



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

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

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

1. Annual Request for Qualifications

a. FIRM (OR BRANCH OFFICE) NAME:	Wood, Patel & Associates, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	2051 West Northern Avenue, Suite 100
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	AZ
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85021
f. YEAR ESTABLISHED:	1984
(g1). OWNERSHIP - TYPE:	Arizona Corporation ('S' Corp)
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	AZ UTRACS Small Business Concern (SBC)
h. POINT OF CONTACT NAME AND TITLE:	Darrel E. Wood, P.E., R.L.S., Principal
i. POINT OF CONTACT TELEPHONE NUMBER:	(602) 335-8500
j. POINT OF CONTACT E-MAIL ADDRESS:	marketing@woodpatel.com
k. NAME OF FIRM <i>(If block 1a is a branch office):</i>	



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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)
5	Area Master Planning	3
1	Cemeteries	1
8	Commercial Building (Low Rise); Shopping Centers	2
8	Community Facilities	3
18	Construction Management	4
24	Construction Surveying	2
15	Cost Estimating; Cost Engineering & Analysis, Parametric Costing; Forecasting	1
2	Dams (Earth; Rock); Dikes; Levees	2
6	Educational Facilities; Classrooms	2
12	Geodetic Surveying; Ground and Airborne	2
15	Highways; Streets; Airfield Paving; Parking Lots	2
10	Hospital and Medical Facilities	2
4	Hotels; Motels	2
12	Housing (Residential, Multi-Family; Apartments; Condominiums)	2
2	Industrial Buildings; Manufacturing Plants	1
15	Irrigation; Drainage	4
1	Judicial and Courtroom Facilities	1
12	Land Surveying	3
2	Libraries; Museums; Galleries	1
4	LEED Accredited A/E	2
6	Office Buildings; Industrial Parks	2
4	Recreation Facilities (Parks, Marinas, etc.)	3
24	Sewage Collection, Treatment and Disposal	2
12	Surveying; Platting; Mapping; Flood Plain Studies	4
24	Storm Water Handling and Facilities	3
15	Traffic and Transportation Engineering	3



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12	Topographic Surveying and Mapping	2
2	Warehouse and Depots	1
15	Water Resources; Hydrology; Ground Water	5
24	Water Supply; Treatment and Distribution	2

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than \$100,000
2. \$100,000 to less than \$250,000
3. \$250,000 to less than \$500,000
4. \$500,000 to less than \$1 million
5. \$1 million to less than \$2 million
6. \$2 million to less than \$5 million
7. \$5 million to less than \$10 million
8. \$10 million to less than \$25 million
9. \$25 million to less than \$50 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 Darrel E. Wood, P.E., R.L.S.	b. ROLE IN THIS CONTRACT Principal	c. YEARS EXPERIENCE	
		1. TOTAL 35	2. WITH CURRENT FIRM 30
d. LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S.E. Civil Engineering Arizona State University A.A.S. Agricultural Science, SUNY Morrisville		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer, AZ #13138 / Professional Land Surveyor, AZ #16627	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Society of Civil Engineers, Arizona Floodplain Management Association, Valley Partnership, Arizona Consulting Engineers Association, St. Mary's Food Bank Board Member, Arizona State Board of Technical Registration – Past Board Member, 2012 National ACEC Community Service Award.			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Mockingbird Lane & 56th Street Improvements, Paradise Valley, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Darrel was responsible for design of the roadway, the relationship of the existing mature vegetation with proposed roadway improvements and roadway grades to allow cast-in-place concrete box culvert. Major features of the project included new asphalt paving on Mockingbird Lane from 52nd to 56th Streets, curb and gutter, sidewalk and driveway upgrades in all areas. Improvements were constructed in compliance with MAG, the Town of Paradise Valley, the City of Phoenix, and ADA Standards. The scope of services included all field inspection, construction administration and project close-out for the Town of Paradise Valley.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Scottsdale Road, Thompson Peak Parkway to Pinnacle Peak Road, Scottsdale, AZ	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Darrel was the Project Principal for this project which provided construction administration services for a major bridge structure (11,900 cfs) and roadway improvements. Other services included a Design Concept Report and final construction documents for Scottsdale Road improvement to a major arterial section incorporating major drainage structures to accommodate FEMA 100-year floodplain flow patterns. Water and wastewater lines were also designed and relocated.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Rawhide Wash at Silverstone, Scottsdale, AZ	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Darrel is the Project Principal for this project which included design and construction administration services for a complex flood control channel. FEMA has designated an alluvial type floodplain for Rawhide Wash delineating over hundreds of acres in north Scottsdale and Phoenix. This project included land planning, hydrology, hydraulics, and scour analysis for a channel segment between 2 bridges designed by the Wood/Patel team (100-year peak discharge of 11,900 cfs).	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Mountain Preserve Acquisition Services, Scottsdale, AZ	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Darrel served as Project Principal for this project which provided technical due diligence services for acquisition of Arizona State Land Department properties for the McDowell Mountain Preserve. Services included determining the amount of land not burdened by ground slopes over 15%, boulder outcrops, culturally sensitive areas, washes conveying over 50 cfs, and designated FEMA floodplains. Preliminary Opinion of Probable Infrastructure Cost was completed.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Country Club & I-40 Commercial Park, Flagstaff, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) Anticipated 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Darrel is the Principal for this project which reclaims land from the FEMA floodplain for commercial and retail uses. The Rio de Flag bisects the property and creates a significant volume of floodwater which ponds on the property. Wood/Patel developed an acceptable multi-agency approved solution. Construction documents include public improvements such as roadway, water, and sanitary sewer. A Mass Grading Plan was developed to reclaim land and provide documentation for volume displacement of floodwaters.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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a. NAME Darin Moore, P.E., LEED GA	b. ROLE IN THIS CONTRACT Senior Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 19	2. WITH CURRENT FIRM 12
d. LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering, Washington State University		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Engineer, AZ #36382 LEED Green Associate #10555946	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Society of Civil Engineers, Valley Partnership, Alliance for Construction Excellence, Central Arizona Society of Healthcare Engineering, U.S. Green Building Council, NAIOP			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED
1.	Southern Arizona Veterans' Memorial Cemetery, Sierra Vista, AZ (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Darin served as project manager on this 145-acre project for ADOA and the Arizona Department of Veteran's Services that provided planning, design, and construction oversight services for enhancements to the Southern Arizona Veterans' Memorial Cemetery. Services improved the access roadway, parking lots, drainage, the committal services area, assembly area, Avenue of Flags, and burial section, as well as evaluation and replacement of segments of the irrigation system and installation of twin columbaria.	<input checked="" type="checkbox"/>	Professional Services 2013 Construction (if applicable) 2013
		<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	Florence Recreation Center, Aquatic Center & Public Library, North End Framework Vision Plan, Florence, AZ (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project consists of a phased development of 40-acres within the Town of Florence Vision Plan, referred to as Territory Square. The initial development of Territory Square consists of 18-acres and includes construction documents for a recreation center, sports fields, aquatic facility and library with associated parking, roadways, utility extensions, and improvements to two adjacent public roadways. Our scope of services also includes engineering master planning documents for water and sewer extensions over the site.	<input checked="" type="checkbox"/>	Professional Services 2015 Construction (if applicable) Ongoing
		<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	Arizona State University College Avenue Commons, Tempe, AZ (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Expansion of ASU's Tempe Campus includes the College Avenue Streetscape. Services include landscaping, site amenities, grading & stormwater management. As part of this \$57 million project, a mixed-use mid-rise building involves a two-level bookstore, auditorium, ASU office space, classrooms, and other functions. The site links the 7 th Street east-west corridor to the College Avenue north-south corridor. Darin provided on- and off-site infrastructure, water & sewer system improvements, and dry utility system upgrades.	<input checked="" type="checkbox"/>	Professional Services 2014 Construction (if applicable) Ongoing
		<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	Arizona State University New Business School Facility, Tempe, AZ (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager on this \$57 million project including a plaza with water features and a 128,000 square-foot facility containing classroom and office space, student and career services, and social spaces. The project is pursuing LEED-Gold status and our scope includes topographic survey, utility coordination, preliminary engineering, drainage study with underground retention design, final grading, water, sewer improvements, LEED Certification support services, and post-design support.	<input checked="" type="checkbox"/>	Professional Services 2013 Construction (if applicable) 2013
		<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	Veterans' Administration Arizona State Home, Tucson, AZ (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Darin lead the team producing 35% civil "bridging documents" for this project within a very short timeframe. Challenges included designing connecting finish floors across a site with six feet of vertical drop, designing tight utility corridors for domestic water, fire, sanitary sewer, and gas service to multiple buildings without crossing the enclosed building walkway system, and creating a grading, drainage, and utility mainline design that minimizes disruption to the busy existing hospital facility. The Home consists of 1 admin building, 4 residential buildings, multiple outdoor gathering areas with gardens, parking areas, and drives.	<input checked="" type="checkbox"/>	Professional Services 2013 Construction (if applicable) N/A
		<input checked="" type="checkbox"/> Check if project performed with current firm	



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a. NAME Christopher Salas, P.E.	b. ROLE IN THIS CONTRACT Project Manager, Roadways	c. YEARS EXPERIENCE	
		1. TOTAL 13	2. WITH CURRENT FIRM 2
d. LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering, Arizona State University		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Civil Engineer, Arizona #52411	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Public Works Association			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Copper Sky Regional Park, Maricopa, AZ	2013	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Chris served as project engineer for this 122-acre regional park. The project is a 140-acre site at the intersection of State Route 347 and Bowlin Road in Maricopa. Site civil design included engineering site plan, FEMA submittal to update the floodplain insurance study, grading & drainage, offsite roadway improvements, and utility coordination including bringing water, sewer, and electrical services to the park. This project was successfully completed for the City of Maricopa.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Encinas Lane Roadway Improvement Project, Phoenix, AZ	2013	Anticipated 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for roadway improvements of 5/8 of a mile of retrofitting an existing neighborhood with a modern lock street section. The existing road was a narrow section without curb and gutter and no storm drain. The new section is a modern width, curb & gutter, and drainage infrastructure. This project required coordination with SRP for both tiling of the irrigation ditch and relocation of the 69kV power poles.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Scottsdale Parcel 5 Developable Land Report, Scottsdale, AZ	2013	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Chris was the project manager who evaluated the property for developability after removing portions encumbered by any wash greater than 50 cfs, FEMA designated floodplains, ground slopes of 15% or more, major boulder outcrops, bedrock, and shallow bedrock. The team also evaluated infrastructure needs including sewer, water, and transportation and provided cost estimates for those improvements. This project was successfully completed for the City of Scottsdale.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Storm Drains Report – 27th Avenue, Almeria and Willeta, Phoenix, AZ	2013	2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Chris was the project manager for this project that extended storm drains into an industrial complex where historical flooding was documented. A hydrologic evaluation was performed as well as evaluation of the existing storm drain infrastructure. Alternatives were proposed. The main design feature was the extension of storm drain and reconfiguring a catch basin. Final deliverables were plans, specifications, cost estimates, and a drainage memo that included our hydraulic analysis.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Casa Grande Highway – Porter Road to White & Parker Road, Maricopa, AZ	2012	Anticipated 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This 1.25 mile project was a very complicated project that included adding two additional lanes, overlaying existing pavement, and intersection improvements, the addition of an interconnected traffic signal at the UPRR intersection, all funded with Federal funds. The project was phased to allow the traffic signal and intersection improvements to be advanced and tied into the existing two-land configuration. The traffic signal was interconnected to the railroad's crossing gates with a standard two-wire pre-emption. This road is a rural section without such amenities as curb & gutter, sidewalk, or landscaping.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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a. NAME Jeffrey R. Minch, P.E., CFM	b. ROLE IN THIS CONTRACT Senior Project Manager – Water Resources	c. YEARS EXPERIENCE	
		1. TOTAL 28	2. WITH CURRENT FIRM 10
d. LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering, Arizona State University		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Civil Engineer, Arizona #24999	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Certified Floodplain Manager, American Society of Civil Engineers, Arizona Floodplain Managers Association, American Council of Engineering Companies.			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable) Ongoing
1.	White Tanks FRS No. 4 Rehabilitation, Buckeye, AZ		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for the development of detailed hydrology, hydraulics, and construction documents for this flood retarding structure rehabilitation project. The hydrologic analysis also evaluated current and MAG future land uses for the contributing watershed. A correction to the 15% hydrologic model and the application of more appropriate methods resulted in a 135% reduction in the PMF peak inflow . The refined inflow design floods enabled the team to reduce the proposed dam raise by 3.5 feet and resulted in multi-million dollar cost savings .	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Loop 303 Outfall Drainage System, FCDMC/Goodyear, AZ		
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager for this downstream-most portion of the regional drainage system for the Loop 303 freeway corridor in coordination with ADOT, MCDOT, and Goodyear. The 4.5 mile project includes open channels, box culverts, storm drains, landscaping, and aesthetic treatments. The complexity of the design addresses crossings of the UPRR, Kinder Morgan petroleum line, the PVNGS cooling waterline, fiber optic lines, MC 85, BGWCDD Canal, and RID irrigation facilities. Design services are ongoing and this \$20 million project is currently under construction.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Bethany Home Road Outfall Channel, FCDMC, Glendale & Phoenix, AZ	Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager directing the design for this \$67 million flood control project. Services included development of construction documents for two miles of grass-lined channel, a 6,700-foot underground conveyance system, one-mile-long detention basin, concrete vertical channels, utility coordination, park amenities, public involvement, and the development of a CLOMR for the completed project. The project earned two ACEC Engineering Excellence Awards.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Pinnacle Peak Road Basin & Channel Project, FCDMC & Peoria, AZ	Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Jeff was project manager for this joint project between the Flood Control District of Maricopa County and the City of Peoria. The project included a pre-design study, final design, landscaping, irrigation, and post-design services. Subsequent to the pre-design study, a value analysis identified a refinement that allowed the project partners to eliminate ½ mile of downstream conveyance system saving over \$1 million in construction and over \$50,000 in design fees .	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Territory Square (North End Frame Work Vision Plan, Florence, AZ	Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As part of the planning study , Wood/Patel provided civil engineering, transportation planning and Gila River floodplain evaluations for the 780 acres for this project. Services included evaluation of the levee system as well as fill placements to reclaim developable land from the Gila River floodplain. Four options including levee, modified levee, floodplain fill and combination of floodplain fill-levee were considered in detail based on their pros and cons as well as cost-benefits analysis. We also participated in the Technical Advisory Committee, Stakeholder Advisory Committee and public participation program.	<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 Robert D. Gofonia, P.E., R.L.S.	b. ROLE IN THIS CONTRACT Senior Construction Manager	c. YEARS EXPERIENCE	
		1. TOTAL 38	2. WITH CURRENT FIRM 10
d. LOCATION <i>(City and State)</i> Phoenix, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S. Civil Engineering, Polytechnic Institute of Brooklyn A.A. Construction, Westchester Community College, New York		f. PROFESSIONAL TRAINING – REGISTRATIONS Professional Civil Engineer, Arizona #11227 Registered Land Surveyor, Arizona #16542	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i>			

American Public Works Association, Construction Management Association of America, American Concrete Institute

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Southern Arizona Veterans' Memorial Cemetery, Sierra Vista, AZ	2013	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Bob served as construction manager on this 145-acre project for ADOA and the Arizona Department of Veteran's Services that provided planning, design, and construction oversight services for enhancements to the Southern Arizona Veteran's Memorial Cemetery. Services improved the access roadway, parking lots, drainage, the committal services area, assembly area, Avenue of Flags, and burial section, as well as evaluation and replacement of segments of the irrigation system and installation of twin columbaria.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	McDowell Road Commercial Corridor, Goodyear, AZ	2010	2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE This is the most comprehensive improvement district completed in the State of Arizona. Design and construction inspection and administration for this \$42 million project. Work elements included major street road widening (which also involved the renovation of an existing RID Canal structure, temporary facilities and coordination with private developers resolving access issues to public roadways), new street construction, water mains, sewer mains, four bridges, a 10' x 4' box culvert, linear park, landscaping, and lighting. The improvements also included the redesign of a 16" diameter waterline during construction.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Saint Xavier University, Gilbert, AZ	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Wood/Patel's Construction Management team was selected by the Town of Gilbert to act as the Program Managers for the St. Xavier University in the Heritage District of downtown Gilbert. The University will be a four-story, 87,000 square foot structure with a project budget of \$40 million. Nursing will be the first program offered at the University and a full curriculum will be offered as the University expands. Program Managers are overseeing the architect, contractor, and the project manager/construction manager through design and construction of this important downtown revitalization project.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Rawhide Wash at Silverstone, Scottsdale, AZ	2014	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Bob provided construction administration services for this complex flood control channel in north Scottsdale. The channel serves as floodplain reclamation to a FEMA-designated alluvial fan floodplain. The project included surveying, channel hydraulics, and scour analyses to convey a 100-year peak discharge of 11,900 cfs between two bridges. The project involved an earthwork quantity of 70,000 cubic yards of cut and large quantities of soil cement, installation of gabion baskets, and ADA designed pathways. Ultimately, the project was certified as FEMA-compliant and was submitted to FEMA.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Higley Groves ADA Concrete Ramp Replacement, Gilbert, AZ	2014	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Bob is responsible for construction management and construction administration services for the removal and replacement of all ADA ramps in a major subdivision in Gilbert. Once all of the ramps have been replaced, the existing asphalt pavement will be milled and overlaid.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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a. NAME James S. Campbell, P.E., LEED GA	b. ROLE IN THIS CONTRACT Senior Civil Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 35	2. WITH CURRENT FIRM 28
d. LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering, Arizona State University		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Civil Engineer, Arizona #16230 LEED GA #10572008	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Society of Civil Engineers, YMCA Board of Management Member			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Tiger Exhibit – Phoenix Zoo, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A new Tiger exhibit will begin construction in the first quarter of 2015, and will replace the existing exhibit once constructed. The 1-acre exhibit consists of a 19,445-square foot holding building for the tigers, two viewing structures, and a yard that allows the tigers to roam around and a pool to play in. A public restroom was also accounted for in this project. Full civil engineering construction documents were prepared, including grading and drainage, water and sewer, fireline, and stormwater management plans.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Centennial Plaza, Peoria, AZ	(2) YEAR COMPLETED	
		Professional Services 2010	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Centennial Plaza is a celebration park in commemoration of the State Centennial in 2012. The park was awarded through a very competitive design-build competition that revolved around a "seed" concept of Peoria's potential in the coming century. The design elements include a vegetative shading structure that combines architectural features that interact with the Decades Walk, open event lawn, bio-swale and an amphitheater shade structure. The drainage design required incorporation of approximately 110,000 c.f. of stormwater retention.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Schwab Trail, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The Charles Schwab campus, located at 24 th Street and Lincoln in Phoenix, contains a trail system for their employees to enjoy. Wood/Patel designed the 4,500-foot natural trail system that meanders in and around the 34-acre site. Particularly challenging was the steep vertical terrain and minimizing the disturbance of the heavy existing vegetation.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Legacy Charter School at Avondale, Avondale, AZ	(2) YEAR COMPLETED	
		Professional Services 2011	Construction (if applicable) 2012
	This 10.5-acre K-8 charter school has a 16,800 square foot administration/gymnasium/cafeteria building, two 15,500 square feet academic buildings, parking, and provisions made for a future 15,500 square foot academic building. It also has a soccer and baseball field. Full improvement plans, including an offsite bus bay, began in January, with construction starting April, 2011, to allow for occupancy on August 1, 2011.		
5.	(1) TITLE AND LOCATION (City and State) Lake Overlook Education & Event Center – Phoenix Zoo, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) Anticipated 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Two new buildings totaling 10,200 square feet for the primary use of education classes and special events were positioned on 1.8 acres on the north side of the main lake. Wood/Patel provided full civil engineering improvement plans, including grading, domestic water and sewer, and fireline. Several existing utility lines needed to be relocated and drainage from upstream amenities needed to be rerouted through and around the improvements to get to the lake. The project received LEED certification.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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

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

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

a. NAME Thomas R. Gettings, R.L.S.	b. ROLE IN THIS CONTRACT Survey Manager	c. YEARS EXPERIENCE	
		1. TOTAL 30	2. WITH CURRENT FIRM 20
d. LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION)		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Land Surveyor, Arizona #27239	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Board Member, American Indian Chamber of Commerce of Arizona; State of Arizona Board of Technical Registration Enforcement Advisory Committee; American Congress on Surveying & Mapping; National Society of Professional Surveyors; National Utility Contractors Assoc. of Arizona			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) West Valley Resort, Maricopa County, AZ	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable) Anticipated 2015 (Phase 1)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tom is the project manager of this high profile, multi-phased project consisting of 135 acres of unincorporated land. Wood/Patel has coordinated with multiple agencies including Maricopa County, Peoria, Glendale, MCDOT, and ADOT and various utility providers. The site is comprised of buildings with varying uses, parking lots and structures, detailed landscaping network, and extensive vehicle and pedestrian interconnections. Multiple factors have been considered and incorporated to limit disturbance of surrounding neighborhood facilities. This project is ongoing.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Apache Sky Casino/Resort, San Carlos, AZ	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) Anticipated 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tom is the project manager for this several hundred acre project that is a compilation of land controlled by multiple entities including Arizona State Land Department, ADOT, Bureau of Land Management, San Carlos Apache Tribe, and privately held land. This ongoing project is a multi-phased, multi-use development requiring establishment of new utility and roadway infrastructure in a remote location to support the development.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Encinas Lane, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Project Manager for this 5/8 mile long roadway project. The location of the canal has long been in question due to poor documentation of records, frequent canal overtopping, and historic flooding due to the canal embankments. Wood/Patel performed boundary and topographic surveys along with design for storm drain facilities, utility line relocations, and roadway improvements.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) 19th Street & Madison Street, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tom was the Project Manager for this city-block-long project to identify and remedy discrepancies between recorded property lines and actual lines of possession. The document research effort uncovered unrecorded handwritten sketch and notes from the original surveyor in 1960 explaining how the property was originally surveyed. Results of Survey were prepared for the lots within the block, legal descriptions of the discrepancy areas were prepared, property corners were set for the revised parcels, and a Record of Survey was recorded to document the project.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Light Rail, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Tom was project manager for the identification of excess property along a 3-mile length of the Light Rail Project within the City of Phoenix. Boundary and topographic surveys were performed on 19 separate segments to identify required right-of-way and various easement requirements. Legal descriptions and Results of Survey were prepared, property corners for the remnant parcels were set, and Records of Survey were recorded to support the conveyance of the excess property.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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

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

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

a. NAME Kathy Svehovsky, R.L.S.	b. ROLE IN THIS CONTRACT Survey Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 17	2. WITH CURRENT FIRM 7
d. LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Surveying Technology, Phoenix College Associates Degree, Technical Drafting & CAD, ITT Technical Inst.		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Land Surveyor, Arizona #46118	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Arizona Professional Land Surveyors Association, Central Chapter			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Marana Spectrum, Marana, AZ	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Kathy is the Survey Project Manager for this 140-acre rural site with historic drainage challenges. The project is a multi-phased, multi-use commercial development consisting of a new roadway and utility infrastructure along with significant drainage improvements. Services include topographic survey, legal descriptions, and platting along with complete civil design of utilities, roadways, and parcel grading. This project is ongoing.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Scottsdale Road – Thompson Peak Parkway to Pinnacle Peak, Scottsdale, AZ	(2) YEAR COMPLETED	
		Professional Services 2012	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Kathy was the Survey Project Manager providing topographic surveying and design services to improve a three-mile stretch of Scottsdale Road from Thompson Peak Parkway to Pinnacle Peak Road. Services included tying into existing side streets, developments, shopping centers, and utilities. Other services included a drainage study, pavement evaluation/recommendations, utility relocation, traffic signal design, and street light upgrades.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) 35th Avenue and Baseline Road, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) Anticipated 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Kathy served as Survey Project Manager of this topographic survey project consisting of 1.5 miles of roadway design and landscaping improvements. Services included horizontal and vertical control, street monument recovery and restoration, topographic survey and property, right-of-way, and easement research and parcel descriptions. Kathy coordinated with the City of Phoenix and Salt River Project to meet client needs.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) West Valley Resort, Maricopa County, AZ	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A high profile, multi-phased project consisting of 135 acres of unincorporated land. Wood/Patel has coordinated with multiple agencies including Maricopa County, Peoria, Glendale, MCDOT, and ADOT and various utility providers. The site is comprised of buildings with varying uses, parking lots and structures, detailed landscaping network, and extensive vehicle and pedestrian interconnections. Multiple factors have been considered and incorporated to limit disturbance of surrounding neighborhood facilities. This project is ongoing.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Merrill Crater Ranch, Navajo Housing Authority	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Kathy prepared an ALTA/ACSM Survey for this 2,100 acre site for master planning of a new community housing development. The Navajo Nation is in the process of purchasing the land and incorporating it into the Navajo Reservation.	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

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

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

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

a. NAME Cesar Castillo, P.E.	b. ROLE IN THIS CONTRACT Project Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 15	2. WITH CURRENT FIRM 1
d. LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering, University of Sonora		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Civil Engineer, Arizona #52604 Professional Civil Engineer, Mexico #3050059	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) Construction Management Association of America			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Country Club & I-40 Commercial Park, Flagstaff, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) Anticipated 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Cesar is Project Engineer of this project which reclaims land from the FEMA floodplain for commercial and retail uses. The Rio de Flag bisects the property and creates a significant volume of floodwater which ponds on the property. Wood/Patel developed an acceptable multi-agency approved solution. Construction documents include public improvements including roadway, water, and sanitary sewer. A Mass Grading Plan was developed to reclaim land and provide documentation for volume displacement of floodwaters.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Encinas Lane, 16th Street to 21st Street, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) Anticipated 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Cesar is Project Engineer for this project that intends to provide a modern urban street to southern Phoenix. Proposed improvements include realignment and widening of 3,300 feet of Encinas Lane to an ultimate local roadway section with new sidewalks, street lighting and new irrigation pipeline to replace an existing Salt River Project irrigation lateral located adjacent to the present alignment of Encinas Lane. Cesar's tasks include data research; preparation of right-of-way calculation exhibits, paving plans and specifications; drainage analysis and report; and extensive coordination with City staff, utility companies and subconsultants.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Dove Valley Low Volume Roads, Maricopa County Department of Transportation, Maricopa County, AZ	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) Anticipated 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The purpose of this project is to suppress dust generated at these dirt roads by paving two 12-foot lanes without significant modifications to existing overall drainage. Services include preparation of Technical Memoranda, Environmental Assessment and construction documents. Cesar is responsible for the design of horizontal and vertical alignments; preparation of paving plans, signing plans, cost estimate and specifications. Extensive coordination with MCDOT staff was needed for design exceptions due to close proximity between wash crossings. Cesar also attended project meetings and assisted in data collection and coordination with utility companies.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) 27th Avenue Drainage Improvements – Almeria Road, Willeta Street, and 27th Avenue at Roosevelt Street, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Cesar served as Project Engineer evaluating and designing new drainage improvements to mitigate reported flooding. Services included the evaluation and potential design modifications to an existing storm drain diversion structure at 27 th Avenue and Roosevelt Street and design of storm drain modifications to Almeria Road. Cesar's tasks included design of roadway and drainage improvements, preparation of construction plans, cost estimate, project specifications and right-of-way calculation exhibits.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Central Avenue, Van Buren to Western Avenue, Avondale, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) Anticipated 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As the Project Engineer, Cesar is currently responsible for the design of the roadway improvements and preparation of the construction documents, project specifications and engineer's cost estimate. He prepared the hydrology and hydraulic analyses for the drainage study. He is working closely with sub-consultants and City staff to incorporate all utility work associated with this project, specifically the proposed water and sewer mainline improvements for this segment which are part of separate project.	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

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

**STATE PROCUREMENT OFFICE
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100 North 15th Avenue, Suite 201
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4. Resumes of Key Personnel Proposed for this Contract (Complete one Section 4 for each key person.)

a. NAME Ron Martinez, P.E.	b. ROLE IN THIS CONTRACT Construction Manager	c. YEARS EXPERIENCE	
		1. TOTAL 36	2. WITH CURRENT FIRM 2
d. LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering, New Mexico State University		f. PROFESSIONAL TRAINING - REGISTRATIONS Professional Civil Engineer, Arizona #13492	
g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.) American Society of Civil Engineers			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) Mockingbird Lane & 56th Street Improvements, Paradise Valley, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ron served as Construction Manager for the roadway, the relationship of the existing mature vegetation with proposed roadway improvements and roadway grades to allow cast-in-place concrete box culvert. Major features of the project included new asphalt paving on Mockingbird Lane from 52nd to 56th Streets, curb and gutter, sidewalk and driveway upgrades in all areas. Improvements were constructed in compliance with MAG, the Town of Paradise Valley, the City of Phoenix, and ADA Standards. The scope of services included all field inspection, construction administration and project close-out for the Town of Paradise Valley.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Higley Groves ADA Concrete Ramp Replacement, Gilbert, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ron performed construction management and construction administration services for the removal and replacement of all ADA ramps in a major subdivision in Gilbert. Once all of the ramps have been replaced, the existing asphalt pavement will be milled and overlaid.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) Saint Xavier University, Gilbert, AZ	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable) Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Wood/Patel's Construction Management team was selected by the Town of Gilbert to act as the Program Managers for the St. Xavier University in the Heritage District of downtown Gilbert. The University will be a four-story, 87,000 square foot structure with a project budget of \$40 million. Program Managers are overseeing the architect, contractor, and the project manager/construction manager through design and construction of this important downtown revitalization project.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) 19th Avenue Cost-to-Cure Improvements, Mission Shadows and Los Olivos, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ron was the Construction Manager on this \$2.7 million project that involved the widening of 19 th Avenue for the Light Rail. Construction management and construction administration services were provided for the demolition of the front of two apartment complexes to be rebuilt back and out of the way of the Light Rail project.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Rawhide Wash at Silverstone, Scottsdale, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ron is Construction Manager for this project which included design and construction administration services for a complex flood control channel. FEMA has designated an alluvial type floodplain for Rawhide Wash delineating over hundreds of acres in north Scottsdale and Phoenix. This project included land planning, hydrology, hydraulics, and scour analysis for a channel segment between 2 bridges designed by the Wood/Patel team (100-year peak discharge of 11,900 cfs).	<input checked="" type="checkbox"/>	Check if project performed with current firm



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

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

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

a. TITLE AND LOCATION (City and State) Southern Arizona Veterans' Memorial Cemetery, Sierra Vista, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION (If applicable) 2013

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Arizona Department of Administration Jeff Pugh Arizona Department of Veterans' Services	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$1,471,008	e. TOTAL COST OF PROJECT Completed under budget \$1,446,625
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

The Arizona Department of Administration in association with the Arizona Department of Veterans' Services (ADVS) selected Wood/Patel to provide planning and design services for the Phase 2 expansion and enhancement of the Southern Arizona Veteran's Memorial Cemetery. ADVS originally established the cemetery on approximately 145 acres of land which was previously part of the Ft. Huachuca Military Reservation. The expansion project provided both additional columbaria plaza and gathering space. The enhancement portion of the project provided much needed improvements to hardscape, parking, private roadway paving, curb, and drainage improvements onsite.

Wood/Patel's services included land survey, civil engineering, and construction management services. Client assistance with budgeting and project deliverable documentation was key to the project's overall success. Wood/Patel also managed several other design disciplines to deliver this design-bid-build (DBB) project on-time. Subconsultant services included planning, structural, landscape, irrigation and geotechnical study and materials testing.

Wood/Patel Team members:

- Darrel Wood
- Darin Moore
- Bob Gofonia
- Tom Gettings



ATTACHMENT I – General Qualifications

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

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

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

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

a. TITLE AND LOCATION <i>(City and State)</i> Veterans' Administration Arizona State Home, Tucson, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> 2013

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Arizona Department of Veteran's Services Jeff Pugh	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$30 Million	e. TOTAL COST OF PROJECT \$27 Million
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g. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

In 2009, the State of Arizona proposed the construction of a second Arizona State Veteran's Home to be located adjacent to the campus of the Southern Arizona Veteran's Administration Health Care System (SAVAHCS) in Tucson. SAVAHCS donated 8.54 acres of land on which the home was built. The nearly \$27 million project is a joint venture between the ADVS and the U.S. Department of Veterans' Affairs.

This project consists of one administrative building, four clustered residential buildings containing 120 nursing home beds, multiple outdoor gathering areas with gardens between building walkways, parking areas, and drive isles designed with the residents in mind. The buildings' architectural mission-style blends with the existing historic hospital campus. Wood/Patel successfully produced 35% civil "bridging documents" for this project within a very short timeframe. Civil challenges included designing connecting finish floors across a site with six feet of vertical drop, designing tight utility corridors for domestic water, fire, sanitary sewer, and gas service to multiple buildings without crossing the enclosed building walkway system, and creating a grading, drainage, and utility mainline design that minimizes disruption to the busy existing hospital facility. Extensive topographic survey information was collected to allow the proposed project to fit within the existing and independent hospital campus.

Wood/Patel worked closely with the project architect, Arizona Department of Veterans' Services, City Planning and Development Services, City of Tucson Water Department, and Pima County Wastewater to generate a thorough preliminary design.

Wood/Patel Team members:

- Darrel Wood
- Darin Moore
- Bob Gofonia
- Tom Gettings



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

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

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

<p>a. TITLE AND LOCATION (City and State) Rawhide Wash at Silverstone, Scottsdale, AZ</p>	<p>b. YEAR COMPLETED</p>	
	<p>PROFESSIONAL SERVICES 2012</p>	<p>CONSTRUCTION (If applicable) 2014</p>

23. PROJECT OWNER'S INFORMATION

<p>c. PROJECT OWNER RHVT Limited Partnership Mike Pacheco</p>	<p>d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$24 Million</p>	<p>e. TOTAL COST OF PROJECT \$24 Million</p>
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h. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Wood/Patel designed the interim and ultimate channel alignment for Rawhide Wash. The ultimate channel captures and conveys the full apex discharge of 11,900 cfs, has a natural channel bottom with a combination of soil cement and gabion baskets to provide erosion control for 100-year velocities averaging 10-12 ft./sec. The channel was designed with a benched low-flow/high-flow terrace to minimize sediment impacts, reduce flood velocities and accommodate a landscaped trail system. Wood/Patel also designed the major bridges and road infrastructure at Pinnacle Peak and Scottsdale Roads to convey the full apex flow. The project included public water and sewer, storm drains, and public roadway.

Construction administration services were also provided for this complex flood control channel. The channel serves as floodplain reclamation to a FEMA-designated alluvial fan floodplain. This project included surveying, channel hydraulics, and scour analyses. The project involved an earthwork quantity of 70,000 cubic yards of cut and large quantities of soil cement, installation of gabion baskets, and ADA designed pathways. Ultimately, the project was certified as FEMA-compliant and submitted to FEMA.

Wood/Patel successfully represented both the City of Scottsdale's and Silverstone's interests for a construction value of \$24 million. Additional services included leading and coordinating public outreach, Section 404 permitting, FEMA compliance (CLOMR), and coordination with the Arizona State Land Department (ASLD). The various components of the six-year phased projects were all delivered on time and within budget, and **without any significant contractor change orders.**

Wood/Patel Team members:

- Darrel Wood
- Jeff Minch
- Darin Moore
- Bob Gofonia
- Tom Gettings
- Kathy Svehovsky
- Bob Gofonia
- Ron Martinez



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

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

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

a. TITLE AND LOCATION (City and State) Territory Square, Phase 1 & 2, Florence, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) Ongoing

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Town of Florence Mark Eckhoff	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$15 Million	e. TOTAL COST OF PROJECT 15 Million
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

As part of the **planning study**, Wood/Patel provided civil engineering, transportation planning and Gila River floodplain evaluations for this **780 acre** project. Services included evaluation of the levee system as well as fill placements to reclaim developable land from the Gila River floodplain. Four options including levee, modified levee, floodplain fill and combination of floodplain fill-levee were considered in detail based on their pros and cons as well as cost-benefits analysis. We also participated in the Technical Advisory Committee, Stake Holder Advisory Committee as well as public participation program. Based on the concept evaluation, a more detailed study was performed for the floodplain fill-based option in conjunction with the land use plan. A large area from the floodplain was reclaimed for land development. A technical data notebook was prepared including hydrology and hydraulics for Gila River for the FEMA Conditional Letter of Map Revision (CLOMR) submittal.

The initial development of the Town of Florence's Territory Square consists of 18-acres for a recreation center, sports fields, aquatic facility and library with associated parking, roadways, utility extensions, and improvements to two adjacent public roadways. Wood/Patel's Scope of Services includes construction documents, engineering master planning documents for water and sewer extensions over the site, assisting the Town with master plan roadway alignments and drainage concepts, and producing civil design reports. The Town of Florence faced many unique challenges on this development such as coordinating the design effort with many stakeholders on floodplain issues and Federal irrigation facilities conflicting with development. Wood/Patel coordinated with the San Carlos Irrigation District to establish an alternate alignment for their facilities to minimize conflicts with future phases of the Town's Vision Plan.

Wood/Patel Team Members

- Darrel Wood
- Jeff Minch
- Darin Moore
- Tom Gettings
- Bob Gofonia



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

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

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

a. TITLE AND LOCATION (City and State) Centennial Plaza, Peoria, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable) 2011

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Peoria Jeff Sargent, ASLA (623) 773-7128	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$2.8 Million	e. TOTAL COST OF PROJECT
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Centennial Plaza is a celebration park in commemoration of the upcoming State Centennial in 2012. The park was awarded through a very competitive design-build competition that revolved around a "seed" concept of Peoria's potential in the coming century. An informative "Decades Walk" identifies concurrent World, State and Local events, both historic and pop culture that have shaped our community and state. The design elements in the plaza include a vegetative shading structure that combines architectural features that interacts with the Decades Walk, open event lawn, bio-swale and an amphitheater shade structure. The drainage design required incorporation of approximately 110,000 c.f. of stormwater retention. Wood/Patel staff worked closely with the team to maximize the use of the plaza and still meet the retention requirements.

Wood/Patel Team Members

Darrel Wood
Jim Campbell
Tom Gettings
Darin Moore



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

6. ADDITIONAL INFORMATION

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

Wood, Patel & Associates, Inc. (Wood/Patel) is proud to be a locally-owned and operated firm serving Arizona communities since 1984. All 3 offices (Phoenix, Mesa and Tucson) share the same passion for value-added services. This is reflected in our trademark **Mission: Client Service™** philosophy embraced by each employee. We take ownership of projects and adapt our methods specifically to our clients' needs. In 28 years of serving clients around the Valley, we proudly earned a reputation for finding creative, cost-effective solutions for our clients' technical challenges.

Wood/Patel provides professional services for both public and private sector clients, with expertise in:

- Infrastructure projects in urban and rural settings
- Transportation improvements
- Traffic studies
- Water resources/drainage emphasis on challenging flood control projects
- Construction management/constructability/plan review inspection
- Survey including GPS & Cadastral Surveying; ALTA/Topographic/Boundary Surveys; Platting; Parcel Descriptions & Exhibits; and Construction Staking

Wood/Patel was selected for an unprecedented 11th year in a row as Arizona's #1 civil engineering firm, as ranked by client satisfaction (*Ranking Arizona: The Best of Arizona Business 2004-2014*).

Wood/Patel employs quality individuals with positive attitudes who believe in teamwork. This approach results in a work atmosphere that is productive and delivers a superior product. We maintain our integrity in all we do and continually adhere to the Engineering Code of Ethics. We strive to provide the highest level of client service by being innovative and working as a team for the benefit of our Clients' vision. At Wood/Patel, we understand the importance of keeping our clients informed of project status and any issues that may impact their work and/or community. We act as an extension of their organization by effectively coordinating with agencies specific to each project, with the goal of providing value-added services that benefit the community for today and the future.

Wood/Patel's dynamic staff exceeds the needs of our clients by providing quality, cost-effective solutions to challenging technical issues. Our team is committed to high-performance, both technically and administratively, to support our Clients' goals. We bring value to our Clients through our wealth of experience, professionalism, and outstanding service.



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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:	55%
b. Percentage of Total Work Attributable to Non-Government Work:	45%

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

Signature: 

Date: December 19, 2014

Name: Darrel E. Wood, P.E., R.L.S.

Title: Principal