Adaptive Recreation Center, Tucson, AZ	2009	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) 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.	Amphitheater Middle School, Tucson, AZ	2012	2013
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) 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.	Amphitheater High School, Tucson, AZ	2012	2013
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) 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 E. Bruce Wilson, PE, RLS	b. ROLE IN THIS CONTRACT Project Manager/Site Civil	c. YEARS EXPERIENCE	
		1. TOTAL 45	2. WITH CURRENT FIRM 9
d. LOCATION (<i>City and State</i>) 4625 E. Fort Lowell Road, Tucson, Arizona 85712			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer (Civil), Arizona, 1975, #10011 Professional Land Surveyor, Arizona, 1984, #17569	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>)			
<ul style="list-style-type: none"> American Society of Civil Engineers 		<ul style="list-style-type: none"> Arizona Floodplain Managers Association University of Arizona Foundation 	

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Tucson Electric Power Substation Development General Engineering Services, Tucson, AZ	(2) YEAR COMPLETED
		Professional Services Ongoing
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for general engineering services, subconsultant coordination, administrative support services, preparation of substation development plans and supporting documentation, and grading plans for approval based on the development plans.	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Tucson Electric Power Santa Cruz River Scour Analysis at Drexel Road Crossing, Tucson, AZ	(2) YEAR COMPLETED
		Professional Services 2012
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for 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 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>) Tucson Electric Power Kantor-Valencia Drainage Design for Maintenance Road, Tucson, AZ	(2) YEAR COMPLETED
		Professional Services 2013
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager responsible for researching 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>) Tucson Electric Power Overton-La Cholla Substation, Tucson, AZ	(2) YEAR COMPLETED
		Professional Services 2013
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for 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>) Tucson Electric Power Camino del Cerro Substation, Tucson, AZ	(2) YEAR COMPLETED
		Professional Services 2007
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for 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 checked="" type="checkbox"/> Check if project performed with current firm



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a. NAME Bob Tenor, RLS	b. ROLE IN THIS CONTRACT Sr. Engineering Designer	c. YEARS EXPERIENCE	
		1. TOTAL 38	2. WITH CURRENT FIRM 7
d. LOCATION (<i>City and State</i>) 4625 E. Fort Lowell Road, Tucson, Arizona 85712			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>)		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Land Surveyor, Arizona, 1999, #33879	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Catalina Springs Memory Care, Oro Valley, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Senior Engineering Designer for a full range of site development work, including design of grading, paving, stormwater and utilities. The project was a new 26,000 sf direct care facility that was built on the west side of Oracle Road in Oro Valley.	Professional Services 2014	Construction (if applicable) 2015
<input checked="" type="checkbox"/> Check if project performed with current firm			
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Dr. Pandhi Dental Office, Tucson, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Senior Engineering Designer for engineering services to obtain the necessary permits for construction of 4,812 sf of dental offices on a 3.5 acre site. The project was designed to set the buildings on bridge decks using pier foundations to avoid dealing with protecting the steep slope.	Professional Services 2012	Construction (if applicable) 2013
<input checked="" type="checkbox"/> Check if project performed with current firm			
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Target Fulfillment Center, Tucson, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Senior Engineering Designer for development plans and construction documents for the 133 acre Target Fulfillment Center. Provided site design and platting design services. Included landscape architecture, SWPPP and monitoring, traffic impact analysis, street lighting and signalized intersection design, hydrology, septic system design, and construction observation.	Professional Services 2007	Construction (if applicable) 2009
<input checked="" type="checkbox"/> Check if project performed with current firm			
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Amphi School District Facilities Support Building, Tucson, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Senior Engineering Designer providing civil site design services related to a new building on the south portion of the existing Amphi Facilities property at 701 W. Wetmore Road.	Professional Services 2010	Construction (if applicable) 2011
<input checked="" type="checkbox"/> Check if project performed with current firm			
5.	(1) TITLE AND LOCATION (<i>City and State</i>) St. Joseph's Medical Office Building and Parking Garage, Tucson, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Senior Engineering Designer providing construction assistance and surveillance for the St. Joseph's Hospital medical office building and southwest parking garage.	Professional Services 2008	Construction (if applicable) 2009
<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 Bruce Brown, RLS	b. ROLE IN THIS CONTRACT Survey Manager	c. YEARS EXPERIENCE	
		1. TOTAL 25	2. WITH CURRENT FIRM 2

d. LOCATION (*City and State*)
4625 E. Fort Lowell Road, Tucson, Arizona 85712

e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) AAS, Land Surveying, 1982	f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Land Surveyor, Arizona, 2015, #60468
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g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Line 110, North Loop – DeMoss Petrie Reconductor STR Replacement, Tucson, AZ	2014	2014
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Survey Manager for construction services for the Line 110 North Loop replacement, from Grant Road to Ina Road. Staked new foundation poles, construction site/pad around the foundation poles and easements, and located all offsets and new structure locations after layout.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Sabino Creek Force Main and Lift Station, Tucson, AZ	2015	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Survey Manager providing a topographic survey to generate an accurate base map with 2' contours and all manmade and natural improvements that would affect design of the new force main.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	22nd Street Sewer Improvements, Tucson, AZ	2015	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Survey Manager for design improvements and upgrades for the existing gravity sewage conveyance pipeline along 22 nd Street between Alvernon Way and Craycroft Road.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Amphi School District New Elementary School, Oro Valley, AZ	2015	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Survey Manager for topographic survey services for a 10-acre parcel located in the Town of Oro Valley.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Yuma Proving Ground Visitor Center, Yuma, AZ	2014	2015
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Survey Manager for topographic survey and construction staking services for the construction of a new visitor center at the Proving Ground located in Yuma. Project also consisted of locating existing offsite utilities and setting two local benchmarks.	<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 Chad Hancock	b. ROLE IN THIS CONTRACT Field Services Manager	c. YEARS EXPERIENCE	
		1. TOTAL 14	2. WITH CURRENT FIRM 14
d. LOCATION (<i>City and State</i>) 4625 E. Fort Lowell Road, Tucson, Arizona 85712			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) B.S., Environmental Science		f. PROFESSIONAL TRAINING - REGISTRATIONS OSHA 40-Hour HAZWOPER AHERA Asbestos Building Inspector EPA Lead-Paint Building Inspector ADEQ Grade 1 Certification: Water Distribution ADEQ Grade 1 Certification: Water Treatment	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Los Reales Landfill Groundwater Remediation System Operations and Maintenance, Tucson, AZ	(2) YEAR COMPLETED
		Professional Services: Ongoing Construction (if applicable): NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Field Services Manager for regular O&M at the Los Reales Landfill WQARF site. Performs regular monitoring and system checks three times a week and produces monthly groundwater production reports for submittal to the City and the Arizona State Land Department.	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Harrison Road Landfill Groundwater Remediation System Operations and Maintenance, Tucson, AZ	(2) YEAR COMPLETED
		Professional Services: Ongoing Construction (if applicable): NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Field Services Manager for operation and maintenance of the groundwater remediation system at Harrison Road Landfill. TCE and PCE impacted groundwater is extracted from offsite groundwater wells and pumped back to the landfill for treatment by carbon filtration.	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Raymond Bliss Medical Center, Fort Huachuca, AZ	(2) YEAR COMPLETED
		Professional Services: 2012 Construction (if applicable): NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Environmental Technician for an asbestos inspection to identify and quantify asbestos-containing building materials in the Raymond W. Bliss Army Health Center. Samples of suspected asbestos-containing materials were collected from inside the facility.	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Congress Landfill Waste Characterization, Tucson, AZ	(2) YEAR COMPLETED
		Professional Services: 2007 Construction (if applicable): NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Environmental Technician for sampling and statistical analysis services for waste characterization at the City of Tucson's Congress Landfill.	<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Convention Center Central Energy Loop, Tucson, AZ	(2) YEAR COMPLETED
		Professional Services: 2008 Construction (if applicable): NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Environmental Technician for 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.	<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 John Burton	b. ROLE IN THIS CONTRACT Environmental Scientist/ Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 17	2. WITH CURRENT FIRM 13
d. LOCATION (<i>City and State</i>) 7740 N. 16th Street, Suite 135, Phoenix, AZ 85020			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) B.S., Environmental Science		f. PROFESSIONAL TRAINING - REGISTRATIONS OSHA 40-Hour OSHA 8-Hour AHERA Asbestos Building Inspector	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) APP, Stormwater and Spill Prevention Support, Phoenix, AZ	(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.	Professional Services 2013	Construction (if applicable) NA
<input checked="" type="checkbox"/>		Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Drywell Abandonment – Former Phoenix University Parking Garage, Phoenix, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for abandonment of four drywells associated with the former Phoenix University Parking Garage. Activities included transfer of ownership to ADOT, sampling the drywell sediment, comparison of data, removal of drywell chambers, and development of a final report.	Professional Services 2013	Construction (if applicable) NA
<input checked="" type="checkbox"/>		Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (<i>City and State</i>) City of Phoenix Stormwater Permitting Support/IDDE, Phoenix, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for oversight of an illicit discharge detention and elimination (IDDE) investigation for three dry weather flows within the downtown Phoenix area.	Professional Services 2013	Construction (if applicable) NA
<input checked="" type="checkbox"/>		Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (<i>City and State</i>) ADOT Stormwater Compliance/Assistance, Statewide, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for assisting ADOT with its NPDES/AZPDES Phase I and II MS4 permitting. This assistance includes permitting, updating of the SWMP, developing SWPPPs for construction and industrial sites, stormwater outfall mapping, conducting stormwater awareness courses, and community outreach.	Professional Services 2013	Construction (if applicable) NA
<input checked="" type="checkbox"/>		Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (<i>City and State</i>) ADEQ Ken and Mel's Soil and Groundwater Remediation, Lake Havasu, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project Manager for oversight of the installation of six air sparge wells, six soil vapor extraction wells, and removal of free product on groundwater. 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) NA
<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 James Robertson	b. ROLE IN THIS CONTRACT Engineering Designer	c. YEARS EXPERIENCE	
		1. TOTAL 30	2. WITH CURRENT FIRM 1
d. LOCATION (<i>City and State</i>) 7740 N. 16th Street, Suite 135, Phoenix, AZ 85020			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>)			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Potato Barn, Scottsdale, AZ	2014	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer providing services for this 2.4 acre site including conceptual design services, final grading and drainage, SWPPP, on-site utilities, easement exhibits, legal descriptions, and on-site drainage report.		<input checked="" type="checkbox"/> Check if project performed with current firm
2.	St. Francis Church, Phoenix, AZ	2014	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer providing services for this 6.5 acre site in the heart of Central Phoenix. This was a multi-phase project on a landmark church and included onsite grading and drainage plans; SWPPP; private water, sewer, and fireline plans, and an onsite drainage report.		<input checked="" type="checkbox"/> Check if project performed with current firm
3.	Plaza 89, Prescott, AZ	2007	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer for services related to a hillside office commercial parcel.		<input type="checkbox"/> Check if project performed with current firm
4.	Desert Mountain Development, Scottsdale, AZ	2008	2009
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer for engineering services for an 8,000 acre master planned community for 12 different subdivisions. Services provided included coordination with developers, architect, and planner regarding lot configuration and utility servicing.		<input type="checkbox"/> Check if project performed with current firm
5.	Troon Village/Troon North, Scottsdale, AZ	1998	NA
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer providing 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.		<input type="checkbox"/> Check if project performed with current firm



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a. NAME Kevin Andrews	b. ROLE IN THIS CONTRACT Engineering Designer	c. YEARS EXPERIENCE	
		1. TOTAL 15	2. WITH CURRENT FIRM 15
d. LOCATION (<i>City and State</i>) 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	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) RTA and City of Tucson DOT Bus Pullouts, Tucson, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer for design services for RTA bus pullouts at various locations along existing streets. Included surveying, drainage, pavement reconstruction, right of way acquisition, curb relocations, pedestrian facility modifications, traffic signal modifications, drainage and utility relocations.	Professional Services 2010	Construction (if applicable) NA
<input checked="" type="checkbox"/> Check if project performed with current firm			
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Sahuarita Road Phase II, La Villita to Eastern Town Limits, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer for improvement of 2.5 miles of Sahuarita Road, including widening from 2 lanes to a 4-lane divided roadway with multi-use lanes, sidewalks, bridges, bank protection, at-grade railroad crossings, culvert replacements, and landscaped medians and shoulders.	Professional Services 2014	Construction (if applicable) 2015
<input checked="" type="checkbox"/> Check if project performed with current firm			
3.	(1) TITLE AND LOCATION (<i>City and State</i>) I-10 Mainline Widening, Pinal Air Park to Cortaro Road, Marana, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer for the widening of 15 miles of I-10 from four to six lanes. The \$40 million project included widening 12 bridge structures, two ramps at the Cortaro TI, and the widening of Cortaro Road under the I-10 overpass to provide two additional abutment lanes.	Professional Services 2010	Construction (if applicable) NA
<input checked="" type="checkbox"/> Check if project performed with current firm			
4.	(1) TITLE AND LOCATION (<i>City and State</i>) US 191, Milepost 87.4 to Milepost 91.6 Drainage and Survey, Safford, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer 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 then new four lane roadway section located 30 miles south of Safford, AZ.	Professional Services 2005	Construction (if applicable) NA
<input checked="" type="checkbox"/> Check if project performed with current firm			
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Arizona Street, Bisbee, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer for post design services for a roadway and transportation enhancement on Arizona Street in Bisbee.	Professional Services 2011	Construction (if applicable) NA
<input checked="" type="checkbox"/> Check if project performed with current firm			



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a. NAME Ricardo Mesa	b. ROLE IN THIS CONTRACT Engineering Designer	c. YEARS EXPERIENCE	
		1. TOTAL 30	2. WITH CURRENT FIRM 11
d. LOCATION (<i>City and State</i>) 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>) Campo Bello Water Main Replacement, Oro Valley, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer for a water distribution system replacement and interconnection. Provided the design of approximately 18,000 LF of new 8" water mains, replacing a 4" AC distribution system plus interconnecting four additional cul-de-sacs to the Oro Valley Water Utility System.	Professional Services 2012	Construction (if applicable) NA
<input checked="" type="checkbox"/>		Check if project performed with current firm	
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Metro Water Three Waterline Connections, Tucson, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer providing design and preparation of construction documents for three waterline interconnections. The project areas were Windemere Street connection, Camino del Sur connection, and La Cholla Hills PRV.	Professional Services 2009	Construction (if applicable) NA
<input checked="" type="checkbox"/>		Check if project performed with current firm	
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Chandler Infill Reclaimed Water Distribution Mains, Chandler, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer for engineering design plans for 12,000 LF 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.	Professional Services 2005	Construction (if applicable) NA
<input checked="" type="checkbox"/>		Check if project performed with current firm	
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Silverbell Road, Cortaro to Ina, Marana, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer for utility coordination services for this roadway improvement project of one-mile of Silverbell Road to include a realigned intersection with Ina Road, four traffic lanes with a center two-way left-turn lane, multi-use (alternate travel mode) lanes, outside curb and gutter, drainage facilities and sidewalks.	Professional Services 2010	Construction (if applicable) 2011
<input checked="" type="checkbox"/>		Check if project performed with current firm	
5.	(1) TITLE AND LOCATION (<i>City and State</i>) 49ers Reclaimed Water Route Study and Design, Tucson, AZ	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Engineering Designer for preparation of 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 consisted of approximately 20,000 linear feet of 16-inch diameter pipe and approximately 20,000 linear feet of 12-inch diameter pipe.	Professional Services 2008	Construction (if applicable) NA
<input checked="" type="checkbox"/>		Check if project performed with current firm	



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5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

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

a. TITLE AND LOCATION (City and State) Spring Training Multi-Use Facility, Mesa, Arizona	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION (If applicable) 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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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> Sahuarita Road, La Villita to Eastern Town Limits, Sahuarita, Arizona	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	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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5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

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

a. TITLE AND LOCATION (City and State)	b. YEAR COMPLETED	
Town of Oro Valley – On Call Water/Wastewater Contract Oro Valley, Arizona	PROFESSIONAL SERVICES On-Going	CONSTRUCTION (If applicable) N/A

23. PROJECT OWNER'S INFORMATION

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 (City and State) Maricopa County Sheriff's Office (MCSO) Headquarters	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2013

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Maricopa County	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Engineering Design Fee \$107,200	e. TOTAL COST OF PROJECT N/A
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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 upsize 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 4th Avenue to just west of 5th 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 (City and State) ARSARCO Ray Mine: Seepage Collection System, Kearny, Arizona	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES On-Going	CONSTRUCTION (If applicable) 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 NA
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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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6. ADDITIONAL INFORMATION

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

Please see attached additional sheets.

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:

Date: 12/21/15

Name: Ray P. Montoya, PE

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
- NEPA Compliance

Drainage and Flood Control

- 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

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
- Aquifer Protection Permitting for Treatment Plants

4625 E. Fort Lowell Road
Tucson, AZ 85712
Tel 520-321-4625
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Fax 602-248-7851



Company Overview: Project Experience

Environmental Services

- Globe Library Asbestos Survey, Arizona Department of Corrections
- Brett's Barn, City of Scottsdale
- Perryville Asbestos Survey, Arizona Department of Corrections
- ADOT Environmental Clearance for I-19/Sahuarita Road Traffic Interchange
- ADOT Environmental Clearance for Davis Road Highway Improvements
- Range Development EA for Florence Military Reservation
- 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
- ADEQ Expedited APP and AZPDES Permitting
- Gila River Power Station APP Amendment
- Irontex Site Investigation, Characterization, Remediation and Closure
- TecoMetrix/ESCO Air Quality Permitting
- City of Phoenix Phase I and II ESAs
- City of Mesa Phase I and II ESAs

Drainage and Flood Control

- 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, Pina County
- Park and Ride Catch Basin/Drainage Improvements, City of Maricopa
- ASARCO Ray Mine Mineral Creek Side Channel Drainage Investigation
- Wickenburg Downtown Flooding Hazard Mitigation, Flood Control District of Maricopa County (FCDMC)
- Waterman Wash FDS an LOMRs, FCDMC

Land Surveying

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

Land Development

- CAP Basin Recreational Complex, City of Scottsdale
- Granite Reef Senior Center, City of Scottsdale
- Fire Stations Nos 54, 57 and 59, City of Phoenix
- Reach 11 Recreational Complex, City of Phoenix
- Maricopa County Sheriff's Office and Administration Building, MCSO
- Engle 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

Transportation

- 19th Avenue Bridge over the CAP, City of Phoenix
- Chandler Boulevard/Dobson Road Intersection Improvements, City of Chandler
- 51st 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

Water and Wastewater Projects

- 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
- NRG Energy 24" Chilled Water Mains
- 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

