

	Offer and Acceptance		State of Arizona State Procurement Office 100 N. 15 th Ave. Suite 201 Phoenix, AZ 85007
	SOLICITATION NO.: ADSP016-00005912 Request for Qualifications: 2016 Annual Professional Services List	PAGE 1	
Offeror:	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.

Rick Engineering Company

Company Name

3945 E Fort Lowell Road, Suite 111

Address

Tucson

AZ

85712

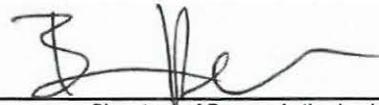
City

State

Zip

bpaton@rickengineering.com

Contact Email Address



Signature of Person Authorized to Sign Offer

Bruce Paton

Printed Name

Principal

Title

Phone: (520) 795-1000

Fax: (520) 322-6956

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/ X IS NOT a small business with less than 100 employees or has gross revenues of \$4 million or less.

ACCEPTANCE OF OFFER

The Offer is hereby accepted.

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

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

The effective date of the Contract is March 1, 2016

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

State of Arizona
 Awarded this

29 day of February 2016



Procurement Officer



December 21, 2015

Statement of Qualifications for the

2016 Annual Professional Services List for the State of Arizona, State Procurement Office

SOLICITATION NO. ADSP016-00005912



6150 North 16th Street | Phoenix, AZ 85016 | 602.957.3350



December 21, 2015

State of Arizona
State Procurement Office
100 N 15th Avenue, Suite 201
Phoenix, AZ 85007

RE: ANNUAL PROFESSIONAL SERVICES LIST SOLICITATION NUMBER: ADSP016-00005912

To Whom It May Concern:

Providing the State Procurement Office with our multi-discipline design, planning, surveying, and engineering services means more to us than just sound professional principles. As Arizona corporations with offices in Phoenix and Tucson, Rick Engineering Company (RICK) will make every effort to ensure that the State receives the best professional services and work products possible.

Our firm is well-known for the diversity of services that we offer our clients. Our areas of expertise include Civil Engineering, Water Resources, Surveying/Mapping, Transportation Engineering, Urban and Land Planning, Traffic Engineering, Geographical Information System (GIS), and Landscape Architecture services. This array of design disciplines allows us to manage even the most complex projects in-house to assure optimum quality and efficiency. The advantage is not merely that we have the specialized skills required for a project, but that we can also better control the character, timing, and cost of our efforts, which is a direct and significant benefit to our clients.

RICK has completed hundreds of site and infrastructure projects for various public and private clients, including the Cities of Casa Grande, Eloy, Benson, Tucson, Glendale, and Surprise, as well as agencies such as Sun Corridor MPO, Lake Havasu MPO, Pima County, Mohave County, and ADOT. These projects have provided our design teams with the Arizona experience required to assist the State in future projects that will benefit the citizens of Arizona.

Rick Engineering Company stands ready with the experience, expertise, capabilities, and desire to support the variety of projects anticipated by the State. Please contact us at (480) 522-0330 or at dmiller@rickengineering.com

Sincerely,

A handwritten signature in blue ink, appearing to read "Dale Miller", with a stylized flourish at the end.

Principal

A handwritten signature in blue ink, clearly legible as "Dale E. Miller".

Dale Miller, PE
Contact / Project Manager



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

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

(If a firm has branch offices, complete for each specific branch office seeking work.)

1. **Annual Request for Qualifications**

a. FIRM (OR BRANCH OFFICE) NAME:	Phoenix Branch Office
b. FIRM (OR BRANCH OFFICE) STREET:	6150 N 16th Street
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85016
f. YEAR ESTABLISHED:	1955
(g1). OWNERSHIP - TYPE:	Arizona Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	N/A
h. POINT OF CONTACT NAME AND TITLE:	Dale Miller
i. POINT OF CONTACT TELEPHONE NUMBER:	(480) 522-0330
j. POINT OF CONTACT E-MAIL ADDRESS:	dmiller@rickengineering.com
k. NAME OF FIRM (If block 1a is a branch office):	Rick Engineering Company



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**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
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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:	Tucson Branch Office
b. FIRM (OR BRANCH OFFICE) STREET:	3945 E Fort Lowell Rd, Suite 111
c. FIRM (OR BRANCH OFFICE) CITY:	Tucson
d. FIRM (OR BRANCH OFFICE) STATE:	Arizona
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85712
f. YEAR ESTABLISHED:	1955
(g1). OWNERSHIP - TYPE:	Arizona Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	N/A
h. POINT OF CONTACT NAME AND TITLE:	Bruce Paton
i. POINT OF CONTACT TELEPHONE NUMBER:	(520) 795-1000
j. POINT OF CONTACT E-MAIL ADDRESS:	bpaton@rickengineering.com
k. NAME OF FIRM (If block 1a is a branch office):	Rick Engineering Company



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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)
20	Area Master Planning	4
35	Commercial Building (Low Rise); Shopping Centers	6
5	Construction Management	1
50	Construction Surveying	5
2	Digital Orthophotography	1
10	Dining Halls; Clubs; Restaurants	2
10	Geodetic Surveying; Ground & Airborne	3
20	Highways; Streets; Airfield Paving; Parking Lots	5
5	Hospital & Medical Facilities	5
5	Hotels; Motels	2
55	Housing (Residential, Multi-Family, Apartments, Condominiums)	7
20	Hydraulics & Pneumatics	4
5	Industrial Buildings; Manufacturing Plants	2
37	Infrastructure	6
20	Irrigation; Drainage	4
30	Land Surveying	5
35	Landscape Architecture	4
5	Libraries; Museums; Galleries	2
30	Office Buildings; Industrial Parks	5
11	Photogrammetry	2
0	Prisons & Correctional Facilities	1
12	Recreation Facilities (Parks, Marinas, Etc.)	3
18	Surveying; Platting; Mapping; Flood Plain Studies	4
45	Traffic & Transportation Engineering	6
20	Topographic Surveying & Mapping	4
25	Traffic Studies	2
10	Urban Renewals; Community Development	2
50	Water Resources; Hydrology; Ground Water	6
10	Zoning; Land Use Studies	2

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 Dale Miller, PE	b. ROLE IN THIS CONTRACT Contact/Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 38	2. WITH CURRENT FIRM 2

d. LOCATION *(City and State)* Rick Engineering Company, Phoenix, AZ

e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Civil Engineering	f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, AZ #34425
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g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
 American Society of Civil Engineers (ASCE) // American Council of Engineering Companies (ACEC) // Arizona Roads & Streets Conference Planning Committee // National & Arizona Association of County Engineers (AAE) // American Public Works Association (APWA) // Institute of Transportation Engineers (ITE) // National Society of Professional Engineers (NSPE)

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	CDBG 11th Street Improvement Project, Eloy, AZ	2015	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager and Lead Design Engineer. The project consists of the design and preparation of construction documents (plans, specifications, project manual, and estimates) for reconstruction and improvement of 11th street paving and waterline replacement (1/2 mile). Funding for the project is a CDBG through the State of Arizona Department of Housing.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Reconstruction of Shedd Road and Giles Street, City of Eloy, AZ	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. The project included the design for the reconstruction of 1 mile of Shedd Road, a detailed study of drainage in the corridor and design of spot gutter pan sections to improve drainage and eliminate areas of existing ponding, the replacement of 14 waterline crossings with new waterline pipe, and a pavement section analysis.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Main Street 12" Waterline Design, City of Eloy, AZ	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. Design of 4,500 linear feet of new 12" diameter C-900 PVC water main in Main Street from the Pump Station Site located south of the UP railroad north to Battaglia Road in Eloy. The design provides for connections to existing 12" waterlines on each end and with all crossing waterlines and services along the route; and boring/jacking beneath the UPRR tracks.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	First Street Sidewalk Project, Casa Grande, AZ	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. RICK conducted the survey, preliminary, and final design for the complete reconstruction of sidewalks, curb sections, and a limited amount of street pavement, where needed, on each side of 1st Street within the 2½ block project limits. The objective was to provide an ADA-compliant corridor where the existing sidewalks were atop tall curbs, had steep slopes at driveway crossings, lacked compliant curb ramps and even included a set of steps. Construction funded by a CDBG.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	ADOT On-Call Statewide Design Services for District Minor Projects, Various locations, AZ	2015	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer. a. US 70 & BIA 6 Intersection Improvements, San Carlos Apache Reservation: Improvements being designed include pavement widening and left turn lanes. b. Medlin Entrance Crossover US 93 Median, Wikieup: This task involved preparing a scoping letter, preliminary and final designs for the federally funded construction of a median crossover.	<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 Paton, PE	b. ROLE IN THIS CONTRACT Principal/Civil Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 31	2. WITH CURRENT FIRM 31
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Tucson, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, AZ #28674	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Town of Marana Subdivision Street Standards Manual Committee // Pima County Regional Wastewater Reclamation Department Standards Update Committee // The City of Tucson's Citizen's Stormwater Management Advisory Committee (SMAC) // American Society of Civil Engineers (ASCE) // Southern Arizona Home Builders Associate (SAHBA) Land Committee // State of Arizona Board of Technical Registration Enforcement Advisory Committee // American Council of Engineering Companies (ACEC) Board Member			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Gladden Farms Commercial Center, Marana, AZ	(2) YEAR COMPLETED	
		Professional Services 2008	Construction (if applicable) 2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge and Project Manager for this 22-acre, 13 building, 180,000 SF commercial center located within Gladden Farms. Extensive coordination with the adjacent infrastructure development of Tangerine Farms Road was required to facilitate the requirements of this large-scale project.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Tangerine Crossing Commercial Center, Marana, AZ	(2) YEAR COMPLETED	
		Professional Services 2007	Construction (if applicable) 2007
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge and Project Manager for this 27-acre, 15 building, 213,000 SF commercial center anchored by Fry's Marketplace. Project features included two separate 404 ACOE JW wash crossings, a traffic signal, and the widening of Tangerine Road. The site is bisected by a large wash requiring the design of two vehicular access bridges in order to provide connectivity throughout the site.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Houghton Town Center, Tucson, AZ	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge and Project Manager for this 115-acre master planned commercial center anchored by Walmart. Oversaw and managed the civil engineering, hydrology, surveying, and construction administration services.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Flagstaff Mall, Flagstaff, AZ	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge and Project Manager responsible for pavement and ADA rehabilitation services for this 35-acre mall. Also responsible for parking area reconfigurations and utilities design. Managed the civil engineering and construction administration services.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Sam Hughes Place, Tucson, Arizona	(2) YEAR COMPLETED	
		Professional Services 2008	Construction (if applicable) 2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge and Project Manager for this four acre mixed-use development adjacent to a historic neighborhood. The development features six buildings with commercial, retail, food services, and residential uses. Rick Engineering produced and processed a Development Plan as well as both on-site and off-site improvement plans for this project.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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100 North 15th Avenue, Suite 201
Phoenix, Arizona 85007

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

a. NAME Paul Iezzi, PE	b. ROLE IN THIS CONTRACT Civil Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 36	2. WITH CURRENT FIRM 36
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Tucson, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, AZ #18602	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Arizona State Board of Technical Registration Enforcement Advisory Committee			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	The Retreat, Tucson, AZ	2012	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge of the Civil Engineering and Land Surveying services in conjunction with the design and construction of a \$30 million 775 bed student housing project on a 21-acre site.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Subaru Dealership, Tucson, AZ	2013	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal in Charge of the Civil Engineering and Land Surveying services in conjunction with the design and construction of a \$10 million 50,000 SF automobile dealership on a 10-acre site (currently under construction).	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	University of Arizona Student Recreation Center Field, Tucson, AZ	2012	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal in Charge of the Civil Engineering and Land Surveying services in conjunction with the design and construction of a \$5 million multi-use athletic field with artificial turf, including bleachers and restroom facilities.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	The Place at Presidio Trail, Tucson, AZ	2013	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal in Charge of the Civil Engineering and Land Surveying services in conjunction with the design of a \$15 million 208-unit apartment project on an 11-acre site (pending construction in 2014).	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	DES Tucson Offices, Oro Valley, AZ	2013	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal in Charge of the Civil Engineering, Land Surveying and Landscape Architecture services in conjunction with the design of a \$15 million 100,00 SF two story office building on a 6-acre site (pending construction in 2014).	<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 Chris Patton, PE	b. ROLE IN THIS CONTRACT Civil Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 27	2. WITH CURRENT FIRM 27
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, AZ #41208	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> American Society of Civil Engineers (ASCE) // Valley Partnership // American Public Works Association (APWA) // American Council of Engineering Companies — Arizona (ACEC)			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Reconstruction of Shedd Road and Giles Street, Eloy, AZ	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge/Quality Control. The project included the design for the reconstruction of 1 mile of Shedd Road, a detailed study of drainage in the corridor and design of spot gutter pan sections to improve drainage and eliminate areas of existing ponding, the replacement of 14 waterline crossings with new waterline pipe, and a pavement section analysis.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Main Street 12" Waterline Design, Eloy, AZ	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge/Quality Control. Design of 4,500 linear feet of new 12" diameter C-900 PVC water main in Main Street from the Pump Station Site located south of the UP railroad north to Battaglia Road in Eloy. The design provides for connections to existing 12" waterlines on each end and with all crossing waterlines and services along the route; and boring/jacking beneath the UPRR tracks.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	ADOT On-Call Statewide Design Services District Minor Projects, Various locations, AZ	2015	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-in-Charge and Quality Manager. a. US 70 & BIA 6 Intersection Improvements, San Carlos Apache Reservation: Improvements being designed include pavement widening and left turn lanes. b. Medlin Entrance Crossover US 93 Median, Wikieup: This task involved preparing a scoping letter preliminary and final designs for the federally funded construction of a median crossover.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Enhanced Crosswalk Design on Florence Boulevard, Casa Grande, AZ	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal-In- Charge and Quality Manager. RICK designed an enhanced crosswalk equipped with a pedestrian actuated solar powered rectangular rapid flashing beacons. The project design included signage, poles, foundations, new ADA compliant pedestrian ramps, and the electrical components for the solar powered installation.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Val Vista Road and Queen Creek Road, Gilbert, Arizona	2007	2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Served as Project Manager for quarter mile of road widening to both roads. The project included the design and plan preparation for traffic signal modification, several new turn pockets, median improvements, as well as landscape and irrigation coordination. This project also required coordination with a new high school for ingress and egress to a parking lot for student drop off and pick up.	<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 Brian Chimera, PE	b. ROLE IN THIS CONTRACT Civil Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 22	2. WITH CURRENT FIRM 22
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Tucson, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, AZ #50576	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> American Society of Civil Engineers (ASCE) // American Council of Engineering Companies (ACEC) Arizona // Association of Professional Engineers and Geoscientists of Alberta (APEGA)			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	University Of Arizona William David Sitton Field, Tucson, AZ	2013	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Civil Project Manager and Designer for this \$1.9 million, 2.7 acre University of Arizona facility consisting of replacing the existing east Student Recreation Center parking lot and Cherry Avenue with a multi-use athletic field, Prepared demolition plans, surface grading, paving & drainage plans, private reclaim water, potable water & private sewer plans, & storm water pollution prevention plans.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Sycamore Canyon Master-Planned Community, Tucson, AZ	2006	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Civil Designer of the public infrastructure improvements for this 1,300-acre Master Planned Community. Services included public roadway design, extensive grading, paving, drainage crossing, striping and signing improvements with a dual-path green space corridor adjacent to the roadway, associated public water, gravity & force main sewer design, dry utility design coordination along the entire roadway corridor, and stormwater pollution prevention plans.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Davidson Elementary School, Tucson, AZ	2005	2006
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Civil Project Manager and Designer for this 9.9-acre LEED-certified TUSD facility constructed in 2006, consisting of a seven-building elementary school campus, with playgrounds, basketball courts, and multi-use field. Prepared paving, grading, public water, public sewer, and private utility plans for both on-site and off-site improvements to facilitate this project.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	La Tierra Buena, Tucson, AZ	2001	2002
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager for this typical single-family subdivision infill project consisting of 207 lots sited on 43 acres. Design of grading, drainage and utilities were tailored to for development over two phases. This project also required study to minimize the impact on the floodplain and significant riparian resources of Earp Wash, which runs along the north portion of the site.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Emily Meschter Early Learning Center, Tucson, AZ	2009	2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Civil Project Manager for this 6-acre Flowing Wells School District facility that was constructed in 2010, consisting of one administration and three classroom buildings, a central courtyard playground area, vehicle drive aisle and parking areas, and drainage control improvements. Prepared grading, paving, onsite and offsite public water, and private utility plans to facilitate this project.	<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 Lindsay Morton, PE	b. ROLE IN THIS CONTRACT Water Resources	c. YEARS EXPERIENCE	
		1. TOTAL 8	2. WITH CURRENT FIRM 3
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Tucson, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, CA #71591	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Society of Women Engineers (SWE) // Arizona Floodplain Management Association (AFMA)			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Sabino Canyon Continuing Care Retirement Community , Pima County, AZ	On-Going	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Prepared a Master Drainage Report and corresponding hydrologic and hydraulic analyses. Continues to provide professional services for this project; 62.6 acres in size, involving the development of a Continuing Care Retirement Community comprised of Independent Living Units, 50 Assisted Living and Skilled Nursing Units, a Memory Care facility with 68 beds, 80 Senior Care Units, 68 Casita Homes, and associated Wellness Center and Retail uses.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Pima Air and Space Museum , Pima County, AZ	On-Going	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Currently providing support in the preparation of a Drainage Letter detailing the preliminary drainage concept in support of the master planning process. Currently performing hydrologic and hydraulic analyses to more accurately understand flooding, erosion, and drainage conditions that impact the project, particularly in association with flows from the Pima Air Museum Wash and sheet flows entering the site.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Rancho Del Lago – Blocks 26 and 30 , Pima County, AZ	On-Going	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Prepared Drainage Reports for Blocks 26 and 30 as required as part of the Tentative Plat process. Delineated existing and proposed drainage characteristics and performed hydrologic and hydraulic analyses for future drainage improvements. The property consists of Blocks 26 and 30 of the Rancho del Lago Blocks 31-42 subdivision.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	AKDHC Facility , Sierra Vista, AZ	On-Going	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Prepared the Drainage Report and associated hydrologic and detention analyses for the 1-acre project site. The project proposes the development of an 11,000 SF medical office building and associated parking facilities.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Tucson Airport Commerce Center , Tucson, AZ	On-Going	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Prepared the Drainage Report for the project as required as part of the Development Package process. Performed retention/detention and water harvesting analyses to demonstrate project compliance with the City of Tucson Floodplain Ordinance. The future project consists of 5 separate retail/commercial buildings and associated appurtenances.	<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 Anthony Boone, PE	b. ROLE IN THIS CONTRACT Civil Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 12	2. WITH CURRENT FIRM 9
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Tucson, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, AZ #50292	
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.	ANFI, Pima County, AZ	2008	2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineering Designer for the AFNI 56,000 square feet office project including ongoing development as well as for the development of two of the other three street corners at this location. It was the second phase of the multi-phased Riverside Crossing Center development. These projects involve comprehensive civil engineering services from survey, design development, and drainage analysis to construction documents for grading, paving, water, sewer, utilities, and roadway widening improvements.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Tucson Hotel and Convention Center, Tucson, AZ	2010	2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Boone, as Engineering Designer utilized Rick Engineering personnel to provide Survey, Planning, Traffic, Landscape Plant Inventory, Civil Engineering services and LEED certification services. The 24 acres site is a portion of the overall 33 acres TCC campus and the expansion was planned in two phases. Phase I was completed in 2010.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Encantada at Tucson National, Pima County, AZ	2015	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineering Designer. The project is a 38.1 acre site and is located at northwest corner of Cortaro Farms Road and Shannon Road. The project consists of 30- two story multi-family/luxury apartment buildings with 368-units. The project also included a 7,500 sf Clubhouse, Maintenance Building and Bath House. The adjacent public roadways were expanded and improved for the new project. Services included: Survey, Planning, Traffic, Landscape Plant Inventory, and Civil Engineering.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Marana Marketplace, Marana, AZ	2014	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Design Engineer. Marana Marketplace consists of 80,000 SF of commercial development on 28.8 acres managing and designing this large commercial complex consisting of six buildings for the first phase. The second phase of construction added three new buildings and an additional 50,000 square feet. This commercial complex is located at the southeast corner of River Road and Orange Grove Road. Mr. Boone played a lead role in the overall design, plan production and processing of this project.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Williams Center Technical Campus, Tucson, AZ	2009	2009
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Boone was the Engineering Designer providing Survey, Planning, Traffic, Landscape Plant Inventory, and Civil Engineering services for the project.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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a. NAME Doug Schneider, RLS	b. ROLE IN THIS CONTRACT Land Surveying Manager	c. YEARS EXPERIENCE	
		1. TOTAL 32	2. WITH CURRENT FIRM 16
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Tucson, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Defense Mapping School, 1974		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Land Surveyor, AZ #17479	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Arizona Professional Land Surveyors Association (APLS) // National Society of Professional Surveyors (NSPS) // State of Arizona Board of Technical Registration – Enforcement Advisory Committee Member // Metropolitan Pima Alliance (MPA) // Avra Water Co-op – Current Board President			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	SR90/I-10 Highway T.I. Improvements, Benson, AZ	2012	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Land Surveyor for 13,000 acre project conducting boundary surveys, aerial photo control and right-of-way determination. Various GPS techniques were utilized to locate and recover original GLO, ADOT and private surveyor's monuments for determining project boundaries. GPS post processed static techniques were utilized to survey for primary control and for aerial photo control. Differential levels were run to support and confirm geoid modeling and GPS elevations. Final plats for subdivisions and commercial properties as well as legal description preparation for parcels and easements were prepared as well as multiple ALTA surveys for land financing and sales.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	The Retreat, Tucson, AZ	2013	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Land Surveyor in charge of the land surveying services in conjunction with land acquisition (ALTA Surveys), aerial mapping control and coordination, design surveys for civil engineering use, subdivision platting to consolidate multiple parcels, coordination with City of Tucson and client's legal counsel in right of way and utility easement abandonments, supervision of field crews providing construction staking and as-built ALTA surveys for final lending and sale purposes for \$30 million 775 bed student housing project on a 21-acre site.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	QIP Offices (FBI Regional Headquarters), Tucson, AZ	2012	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal Land Surveyor from initial land acquisition performing ALTA surveys, aerial mapping control and coordination obtaining topographic mapping, preparation of legal descriptions for parcel reconfiguration and consolidation, legal descriptions for utility easements, supervision of field crews performing construction surveying and as-built ALTA surveys for final lending and federal lease of this 6.5 acre, 92,000 square foot three story commercial building to house 180 employees.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	City of Tucson On-Call Professional Surveying Services, Tucson, AZ	On-Going	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE On call professional services consisting of street centerline monument recovery and preparation of record of surveys for post construction reinstallation, construction staking for street improvement projects, land surveys, legal descriptions and records of surveys for city owned property and acquisitions.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Rio Nuevo Facilities Board, Tucson, AZ	2013	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project coordinator for detailed laser scanning project of arena, concourse, mezzanine, food service and bathroom areas. Work was controlled with conventional survey techniques and scanned from multiple set ups to create 3D point clouds used for Revit modeling. Control and scanning were completed 100% by Rick Engineering. The work was completed through the City of Tucson on call survey contract cooperative agreement with Rio Nuevo Facilities Board.	<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 Bob Mohning, PE	b. ROLE IN THIS CONTRACT Civil Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 44	2. WITH CURRENT FIRM 37
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Physics w/emphasis on Mathematics		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, AZ #13493 // Registered Land Surveyor, AZ #16867	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Valley Partnership // State of Arizona Board of Technical Registration Enforcement Advisory Committee			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Queen Creek Road, Chandler, AZ	2010	2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. Mr. Mohning led the design of the roadway and median, storm drain, retention, sewer, water, signing and striping and street lights for this two-mile, four-lane roadway. Included in the design was a wide median to allow for two additional future traffic lanes.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	59th Avenue, City of Glendale, AZ	2012	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. The design of one-mile of 59th Avenue between Paradise Lane and Bell Road. The design included paving, curb, sidewalk, sewer, water and storm drainage in conjunction with a separate City of Glendale storm drainage project.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Alma School Road, City of Chandler, AZ	2013	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Mohning served as Project Manager for the widening and realignment of a two-lane roadway into a four-lane roadway with a median. Mr. Mohning led the design team incorporating street and storm drain design and the relocation of sewer and water lines, electric, gas and telephone facilities. Another aspect of this project was the replacement of a 16'-wide open irrigation ditch with a one-mile long, 72" irrigation pipe.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Ocotillo Road, City of Chandler, AZ	2013	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. Mr. Mohning led the design of a 1,300-foot minor arterial to connect the first and second phases of the Ocotillo master-planned community. The design included roadway, storm drain, retention, sewer, water, signing and striping, and street lights.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Shea Boulevard, Scottsdale, AZ	2009	2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. Mr. Mohning led the design team on the improvements of Shea Boulevard between 96th Street and 108th Street. This six-lane roadway project involved 1.5 miles of major arterial roadway with median, involved several large drainage features, and required extensive utility coordination.	<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 Joe Cirone, PE, CFM	b. ROLE IN THIS CONTRACT Civil/Drainage Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 16	2. WITH CURRENT FIRM 4
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, AZ #40968 // Project Management Professional License, #1363606 // Certified Erosion & Sediment Control License, #5456 // Qualified SWPPP Developer & Qualified SWPPP Practitioner Certificate, #22292	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Association of State Floodplain Managers // U.S. Green Building Council (USGBC) — San Diego & Phoenix Chapters // LEED Green Associate (LEED GA License #10642520)			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> ADOT On-Call Statewide Design Services District Minor Projects , Various locations, AZ	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager/Engineer. a. US 70 & BIA 6 Intersection Improvements, San Carlos Apache Reservation: Improvements being designed include pavement widening and left turn lanes. b. Medlin Entrance Crossover US 93 Median, Wikieup: This task involved preparing a scoping letter preliminary and final designs for the federally funded construction of a median crossover.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> CVS Pharmacy SWC Bell & Scottsdale Road , Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) 2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager and Engineer of Record for a CVS Pharmacy 13,013-sf facility with single drive-thru located on a 1.64 acre site west of the southwest corner of Bell Road and Scottsdale Road, Phoenix, AZ. Redevelopment project which required the demolition of a Carlos O'Briean restaurant.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Waste to Energy , Glendale, AZ	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Civil Project Manager for this on-going design-build project consisting of the construction of a material handling system and a 15.5MW design capacity steam turbine generator power island on a 12-acre site.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> StorQuest , Scottsdale, AZ	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) 2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager and Engineer of Record for an approximate 123,274-sf three-story self-storage facility including a pad lot for future development of a one-story retail restaurant on 2.65 net acres. Redevelopment project requiring demolition of existing commercial structures and pertinent facilities as well as a lot consolidation of four parcels into a two-lot plat.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> CVS Pharmacy SWC Southern & Sossaman , Mesa, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager and Engineer of Record for a CVS Pharmacy 12,900-sf facility with single drive-thru located on a 1.77 acre site on the hard corner of Southern Avenue and Sossaman Road, Mesa, AZ. Redevelopment project that required partial demolition of a Fresh & Easy grocery.	<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 Dan Leone, PE, CFM	b. ROLE IN THIS CONTRACT Civil/Drainage Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 10	2. WITH CURRENT FIRM 2
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, AZ #54944 // NCEES, 48418 // ASFPM Certified Floodplain Manager, #US-12-06317	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Association of State Floodplain Managers			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Enclave at South Mountain, Phoenix, AZ	2015	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Drainage Design Engineer. Responsibilities included the hydrologic and hydraulic analysis of stormwater conveyance structures and retention facilities. The site is located at the base of South Mountain, as such there are several washes with 100-year flows greater than 50 cfs that run off the mountain and impact the site. Hydraulic analysis was performed for roadway crossings, channelization, and re-routing of existing washes. A Drainage Report was completed in support of the Final Grading Plan.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	CVS/Pharmacy, Sedona, AZ	2015	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Drainage Design Engineer for a commercial retail facility on a 5.28 acre hillside site. The drainage design required hydraulic modeling of storm drains, culverts at roadway crossings, and re-routing of existing natural washes and channels. Due to the steepness of the site and exposed bedrock present, the design required extensive employment of rip-rap and other erosion control measures.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Fox Haven, Scottsdale, AZ	2015	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer/Designer. Tasks included design and analysis of grading, storm drain infrastructure, and alterations to an existing drainage channel adjacent to the site. To quantify the flow in the existing drainage channel, an extensive hydrologic analysis was performed to take into account recent developments and alterations to land use upstream. The drainage design also required hydraulic modeling of roadways, open channels, catch basins, storm drain pipe networks and roadway culverts.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Cachet at the Wigwam, Litchfield Park, AZ	2015	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Drainage Design Engineer for a 28 acre, 167-unit residential development. Drainage design required hydraulic analysis of on-site storm drain and retention basin networks. The drainage design also required that an off-site channel be re-graded to conform to its original design and the FEMA floodplain maps. Along with the re-grading, a concrete block wall and wall opening upstream were re-constructed.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Vantage Phase II, Phoenix, AZ	2015	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Primary Civil Designer for the second phase of a multifamily residential condominium development. Design challenges encountered on the project included tie-ins to existing on-site infrastructure, elevation gain/ loss across the site, and the presence of off-site flows. A hydrologic analysis was performed to quantify the off-site flow. Hydraulic analyses were performed to design a sedimentation basin for the off-site flow, and to design all on-site networks of underground storm drain pipes and storage tanks.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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a. NAME Vincent Steiner, PE, CFM	b. ROLE IN THIS CONTRACT Civil/Drainage Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 5	2. WITH CURRENT FIRM 2
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, AZ #59231 // ASFPM, Certified Floodplain Manager	

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
 HEC-RAS 5.0 Training Course (2D) – presented by the Dept. of Civil Engineering and Engineering Mechanics, University of Arizona //
 HEC-HMS (Hydrologic Modeling System) 3-DAY SHORT COURSE, presented by West Consultants, Inc. for Arizona Floodplain Management Association (AFMA)

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Floodplain Analysis & Drainage System Design for the Vail Christian Church, Tucson, AZ	2014	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Drainage Engineer. Conducted a floodplain and drainage analysis and design for this institutional development located on a previously undeveloped site bisected by a natural regulatory wash. The drainage study included floodplain modeling and scour analysis for roadway and utility wash crossings. The analysis also included detention/ retention basin hydrologic routing and detailed storm drain calculations and design.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Hydrologic & Hydraulic Analysis & Drainage Design, Rob Hill, Tucson, AZ	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Drainage Engineer. The project consisted of floodplain hydraulic analysis and on-site drainage analysis and design in support a single-family residential development. Hydraulic models for existing and proposed conditions of the Robb Wash along the project (a FEMA Zone AE special flood hazard area) were prepared in support of an approved Conditional Letter of Map Revision based on fill (LOMR-F) to demonstrate that the proposed residential lots will be above the regulatory base flood elevation if constructed as designed.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Silverbell West R-10 LOMR, Marana, AZ	2013	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Primary Investigator responsible for hydraulic analysis and preparation of Technical Support Data Notebook in support of an approved Letter of Map Revision application through FEMA for this residential subdivision along the Yuma Mine Wash. Analysis included an encroachment study to determine the impacts of the subdivision construction to the Zone A Special Flood Hazard Area (SFHA). This application resulted in the revision of the floodplain delineation along the project and removal of all developed lots from the Zone A SFHA.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Cantabria Subdivision, Chandler, AZ	2014	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Water Resources Designer responsible for drainage analysis and design of this 35 acre single-family residential development. Responsibilities included the hydrologic and hydraulic analysis of stormwater conveyance structures and retention facilities. A Drainage Report was completed in support of the Final Grading Plan.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Encantada at Tucson National, Pima County, AZ	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Water Resources Designer responsible for drainage analysis and design of this 35-acre luxury multi-family residential development. Analysis included floodplain modeling, detention basin routing, and modeling of an extensive storm drain system. LID practices were incorporated to harvest stormwater and provide peak discharge attenuation. A Drainage Report was completed in support of the Development Plan.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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a. NAME Mark Jugar, PE, PTOE	b. ROLE IN THIS CONTRACT Traffic Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 20	2. WITH CURRENT FIRM 15
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Civil Engineer, AZ #52511 // Professional Traffic Operations, PTOE #2170	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Institute of Transportation Engineers (ITE) // American Society of Civil Engineers (ASCE) // Women's Transportation Seminar (WTS)			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Enhanced Crosswalk Design on Florence Boulevard, Casa Grande, AZ	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Lead Traffic Engineer. RICK designed an enhanced crosswalk equipped with pedestrian actuated solar powered rectangular rapid flashing beacons. The project design included signage, poles, foundations, new ADA compliant pedestrian ramps, and the electrical components for the solar powered installation. The project design, details and specifications serve as a prototype for other locations within the City.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Traffic Signal Installation Project, Florence Boulevard & North Camino Mercado Intersection, Casa Grande, AZ	2015	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Lead Traffic Engineer. The project involved the survey and design of a traffic signal installation for a full four-leg intersection. RICK conducted a site visit to verify the existing field conditions, provided the topographic survey for design purposes, completed an analysis of the intersection's traffic data, and prepared a title sheet with notes, a traffic signal plan with installation details, an equipment schedule with installation notes, and a signing and striping plan.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	ADOT On-Call Statewide Design Services District Minor Projects, Various locations, AZ	2015	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Traffic Engineer. a. US 70 & BIA 6 Intersection Improvements, San Carlos Apache Reservation: Improvements being designed include pavement widening and left turn lanes. b. Medlin Entrance Crossover US 93 Median, Wikieup: This task involved preparing a scoping letter preliminary and final designs for the federally funded construction of a median crossover.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Reconstruction of Shedd Road and Giles Street, City of Eloy, AZ	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Traffic Engineer. Design for the reconstruction of the roadway pavement within the existing curb and gutter sections on Shedd Road from Giles Street to Estrella Road and within a confined section on Giles Street from Frontier Street to Shedd Road. The project involved detailed study of drainage in the corridor and design of spot gutter pan sections to improve drainage and eliminate areas of existing ponding, the replacement of 14 waterline crossings with new waterline pipe, and inclusion of buffered bike lanes.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	SR 77 (Oracle Rd)/Linda Vista Blvd Traffic Signal, Oro Valley, AZ	2009	2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Engineer. Responsible for preparing the traffic signal plan at the SR 77/Linda Vista Boulevard intersection. This signal was prepared and processed following ADOT traffic signal design guidelines and was a component of the recent SR 77 (Oracle Road) widening improvements within the Town of Oro Valley. This signal design also considered the proposed improvements due to the adjacent retail developments located on both sides of the SR 77.	<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 Smiley Vega, RLS	b. ROLE IN THIS CONTRACT Land Surveyor	c. YEARS EXPERIENCE	
		1. TOTAL 45	2. WITH CURRENT FIRM 45
d. LOCATION <i>(City and State)</i> Rick Engineering Company, Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Land Surveyor, AZ #28236	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Arizona Professional Land Surveyors Association (APLSA)			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Reconstruction of Shedd Road and Giles Street, Eloy, AZ	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE ROW and topographic survey manager. Design for the reconstruction of the roadway pavement within the existing curb and gutter sections on Shedd Road from Giles Street to Estrella Road and within a confined section on Giles Street from Frontier Street to Shedd Road. The roadway segment involved with this project is approximately 4,920 linear feet in length and includes Giles Street from Frontier Street to Shedd Road and Shedd Road from Giles Street to Estrella Road.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Main Street 12" Waterline Design, Eloy, AZ	2015	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE ROW and topographic survey manager. Design of 4,500 linear feet of new 12" diameter C-900 PVC water main in Main Street from the Pump Station Site. The design provided for connections to existing 12" waterlines on each end and with all crossing waterlines and services along the route. A casing pipe bored/jacked beneath the UPRR track was provided for the new waterline to cross under the railroad, 12" HP gas line and Frontier Street.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	ADOT On-Call Statewide Design Services District Minor Projects, Various Locations, AZ	2015	2015/2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Survey Manager. a. US 70 & BIA 6 Intersection Improvements, San Carlos Apache Reservation: Improvements surveyed and designed included pavement widening to accommodate left and right turn lanes from US 70 onto BIA 6 and right and left turn lanes from BIA 6 onto US 70. b. Medlin Entrance Crossover US 93 Median, Wikieup: Prepared a scoping letter and conducting survey and preliminary and final designs for the federally funded construction of a median crossover of US 93 at the Medlin entrance road.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	First Street Sidewalk Project, Casa Grande, AZ	2015	2016
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Survey Manager. Survey and preliminary design for the complete reconstruction of sidewalks, curb sections, and a limited amount of street pavement, where needed, on each side of 1st Street within the 2½ block project limits. The objective was to provide an ADA-compliant corridor where the existing sidewalks were atop tall curbs, had steep slopes at driveway crossings, lacked compliant curb ramps and even included a set of steps.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	67th Avenue and Hatfield Road, Peoria, AZ	2008	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Vega served as survey supervisor for the proposed 67th Ave and Hatfield Road development, which is located south of Happy Valley Road between Hatfield Road and W. Villa Lindo on 67th Avenue. Smiley oversaw the survey services that included boundary control and onsite and offsite topographical mapping. This site is approximately 5 acres and engineering services included the design of grading, water and storm drain relocation, road widening on 67th Avenue, and a septic sewer system.	<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 Dawn Fortuna	b. ROLE IN THIS CONTRACT Civil/Transportation Engineering Designer	c. YEARS EXPERIENCE	
		1. TOTAL 33	2. WITH CURRENT FIRM 1

d. LOCATION *(City and State)* Rick Engineering Company, Phoenix, AZ

e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Urban Planning	f. PROFESSIONAL TRAINING - REGISTRATIONS
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g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
 American Society of Highway Engineers (ASHE) - Sonoran Chapter // American Planning Association (APA) - AZ Chapter // Women's Transportation Seminar (WTS) // City of Mesa Transportation Board Chair // Awarded 2008 WTS Member of the Year

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> CDBG 11th Street Improvement Project, Eloy, AZ	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineering Designer. The project consists of the design and preparation of construction documents (plans, specifications, project manual, and estimates) for reconstruction and improvement of 11th street paving and waterline replacement (1/2 mile). Funding for the project is a CDBG through the State of Arizona Department of Housing.	<input checked="" type="checkbox"/>	Check if project performed with current firm

2.	(1) TITLE AND LOCATION <i>(City and State)</i> Reconstruction of Shedd Road and Giles Street, Eloy, AZ	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Lead Engineering Designer. The project included the design for the reconstruction of 1 mile of Shedd Road, a detailed study of drainage in the corridor and design of spot gutter pan sections to improve drainage and eliminate areas of existing ponding, the replacement of 14 waterline crossings with new waterline pipe, and a pavement section analysis.	<input checked="" type="checkbox"/>	Check if project performed with current firm

3.	(1) TITLE AND LOCATION <i>(City and State)</i> Main Street 12" Waterline Design, Eloy, AZ	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Lead Engineering Designer. Design of 4,500 linear feet of new 12" diameter C-900 PVC water main in Main Street from the Pump Station Site located south of the UP railroad north to Battaglia Road in Eloy. The design provides for connections to existing 12" waterlines on each end and with all crossing waterlines and services along the route; and boring/jacking beneath the UPRR tracks.	<input checked="" type="checkbox"/>	Check if project performed with current firm

4.	(1) TITLE AND LOCATION <i>(City and State)</i> First Street Sidewalk Project, Casa Grande, AZ	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Engineering Designer. RICK conducted the survey, preliminary, and final design for the complete reconstruction of sidewalks, curb sections, and a limited amount of street pavement, where needed, on each side of 1st Street within the 2½ block project limits. The objective was to provide an ADA-compliant corridor where the existing sidewalks were atop tall curbs, had steep slopes at driveway crossings, lacked compliant curb ramps and even included a set of steps. Construction funded by a CDBG.	<input checked="" type="checkbox"/>	Check if project performed with current firm

5.	(1) TITLE AND LOCATION <i>(City and State)</i> ADOT On-Call Statewide Design Services District Minor Projects, Various Locations, AZ:	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Lead Engineering Designer. a. US 70 & BIA 6 Intersection Improvements, San Carlos Apache Reservation: Improvements being designed include pavement widening and left turn lanes. b. Medlin Entrance Crossover US 93 Median, Wikieup: This task involved preparing a scoping letter, preliminary and final designs for the federally funded construction of a median crossover.	<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 Mark Fellingner, RLA	b. ROLE IN THIS CONTRACT Landscape Architect	c. YEARS EXPERIENCE	
		1. TOTAL 20	2. WITH CURRENT FIRM 11
d. LOCATION <i>(City and State)</i> Rick Engineering Company Tucson, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS in Landscape Architecture		f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Landscape Architect, AZ #36734 // LEED Accredited Professional // Tucson Certified Water Auditor // Irrigation Association Certified // Landscape Irrigation Auditor	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> American society of Landscape Architects (ASLA) // EPA WaterSense Partner // Leadership in Engineering Administration Program (LEAP) presented by the American Council of Engineering Companies (ACEC) of Arizona			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Sigma Chi Fraternity, University of Arizona, Tucson, AZ	2013	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape construction documents for a new fraternity house on the U of A campus. Design effort included landscape areas along street frontages, entry courtyard layout, and interior courtyard landscape treatment.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	IFT Access Road Construction, Nogales, Sonoita, and Douglas, AZ	2013	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Preparation of revegetation plans for 25 communication sites along the Arizona-Mexico border.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Federal Bureau of Investigation Field Office, Tucson, AZ	2010	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Construction Documents, Native Plant Preservation Plans, Rainwater Harvesting Plans and LEED certification support for this three story, 84,000 square foot, facility, which was privately built for lease to the federal government. This project also included an interior 2 level parking garage for enhanced security purposes.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Hacienda Sisters Continuing Care Retirement Community, Tucson, AZ	2015	On-Going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape design, native plant preservation, and riparian habitat mitigation for a 30 acre senior living community.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Campo Abierto Median Landscape Renovation, Pima County, AZ	2014	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape Construction Documents for reconfiguration of an existing roadway median to accommodate a turn lane. Project included assessment of existing irrigation system and landscape lighting.	<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 Brian Laird, RLS	b. ROLE IN THIS CONTRACT GIS Specialist	c. YEARS EXPERIENCE	
		1. TOTAL 20	2. WITH CURRENT FIRM 20

d. LOCATION *(City and State)* Rick Engineering Company, San Diego, CA

e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>	f. PROFESSIONAL TRAINING - REGISTRATIONS Registered Land Surveyor, AZ #45830
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g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
 California Land Surveyor's Association (CLSA) // Urban and Regional Information Systems Association // Arizona Professional Land Surveyors // The Associated General Contractors of America – Past Chairman of Technology Trends in Construction Committee // Allied member AIA San Diego // Approved Provider AIA Continuing Education

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Queen Creek Specific Plan, Queen Creek, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE GIS Manager. Mr. Laird was the Project Manager to assist client in establishing Specific Area Plans: that will largely address future undeveloped properties and a plan that will address existing "agritainment". Rick Engineering developed and hosted a GIS web application including dynamic density calculators for live planning tasks.	<input checked="" type="checkbox"/>	Check if project performed with current firm

2.	(1) TITLE AND LOCATION <i>(City and State)</i> Merritt Walkway, Miami, AZ	(2) YEAR COMPLETED	
		Professional Services On-Going	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE 3D Laser Scan Manager. Mr. Laird is responsible for creating of a detailed topographic map in support of final design tasks.	<input checked="" type="checkbox"/>	Check if project performed with current firm

3.	(1) TITLE AND LOCATION <i>(City and State)</i> University of Arizona Bill Wilson Substation Arc Flash Study, Tucson, AZ	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. Provided 3-D laser scanning and other survey services to graphically depict the results of a U of A arc flash study, mapping the spatial extents and potential area affected by arc flash limits at the Bill Wilson Substation located at the University of Arizona CHRP Facility. Performed an as-built survey of the existing sub-station, performed leverage 3-D laser scanning of the in-service sub-station, prepared a report graphically depicting the limits or the arc flash from several origin points, and generated web-based interactive TrueViews of the results.	<input checked="" type="checkbox"/>	Check if project performed with current firm

4.	(1) TITLE AND LOCATION <i>(City and State)</i> Tucson Convention Center Arena, Tucson, AZ	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE GIS/Surveying Manager. Mr. Laird coordinated a team of surveyors and scan technicians to the interior of the arena was captured, including concourse, mezzanine and lower levels. In total, approx. 145,000 square feet was scanned and modeled. The entire arena was digitally captured in 4 days. The digital scans were stitched together in a common coordinate system. To meet the client schedule, modeling was performed immediately after notice to proceed and prior to field mobilization.	<input checked="" type="checkbox"/>	Check if project performed with current firm

5.	(1) TITLE AND LOCATION <i>(City and State)</i> Sewer Lateral Replacement Pilot, Bisbee, AZ	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mr. Laird oversaw an effort to develop a process to support the City of Bisbee that was undergoing a sewer later replacement program. The complexity of the existing site constraints and lateral system with respect to elevation change, existing walkways, existing structures, age of each and non-linear alignments raises several risks to the design and construction processes. The study was conducted to research and propose a methodology for the replacement program on a pilot project area.	<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> Reconstruction of Shedd Road & Giles Street, Eloy, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2015	2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Eloy	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Design Fee: \$44,500 Construction Cost: \$1,130,163	e. TOTAL COST OF PROJECT Design Fee: \$44,500 Construction Cost: \$1,130,163
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

RICK provided the design for the reconstruction of the asphalt roadway pavement between the existing curb and gutter sections on Shedd Road from Giles Street to Estrella Road and within a narrowed section on Giles Street from Frontier Street to Shedd Road. The roadway segment involved was approximately one mile in length. The project included a detailed study of drainage in the corridor and the design of spot curb and gutter replacement and drain pan sections through intersections to improve drainage and eliminate areas of existing stormwater ponding. Also designed were new buffered bike lanes, the replacement of 14 waterline crossings with new waterline pipe and valves, and an alternatives analysis to determine the best solution for the new roadway pavement base and thickness of the asphalt surfacing. The design team coordinated the project development with the installation of a new sewer lines and gas lines to be installed prior to the street reconstruction. Post design services were provided upon request.





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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) Roadway Design Tasks, District Minor On-Call Contract, ADOT, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015/2016

23. PROJECT OWNER'S INFORMATION

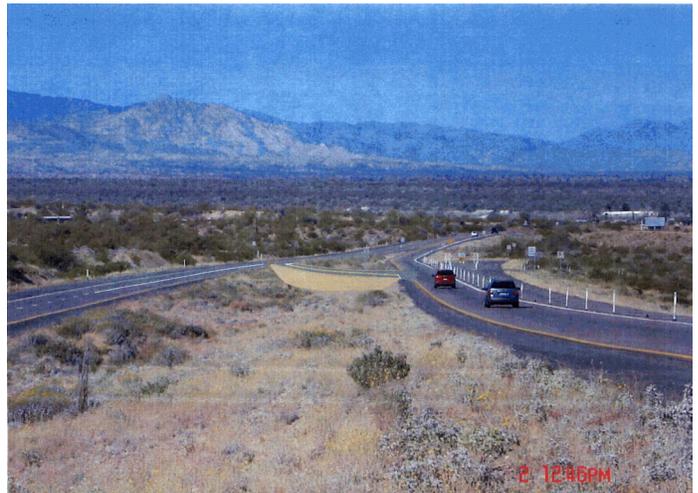
c. PROJECT OWNER ADOT	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Design Fee: \$212,534 Construction Cost: \$2,500,000	e. TOTAL COST OF PROJECT Design Fee: \$212,534 Construction Cost: \$2,500,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

RICK recently completed two project tasks. Both tasks involved federal funds.

US 93 Medlin Crossover near Wikieup, ADOT – RICK prepared scoping, preliminary, and final design documents for a new median crossover on US 93 at Milepost 125. This new crossover is for an existing driveway access point that serves a number of properties, including cattle ranch truck traffic, and mitigates the safety issues caused by vehicles illegally crossing the median. Alternatives analyzed included several geometric intersection layouts, protected left and right turn deceleration lanes, an acceleration lane, and various signing and striping options.

US 70/BIA 6 Intersection Improvements, ADOT – RICK prepared scoping, preliminary, and final design documents for the improvement of this major intersection on the San Carlos Apache Tribe Reservation. The intersection has been experiencing significant safety issues as a result of increased pedestrian crossings and traffic volumes due to recreational events. Safety improvements and funding were requested by tribal members and the project is being managed by ADOT through an IGA. Intersection improvements designed include additional turn lanes on US 70 and BIA 6, as well as additional street lighting. Recommendations for future improvements were addressed in the scoping letter.





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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> Main Street 12" Waterline Design, Eloy, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
	2015	2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Eloy	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Design Fee: \$32,500 Construction Cost: \$835,799	e. TOTAL COST OF PROJECT Design Fee: \$32,500 Construction Cost: \$835,799
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(include scope, size, and length of project)*

RICK provided the design of 4,500 linear feet of new 12" diameter C-900 PVC water main in Main Street from the pump station yard located southwest of the Main Street crossing of the UPRR tracks north to Battaglia Drive in Eloy. The design provided for connections to existing 12" waterlines on each end and with all crossing waterlines and services along the route. In addition, several short extensions were designed connecting the new waterline to nearby waterlines. A casing pipe bored/jacked beneath the UPRR tracks was designed for the new waterline to cross under the UP railroad tracks, a high pressure 12" natural gas pipeline, and Frontier Street. The majority of the new waterline is in existing street pavement, so the design addressed the reconstruction and restoration of the street pavement. The location of hydrants, traffic control, and construction phasing were critical components due to the project's Central Business District location.





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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) Enhanced Crosswalk Design on Florence Boulevard, Casa Grande, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Casa Grande	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Design Fee: \$6,650 Construction Cost: \$25,000	e. TOTAL COST OF PROJECT Design Fee: \$6,650 Construction Cost: \$25,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

RICK designed an enhanced crosswalk equipped with pedestrian actuated solar powered rectangular rapid flashing beacons. The project design included signage, markings, median safety island, poles, foundations, new ADA compliant pedestrian ramps, and the electrical components for the solar powered installation. The project design, details and specifications serves as a prototype for other locations within the City. The project was done in two phases: (1) a design concept phase to identify alternatives for markings, signing, flashing beacons, and ramp configuration, and (2) final design of the enhanced crosswalk based on the selected design concept options.





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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> Traffic Signal Installation Project, Florence Boulevard & N Camino Mercado Intersection, Casa Grande, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Casa Grande	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Design Fee: \$17,500 Construction Cost: \$260,000	e. TOTAL COST OF PROJECT Design Fee: \$17,500 Construction Cost: \$260,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

The project involved the survey and design of a traffic signal installation for a full four-leg intersection. RICK conducted a site visit to verify the existing field conditions, provided the topographic survey for design purposes, completed an analysis of the intersection's traffic data, and prepared a title sheet with notes, a traffic signal plan with installation details, an equipment schedule with installation notes, and a signing and striping plan. Extensive utility coordination was needed at this site. The project's objective to provide a complete fully functional traffic signal installation was met.





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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.)

Company Overview

RICK is an award winning, multi-disciplined planning, surveying, design, engineering, and professional services consulting corporation founded in 1955. We maintain divisions that focus on civil engineering, transportation and traffic engineering, urban design and planning, site development, landscape architecture, construction services, surveying, mapping, photogrammetry, drainage and water resources, geographic information systems (GIS), specialized computer services, legal support services, and creative services. With over 226 employees company-wide, we are capable of mobilizing quickly on projects and completing them on schedule, providing the utmost quality of service in the process. Our company's broad array of professional disciplines allows us to provide comprehensive services that can be managed in-house to assure optimum project quality and efficiency. The advantage to our clients is not merely that we have the specialized skills required, but that we can better control the character, timing, and cost of the work efforts and deliverables. Below you will find a testimonial from one of our recent On-Call clients.

"The City of Casa Grande has used Rick Engineering Company on numerous projects and on-call task assignments. Dale Miller has served as their project manager for all our projects. He and his team have performed admirably on each project completing the work on time, within budget, and typically meeting or exceeding our expectations. They produce high quality designs and plans, provide services that are truly responsive, and go the extra mile to be sure we are satisfied with the project in every regard. I highly recommend Rick Engineering to any municipality in need of an outstanding civil engineering firm."

Duane Eitel, PE, City Traffic Engineer, City of Casa Grande

Our On-Call/As-Needed Contract Performance

We know and recognize the purpose and objectives of an on-call/as-needed service contract. Throughout our company's history, we have successfully performed a variety of task order services for as-needed contracts for a majority of municipalities and government agencies in our region. We thoroughly understand the importance of the on-call/as-needed contract, but the processes to execute and deliver task orders to meet financial goals and schedule deadlines. Some of our recent on-call contracts include:

- ADOT District Minor On-Call Contract
- City of Casa Grande On-Call Contract
- Town of Camp Verde On-Call Contract
- City of Tucson On-Call Survey Services Contract

On-call service contracts require the need for and coordination among multiple disciplines, as well as managing multiple task orders simultaneously. Based on our experience with as-needed contracts, RICK has developed a successful approach in managing multiple task orders and the process can be outlined in two phases:



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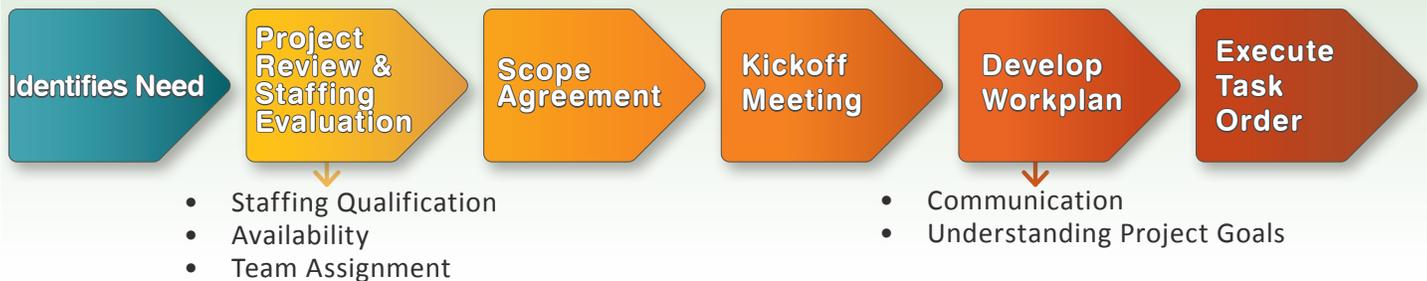
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“Planning & Staffing” and “Performance.”

In the **Planning & Staffing Phase**, the RICK Team will:

- Meet with the Client to understand the goals and objectives and perform a site visit to clearly identify the constraints, conditions, and full scope of the task order.
- Assign an appropriate Task Managers and project task team with relevant experience on similar tasks, who are available to respond, based upon scope and schedule. The highest level of talent and experience available to provide exemplary service will be assigned to the task.
- Assemble our key staff members and hold a scoping session where key staff members participate in a brainstorming session to achieve a complete picture of requirements.
- Review and understand stakeholder concerns to be able to address them properly. A scope and fee will be presented to the Client, which will include a schedule with submittal milestone stages and dates.

Planning & Staffing





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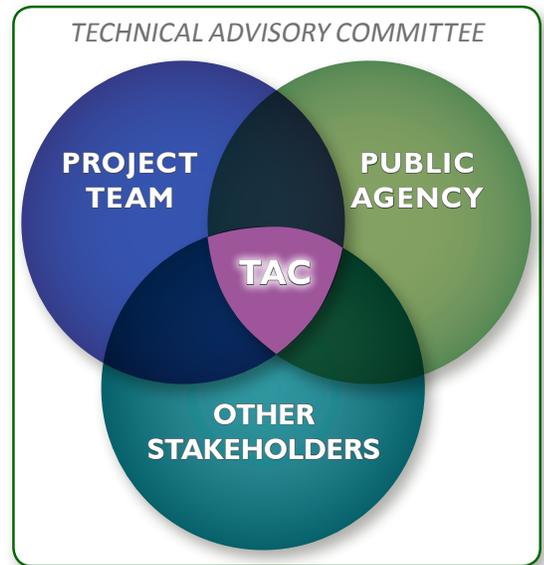
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In the **Performance Phase**, the RICK Team will:

- Collect the necessary project data as appropriate to perform the task after negotiating the scope of work and fee and receiving the notice to proceed.
- Create a Technical Advisory Team (TAC) for the project, if necessary. These teams are typically comprised of representatives of the RICK Team, applicable AZ State Agency Staff, and other project stakeholders. Determine frequency of meetings and keep regular lines of communication with the Agency Project Manager and the project’s TAC.
- Prepare engineering documents (e.g. preliminary plans, final plans, estimates, exhibits, etc.) that can be used by the client to make key decisions or to support alternatives during the process of performing the task.
- Meet regularly with client staff and other stakeholders to discuss the project status, potential issues, and review prepared deliverables including plans, estimates, and project specifications as the project progresses to completion.
- Monitor the project schedule, including key scope and critical path items, and adjust the schedule after completion of each task.
- Control and manage scope changes. We will maintain a “Log of Unresolved Issues” document to be discussed at the TAC meetings or with the client at any time during the project.
- Perform quality assurance and quality control reviews at each milestone of the task order.
- Hold plan review meetings at key milestones/submittals to obtain concurrence on the resolution of reviewer comments.
- Provide support for response to pre-bid inquiries, review bids, and make recommendation for award.
- Provide construction support and related services as requested.



Performance (Tasks or Milestones)





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The success of our on-call performance has always been attributable to our close communications and effective coordination with our public agency clients. By integrating our team with agency staff, we reduce costly inefficiencies that often delay project schedules. We have specific protocols to ensure the chain of communication between the State Agency staff, our project team, cooperating public agencies, and the public community are actively maintained and enforced throughout the contract lifecycle.

One of the main responsibilities of the Task Manager is to maintain communications with and between the project team members, including subconsultants. Part of the communication process is the sharing of files and information so that each team member has access to the latest versions of all work. To that end, where it is not possible to share a common file drive, FTP sites will be established allowing all members immediate access to the latest developments in the plans and project documents. All team members have the ability to access the FTP web page, upload and download files, and see project announcements. Each task can be established online with the appropriate FTP site, accessible by all stakeholders, and a project or task website can be established for larger task orders.

When coordinating large project tasks with multiple disciplines, the Project Manager will hold regularly scheduled internal review meetings and will maintain an ongoing list of issues so that no issue is left unaddressed. These meetings will be used to identify issues, concerns, items requiring special coordination, and information needed from team members in order for other members to complete their part. This process will facilitate designs that consider other needs, such as phasing, environmental requirements, additional right-of-way easements, and ADA issues.

The State Agency involved will be provided after hours contact information for all management and key team members at the start of the contract. This information will be constantly updated on a task order basis, always including the immediate superior as well as subordinate level staff as backup. All key contacts and backup contacts will be local staff, so responses are always be available in a timely, informed, and organized manner.

Civil Engineering Services

Civil engineering is a fundamental strength of RICK. That was true in 1955 when the Company was founded, and it remains true today. Over the past six decades, public and private projects alike have grown more complex, and RICK has always kept up with the evolving project requirements. As we progress through the 21st Century, understanding and navigating the project development and approval process is critical to success. So is familiarity with the highly technical issues and state-of-the-art computer-based tools that are essential to modern civil engineering. Our civil engineering professionals can take a project through planning, preliminary design, mapping/plotting, and ultimately through the final design stage where the project becomes ready for bid and construction. Thereafter, we provide construction support through plan clarification, contractor and field surveyor coordination, and as-needed plan revision.



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Transportation/Traffic Engineering Services

Our transportation and traffic engineers provide comprehensive services to meet the needs of our clients, both in the private and public sectors. The Division was established to offer clients a broad spectrum of traffic-related services provided by specialized personnel working with the latest technological methods available. The Transportation Division is comprised of licensed civil and traffic engineers specializing in a wide range of transportation-related planning and design services. An sample of our services include:

- Street, Roadway, and Highway Design
- Freeway Design
- Interchange Design
- Traffic Signals and Lighting
- Construction Traffic Control
- Parking Analysis and Design
- Transportation Planning Studies
- Signal Timing and Coordination
- Traffic Impact Studies
- Traffic Capacity Analysis
- Geometric Alignment Studies
- Local Government Traffic Engineering Services



Our comprehensive transportation and traffic engineering services are provided by staff with a broad range of experience and a thorough familiarity with local practice and agency requirements. In addition, we utilize state-of-the-art computer equipment and software for efficient plan production, traffic modeling, and study results. A partial list includes Highway Capacity Manual Software (HCS), PASSER, MicroStation, and AutoCAD.

Drainage Engineering and Water Resources Services

RICK's deep team of drainage engineers and certified floodplain managers has prepared hundreds of plans for best management practices (BMPs) on many projects throughout Arizona. In fact, we are currently conducting a drainage study for Mohave County for a site near Kingman. We have a vast amount of experience in the design of storm water and water quality improvement projects such as extended detention basins, infiltration basins, bio-filtration, catch basin inserts, in-line storm water treatment devices, and oil/water separators. In addition to the final engineering design for many of these projects, our firm is usually responsible for the pre-design services. Pre-design services include hydrology studies to determine runoff volumes and peak flow rates, as well as floodplain/floodway studies to determine the best location for water quality improvements based on project constraints. We regularly prepare hydraulic analyses of storm water management facilities and channels emphasizing visual aesthetics, environmental values, and recreational opportunities, as well as water quality and flood control protection. Our civil engineers, surveyors, and engineering technicians work together to provide the necessary legal descriptions, right-of-way maps, field survey data, specifications, construction oversight,



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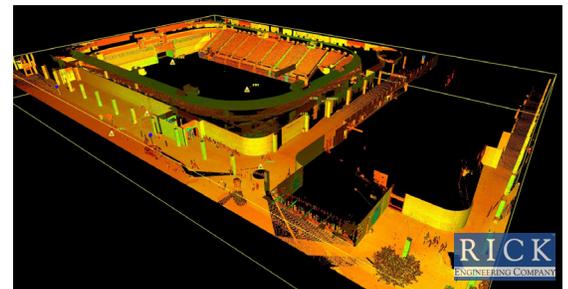
and cost estimating required for any project. Our staff is comprised of professionals who have considerable field experience, as well as technical expertise that includes familiarity with a range of hydraulic and hydrologic computer modeling programs. The firm regularly works with city, county, state, regional, and federal officials in the design of flood control and drainage facilities. Our engineering prowess has been proven in the completion of hundreds of projects, where services included best management practices, water quality protection and enhancement, compliance with regional water quality standards, erosion protection, channel improvements, and flood control.

Surveying/Mapping Services

RICK's surveyors and GIS specialists have been providing support for our many disciplines since the company's founding. These supporting specialists are involved in the civil engineering process from beginning to end. There are upwards of 100 people employed company-wide in our survey and mapping groups with each team managed by a Licensed Land Surveyor.

The survey team is comprised of multiple crews performing a wide variety of tasks across the company's footprint. The field crews are comprised of an experienced Party Chief with one or two additional crew members trained to perform a multitude of tasks from initial boundary location, aerial control, accuracy assessment surveys, topographic surveys, and final site construction staking tasks. The field crews employ state of the art survey equipment, including GPS Real Time Kinematic Systems, as well as conventional total station instruments with electronic data storage and handheld data collection devices. All equipment is fully compatible with our integrated office CADD and coordinate geometry hardware and software.

The mapping team is comprised of professionals providing the support for a combined total of 30 field crews, as well as providing the research to determine boundaries, prepare development maps, American Land Title Association (ALTA) Surveys, Records of Survey, right-of-way surveys, legal descriptions and plats, encumbrance maps, final construction surveying support, and interface with a multitude of agencies to ensure accuracy.



RICK's latest investment in surveying technology has been made in High Definition Surveying or 3D laser scanning. HDS produces a very high intensity 3-dimensional point cloud of precise measurements to accurately as-built the interior and exterior of buildings, pipe networks, construction sites, bridges, historical sites, topography and much more. Laser scanning a project captures maximum field information enabling multiple discipline utilization of a single survey mission while insuring the utmost in work place safety as you don't have to "touch" the objects to scan them. The resulting 3-D point cloud is transformed into a 2-D or 3-D cad model of versatile and measurable objects providing the ability to test and verify new designs with existing conditions.



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Urban Design/Planning Services

The Urban Design and Planning Division is an integral part of RICK. The Planning Division prepares plans and studies for communities, land and site developments. Because of the diverse skills necessary for planning, our staff members have both educational training and years of experience in land use planning, landscape architecture, civil engineering, and the graphic arts. A majority of the staff has also worked for public agencies; so they have a firsthand understanding of public involvement, development review, and political processes. In the course of their work, the Planning Division staff regularly relies on the capability and skills of personnel in other RICK divisions. This integration of disciplines allows planning staff to call on specialists with expertise in topographic mapping, terrain modeling and analysis, site development engineering, flood control assessment, and utility routing. Capabilities of the Planning Division include:

- Circulation Plans
- Feasibility Analyses
- Opportunity and Constraints Analyses
- Community, Specific, & Master Plans
- Planned Developments
- Lot Layout and Design
- Redevelopment Planning
- Plan Processing
- Project Coordination and Management
- Implementation Programs
- Public Facility Phasing and Financing
- Public Participation Programs
- Public Presentations

Landscape Architecture Services

RICK's Landscape Architects offer a full range of landscape architecture services. Our landscape architecture group has extensive experience on park projects, public rights-of-way, development projects, renovations, and commercial/industrial projects. The combined experience of our landscape architecture group permits us to address and to resolve the many challenges of the various projects. All of our landscape architects have as their primary mission to provide innovative design solutions that are responsive to the objectives and requirements of the client and project. On each project we strive to develop designs that are sensitive to both the user and the environment.



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Quality Assurance/Quality Control

RICK has a clearly established quality control plan that we have used for many years. The effectiveness of this plan has been demonstrated by the success of our past projects and reputation for trouble-free project construction. RICK adheres to a continuous emphasis and commitment to quality control through every phase of the project. This is facilitated by utilizing RICK’s manual on quality control standards, periodic quality control seminars, and staff performance reviews throughout the company. These measures are applied to all levels of work including project scheduling, internal reviews, record keeping, documentation, and plan preparation. Quality control plan and checklists are maintained by the assigned project manager for each project task. The Quality Control and Assurance Program for this contract will be conducted by our assigned QA/QC Manager, Paul Iezzi, PE, throughout the development of the project tasks and prior to product finalization.



Our attention to detail is focused on every level of the quality control/quality assurance program. For example, when reviewing plans and reports, all project staff must use the RICK Quality Control Color Code. The color code provides consistency due to its universal applicability on all projects. All plan and document checks require at least two project design team members review and coordination. This pertains to not only in-house design team staff, but also all subconsultants working on the project. An interdisciplinary review between RICK and its subconsultants is especially important to eliminate potential conflicts before plans are released for bidding and construction purposes. RICK’s Quality Manual demands constant communication and coordination amongst all involved disciplines throughout the project providing our clients with a reliable, consistent, and quality product. Below you will find a testimonial from one of our recent On-Call clients.

“The City of Eloy has recently contracted with RICK for the design for waterline construction along our Main Street, as well as the design for reconstruction of Shedd Road and Giles Street, in the City of Eloy. We have enjoyed a very friendly and professional relationship with RICK during the design of both of these projects. Dale Miller, Project Manager for RICK has been extremely helpful in asking all the right questions and coming up with excellent answers, to take the projects from concept through design. The entire team at RICK has repeatedly gone above and beyond the original scope of work, and they have always been forthright and very reasonable with their fees. I would suggest to anyone looking to design a civil project to place RICK on their short list. They have provided experienced, professional service and were a pleasure to work with.

Lance D. Dunagan, Public Works Superintendent, City of Eloy



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Project, Schedule, & Budget Controls

RICK routinely uses a series of project control procedures and methods as a basis for planning, schedule monitoring, and accommodating project variables or changes. Project controls are accomplished through a combination of an effective system of both tracking tools and effective management activities. The following are examples of the activities and tools to be utilized for this project:

Management Activities	Management Tools
Effective staff supervision and communication	Setup of a detailed project schedule at the initiation of work
Continuity of staff assignments	Schedule tracking of critical path items and forecast dates
Regular client and team meetings and resolution of issues	Progress tracking of actual versus scheduled work
Prompt meeting minutes identifying action items and assignments	Resource tracking to forecast needs to meet project manpower/ staffing requirements
Efficient cross-checking among disciplines	Cash flow tracking to track actual costs versus budgeted costs
	Project cost estimate maintained to have up to date project data available

The tools used will enable RICK to effectively coordinate with the State Agency personnel to have a constantly available progress database from which to monitor and make adjustments to the project milestones, as may be necessary. A combination of data from our accounting system of tracking time sheets and task order billings is integrated into a project planning system (Microsoft Project). The resulting reports can be issued both graphically and in spreadsheet formats to demonstrate the status of the requested tracking categories. Project budget status and control for this contract will be the responsibility of our Contract Manager, Dale Miller, PE. In order to keep current on the status of project budgets, reports of costs incurred are reviewed by our Contract Manager at a minimum of twice monthly. A monthly report is prepared showing invoiced amounts versus budget amounts by project milestone, along with a progress report of the amount of work completed versus that planned. In-house budget control is accomplished through a combination of effective staff supervision, continuity of staff assignments, continuous communication, and timely resolution of project issues.

In order to keep current on the status of project budgets, reports of costs incurred are reviewed by our Task Manager at a minimum of twice monthly. A monthly report is prepared showing invoiced amounts versus budget amounts by project milestone, along with a progress report of the amount of work completed versus that planned. In-house budget control is accomplished through a combination of effective staff supervision,



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continuity of staff assignments, continuous communication, and timely resolution of project issues. If our project becomes behind schedule, we have the in-house corporate resources to draw on experienced engineers, planners, and surveyors, as well as specialized experts. All of our office computer systems are networked together so that we can effectively communicate and manage this intensified effort seamlessly. All key company principals, office managers, and division managers meet together on a weekly basis over our video conferencing system. A main topic of this meeting is to coordinate workload and work sharing to ensure that our clients’ schedules and needs are being met. If work sharing is needed to meet a particular project need, it is here where it is coordinated and tracked to be sure our obligations are being met corporate-wide.

“The RICK team has the personnel, experience, expertise, and drive to successfully complete on-call, as-needed tasks for the State of Arizona. We stand ready to help you fulfill your needs while exceeding your expectations. Thank you for your consideration.”

Roger Bell, President
RICK ENGINEERING COMPANY.

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

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

Signature:

Date: December 21, 2015

Name: Bruce Paton

Title: Principal