(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:	AZTEC Engineering Group, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	4561 E. McDowell Road
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	AZ
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85008

f. YEAR ESTABLISHED:	1992

(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	N/A

h. POINT OF CONTACT NAME AND TITLE:	Curt Slagell, PE
i. POINT OF CONTACT TELEPHONE NUMBER:	(602) 659-9301
j. POINT OF CONTACT E-MAIL ADDRESS:	cslagell@aztec.us

k. NAME OF FIRM *(If block 1a is a branch office)*:	N/A

2. EMPLOYEES BY DISCIPLINE

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Archaeologist	P	3	
Biologist	P	5	
CADD Technician	P	7	
Civil Engineer	P	46	
Construction Manager	P	1	
Construction Inspector	P	1	
Cost Engineer / Estimator	P	1	
Environmental Scientist	P	12	
Geodetic Surveyor	P	6	
Geographic Information System Specialist	P	5	
Hydraulic Engineer	P	1	
Hydrologist	P	1	
Landscape Architect	P	3	
Project Manager	P	18	
Structural Engineer	P	7	
Technician / Analyst	P	25	
Transportation Engineer	P	13	
Water Resources	P	5	
Other	P	26	
Total		128*	

**Staff members may fall into two or more Discipline Titles. The Total number shown is the amount of employees in the entire firm.*

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	Acoustics, Noise Abatement	2
2	Air Pollution Control	1
10	Bridge Design: Bridges	4
2	Construction Management	3
2	Construction Surveying	1
3	Design-Build – Preparation of Request for Proposals	4
3	Ecological and Archeological Investigations	4
5	Environmental Impact Studies, Assessments or Statements	5
15	Geodetic Surveying: Ground and Airborne	4
15	Highways; Streets; Airfield Paving; Parking Lots	7
2	Historical Preservation	1
5	Irrigation; Drainage	4
15	Land Surveying	4
8	Landscape Architecture	4
5	Phase I Environmental	1
2	Rivers; Canals; Waterways; Flood Control	1
4	Solar Energy Utilization	3
5	Surveying; Platting; Mapping; Flood Plain Studies	3
2	Storm Water handling and Facilities	2
15	Specifications Writing	4
10	Traffic and Transportation Engineering	4
15	Topographic Surveying and Mapping	4
10	Traffic Studies	3
40	Transportation	7
10	Water Resources; Hydrology; Ground Water	4

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

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		2. TOTAL	2. WITH CURRENT FIRM
Curt Slagell, PE	Civil Engineer, Transportation Engineer, Senior Project Manager	45	16

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*	2. PROFESSIONAL TRAINING – REGISTRATIONS
BS, Civil Engineering	Professional Engineer, Arizona #21868 Professional Engineer, California #46218 Professional Engineer, Colorado #13920 Professional Engineer, Kansas #6746 Professional Engineer, Nevada #021408 Professional Structural Engineer, Utah #330672-2203 Professional Engineer, Wyoming #3418

2. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Arizona Consulting Engineers Association
American Concrete Institute
American Society of Highway Engineers
Precast/Prestressed Concrete Institute

H. RELEVANT PROJECTS

1.

(1) TITLE AND LOCATION *(City and State)*
I-10/SR303L System Interchange; Goodyear, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
On-Going	On-Going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

Mr. Slagell was the Project Manager for this $130 Million project that provided the groundwork for what will become the State's largest and most unique system interchange: Five levels of fully-directional ramps connecting I-10 to the SR303L and an embedded frontage road network to serve the arterial system that surrounds it. Additional items included: three miles of I-10 widening and realignment; two miles of new SR303L freeway mainline; six miles of freeway frontage roads; one mile of arterial street; three half diamond Tis; 12 new bridges; modification of an existing bridge; retaining and noise walls; architectural treatments; arterial crossroad improvements; on/off-site drainage system design/modification; traffic signals; lighting; FMS components for vehicle detection, ramp metering, CCTV and DMS systems; major utility relocations; and extensive construction sequencing and maintenance of traffic. Final design was completed in 2010, but post-design services and construction are ongoing.

2.

(1) TITLE AND LOCATION *(City and State)*
SR303L, Happy Valley to Lake Pleasant Parkway; Peoria, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2007	2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

Mr. Slagell served as the Project Manager for the final design of this challenging and unique seven-mile freeway design project. As a cornerstone in ADOT's growing freeway system, this project included: 15 bridges, miles of drainage improvements, deep cuts and tall fills, corridor earthwork balancing and precedent-setting landscaping mitigation. Additional design elements included on and off-site drainage, traffic engineering, utility relocations, and developing construction sequencing plans. AZTEC evaluated the concepts shown in the DCR and developed several alternatives for improving the design and reducing costs. The project was able to achieve a balance between environmental stewardship, complex agency rights of way acquisition, and a fast-tracked schedule to produce comprehensive construction documents in 14 months.

3.

(1) TITLE AND LOCATION *(City and State)*
On-Call Professional Engineering and Design Services; Maricopa County, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2010	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

Mr. Slagell was the Project Principal for the tasks assigned to AZTEC under the MCDOT Annual Services Contract for 2009-2010. The projects under this contract have included the Scoping Reports for El Mirage Road, Bell Road to Picerne, and El Mirage Road, Northern Avenue to Cactus. Other on-call projects assigned to AZTEC include Deer Valley Road 117th Avenue to 109th Avenue, Miller Road Bridge at Buckeye Canal and Queen Creek Road Bridge at Ocotillo Road.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Tony Bokich, PE	Hydraulic Engineer, Hydrologist, Water Resources Engineer	28	10

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*	f. PROFESSIONAL TRAINING - REGISTRATIONS
BS, Civil Engineering	Professional Engineer, Arizona #24971 Professional Engineer, Colorado #46815 Professional Engineer, Florida #69282 Professional Engineer, Indiana #11300656 Professional Engineer, Nevada #014291 Professional Engineer, Texas #100747 Certified Floodplain Manager, ASFPM #26352

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Arizona Floodplain Managers Association (AZFMA)

H. RELEVANT PROJECTS

1.

(1) TITLE AND LOCATION *(City and State)*
Loop 303 Outfall Channel; Goodyear, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2012	2014

X Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Mr. Bokich served as AZTEC's Project Manager for this final design of over one mile of a flood control channel from Van Buren Street to Yuma Road. The channel is concrete lined, with maintenance roads and ramps, landscaping and access control. It is part of the Flood Control District of Maricopa County project from Van Buren Street to Gila River. Our role was hydraulic design, final plans, specifications and cost estimate. The expected construction completion is March 2014.

2.

(1) TITLE AND LOCATION *(City and State)*
I-10/SR303L System Interchange; Goodyear, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
On-Going	On-Going

X Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
The I-10/SR303L TI Phase 1 project is the first phase of construction of the I-10/SR303L System Interchange. The ultimate System Interchange is a five-level directional interchange. Mr. Bokich served as Drainage Design Team Leader for final design, and he supervised and coordinated the design team effort. Final design was completed in 2010, but post-design services and construction are ongoing.

3.

(1) TITLE AND LOCATION *(City and State)*
SR303L, Happy Valley to Lake Pleasant Parkway; Peoria, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2007	2012

X Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Mr. Bokich served as the Drainage Team Supervisor for the final design of this challenging and unique seven-mile freeway design project. This project included 15 bridges, three waterway bridges, and seven miles of drainage improvements. Additional design elements included on and off-site drainage and Conditional and Final Letters of Map Revision for FEMA. AZTEC evaluated concepts shown in the DCR and developed several alternatives for improving design and reducing costs. The project was able to achieve a balance between environmental stewardship, complex agency rights of way acquisition, and a fast-tracked schedule to produce comprehensive construction documents in 14 months.

4.

(1) TITLE AND LOCATION *(City and State)*
On-Call Statewide Roadway Engineering Group Services (Navajo Route 20 (US89T) MP 0.00 to MP 43.56); Coconino County, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2012	2012

X Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Mr. Bokich was Drainage Team Supervisor for the final drainage design of approximately 43 miles of Navajo Route 20 that serves as an interim US89 detour due to indefinite closure of a 23-mile stretch of US89 southwest of Page. Mr. Bokich lead the drainage design team, including one sub-consultant firm in the final design of channels, basins and culverts on this fast tracked interagency project.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Jeff Callicott, PE	Cost Engineer/Estimator, Technician/Analyst	16	8

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*	f. PROFESSIONAL TRAINING - REGISTRATIONS
BS, Civil Engineering	Professional Engineer, Arizona #37270 Professional Engineer, Indiana #11400561

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
N/A

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	On-Call Statewide Roadway Engineering Group Services (Navajo Route 20 (US89T) MP 0.00 to MP 43.56); Coconino County, AZ	2012	2012
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Mr. Callicott was the Project Engineer/Roadway Lead for this final design to pave and/or upgrade approximately 43 miles of Navajo Route 20 that serves as an interim US89 detour due to indefinite closure of a 23-mile stretch of US89 southwest of Page.	X Check if project performed with current firm	
2.	(1) TITLE AND LOCATION *(City and State)* Chino Road Extension; Douglas, AZ	(2) YEAR COMPLETED Professional Services 2013	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Mr. Callicott was the Project Engineer/Roadway Lead/Cost Estimator for Local roadway work for the City of Douglas, Arizona, administered by ADOT. The project includes roadway extension, widening, two drainage structures, and modification to an existing drainage crossing.	X Check if project performed with current firm	
3.	(1) TITLE AND LOCATION *(City and State)* Black Mountain Boulevard SR51/SR101L TI to Cave Creek Road; Phoenix, AZ	(2) YEAR COMPLETED Professional Services On-Going	Construction (if applicable) On-Going
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Mr. Callicott was the Project Engineer/Roadway Lead/Cost Estimator Ramps and Roadway to connect Black Mountain Boulevard with SR51 at SR101L. Part of the project is work for the City of Phoenix, Arizona, administered by ADOT. The project includes a roundabout, a pedestrian bridge, and three freeway bridges.	X Check if project performed with current firm	

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
John Gleason, PE	Structural Engineer	23	2

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*	f. PROFESSIONAL TRAINING - REGISTRATIONS
BS, Civil Engineering ME, Structural Engineering	Professional Engineer, Arizona #32113 Professional Engineer, Colorado #39884 Professional Engineer, Indiana #11300590 Professional Engineer, Nevada #020618 Professional Engineer, Texas #115021 Professional Engineer, Utah #7477261-2202

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
American Society of Civil Engineers
FHWA-NHI 130055 Safety Inspection of In-Service Bridges

H. RELEVANT PROJECTS

1.

(1) TITLE AND LOCATION *(City and State)*
I-10/SR303L System TI; Goodyear, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
On-Going	On-Going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

Mr. Gleason was the Senior Bridge Engineer for this $130 Million project that provided the groundwork for what will become the State's largest and most unique system interchange: Five levels of fully-directional ramps connecting I-10 to the SR303L and an embedded frontage road network to serve the arterial system that surrounds it. Additional items included: three miles of I-10 widening and realignment; two miles of new SR303L freeway mainline; six miles of freeway frontage roads; one mile of arterial street; three half diamond TIs; 12 new bridges; modification of an existing bridge; retaining and noise walls; architectural treatments; arterial crossroad improvements; on/off-site drainage system design/modification; traffic signals; lighting; FMS components for vehicle detection, ramp metering, CCTV and DMS systems; major utility relocations; and extensive construction sequencing and maintenance of traffic. He performed structure calculation checks and quality reviews of bridge drawings for the Ramp NW flyover. Final design was completed in 2010, but post-design services and construction are ongoing.

2.

(1) TITLE AND LOCATION *(City and State)*
Apache Wash Trail Head; Phoenix, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2013	2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

Mr. Gleason was the lead structure designer for this $2.5 million trail head facility on the Sonoran Trail that included a unique ramada, a roof canopy for a proprietary waterless rest room and a maintenance building. Mr. Gleason also performed shop drawing reviews and special inspections during construction of the project.

3.

(1) TITLE AND LOCATION *(City and State)*
Chevelon Creek Bridge Rehabilitation; Winslow, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2013	2013

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

Mr. Gleason was responsible for the final design of rehabilitations to the Chevelon Creek Bridge, a single span riveted steel pony truss built in 1913. It is listed on the National Register of Historic Places. The work includes increasing allowable live load capacity from 10 tons, as currently posted, to 20 tons by replacement of the deck and floor system; and improving the safety features of the bridge while preserving the historic character of the structure. The work included a load rating of the existing bridge. Mr. Gleason also performed shop drawing reviews and responded to contractor Requests for Information.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Justin Hoppmann	Geographic Information System Specialist, Environmental Scientist	14	12

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*	f. PROFESSIONAL TRAINING - REGISTRATIONS
BS, Forest Resources and Conservation MS, Environmental Planning	N/A

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Designing Wildlife Corridors with ArcGIS
40-Hour HazWOpER Training Course (29 CFR 1910.120)
Federal Mine Safety & Health Act of 1977 New Miner Training - 24 hours
AHERA Certified Building Inspector (#F7267)

H. RELEVANT PROJECTS

1.

(1) TITLE AND LOCATION *(City and State)*
Avenida Rio Salado / Broadway Road; Phoenix, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
On-Going	On-Going

X Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Mr. Hoppman was the Lead author for an Environmental Assessment and NEPA documentation. The project includes the development and evaluation of corridors and subsequent specific alternatives to provide an improved traffic capacity on sections of Broadway Road, a major thoroughfare. Detailed socioeconomic surveys were developed and conducted for this project to identify protected minority and low-income populations both living and working in the project vicinity. This information was used in the development of alternatives and mitigation measure that minimized impacts to these populations. Additionally, extensive historic property investigations, cultural resource evaluations, biological resource evaluation and water quality analyses and permitting (including Section 404 permitting, wetland delineations and floodplain permitting) were conducted.

2.

(1) TITLE AND LOCATION *(City and State)*
Wild Rose Parkway Feasibility Study; Surprise, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2013	

X Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Mr. Hoppmann compiled an Environmental Overview (EO) which was used to assist in the development and evaluation of alignment alternatives for a new roadway. This process led to the selection of a proposed corridor alignment that minimized impacts to resources. The EO described the socioeconomic, physical, and natural environment of the study area to provide a baseline overview of environmental issues. Issues discussed in the EO included land use, zoning, demographic composition, biological resources, water resources, air and noise, hazardous materials, and cultural resources.

3.

(1) TITLE AND LOCATION *(City and State)*
H2O Water Inc.; Queen Creek, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2013	

X Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Mr. Hoppmann completed a Phase I environmental site assessment for 8 parcels. The EA was prepared for the Town of Queen Creek, and completed in accordance with the standards described in 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries and ASTM Standard 1527-05, Standard Practice for environmental site assessments: Phase I environmental site assessment process.

4.

(1) TITLE AND LOCATION *(City and State)*
SR 77, Tangerine Rd to Pinal County; Oro Valley, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2013	On-Going

X Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Mr. Hoppmann completed a non-programmatic Categorical Exclusion for a roadway widening project north of Oro Valley, AZ. Associated technical studies included qualitative and quantitative air quality analyses, evaluation of prehistoric and historic cultural resources, sampling for asbestos and lead-based paint, evaluation of two biological species, and assessment of impacts to Section 4(f) and Section 6(f) resources. Also assisted in the design of two wildlife crossings for this project, one underpass and a 150-foot wide overpass.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Peggy Kmak	Construction Manager	14	1

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*	f. PROFESSIONAL TRAINING - REGISTRATIONS
AA, Mechanical Drafting	Concrete Field Testing Technician #00101826

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Certificate of Construction Management (Phoenix College)
Arizona ATSSA Traffic Control Supervisor
AutoCAD 2007
ADOT LCP Tracker
ADOT SATS
ADOT Force Accounting
ADOT Pen-Based Systems
ADOT Supplemental Agreements

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	West Chandler/Santan Freeway Wastewater Force Main Design; Chandler, AZ	2012	2014
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Ms. Kmak was the Construction Manager for this this project to reroute the City of Chandler's wastewater outfall from the Lone Butte Wastewater Reclamation Facility to the Ocotillo Wastewater Reclamation Facility. The project will require upgrading the City's existing 10 million gallons per day sewer pump station in order to pump wastewater to the new outfall location. Conveyance of the wastewater will be via a new 28-inch force main that will be aligned along the south side of the 202L between Kyrene Road and Price Road within the Arizona Department of Transportation right-of-way. The force main will outfall into an existing 66-inch sanitary sewer which will require a new access controlled site with power service, odor control, flow monitoring, and SCADA and telemetry equipment. Peggy's responsibilities as Construction Manager include supervising a construction inspector; participating in progress meetings with general contractor and owner; performing daily project observations and contract administration; reviewing traffic control set-ups per the approved plan and preparing reports; managing the shop drawing review process; reviewing testing results and payment applications; processing changes and claims, including negotiations, settlements and documentation; and resolving contractor questions, providing drawing clarification and utility coordination.	X Check if project performed with current firm	
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
2.	SR101L HOV, I-10 to Tatum Boulevard Design-Build; AZ		
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Ms. Kmak was the Document Control/ Construction Administrator. This design-build project included the construction of 30 miles of HOV lanes and included bridge widenings, an asphalt rubber overlay, and the addition of general purpose lanes, noise/retaining walls, storm drainage, lighting and improvements to several crossroad intersections. Ms. Kmak initially worked with the project review team as the Document Control personnel for ADOT and eventually with the ADOT Construction Field office as an Office Administrator.	Check if project performed with current firm	
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
3.	67th Avenue Improvements from Olive Avenue to AC/DC Canal; Glendale, AZ		
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE As Construction Manager, Ms. Kmak Supervised three construction observers during the reconstruction of 3.5 miles of roadway and storm drain improvements. This CMAR project was a joint effort between the Cities of Glendale and Peoria. Overall scope included roadway improvements; 24" to 60" storm drain pipe installation; addition of dedicated right- and left-turn lanes; traffic signal upgrades (poles, foundations, boxes); infrastructure for fiber optic conduit (to be installed at a later date); an ITS traffic signal interconnect; under-grounding of overhead power lines; new curb, gutter, and sidewalk, landscaping, street lighting and SWPPP inspection and certification. Ms. Kmak performed daily observations and prepared reports. She coordinated progress meetings with general contractor and owner. Managed shop drawing review process and assisted the Resident Engineer with Contract Administration. Verified construction quantities, reviewed testing results and payment applications. Processed payment applications, changes and claims, including negotiations, settlements and documentation. Resolved contractor questions and performed drawing clarification to include responding to RFI (Request for Information) and ITC (Information to Contractor). Provided utility coordination.	Check if project performed with current firm	

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Steve Lohide, RLA, LEED AP, CLARB	Landscape Architect	31	3

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*	f. PROFESSIONAL TRAINING - REGISTRATIONS
BS, Landscape Architecture	Landscape Architect, Arizona #27437 Landscape Architect, Indiana #21300022 Landscape Architect, Montana #210 Landscape Architect, New Mexico #374 Landscape Architect, Texas #2787 Landscape Architect, Utah #5815941-5301 Landscape Architect, Virginia #001660 CLARB #17900 LEED AP #88015

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
American Society of Landscape Architects

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	El Mirage Recreational Facility – El Mirage, AZ	2013	2014
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Mr. Lohide was the Project Manager/Landscape Architect for a 32,000 square foot YMCA recreational facility located in El Mirage. The landscape design incorporated native plant material that provided rich textures and colors at the facilities entries. The use of native material also reduced that amount of water needed to sustain the plant material and reduced maintenance costs of the landscape.	X Check if project performed with current firm	
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
2.	Western Canal Trail - Gilbert, AZ	2013	On-Going
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Mr. Lohide was the Project Landscape Architect for this 1.5 mile segment of multi-use path from the Union Pacific Railroad to Cooper Road passing through McQueen Park. This project explored various path alignments, configurations, surface treatments, pedestrian amenities, signage, and lighting. The final construction documents will include a 10' wide concrete path, signage, lighting, and pedestrian amenities which included picnic tables, ramada structures, and bike racks.	Check if project performed with current firm	
	(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
3.	Avenida Rio Salado / Broadway Road – Phoenix, AZ	On-Going	On-Going
	(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Mr. Lohide was the Project Landscape Architect responsible for the landscape and irrigation design and artist coordination for this four-mile segment of road located on the south side of Phoenix. This project stretched through a mix of land uses ranging from a gravel pit and salvage yards to residential and commercial developments. The landscape design needed to pull this mix of land uses together as one community. This was accomplished through the selection of a major street tree along with a secondary tree and core group of shrub and accent material. It was also supported with the inclusion of art elements at key locations throughout the project. Maintenance and water use was also a concern in the selection of plant material for the project. Several meetings were held with City staff to review and discuss the various plant options for the project.	Check if project performed with current firm	

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Deil Lundin, RPA	Archaeologist	22	2

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*
BA, Anthropology
MA, Anthropology, Concentration on Physical Anthropology

f. PROFESSIONAL TRAINING - REGISTRATIONS
Registered Professional Archeologist

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Society for American Archaeology
Arizona Archaeological Council
American Association of Physical Anthropologists
NEPA Compliance and Cultural Resources (NPI)
Section 106: Agreement Documents (NPI)
Traditional Cultural Properties Workshop (BLM)
NAGPRA Basics Training (NPS)
Section 106 (FHWA)
Section 106 (SWCA), ARPA (BLM)

H. RELEVANT PROJECTS

1.

(1) TITLE AND LOCATION *(City and State)*
SR86, Sells to Fresnal; Sells, AZ

(2) YEAR COMPLETED
Professional Services: On-Going
Construction (if applicable):

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm
As the Principal investigator, Ms. Lundin prepared budget and scope of work (completed), draft consultation letters (in progress), develop treatment plan (completed), implement treatment plan (not completed), obtain federal, tribal, and state permits (in progress), coordinate and conduct fieldwork (not completed), supervise field crew (not completed), manage subcontractors and vendors (in progress), and prepare report of findings (not completed) for a federally funded road construction project on the Tohono O'odham Nation. The subject site, a historic property eligible for listing in the National Register under Criterion D, is a multi-component (prehistoric and protohistoric) artifact scatter measuring approximately one mile in length located in the Eastern Papaguería along a segment of Sells Wash. A total of 1,400m of linear trenching will be undertaken. Budget is $262,784.

2.

(1) TITLE AND LOCATION *(City and State)*
I-19, Ajo Way TI; Tucson, AZ

(2) YEAR COMPLETED
Professional Services: On-Going
Construction (if applicable):

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm
As Principal investigator, Ms. Lundin assisted ADOT/FHWA with geotechnical and overall project clearance (in progress), prepare budget and scope of work (completed), draft consultation letters (in progress), develop treatment plan (completed) implement treatment plan (not completed), obtain state permits (not completed), coordinate and conduct fieldwork (not completed), supervise field crew (not completed), manage subcontractors and vendors (in progress), and prepare report of findings (not completed). In compliance with Section 106, develop and implement a treatment plan, as stipulated in the memorandum of agreement, to mitigate adverse effects to four historic properties that cannot be avoided by an ADOT/FHWA-sponsored traffic interchange project along I-19. The area of potential effects overlaps portions of three prehistoric sites and a historic irrigation feature. The sites are in the southern Tucson Basin roughly ¼ to ½ mile east of the Santa Cruz River. Mitigation will include a combination of archaeological monitoring, phased data recovery, and archival research. Phase I investigations will involve 500m of linear trenching. Budget is $416,058.

3.

(1) TITLE AND LOCATION *(City and State)*
Payson Ranger District Administrative Site Sale and Facilities; Tonto National Forest, AZ

(2) YEAR COMPLETED
Professional Services: On-Going
Construction (if applicable):

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
[X] Check if project performed with current firm
As Principal investigator, Ms. Lundin prepared budget and scope of work (completed), coordinate with TNF archaeologists (in progress), assist with tribal consultation (in progress), develop treatment plan (completed), implement treatment plan for work on federal land (not completed), obtain federal permit (in progress), coordinate and conduct fieldwork (not completed), supervise field crew (not completed), manage subcontractors and vendors (in progress), and prepare report of findings (not completed In support of an environmental assessment for sale of a 250-acre parcel administered by Tonto National Forest, undertake phased data recovery excavations at ten sites determined eligible for listing in the National Register or for which eligibility testing is required. The sites represent occupation and/or use of the area by the Central Arizona and Apache cultural traditions. Five of the sites exhibit surface architecture; Budget is $269,104.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Dan Moeller	Construction Inspector	32	3

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*	f. PROFESSIONAL TRAINING - REGISTRATIONS
AA, Civil Engineering	Engineer-in-Training, Arizona #5877

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Arizona Consulting Engineers Association
American Concrete Institute
American Society of Highway Engineers
Precast/Prestressed Concrete Institute

H. RELEVANT PROJECTS

1.

(1) TITLE AND LOCATION *(City and State)*
SR 303L, Happy Valley Parkway to Lake Pleasant Parkway; Peoria, AZ (ADOT)

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
On-Going	On-Going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

Mr. Moeller served as the Construction Manager for the final design of this challenging and unique seven-mile freeway design project. As a cornerstone in ADOT's growing freeway system, this project included: 15 bridges, miles of drainage improvements, deep cuts and tall fills, corridor earthwork balancing and precedent-setting landscaping mitigation. Additional design elements included on and off-site drainage, traffic engineering, utility relocations, and developing construction sequencing plans. Construction began in January 2009. AZTEC evaluated the concepts shown in the DCR and developed several alternatives for improving the design and reducing costs. The project was able to achieve a balance between environmental stewardship, complex agency rights of way acquisition, and a fast-tracked schedule to produce comprehensive construction documents in 14 months.

2.

(1) TITLE AND LOCATION *(City and State)*
Mount Signal Solar PV Plant; Imperial County, CA

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2013	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

Mr. Moeller was the Construction Inspector for the construction of a 200 MW solar energy facility consisting of 3.1 M PV solar panels, operations maintenance/storage building, control buildings, inverter stations, elevated water storage tanks, electrical substation, and 4.5 mile 230 kV overhead transmission gen-tie line. The solar facility is constructed on 1,945 acres at a cost of $757,000,000. Mr. Moeller's duties included coordinating project meetings, schedules, budget, action items, tracking logs, documentation, correspondence, reporting and logistics. Interface with and maintain effective working relationship with all members of management team, contractors, suppliers and other third parties.

3.

(1) TITLE AND LOCATION *(City and State)*
SR79, Gila River Bridge Deck Rehabilitation; Florence, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2009	2010

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

The Gila River Bridge, built in 1957, is a 30-span structure comprised of four steel girders with a concrete deck. Mr. Moeller served as the Lead Construction Manager by preparing complete construction documents, including quantities, cost estimates and special provisions, for this deck rehabilitation project. Rehabilitation included spot repairs to deteriorated sections of the deck and application of an epoxy overlay. The rehabilitation was constructed using phased lane closures and temporary signal traffic control.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Mike Myers	Biologist	18	11

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*	f. PROFESSIONAL TRAINING - REGISTRATIONS
BS, Wildlife Conservation Biology	N/A

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

Permitted by the US Fish and Wildlife Service to conduct presence/absence surveys for the black-footed ferret, cactus ferruginous pygmy-owl, Chiricahua leopard frog, Mexican spotted owl, Southwestern willow flycatcher, and Yuma clapper rail (Permit TE064431-0).

Completed various species-specific survey training workshops for species such as Chiricahua leopard frog, Yellow-billed Cuckoo, desert tortoise, Western burrowing owl, flat-tailed horned lizard, and bats in general.

Rapid Stream Riparian Assessment Protocol Training Workshop conducted by the Arizona Riparian Council and Wild Utah near Camp Verde, Arizona (April 2009).

Wetland Delineator Training, Wetland Training Institute, Sacramento, California (April 2006).

H. RELEVANT PROJECTS

1.

(1) TITLE AND LOCATION *(City and State)*
ADOT Environmental On-Call Services; Statewide, AZ

(2) YEAR COMPLETED
Professional Services: On-Going
Construction (if applicable):

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
X Check if project performed with current firm

Mr. Myers is lead biologist for three consecutive on-call contracts since 2003 (still on-going) that resulted in approximately 25 task orders per year. Duties include completing habitat assessments and species-specific protocol surveys, preparing survey reports and Biological Assessments/Evaluations, agency coordination, and assisting ADOT/FHWA during Endangered Species Act Section 7 consultation for various statewide transportation construction and maintenance projects.

2.

(1) TITLE AND LOCATION *(City and State)*
On-Call Statewide Roadway Engineering Group Services (Navajo Route 20 (US89T) MP 0.00 to MP 43.56); Coconino County, AZ

(2) YEAR COMPLETED
Professional Services: 2012
Construction (if applicable): 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
X Check if project performed with current firm

Mr. Myers was the lead consultant biologist responsible for rapidly completing the biological clearance process. He lead and participated in field surveys, authored much of the biological evaluation, coordinated with the Navajo Nation and US Fish and Wildlife Service, developed and implemented environmental awareness training for the construction contractor, and managed the environmental construction monitoring crews. AZTEC was responsible for completing the necessary environmental clearances to pave and/or upgrade approximately 43 miles of Navajo Route 20 to serve as an interim US89 detour due to indefinite closure of a 23-mile stretch of US89 southwest of Page.

3.

(1) TITLE AND LOCATION *(City and State)*
ADOT BLM Herbicide Use Environmental Assessment; Statewide, AZ

(2) YEAR COMPLETED
Professional Services: 2013
Construction (if applicable):

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
X Check if project performed with current firm

Mr. Myers was lead biologist for a NEPA Environmental Assessment of ADOT herbicide use to control invasive plant species on roadway easements through BLM-managed lands. Coordinated with ADOT and BLM, identified ADOT roadways occurring on BLM lands using GIS, and oversaw preparation of the Biological Evaluation that addressed all threatened, endangered, proposed, candidate, and BLM sensitive species statewide.

4.

(1) TITLE AND LOCATION *(City and State)*
Tonto National Forest Payson Ranger District Administrative Site Sale and Facilities Environmental Assessment; Payson, AZ

(2) YEAR COMPLETED
Professional Services: 2013
Construction (if applicable):

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
X Check if project performed with current firm

As a third-party NEPA contractor for the Rim County Education Alliance Special Legal Entity, AZTEC assisted the Tonto National Forest Payson Ranger District in the preparation of an EA and associated technical reports for the direct sale of 253 acres of the Payson Ranger District office and grounds, construction of new administrative facilities on the remaining 43 acres of the parcel, and the construction of a fire management and helicopter base on 31 acres of USFS lands. Mr. Myers was AZTEC's lead biologist that oversaw field surveys, as well as preparation of a biological evaluation and technical sections of the EA. He also coordinated with the Tonto National Forest and participated in GIS data collection and analysis for the project.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Robert Rappleyea	CADD Technician	14	6

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*	f. PROFESSIONAL TRAINING - REGISTRATIONS
AS, Drafting and CADD Technology	N/A

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
N/A

H. RELEVANT PROJECTS

1.

(1) TITLE AND LOCATION *(City and State)*
Kyrene Road Extension; Chandler, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2013	On-Going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

This project involved the design of approximately ¼ mile of roadway along the Kyrene Road alignment from Allison Road to the Willis Road Alignment. Services include: topographical survey, utility locating (SUE), utility mapping, geotechnical, roadway design, drainage design, traffic signing and marking design, traffic signal design, future utility crossing design, sewer line design and post design services. The total cost was approximately $1 million. Mr. Rappleyea is responsible for both the plan production as well as the design of the roadway and sewer line.

2.

(1) TITLE AND LOCATION *(City and State)*
West Chandler/Santan Freeway Wastewater Force Main Design; Chandler, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2012	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

The goal of this project was to reroute the City of Chandler's wastewater outfall from the Lone Butte Wastewater Reclamation Facility to the Ocotillo Wastewater Reclamation Facility. The project required upgrading the City's existing 10 million gallons per day sewer pump station in order to pump wastewater to the new outfall location. Conveyance of the wastewater will be via a new 28-inch force main that will be aligned along the south side of the 202L between Kyrene Road and Price Road within the Arizona Department of Transportation right-of-way. The force main will outfall into an existing 66-inch sanitary sewer which will require a new access controlled site with power service, odor control, flow monitoring, and SCADA and telemetry equipment. Mr. Rappleyea was responsible for the plan production.

3.

(1) TITLE AND LOCATION *(City and State)*
Annual Engineering/Consulting Services Contract (2004-2014); Phoenix, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
On-Going	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

Mr. Rappleyea is the Lead CAD Designer for the right-of-way and design services for the I-17 to North Valley Parkway section of Sonoran Desert Drive. Responsibilities included estimating and documenting the full right-of-way acquisition area required from State Land. Design evaluation included roadway modeling, hydraulic evaluation of Skunk Creek and maintenance access requirements. In addition, full legal descriptions and exhibits for the affected State Land Parcels were prepared. Mr. Rappleyea is providing CAD support for the second task assigned under this contract which includes providing services to complete the 64th Street connection from SR 101L to Mayo Boulevard. Responsibilities for this task include development of an interim embankment stockpile plan and updating the previously shelved 100% design plans based on the interim condition and current geotechnical investigations.

4.

(1) TITLE AND LOCATION *(City and State)*
Avenida Rio Salado / Broadway Road – Phoenix, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
On-Going	On-Going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

X Check if project performed with current firm

Mr. Rappleyea was responsible for CADD Design associated with this City of Phoenix project. AZTEC is the prime consultant responsible for the preparation of the Enhanced Project Assessment and Environmental Documentation for the Avenida Rio Salado/Broadway Road project located in Phoenix. The project included the development and evaluation of corridors and subsequent specific alternatives to provide a new high capacity major arterial that was located south of the Salt River and extended from the proposed future SR 202L/SR 801 interchange to 7th Street.

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

a. NAME	b. ROLE IN THIS CONTRACT	c. YEARS EXPERIENCE	
		1. TOTAL	2. WITH CURRENT FIRM
Al Reece, RLS	Geodetic Surveyor	41	16

d. LOCATION *(City and State)*
Phoenix, Arizona

e. EDUCATION *(DEGREE AND SPECIALIZATION)*	f. PROFESSIONAL TRAINING - REGISTRATIONS
None	Registered Land Surveyor, Arizona #25396 Professional Land Surveyor, Nevada #14635 Registered Land Surveyor, Texas #5218

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Arizona Professional Land Surveyors

H. RELEVANT PROJECTS

1.

(1) TITLE AND LOCATION *(City and State)*
SR202L HOV Lanes Design Build, SR101L Broadway Road; Mesa, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
On-Going	On-Going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
X Check if project performed with current firm

Mr. Reece is the Survey Manager for this fast-track design of this $110M project that will add over 20-miles of HOV/GPL lanes on this section of the SR202L. Project features include bridge widening, retaining walls, and drainage improvements, maintenance of traffic, signing, lighting, landscaping, noise walls, mainline lighting, FMS, utility relocations, and survey.

2.

(1) TITLE AND LOCATION *(City and State)*
I-10/SR303L System Interchange; Goodyear, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
On-Going	On-Going

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
X Check if project performed with current firm

Mr. Reece was the Survey Manager for this $130 Million project that provided the groundwork for what will become the State's largest and most unique system interchange: Five levels of fully-directional ramps connecting I-10 to the SR303L and an embedded frontage road network to serve the arterial system that surrounds it. Additional items included: three miles of I-10 widening and realignment; two miles of new SR303L freeway mainline; six miles of freeway frontage roads; one mile of arterial street; three half diamond TIs; 12 new bridges; modification of an existing bridge; retaining and noise walls; architectural treatments; arterial crossroad improvements; on/off-site drainage system design/modification; traffic signals; lighting; FMS components for vehicle detection, ramp metering, CCTV and DMS systems; major utility relocations; and extensive construction sequencing and maintenance of traffic. Final design was completed in 2010, but post-design services and construction are ongoing.

3.

(1) TITLE AND LOCATION *(City and State)*
On-Call Statewide Roadway Engineering Group Services (Navajo Route 20 (US89T) MP 0.00 to MP 43.56); Coconino County, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2012	2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
X Check if project performed with current firm

Mr. Reece was the Survey Manager for this final design to pave and/or upgrade approximately 43 miles of Navajo Route 20 that serves as an interim US89 detour due to indefinite closure of a 23-mile stretch of US89 southwest of Page. Survey responsibilities consisted of mobilizing four survey crews to the site to meet the schedule. We provided survey controls, topographic surveying and layout of right of way lines and environmental avoidance areas. AZTEC surveyed the boundary monuments and provided a right of way map and legal description for the final right of way corridor. Mr. Reece served as the Survey Manager for the project.

4.

(1) TITLE AND LOCATION *(City and State)*
El Mirage Recreational Facility; El Mirage, AZ

(2) YEAR COMPLETED

Professional Services	Construction (if applicable)
2013	2014

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
X Check if project performed with current firm

AZTEC prepared site civil, landscape architecture and site survey services for a new recreational facility in El Mirage, Arizona. The design of this 32,000 square foot facility with outdoor swimming pool includes grading/drainage plans, water/sewer plans and landscape/irrigation plans. Mr. Reece served as the Survey Manager.

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

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

a. TITLE AND LOCATION *(City and State)*	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
I-10/SR303L SYSTEM INTERCHANGE (PHASES I & II); GOODYEAR, AZ	On-Going	On-Going

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
Arizona Department of Transportation	$14.2M (Phase I Design) $6.5M (Phase II Design – Estimated)	$134M (Phase I Construction & Design) $76.5M (Phase II Construction & Design – Estimated)

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

Phase I

This $134 Million project, located within the City of Goodyear in Maricopa County, Arizona, provided the groundwork for what will become the State's largest and most unique system interchange. It involved the construction of ramps between I-10 and SR303L, the reconstruction of SR303L between Thomas Road and Van Buren Street, and the widening of I-10. Specifically, AZTEC engineers designed five-levels of fully-directional ramps connecting I-10 to the SR303L and an embedded frontage road network to serve the arterial system that surrounds it. Additional items included: three miles of I-10 widening and realignment; two miles of new SR303L freeway mainline; six miles of freeway frontage roads; one mile of arterial street; three half diamond TIs; 12 new bridges; modification of an existing bridge; retaining and noise walls; architectural treatments; arterial crossroad improvements; on/off-site drainage system design/modification; traffic signals; lighting; FMS components for vehicle detection, ramp metering, CCTV and DMS systems; major utility relocations; and extensive construction sequencing and maintenance of traffic.

In addition to engineering services, AZTEC's environmental staff updated an EA and completed two superseding clearances, performed cultural and biological surveys, prepared a PISA, monitored traffic noise and prepared a noise report, addressed impacts to a Section 4(f) property, prepared a HAER documentation of the Roosevelt Irrigation District Canal, and conducted research on the historic Waddell Ranch and distributed PowerPoint presentations about historic farming in the West Valley to local historical societies.

Phase I is currently under construction. AZTEC is providing post design services during construction of the project.

Phase II

AZTEC was recently selected to provide engineering design services for Phase II of the I-10/SR303L TI. This project will construct two-lane directional ramps ES, NE, WS and NW between ultimate I-10 and SR303L gores and widen I-10 to accommodate single-lane on-ramp auxiliary lane run-outs. South of I-10, the ramps will match ultimate SR303L profile extending to the Van Buren Street Overpass (OP) and have a temporary connection to Cotton Lane south of Van Buren Street. SR303L two-lane one-way frontage roads will be extended from the I-10 Westbound Frontage Road south, connecting with Cotton Lane south of Van Buren Street. Van Buren Street will be reconstructed to accommodate a half diamond TI to the south and the SR303L Van Buren Street OP will be constructed to accommodate the ultimate SR303L roadway section (4+1 plus directional ramp auxiliary lanes). Van Buren Street will be reconstructed within the access control limits of the ultimate freeway.

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

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

a. TITLE AND LOCATION *(City and State)*	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
US93 HOOVER DAM BYPASS; ARIZONA AND NEVADA	2010	2010

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
Federal Highway Administration	$569,000 (Design Fee)	$240B (Construction Cost)

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

In a joint effort by FHWA, NPS, ADOT and NDOT, existing US93 was relocated from its alignment on top of Hoover Dam to a new alignment approximately 1,000 feet downstream from the dam. AZTEC established horizontal control on both sides of the Colorado River with a static GPS network. AZTEC performed precise leveling for vertical control in terrain with 600 feet of vertical relief. Vertical tolerances were especially critical because the contractor was required to achieve vertical accuracies of 0.005 feet for the new Salt River Canyon Bridge. AZTEC set aerial targets for one-foot contour aerial mapping over the four-mile corridor. Supplemental topographic surveys were performed to locate the numerous high-voltage power towers and wire line elevations. The vertical canyon walls were surveyed using 3D laser scanning. AZTEC used a professional rock climber to set the laser scanning control. AZTEC's Utility Locating Group designated all existing utilities and the AZTEC Survey Team surveyed and mapped the utilities. AZTEC surveyed the section corner monuments and prepared the Right of Way plans for both The Arizona and Nevada sides of the Colorado River, along with exhibits and legal descriptions for new utility easements.

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

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

a. TITLE AND LOCATION *(City and State)*	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
EL MIRAGE RECREATIONAL FACILITY; EL MIRAGE, AZ	2013	2014

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
City of El Mirage	$75,000 (Design Fee)	$1.2M (Construction Cost)

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

AZTEC was selected to provide site civil, landscape architecture and site survey services for a new YMCA recreational facility in El Mirage, Arizona. The design of this 32,000 square foot facility with outdoor swimming pool includes grading/drainage plans, water/sewer plans and landscape/irrigation plans. The project was designed to allow for future expansion on the site and to connect and blend with the adjacent City park.

a. TITLE AND LOCATION *(City and State)*	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
ON-CALL STATEWIDE ROADWAY ENGINEERING GROUP SERVICES (NAVAJO ROUTE 20 (US89T) MP 0.00 TO MP 43.56); COCONINO COUNTY, AZ	2012	2012

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
Arizona Department of Transportation	$988,000 (Design Fee)	$35M (Construction Cost)

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

AZTEC served as the prime consultant selected by the Arizona Department of Transportation (ADOT) to provide emergency and extremely fast-track final engineering design and environmental compliance documents for the Interim Detour of US89 after it suffered a catastrophic landslide that closed the route on February 20, 2013. The total cost of construction was estimated at nearly $40 million and was delivered by a Construction Manager at Risk.

The purpose of the project was to restore essential traffic and mobility to the area by providing a more direct, temporary detour around the landslide. Once constructed, the new interim detour would shorten the existing detour by more than 50 miles. The detour will function for 2-3 years while a permanent repair is determined for US89.

The US89 Interim Detour (US89T) is located along the existing Navajo Route 20 (N20) within the Navajo Nation. The project extends approximately 45 miles between existing US89 at The Gap and SR98 in the City of Page.

The scope of the project included designing a highway quality detour with one lane of asphaltic concrete pavement in each direction, targeting posted speeds of 55 mph, minimizing earthwork in the rolling and mountainous terrain, staying within the existing meandering roadway footprint, and avoiding numerous culturally, biologically and environmentally sensitive areas, some of which are located only feet from the roadway. More importantly, the design had to be delivered within seven weeks to allow for construction to be completed during the summer of 2013, in time for the upcoming school year.

AZTEC was responsible for all aspects of the design and environmental compliance and supporting ADOT with coordination between FHWA, the many departments of the Navajo Nation, the BIA and many other State and Federal Agencies. In addition, AZTEC provided comprehensive quality control, geometric roadway design, earthwork modeling, signing design, pavement marking, drainage engineering, construction cost estimating, specifications and construction document packaging for this essential project.

Intensive coordination and rapid deployment were essential to completing the supplemental National Environmental Policy Act (NEPA) environmental assessment in one month in parallel with the fast-track design efforts. Evaluated resources included biological resources, cultural resources, hazardous materials, and waters of the US. AZTEC's biologists actively searched for raptor and migratory bird nests, evaluated habitat suitability for federally listed and Navajo Nation special status plant and animal species, and prepared a biological evaluation. The only active nests observed were that of non-endangered raptors and non-threatened migratory birds. A 300 foot corridor centered on the N20 alignment had been previously surveyed for cultural resources; slivers of land beyond the corridor required new survey. The previously identified cultural sites were relocated, remapped, and reevaluated; two new sites also were identified. Intensive coordination with the N20 design team resulted in avoiding all cultural sites. Nine jurisdictional water drainages were identified, and the project was authorized under a non-notifying Section 404 Nationwide Permit 14.

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

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

a. TITLE AND LOCATION *(City and State)*	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(If applicable)*
WEST CHANDLER/SANTAN FREEWAY WASTEWATER FORCE MAIN DESIGN; CHANDLER, AZ	2012	2014

23. PROJECT OWNER'S INFORMATION

c .PROJECT OWNER	d .ORIGINAL BUDGET/NTE AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
City of Chandler	$1.3M (Design Fee)	$8.1M (Design & Construction Cost)

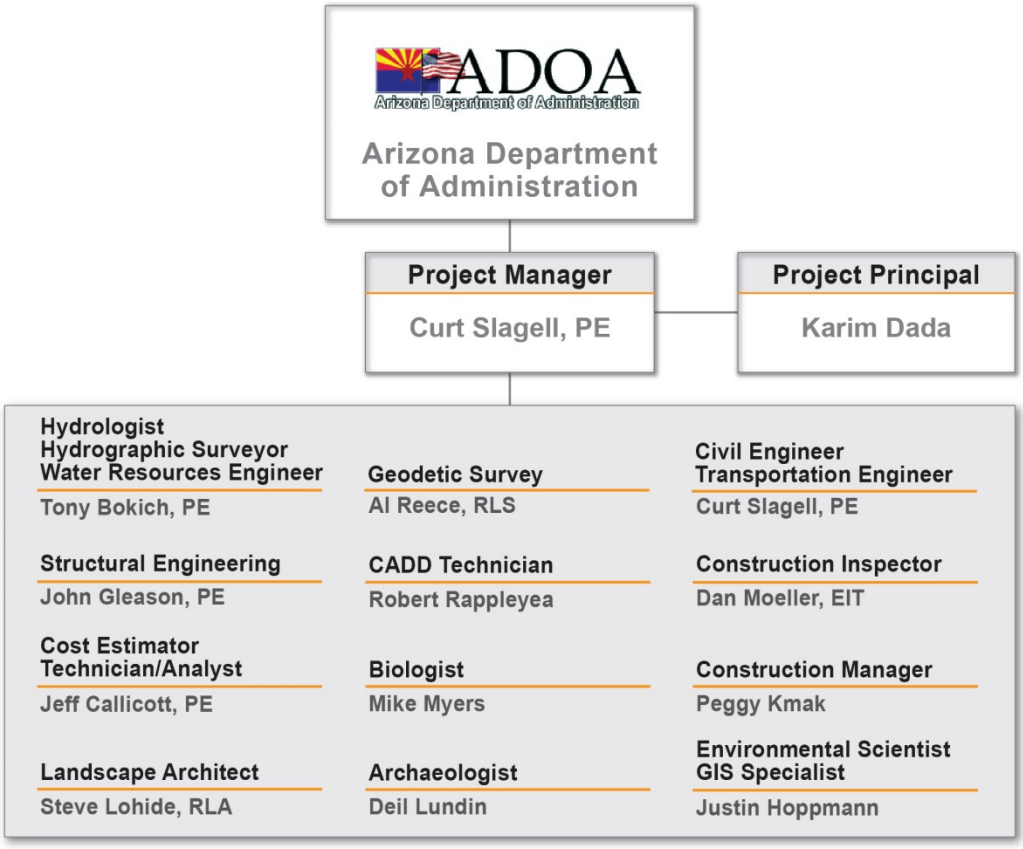
f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

AZTEC was responsible for the rerouting of the City of Chandler's wastewater outfall from the Lone Butte Wastewater Reclamation Facility to the Ocotillo Wastewater Reclamation Facility. The project required upgrading the City's existing 10 million gallons per day sewer pump station in order to pump wastewater to the new outfall location. Conveyance of the wastewater will be via a new 28-inch force main that was designed to be aligned along the south side of the 202L between Kyrene Road and Price Road within the Arizona Department of Transportation right-of-way. The force main was designed to outfall into an existing 66-inch sanitary sewer which required design of a new access controlled site with power service, odor control, flow monitoring, and SCADA and telemetry equipment.

AZTEC provided construction management services for the City of Chandler.

6. ADDITIONAL INFORMATION

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



7. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

a.	Percentage of Total Work Attributable to State, Federal and Municipal Government Work:	95%
b.	Percentage of Total Work Attributable to Non-Government Work:	5%

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

Signature: Curt Slagell Date: December 23, 2014

Name: Curt Slagell, PE Title: Senior Vice President