

	<h1>Offer and Acceptance</h1>		State of Arizona State Procurement Office 100 N. 15 th Ave. Suite 201 Phoenix, AZ 85007		
	SOLICITATION NO.: ADSP016-00005912 Request for Qualifications: 2016 Annual Professional Services List		PAGE 1		
Offeror: Atkins		OF 1			

OFFER

TO THE STATE OF ARIZONA:

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

Atkins North America, Inc.
 Company Name
20860 North Tatum Boulevard, Suite 260
 Address
Phoenix AZ 85050
 City State Zip
Jim Martin: james.m.martin@atkinsglobal.com
 Contact Email Address


 Signature of Person Authorized to Sign Offer
Justin Jones
 Printed Name
Senior Vice President
 Title
 Phone: 480.419.7275
 Fax: 480.419.7202

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

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

ACCEPTANCE OF OFFER

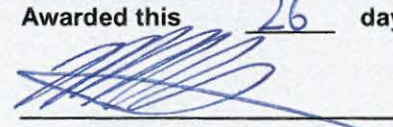
The Offer is hereby accepted.

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

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

The effective date of the Contract is March 1, 2016

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

State of Arizona
 Awarded this 26 day of February 2016

 Procurement Officer

December 21, 2015

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

RE: Statement of Qualifications for 2016 Annual Professional Services List

Dear Ms. DeCotiis:



The Arizona State Procurement Office is seeking consultants for the 2016 annual professional services list. Atkins understands that contracts awarded from this list could have varied scopes of work, which will require a team that can address many different agency and project needs, identify issues quickly, provide practical solutions, offer benefits that include cost- and time-saving efforts, and deliver successful projects through repeatable, proven experience.

Atkins offers you a highly qualified team to assist you with as-needed on-call engineering planning and design services. Our project team has the local staffing, experience, and professional expertise to provide these services, and we are committed to exceeding all project expectations. We understand that other cooperating member agencies may also use the selected consultant list, and we take pride in the fact that the majority of Atkins' Arizona business is generated through numerous on-call contracts throughout the state. These contracts have been awarded through qualifications-based selections and include local public agency, county, state, and federal clients. This portfolio is a true testament to our ability to serve our customers with quality planning and design services.

In addition to our proven track record of executing successful similar contracts described in our statement of qualifications, we will leverage the experience of our project manager, **Jim Martin, PE, RLS**, who has recent experience assisting state agencies with public improvement projects.

Supported by staff with extensive multidisciplinary Arizona experience, Atkins commits to providing the right expertise to each and every project task. You will find that our firm and staff meet all of the evaluation criteria:

- Atkins is registered and licensed to do business in Arizona.
- Our nominated staff members are all registered and in good standing with the Arizona State Board of Technical Registration.
- Atkins is corporately registered and in good standing with the Arizona State Board of Technical Registration.

When budgeted funds are scarce and schedules tight, you need a consultant that will provide good value—a practical team structure, efficient delivery, commitment to quality, and economical solutions. Atkins is dedicated to quality, client-service, and performing in a responsive manner. The Atkins team's attributes are highlighted by:

- **People**—we understand the critical tasks related to on-call engineering services
- **Schedule**—ability to execute task orders on accelerated timelines
- **Communication**—skilled in applying a culture of respect for partnering and honest interaction
- **Efficiency**—experienced in monitoring design and construction costs, thus eliminating surprises

We promise a dedicated team that is committed, energetic, and available to commit the necessary time to this contract—ensuring that **your priorities are our focus**. The identified staff is available and ready to commit to your work. If you have any questions, please contact our contract/project manager by phone at 602.317.4107 or at james.m.martin@atkinsglobal.com.

Sincerely,

Justin Jones, PE
Senior Vice President



ATTACHMENT I – General Qualifications
**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSPO16-00005912**

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

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

1. **Annual Request for Qualifications**

a. FIRM (OR BRANCH OFFICE) NAME:	Atkins
b. FIRM (OR BRANCH OFFICE) STREET:	20860 North Tatum Boulevard, Suite 260
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	AZ
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85050
f. YEAR ESTABLISHED:	1995 (Phoenix office)
(g1). OWNERSHIP - TYPE:	Corporation
(g2). OWNERSHIP - SMALL BUSINESS STATUS:	N/A
h. POINT OF CONTACT NAME AND TITLE:	Jim Martin, Project Director
i. POINT OF CONTACT TELEPHONE NUMBER:	480.419.7275
j. POINT OF CONTACT E-MAIL ADDRESS:	James.m.martin@atkinsglobal.com
k. NAME OF FIRM (If block 1a is a branch office):	Atkins North America, Inc.



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2. EMPLOYEES BY DISCIPLINE

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
CADD Technician	P	70	2
Civil Engineer	P	222	2
Construction Inspector	P	132	1
Landscape Architect	P	25	1
Project Manager	P	4	2
Transportation Engineer	P	269	1
Water Resources Engineer	P	65	6
Other Employees	P	1,637	6
Total		2,424	21



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

a. Approximate No. of Projects	b. Experience	c. Revenue Index Number (see below)
1	Bridge Design: Bridges	1
2	Dams (Earth; Rock); Dikes; Levees	1
1	Highways; Streets; Airfield Paving; Parking Lots	1
2	Irrigation; Drainage	2
1	Sewage Collection, Treatment and Disposal	3
1	Storm Water Handling and Facilities	1
4	Traffic and Transportation Engineering	1
2	Waste Water Treatment Facility	1
5	Water Resources; Hydrology; Ground Water	3
2	Water Supply; Treatment and Distribution	1
1	Water Well Rehabilitation; Water Well Work	1

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- | | |
|---|---|
| 1. Less than \$100,000 | 6. \$2 million to less than \$5 million |
| 2. \$100,000 to less than \$250,000 | 7. \$5 million to less than \$10 million |
| 3. \$250,000 to less than \$500,000 | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater |



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

a. NAME Brian Schalk, PE, CFM	b. ROLE IN THIS CONTRACT Project Principal, QA/QC Water Resources	c. YEARS EXPERIENCE	
		1. TOTAL 15	2. WITH CURRENT FIRM 2
d. LOCATION <i>(City and State)</i> ATKINS Phoenix, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S., Civil Engineering B.S., Civil Engineering; B.A., Philosophy		f. PROFESSIONAL TRAINING - REGISTRATIONS PE: AZ, CA, AK	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Brian Schalk has served as project manager/engineer on a variety of drainage and flood hazard protection planning studies and design projects. He has worked with local communities and county, state, and federal agencies to identify flood hazards, understand constraints and needs, and formulate strategies to solve these challenges. Certified Floodplain Manager, US-04-01304			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Upper East Fork Cave Creek Area Drainage Master Study Update, Flood Control District of Maricopa County, Phoenix, AZ	2016 (est.)	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Goals are to identify existing drainage problems and mitigation options using a regional FLO-2D model that represents existing conditions and simulates alternative scenarios for this densely developed 27-square-mile study area. FLO-2D modeling reflects urbanized study area characteristics such as regional channels and detention basins, flow diverting property walls and building footprints, large storm drain networks, roadway and channel culverts, and roadway conveyance.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2.	Golden Valley Flood Response Plan (FRP), Mohave County Flood Control District, Golden Valley, AZ	2015	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. The FRP was created based on maximum flow depth and velocity for the 500-square-mile study area for 80 storm scenarios using FLO-2D. Modeling was completed using grids with elements measuring 50 feet by 50 feet (5.6 million grid elements). Each scenario showed different combinations of storm duration, precipitation depth, and rainfall coverage, providing emergency managers data for a range of storm intensities in a variety of potential rainfall coverage areas across Golden Valley.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3.	Project: Kachina Village Initial Engineering Assessment, Coconino County, Kachina Village, AZ	2016 (est.)	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. The goals of the project include two-dimensional, existing condition, hydrologic and hydraulic analyses; assessment of flood hazards; evaluating regulatory policies; developing conceptual alternatives and selecting recommended alternative(s); and providing the information required to quantifiably rate or prioritize the study area for comparison against other study areas for capital improvement project planning.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4.	Alessandro and Mary Street Dams Failure Inundation Mapping, Riverside County Flood Control & Water Conservation District, CA	2016 (est.)	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. The project goal is compliance with the Dam Safety Act, California Code of Regulations, and guidance documents issued by the California Emergency Management Agency. Tasks include data collection and review, field reconnaissance, HEC-HMS modeling, dam breach analyses, FLO-2D modeling of dam failure hydrographs to determine the extent of downstream flooding (inundation limits), and inundation (flood hazard/risk) mapping.	<input checked="" type="checkbox"/> Check if project performed with current firm	
5.	Hassayampa River Sediment Transport Modeling, Flood Control District of Maricopa County, Maricopa County, AZ	2015	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. A sediment transport analyses comparison was conducted for a 27-river-mile reach of river using each of the following programs: HEC-RAS, HEC-6, HEC-6t, and FLUVIAL-12. Model simulations were using a single 100-year flood hydrograph and a hypothetical, long-term flood hydrograph. Sediment transport modeling also considered pre- and post-flood topographic data and existing and fully permitted sand and gravel mining pit conditions.	<input checked="" type="checkbox"/> Check if project performed with current firm	



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

a. NAME Jim Martin, PE, RLS	b. ROLE IN THIS CONTRACT Contract Manager/Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 30	2. WITH CURRENT FIRM 6
d. LOCATION <i>(City and State)</i> ATKINS Phoenix, Arizona		Additional role: Transportation Engineering	
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S. / Industrial/Civil Engineering A.T. / Design Drafting		f. PROFESSIONAL TRAINING - REGISTRATIONS PE: AZ, NV, CA; RLS: AZ, MO	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Jim Martin's experience includes civil infrastructure project planning, design, and bid phase services. His involvement in state, county, and local infrastructure design projects funded by various sources, including local, state, and federal allocations, has allowed him to adapt design requirements to meet different agency requirements.			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Wet Beaver Creek Pedestrian Bridge, Yavapai County Public Works, Yavapai County, AZ	2014	Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for the planning and design of a steel arch pedestrian bridge over Wet Braver Creek at Lake Montezuma. The project included public involvement, alternatives evaluation, and final design and included various environmental permitting/review including archeological, cultural resources, migratory bird surveys and floodway analysis.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Bullhead City Community Park Improvements, Bullhead City, AZ	2009	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for various community park improvements, including seawalls, a non-motorized boat launch facility, ADA pedestrian walkways between the launch facility and a new multifunction restroom facility and ramada, parking lots and water quality improvements at the Sunshine Marina. Also provided design for the Sunshine Marina while with another firm. Project manager for design of gravity sewers and 18-1 and 18-2 lift stations and force mains.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Traffic Impact Analysis and Site Development Plan Review Services, Navajo County, AZ	2009	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Atkins provided technical reviews of developer-prepared drainage studies, traffic impact analyses and signing, pavement marking, roadway, and traffic control plans for proposed developments throughout the county. The County engineer relied on Atkins to ensure the technical accuracy of the submittals and the appropriateness and adequacy of the recommended mitigation measures.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Vanderslice Road Design Concept Report (DCR) and Environmental Overview (EO), Mohave County, AZ	2009	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. An alternative route to SR 95 was sought to alleviate existing congestion; improve traffic circulation; provide an alternate north/south route; improve the local and regional traffic flow; and enhance the health, safety, and welfare of the public. Atkins prepared a DCR, preliminary plans, and EO with particular attention to the impacts of alignment on land use, traffic diversion, and operational sufficiency. The project was completed on an accelerated schedule to meet funding priorities.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	La Paz County HSIP Grant Applications, La Paz County Public Works, La Paz County, AZ	2014	Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for the development of design concept reports and ADOT grant applications for FHWA funding of Highway Safety Improvement Projects for La Paz County. The (approximately) \$6 million in federal funds would add guardrail to a 20-mile segment of Alamo Road and about 6 miles of livestock fencing and cattle-guards on Salome Highway.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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

a. NAME Anthony Pisano, PE	b. ROLE IN THIS CONTRACT Transportation Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 23	2. WITH CURRENT FIRM 1

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

e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S., Civil Engineering B.S., Civil Engineering	f. PROFESSIONAL TRAINING - REGISTRATIONS PE: AZ
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g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Anthony Pisano's experience includes water resources engineering, planning, and transportation. His alternative delivery experience includes design-build, construction manager/general contractor, and general engineering consulting. He has successfully managed complex projects in excess of \$100 million involving extensive coordination with jurisdictions and regulatory authorities.

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Cotton Lane Bridge, MC85 to Estrella Parkway, Maricopa County Department of Transportation (MCDOT), Goodyear, AZ	(2) YEAR COMPLETED	
		Professional Services 2008	Construction (if applicable) 2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for this \$50 million CMGC project that included a new 6-lane, 2,100-foot-long bridge over the Gila River. The project reconstructed 2.5 miles of Cotton Lane and improved the Cotton Lane/MC 85 Intersection. A new 3-lane roundabout was designed at the intersection of Cotton Lane and Estrella Parkway. The project included a new at-grade crossing of the Union Pacific Railroad and relocation of major facilities for both Buckeye and Roosevelt Irrigation Districts.	<input type="checkbox"/> Check if project performed with current firm	

2.	(1) TITLE AND LOCATION <i>(City and State)</i> SR101L HOV Lane Design, Environmental Studies, General Engineering Consultant, ADOT, Maricopa County, AZ	(2) YEAR COMPLETED	
		Professional Services 2008	Construction (if applicable) 2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal and QA/QC. Developed concept plans and environmental documentation for incorporation of high occupancy vehicle (HOV) lanes to a 30-mile portion of SR 101L (Loop 101) between I-10 and Tatum Boulevard and 3 miles of additional general purpose (GP) lanes between 31st and 15th Avenues. Facilitated public involvement and agency coordination efforts to build consensus among local communities and affected agencies.	<input type="checkbox"/> Check if project performed with current firm	

3.	(1) TITLE AND LOCATION <i>(City and State)</i> 75th Avenue and Thunderbird Road Intersection Improvements, City of Peoria, AZ	(2) YEAR COMPLETED	
		Professional Services 2010	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for this CMGC project that included traffic analysis and final design plans for intersection improvements. Compared alternatives based on construction and right-of-way costs, utility impacts, access control, intersection operation, level of service, and travel time delay. Final plans included roadway, drainage, pavement marking/signing, traffic signal, lighting, and signal interconnect plans and provided layout of fiber communications and conduit.	<input type="checkbox"/> Check if project performed with current firm	

4.	(1) TITLE AND LOCATION <i>(City and State)</i> I-17 Drainage Improvements, ADOT, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2006	Construction (if applicable) 2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for final design that improved drainage along I-17 and cross streets at Peoria, Cactus, Thunderbird, and Greenway roads. Four pump stations were replaced with two large retention basins and gravity drainage to the Arizona Canal Diversion Channel (ACDC). The project included large-diameter pipe design, trenching, and frontage road replacement. A dynamic hydraulic model (XPSWMM) was used to optimize pipe sizes.	<input type="checkbox"/> Check if project performed with current firm	

5.	(1) TITLE AND LOCATION <i>(City and State)</i> US 93 Southbound Ranch Road, from Mile Post 104.1 to Mile Post 106.0, ADOT, Mohave County, AZ	(2) YEAR COMPLETED	
		Professional Services 2009	Construction (if applicable) 2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager for final design of a new four-lane rural divided highway by constructing a new two-lane roadway adjacent to the existing two-lane roadway. The context-sensitive project included complex cross drainage and channel design and traversed important visual resources of special interest to ADOT, Bureau of Land Management, and the traveling public. Flexible design standards were considered to maintain safety standards. Plans included plant salvage, replanting, and extensive erosion control measures.	<input type="checkbox"/> Check if project performed with current firm	



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

a. NAME Gilbert Gardner, PE	b. ROLE IN THIS CONTRACT Transportation Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 43	2. WITH CURRENT FIRM 5
d. LOCATION <i>(City and State)</i> ATKINS Phoenix, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.C.E, Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS PE: AZ, CA, CO	

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Gilbert Gardner's project management experience includes major transportation facilities and mega projects from the scoping and planning and environmental stages through to final design and construction. He also has expertise in the completion of state highway system projects. He is known for his ability to deliver projects on expedited schedules.

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Anaheim Fixed-Guideway Transit Corridor Study, Anaheim, CA	2012	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Atkins is responsible for the alternatives analysis (AA), EIR, EIS, and conceptual engineering for the new east-west transit connection between the Anaheim Regional Transportation Intermodal Center (ARTIC) and the general area of the Anaheim Resort area.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Whittier Parking Management Plan, Whittier, CA	2010	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE QA/QC reviewer. Atkins assessed the City of Whittier's existing parking resources and community needs to determine future parking needs and goals. Atkins developed a range of parking recommendations and options for efficient and effective parking strategies as well as recommendations for the implementation and maintenance of existing and proposed public improvements.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Santa Fe Commuter Rail for Mid-Region Council of Governments (MRCOG) – Albuquerque, NM	2008	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior rail engineer. Provided planning and design oversight for the implementation of a fast-tracked commuter rail system between the cities of Belen and Bernalillo. The project included nine intermodal passenger stations and park-and-ride facilities along the 46-mile-long corridor. The project included design of park-and-ride and station platform facilities at four locations on an accelerated schedule. Also served as the quality control manager on this project.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Metro North Line, Houston, TX	2006	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE As QA manager, responsible for quality assurance for the preliminary design of an 8-mile light rail system for Houston METRO. Primary responsibilities included technical review of the proposed design criteria, development of QA/QC procedures for the project, and development of cost estimating procedures and project budget.	<input type="checkbox"/>	Check if project performed with current firm
5.	Albuquerque Modern Streetcar, Albuquerque, NM	2005	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project controls manager. Responsible for scheduling and QA for the planning and preliminary design of an 8-mile modern streetcar system. Provided technical review of the proposed design criteria, development of QA/QC procedures, preparation of the planning, design and construction schedule, and development of cost estimating procedures and project budget. Developed commercial terms for the vehicle procurement and managed the preparation of RFP documents for the CMGC procurement process.	<input type="checkbox"/>	Check if project performed with current firm



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

a. NAME Linda Potter, PE, CFM	b. ROLE IN THIS CONTRACT General Civil Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 22	2. WITH CURRENT FIRM 5

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

e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Geological Engineering	f. PROFESSIONAL TRAINING - REGISTRATIONS PE: AZ, NV
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g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Linda Potter's expertise includes hydrology, hydraulics, grading, and drainage. She is well versed in FEMA requirements. Her experience in Arizona includes more than 100 design concept projects, floodplain projects resulting in flood insurance rate map (FIRM) revisions, and floodplain infrastructure design projects. Certified Floodplain Manager - Arizona US-03-00967, 2003

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	DVT Taxiway A Reconstruction Design (Deer Valley Airport), Phoenix, AZ	2013	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Drainage engineer. This project included reconstruction of the existing Taxiway A and expansion of the north run-up area (47,000 square yards of new pavement and 70,000 square yards of pavement demolition). The project also included new signage, edge lighting, markings, drainage, utility relocation, and blast fencing.		
2.	Cottonwood Railroad Wash Floodplain Delineation Study, City of Cottonwood, AZ	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project manager for a floodplain delineation study on Railroad wash in Cottonwood, Yavapai County, Arizona. The study included HEC-RAS hydraulic modeling for channel flows and FLO-2D modeling for characterization of a non-levee embankment structure. Atkins assisted the City with public notifications and an open-house public meeting.		
3.	Queen Valley Flood Mitigation Project, Pinal County, AZ	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project manager. Provided plans, specifications and estimates (PS&E) for channel improvements, including multiple-cell box culvert design at roadways. Developed erosion control and stabilization plans, roadway drainage, landscaping plans, maintenance access, and access control. Atkins performed a cost-benefit analysis during the alternatives phase. Right-of-way services included numerous easements on private property and on federal land managed by BLM.		
4.	La Paz County, Contract County Engineer and Floodplain Administrator, La Paz County, AZ	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Contract floodplain administrator for La Paz County. Responsible for determining compliance with the minimum standards of the National Flood Insurance Program (NFIP) and 44 CFR Part 60.3. This contract has included submittal of a hazard mitigation grant to FEMA, site inspections, elevation certificates, and coordination of floodplain issues throughout the county.		
5.	Yarnell and Doce Fire Floodplain Support Services, Yavapai County, AZ	2014	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project manager for emergency response services related to the Yarnell Hill Fire and Doce Fire. These services include developing pre- and post-burn hydrologic and hydraulic models to characterize the change in runoff potential. Atkins prepared hydrology and inundation limits based on post-fire watershed conditions within 48 hours and designed drainage improvements in Yarnell to mitigate scour and flooding as part of an emergency protection grant.		



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

a. NAME Hari Raghavan, Ph.D., PE, CFM	b. ROLE IN THIS CONTRACT Water Resources	c. YEARS EXPERIENCE	
		1. TOTAL 14	2. WITH CURRENT FIRM 2
d. LOCATION <i>(City and State)</i> ATKINS Phoenix, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Ph.D., Ocean Engineering; M.S., Civil Engineering; B.Tech., Naval Architecture		f. PROFESSIONAL TRAINING - REGISTRATIONS PE: AZ, CA	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Dr. Hari Raghavan has 14 years of experience in hydrologic, hydraulics, sediment transport, and river mechanic analyses. His expertise includes development of numerical models for a variety of flood hazard mitigation projects/ studies completed for a diverse set of clients. Certified Floodplain Manager, US-04-01299, 2004			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Moovalya Estates Sediment Basin and Storm Drain Design, La Paz County, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer for the design of a sediment basin and storm drain system to control flooding and sediment deposition in La Paz County. Hydrology, hydraulics, and sediment yield calculations per the MUSLE methodology were performed to determine design requirements. Right-of-way acquisition support was provided by Atkins to obtain an easement from the Arizona State Land Department.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Pinal County On-Call Contract, ACIP Structure Data Collection, Amarillo Basins, Pinal County, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Evaluation of four multi-cell above ground structures in Amarillo Valley, Pinal County. Data collection, hydrologic modeling, inspection, and criteria evaluation were performed as well as numerous hypothetical breach analyses using FLO-2D software with the results compiled into color-coded inundation maps.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	(1) TITLE AND LOCATION <i>(City and State)</i> San Antonio River Basin Regional Model Standards H&H Modeling Sediment Transport Section, San Antonio, TX	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. This ongoing project involves an update of the regional modeling standards document to include a section on sediment transport. This section includes guidance for addressing FEMA MT-2 Form questions related to sediment transport.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	(1) TITLE AND LOCATION <i>(City and State)</i> Cottonwood Railroad Wash Floodplain Delineation Study, City of Cottonwood, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Floodplain delineation study on Railroad wash in Cottonwood, Yavapai County. The study included HEC-RAS hydraulic modeling for channel flows and FLO-2D modeling for characterization of a non-levee embankment structure. Atkins assisted the City with public notifications and an open-house public meeting.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Zone A Floodplain Delineation Study, Phase 1, Yavapai County Flood Control District, Yavapai County, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Responsible for the hydraulic analysis and floodplain delineation for 154 miles of washes. The project involved completing a FEMA RiskMAP-compliant approximate floodplain delineation study for several streams in Yavapai County. He also performed FLO-2D modeling for a stream where 1D flood routing program was over estimating the inundation limits.	<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 Anil Nampally, PE, CFM	b. ROLE IN THIS CONTRACT Water Resources	c. YEARS EXPERIENCE	
		1. TOTAL 10	2. WITH CURRENT FIRM 1
d. LOCATION <i>(City and State)</i> ATKINS Phoenix, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S., Civil Engineering B.Tech., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS PE: AZ	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Anil Nampally's experience in hydrology and hydraulic modeling includes 2D modeling and designing flood control structures, performing floodplain delineation studies and mapping, and extensively using GIS for water resource projects. Certified Floodplain Manager: Arizona, US-11-05847, 2011			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Red Valley Ranch, PM Consultants, City of Maricopa, Pinal County, AZ	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. A major portion of the site was in FEMA flood Zone A, so a conditional letter of map revision (CLOMR) was submitted to remove the site from Zone A. Performed existing floodplain delineations using HEC-RAS, HEC GeoRAS, and GIS. Designed the proposed channels, culverts, and detention basins to safely route the off-site runoff and tie into the existing floodplain. The proposed channels and culverts were modeled in HEC-RAS and a CLOMR was approved.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Moovalya Estates Sediment Basin and Storm Drain Design, La Paz County, AZ	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Designing a sediment basin and storm drain system to control flooding and sediment near the Parker Strip. Hydrology, hydraulics, and sediment yield calculations per the MUSLE methodology were performed to determine infrastructure design requirements. He reviewed the FLO-2D inundation limits to determine the appropriate sediment basin location. Also working on right-of-way acquisition for the drainage easement from the Arizona State Land Department.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Cottonwood Railroad Wash Floodplain Delineation Study, City of Cottonwood, AZ	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE QA/QC reviewer for the hydrologic and hydraulic analysis, including FLO-2D results. He also created the final deliverable GIS shapefiles database in FEMA format. Atkins performed a floodplain delineation study on Railroad wash in the city of Cottonwood. The study included HEC-RAS hydraulic modeling for channel flows and FLO-2D modeling for characterization of a non-levee embankment structure.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Yarnell and Williamson Valley Floodplain Delineation Study and Post-Fire Services, Yavapai County, AZ	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer responsible for QA/QC of the hydrologic and hydraulic models for the washes in Yavapai County. Atkins performed emergency response services related to the Yarnell Hill Fire and Doce Fire. These services included developing pre- and post-burn hydrologic and hydraulic models to characterize the change in runoff potential based on removal of vegetation, soil scorching, and other factors.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Zone A Floodplain Delineation Study, Phase 1, Yavapai County Flood Control District, Yavapai County, AZ	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Responsible for the hydraulic analysis and floodplain delineation for 154 miles of washes. The project involved completing a FEMA RiskMAP-compliant approximate floodplain delineation study for several streams in Yavapai County. He also performed FLO-2D modeling for a stream where 1D flood routing program was over estimating the inundation limits.	<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 Krystle Pemberton, CFM	b. ROLE IN THIS CONTRACT Water Resources	c. YEARS EXPERIENCE	
		1. TOTAL 10	2. WITH CURRENT FIRM 10
d. LOCATION <i>(City and State)</i> ATKINS Phoenix, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Krystle Pemberton's experience in water resources engineering includes hydraulic and hydrologic (H&H) analyses, flood control facility master planning, technical drainage studies, and floodplain mapping. She has in-depth knowledge of arid environment drainage design and analysis. Certified Floodplain Manager, US-06-02187			

H. RELEVANT PROJECTS

#	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Pinal County Santa Rosa Wash Levee Data Collection and Evaluation, Pinal County, AZ	Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Lead hydrologic and hydraulic engineer for the data collection, inspection, and condition evaluation for this 1,100-foot FEMA-accredited levee in Pinal County. As part of this project, a Flood Response Plan is being prepared that includes a HEC-RAS unsteady state levee breach model and FLO-2D modeling of the inundation limits. The FLO-2D model covers the urban downstream watershed in Maricopa.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Verde River Non-Regulatory Floodplain Mapping Products, Yavapai County, AZ	2013	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer for creating non-regulatory products per FEMA Guidelines and Specifications Appendices N & O for 43 miles of the Verde River. Changes since the last FIRM (CSLF) shapefiles and depth, velocity, percent-chance, and percent 30-year chance grids are being prepared. Additionally, Atkins is developing two County-specific products focused on risk and emergency action plans. The created products will be used for public outreach, public meetings, compliance, and emergency actions.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Yavapai Hills Drainage Improvements Project, City of Prescott, AZ	2014	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer for developing drainage improvements for portions of the Yavapai Hills development. The older portions of the residential development lack extensive drainage infrastructure and had experienced damage from flooding. This project requires developing innovative design solutions to retrofit the area with improved drainage conveyances. The steep grades in the community posed project challenges for improving drainage while maintaining lot access.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Kachina Village/Mountaineer Floodplain Delineation Study, Coconino County, AZ	2013	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Atkins was selected to provide floodplain mapping for Coconino County under FEMA Cooperative Technical Partner (CTP) RiskMAP Flood Study Mapping Activity Statement (MAS). Project engineer for the re-delineation of 10 miles of Pumphouse wash and Schoolhouse wash south of Flagstaff using ArcGIS, GeoRAS, and HEC-RAS.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Reems Road at Olive Avenue, MCDOT, Phoenix, AZ	2011	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. Assisted with drainage design for this intersection improvement project. The project included off-site flow modeling to determine impact to the intersection. The Reems Road regional drainage channel necessitated water quality improvements as part of the drainage design.	<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 Ed Kern, CFM	b. ROLE IN THIS CONTRACT Water Resources	c. YEARS EXPERIENCE	
		1. TOTAL 1	2. WITH CURRENT FIRM 1

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

e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S., Civil Engineering B.S., Civil Engineering	f. PROFESSIONAL TRAINING - REGISTRATIONS
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g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Ed Kern is a recent graduate from Brigham Young University. The topic of his thesis was "Upstream Directed Surface Velocities and Public Safety at Low-Head Dams." He is responsible for performing H&H analyses, scripting GIS automation tools, storm drain design, floodplain delineations, and field work. Certified Floodplain Manager, US-14-08087

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Moovalya Estates Sediment Basin and Storm Drain Design, La Paz County, AZ	(2) YEAR COMPLETED	
		Professional Services Ongoing	Construction (if applicable) N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Project engineer assisting with the hydrologic and hydraulic analysis related to the design of a sediment basin and storm drain system to control flooding and sediment deposition near the Parker Strip. Hydrology, hydraulics, and sediment yield calculations per the MUSLE methodology were performed to determine infrastructure design requirements. Right-of-way acquisition support was provided by Atkins to obtain an easement from the Arizona State Land Department.

2.	(1) TITLE AND LOCATION <i>(City and State)</i> Cottonwood Railroad Wash Floodplain Delineation Study, City of Cottonwood, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Project engineer assisting with field work and hydraulic modeling. The study included HEC-RAS hydraulic modeling for channel flows and FLO-2D modeling for characterization of a non-levee embankment structure. Delineation was provided using custom GIS tools, and grids provided for depth, water surface elevation, and velocities. Atkins assisted the City with public notifications and an open-house public meeting. The study was submitted to FEMA for a LOMR.

3.	(1) TITLE AND LOCATION <i>(City and State)</i> Zone A Floodplain Delineation Study, Phase 1, Yavapai County Flood Control District, Yavapai County, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Project engineer responsible for the creation of FEMA workmaps for a project involving the hydraulic analysis and floodplain delineation for 154 miles of washes and completing a FEMA RiskMAP-compliant approximate floodplain delineation study for several streams in Yavapai County.

4.	(1) TITLE AND LOCATION <i>(City and State)</i> Purple Line Public-Private Partnership Design, Maryland Transit Administration, North of Washington, DC	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Project engineer responsible for the optimization of the proposed alignment of the drainage structures. He performed storm drain design, assisted with QA/QC on the drainage quantity analysis and the drainage roll plots, and wrote scripts to increase efficiency and productivity. Atkins is the prime consultant shortlisted on the Flour/Lane/Traylor Bros. team Purple Line Transit Partners for the \$2.2 billion light rail project.

5.	(1) TITLE AND LOCATION <i>(City and State)</i> Upper East Fork Cave Creek Area Drainage Master Study Update, Flood Control District of Maricopa County, Phoenix, AZ	(2) YEAR COMPLETED	
		Professional Services 2016 (est.)	Construction (if applicable) N/A

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE Check if project performed with current firm
Project engineer. Goals are to identify existing drainage problems and mitigation options using a regional FLO-2D model that represents existing conditions and simulates alternative scenarios for this densely developed 27-square-mile study area. FLO-2D modeling reflects urbanized study area characteristics such as regional channels and detention basins, flow diverting property walls and building footprints, large storm drain networks, roadway and channel culverts, and roadway conveyance.



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

a. NAME Teresa Grombacher	b. ROLE IN THIS CONTRACT Transportation Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 23	2. WITH CURRENT FIRM 3
d. LOCATION <i>(City and State)</i> ATKINS Phoenix, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Continuing education in real estate, law, engineering, and right-of-way related courses		f. PROFESSIONAL TRAINING - REGISTRATIONS AZ Real Estate Broker BR089736000	

g. OTHER PROFESSIONAL QUALIFICATIONS *(Organizations, Awards, etc.)*
Teresa Grombacher's experience includes real estate and right-of-way services under federal, state, and local agency regulations. She performs acquisition of property rights, negotiations, relocation assistance, eligible benefit and cost factor determinations, comparable housing data research and analysis, and quality assurance. She is a licensed broker and RWA certified.

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Queen Valley Flood Mitigation Design, Phases 1 and 2 Pinal County Public Works, Pinal County, AZ	(2) YEAR COMPLETED	
		Professional Services 2016	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Primary agent providing acquisition, relocation, and right-of-way services for 17 impacted parcels that include total and partial fee, acquisitions, permanent and temporary easements, and two residential relocations. Atkins is providing engineering, design, and related channel and culvert construction.	<input checked="" type="checkbox"/> Check if project performed with current firm	

2.	(1) TITLE AND LOCATION <i>(City and State)</i> Moovalya Estates Sediment Basin and Storm Drain Design, La Paz County, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Right-of-way agent. Provided right-of-way acquisition services to obtain an easement from the Arizona State Land Department. Atkins designed the sediment basin and storm drain system to control flooding and sediment deposition.	<input checked="" type="checkbox"/> Check if project performed with current firm	

3.	(1) TITLE AND LOCATION <i>(City and State)</i> Project Neon Right-of-Way Services, Phase 1, Nevada Department of Transportation, Las Vegas, NV	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Right-of-way agent. Responsible for providing Phase 1 right-of-way services, quality assurance, and assistance with scope of work items including project planning; project cost estimate updates; utility relocation plan delivery; right-of-way surveys and mapping; acquisition and relocation assistance services; interim property management; improvement demolition and clearance in acquired right-of-way; utility relocations; and condemnation case information preparation.	<input checked="" type="checkbox"/> Check if project performed with current firm	

4.	(1) TITLE AND LOCATION <i>(City and State)</i> Paradise-Whitney Interceptor Land Acquisition Services, Clark County Water Reclamation District, Las Vegas, NV	(2) YEAR COMPLETED	
		Professional Services 2013	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Right-of-way and quality control agent. Atkins performed ownership and title research, provided property ownership lists, property rights requirements analysis, right-of-way cost estimates, property rights acquisition, and utilities data collection. Also provided preliminary design support, surveying, environmental services, and hydrologic design for the Paradise-Whitney Interceptor.	<input checked="" type="checkbox"/> Check if project performed with current firm	

5.	(1) TITLE AND LOCATION <i>(City and State)</i> Pyramid Way/McCarran Boulevard Intersection Final Design Services, Phases 1 and 2, RTC of Washoe County, Reno, NV	(2) YEAR COMPLETED	
		Professional Services 2016	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Right-of-way and quality control agent responsible for pre-acquisition activities, review of property acquisition, and relocation assistance. In Phase 1, Atkins provided right-of-way services for 70 residential parcels, a church, a commercial building and business tenants, utility engineering, support for possible construction manager-at-risk delivery, and public outreach support. Phase 2 right-of-way includes 34 parcels with partial fee, permanent utility, and temporary easement acquisitions.	<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 Tom Beck, PE	b. ROLE IN THIS CONTRACT General Civil Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 39	2. WITH CURRENT FIRM <1
d. LOCATION <i>(City and State)</i> ATKINS Phoenix, Arizona			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S., Environmental Engineering B.S., Civil Engineering		f. PROFESSIONAL TRAINING - REGISTRATIONS PE: AZ, CO, CA	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> Tom Beck's civil engineering experience spans initial due diligence to construction observation and closeout for waterlines, sewer lines, site grading, storm drain lines, stormwater retention, roadways, subdivisions, commercial developments, school sites, parks, solar farms, and public multi-use trails. Member - American Society of Civil Engineers			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION <i>(City and State)</i> Eastmark Great Park, Phases 1 & 2, Mesa, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Civil engineer. Services for design and construction of a 15-acre regional park included grading, drainage, waterlines, sewer lines, storm drain lines, platting, cost estimating, specifications, and bidding and construction assistance. Amenities included parking lots, a grand plaza, splash pad for kids, lake with feeder streams and wetlands, pump station for the lakes, event pavilion in a turfed arena, nationally recognized play sculpture, and retention basins.		
2.	(1) TITLE AND LOCATION <i>(City and State)</i> Eastmark Mass Grading, Mesa, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Civil engineer. Prepared a mass grading plan (approximately 3,000 acres). Services included aerial mapping, surveying, earth work modeling (in Civil 3D), haul route analyses, and cost estimating. The project required incorporation of all on-going and planned future development activities within Eastmark, with periodic updates as required by client, including preparation of a variety of exhibits.		
3.	(1) TITLE AND LOCATION <i>(City and State)</i> Redwood Solar Farm, Bakersfield, CA	(2) YEAR COMPLETED	
		Professional Services 2015	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Civil engineer. Provided civil engineering services on 537-acre solar farm in Kern County. Services included grading, stormwater routing and retention facilities, roadway design, fencing, cost estimating, and construction services (e.g., SWPPP, erosion control plan, responding to RFIs, shop drawing review, inspections, certifications, etc.).		
4.	(1) TITLE AND LOCATION <i>(City and State)</i> SKIC 20 Solar Farm, Bakersfield, CA	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Civil engineer. Provided civil engineering services on 218-acre solar farm in Kern County. Services included grading, stormwater routing and retention facilities, roadway design, fencing, cost estimating, and construction services (e.g., SWPPP, erosion control plan, responding to RFIs, shop drawing review, inspections, certifications, etc.).		
5.	(1) TITLE AND LOCATION <i>(City and State)</i> Englund Equipment Co., Avondale, AZ	(2) YEAR COMPLETED	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Civil engineer. Provided civil engineering services associated with upgrading the central operations center on a 23-acre site of a trucking company. Services included septic system evaluation, site plan approval, grading and drainage, permitting assistance, and surveying.		



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

a. NAME Dan Cleland, RLA, ASLA		b. ROLE IN THIS CONTRACT Parks/Landscape Architecture		c. YEARS EXPERIENCE	
				1. TOTAL 35	2. WITH CURRENT FIRM <1
d. LOCATION <i>(City and State)</i> ATKINS Phoenix, Arizona					
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S., Landscape Architecture			f. PROFESSIONAL TRAINING - REGISTRATIONS RLA: AZ, NV		
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Organizations, Awards, etc.)</i> American Society of Landscape Architects, Valley Forward, Valley Partnership, and Camp Colley Foundation - Member; Sonoran Preservation Committee - Chair and board member (1997-2005)					

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		Professional Services	Construction (if applicable)
1.	Downtown Phoenix Streetscape Design, City of Phoenix, AZ	1995	1995
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager/lead landscape architect. Design and construction management of 18 downtown city blocks. Coordinated all design work blending conceptual designs into final construction documents. Provided custom planting details and specifications for native desert tree species. Worked with the City's horticulturist and forester for transplanting, shipping, and installing numerous drought-tolerant tree species.	<input checked="" type="checkbox"/>	Check if project performed with current firm
2.	Cave Creek Parkway, Town of Cave Creek, AZ	1997	1998
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Landscape architect. Worked with Town staff, neighborhood interest groups, and local environmental groups for planning and revegetation of 3 miles of Cave Creek road right-of-way. Inventoried existing native wildflowers and grasses. Developed a new planting plan and seed mix for revegetation of median and shoulders. New plantings and native seed mix were installed to match original plant zones to create a seamless edge between revegetation areas and existing plant material.	<input checked="" type="checkbox"/>	Check if project performed with current firm
3.	Water Street Streetscape and Entry Improvements, Henderson, NV	2005	2006
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Task leader - landscape and urban design/public outreach. The design for redevelopment of 8 blocks included signage concepts/sketches (project entry monumentation, intersection signage, directional, and information kiosk design). Facilitated design workshops with City personnel and public meetings with 75 business owners/stakeholders. Final design eliminated two traffic lanes, implemented traffic calming elements, and increased pedestrian walkways to support outdoor café areas.	<input checked="" type="checkbox"/>	Check if project performed with current firm
4.	Eastmark – "Great Park" Master Plan and Phase 1 Development, Mesa, AZ	2012–2013	2013–2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager/lead landscape architect. Planning and development for the 100-acre Great Park and 100 acres of commercial, municipal, and school land. Recreational use zones can be adapted as Eastmark develops over the next 10 years. Phase 1 features a sales/community center, lake with streams and wetlands, lake fill line and pump station, amphitheater, ramada, parking lots, storm drain facilities, pedestrian walkways, lighting, utilities, and plaza with splash pad.	<input checked="" type="checkbox"/>	Check if project performed with current firm
5.	Pecos Park Development Phoenix, Arizona; City of Phoenix, AZ	2004	2005
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Managed refinement of the 60-acre park's master plan, construction documents through 90 percent submittal, and construction administration. The park provides lighted soccer fields; aquatics center with competition diving tank; tennis, sand volleyball, and basketball courts; skate park; and children's water play area. Design incorporated vehicular traffic, bikeways, and access to a new maintenance facility. Developed a 3-acre maintenance compound.	<input checked="" type="checkbox"/>	Check if project performed with current firm



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

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

a. TITLE AND LOCATION (City and State) Bullhead City Community Park Improvements Bullhead City, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION (If applicable) 2013

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Bullhead City	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Varied by task	e. TOTAL COST OF PROJECT Varied by task
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Atkins provided planning, design, and construction management services for several park projects, including:



Community Park Seawalls. Atkins prepared the design and specifications for nearly 0.5 miles of seawall bank stabilization along the Colorado River adjacent to Community Park. The east bank of the river was migrating into the park due to bank scour, which resulted in lost beach areas and was jeopardizing the structural integrity of park pavilions, utilities, the boat launch facility, and other park infrastructure. Atkins engineers performed hydraulic modeling of the river to determine design parameters for the bank stabilization. An earth-colored split-face concrete masonry unit wall was structurally designed for the tractive shear and buoyancy forces of the river flow. The wall was designed to allow pedestrian access to the river through stairs, Americans with Disabilities Act (ADA)-accessible facilities, and the primary boat launch ramp.

Non-Motorized Boat Launch Facility. Atkins provided planning and engineering services for a non-motorized boat launch facility and associated site infrastructure as part of a State Lake Improvement Fund (SLIF) grant. The planning portion included siting, type (bank-mounted or in-river floatation), and vehicular circulation and access required to launch watercraft of various types. Due to daily river elevation fluctuations of nearly 5 feet, the chosen concept was an in-river floating dock mounted to hinges on a stabilized seawall. An access roadway from SR 95 was designed with a turnaround circle adjacent to the boat launch infrastructure. The access roadway required deep cuts in the slope adjacent to the river, and a scenic terraced and landscaped wall was designed to retain the earth adjacent to the roadway. The project also included design of ADA pedestrian walkways.



Community Park Gravity Sewers and 18-1/18-2 Lift Stations and Force Mains. Atkins performed planning, preliminary engineering, and design services for a 24-inch gravity sewer through the Community Park. The gravity sewer was designed to eliminate two aging pump stations in the park and to convey existing and future flows to the new 18-1 lift station. Atkins provided program management, construction oversight, and construction administration for this \$6 million sewer improvement project. Project components include several miles of gravity collection sewer, several miles of force main, house lateral connections, utility relocations, jack-and-bore installations under SR 95, and ADEQ certifications.

Sunshine Marina Water Quality Improvements. Atkins evaluated natural and mechanical alternatives to improve the flushing ability of the historic Sunshine Marina on the Colorado River. The geometry of the marina did not allow for adequate flushing of water, which led to algae and other biological growth that produced poor water quality as well as an unsightly visual character. The completed project drastically improved the water quality and attracted aquatic species that had not been seen in the marina prior to the circulation improvements.



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

a. TITLE AND LOCATION (City and State) Wet Beaver Creek Pedestrian Bridge Yavapai County, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION (If applicable) 2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Yavapai County Public Works	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$450,000	e. TOTAL COST OF PROJECT \$554,000
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Atkins performed the planning, design, and construction administration of an ACEC Arizona Honor Award-winning steel truss pedestrian bridge over Wet Beaver Creek in the Lake Montezuma community. Project work included scoping of various structure types, cost and design impacts, structural renderings, and a public involvement program to garner consensus on a publicly approved alternative. Final design included bridge, walls, and sidewalk plans as well as drainage reports, FEMA and USACE concurrence for floodplain and wetland impacts, scour analysis, environmental permitting including a jurisdictional delineation, cultural resource study, and a nesting bird clearance for the southwest willow fly catcher.



Completed pedestrian bridge



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

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

a. TITLE AND LOCATION (City and State) Upper East Fork Cave Creek Area Drainage Master Study Update (ADMSU), Phoenix, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable) N/A

23. PROJECT OWNER'S INFORMATION

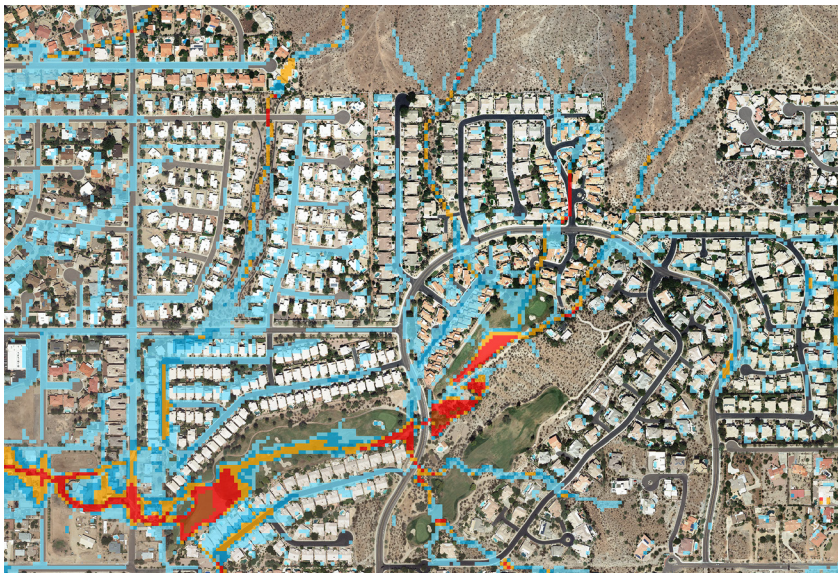
c. PROJECT OWNER Flood Control District of Maricopa County	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$580,000	e. TOTAL COST OF PROJECT Ongoing
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

The ADMSU will identify existing flood/drainage problems and feasible mitigation options using a regional FLO-2D model that accurately represents existing conditions and can simulate alternative scenarios. These scenarios may include various mitigation strategies such as low impact development/green infrastructure practices. The 27-square-mile study area is located in the densely developed area of north Phoenix. Atkins is completing highly complex, regional FLO-2D modeling that reflects urbanized study area characteristics such as several regional channels and detention basins; flow diverting property walls and building footprints; several large storm drain networks (trunk lines, laterals, manholes, inlets, etc.); hundreds of hydraulically significant culverts; roadway conveyance, including significant one-dimensional flow via numerous inverted crown streets; and sediment-laden flow from mountain preserves. FLO-2D modeling is being performed using a grid comprising elements measuring 20-foot-by-20-foot, totaling nearly 1.9 million grid elements.

FLO-2D modeling provides the client detailed hydrologic and hydraulic characteristics such as flow rate, depth, and velocity every 20 feet across the entire study area. Modeling results will be used for inundation mapping, hazard and risk assessment, and development of flood mitigation alternatives.

The study is scheduled to be completed mid-2016.



FLO-2D modeling for 100-year flood depths



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

a. TITLE AND LOCATION <i>(City and State)</i> On-Call Traffic Engineering Services Maricopa County, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Maricopa	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT Varied by task order	e. TOTAL COST OF PROJECT Varied by task order
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Atkins provided on-call traffic engineering services including plans, specifications, and estimates (PS&E). Specific project tasks included traffic engineering studies and reports, traffic impact analyses, traffic/transportation engineering research and operational analyses, development and formulation of traffic engineering policies and procedures, safety improvement studies, and training related to traffic engineering topics. Atkins provided signal designs for numerous intersections in Maricopa County including:

- Baseline Road/67th Avenue Intersection Improvements and Traffic Signal PS&E
- MC 85/Baseline Road Intersection Improvements and Traffic Signal PS&E
- Union Hills/99th Avenue Traffic Signal Upgrade PS&E
- Olive Avenue/Reems Road Intersection Improvement Alternatives Study and 40 percent PS&E
- Olive Avenue/Sarival Road Intersection Improvement Alternatives Study and 40 percent PS&E
- Maricopa County Multiuse Path Crossings Standards Development
- Maricopa County School Zone Crossing Policy and Procedure
- Maricopa County Work Zone and Special Event Traffic Control Manual



Union Hills/99th Avenue traffic signal upgrade



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

a. TITLE AND LOCATION <i>(City and State)</i> Queen Valley Flood Control Project Pinal County, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i> 2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Pinal County	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$254,000	e. TOTAL COST OF PROJECT \$318,000 (difference in costs due to value engineering/ROW efforts)
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

This project includes hydraulic analysis, drainage design, and scour mitigation solutions for an undersized channel in a residential development. The design includes 404 permitting, utility relocations, property/right-of-way (ROW) acquisition, erosion control, roadway drainage, improved culvert crossings, and landscape design. Atkins provided alternative analyses and final PS&E, which resulted in a 100-year solution that was less expensive than the previously proposed 25-year solution. The key design concepts increased the flood protection level from the 10-percent-annual-chance to the 1-percent-annual-chance with a substantial cost savings. Extensive communication as well as open space amenities resulted in overwhelming community support.

Atkins provided all ROW and drainage easement acquisition services to the County, including Bureau of Land Management easement acquisition. Atkins also performed a preliminary jurisdictional delineation to receive USACE nationwide permitting approval, which included cultural and biological surveys. The project will result in a letter of map revision after construction to reflect changes to the existing floodplain. Atkins is also performing construction administration services.

Challenges included at-risk residential parcels, which were acquired to improve channel design and protection level to reduce risk to the community with favorable community support. In addition, utility conflicts were solved with cost-saving relocation designs.



Queen Valley flood control improvement area



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6. ADDITIONAL INFORMATION

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We recognize that our most important role is to help our clients achieve their agency goals by building synergistic relationships that result in award-winning projects. The experience of our Arizona-registered personnel, combined with our ability to draw upon regional, national, and international resources and expertise, establishes Atkins as the firm with the knowledge, skills, and ability to provide comprehensive planning and design consulting services for any contract awarded from this list.



I. Executive summary

Atkins has served governments, communities, and their people by enriching the quality of everyday life in North America since 1960. With 70 offices and nearly 2,400 employees nationwide, we are consistently ranked among the top U.S. engineering design firms by *Engineering News-Record*. Our multidisciplinary capabilities allow us to develop project teams with broad-based experience that facilitate efficient project management and reduce time, costs, and risks for our clients. Because the technical resources of the entire firm are available to all Atkins divisions and offices, we are able to bring world-class technology to every project—big and small—to plan, design, and enable solutions.

Our Phoenix office features engineers and technical support staff with expertise in transportation, construction, environmental, planning, transit, drainage, utilities design, water resources, water/wastewater, and GIS. Our history of completing projects on schedule and within budget accounts for much of our repeat business.

Atkins has served many local government agencies including the Arizona Department of Transportation (ADOT); the counties of Maricopa, Pinal, Yavapai, Coconino, Navajo, Mohave, and La Paz; and several cities/towns throughout the Phoenix metropolitan area. We are also serving a number of rural communities including Casa Grande, Maricopa, Quartzsite, Parker, Lake Havasu City, Bullhead City, Kingman, Prescott, and Cottonwood. We also often interact with the Arizona Department of Environmental Quality (ADEQ), Arizona Department of Water Resources (ADWR), Arizona State Land Department (ASLD), Arizona State Parks (ASP), Arizona Game and Fish Department (AGFD), and the Water Infrastructure Financing Authority (WIFA).



Atkins Phoenix office



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Annual Professional Services List experience and staffing

Atkins has the ability to meet all contract needs for projects resulting from this annual services list. As project demands dictate, we can supply additional technical and support personnel by calling upon resources in our other offices, including Henderson, Nevada. We understand how to minimize costs to the client and control expenses when staff travel may be required.



Our offices are electronically networked, providing efficient communication and transfer of information. Our proven ability to form geographically dispersed teams enables us to provide quick, efficient, and responsive services. Atkins' depth of resources and technical capabilities, coupled with our established local knowledge and relationships, will result in a successful capital improvement endeavor.



Recognizing the variable nature of this assignment, Atkins has designated Jim Martin to serve as contract manager and project manager. This organization will provide you with the personal attention of a dedicated point-of-contact, while affording you the consistency and accountability of an overall contract manager. Mr. Martin is readily available to agency staff to oversee our contract, ensure adequate resources, and manage project assignments so that quality goals are met and tasks are completed on time.



With Atkins on your team, you can begin work immediately and stay on schedule. We manage numerous projects with multiple priorities on a regular basis. We assess our workload weekly to determine the appropriate allocation of resources.



Cooperating agencies

Atkins recognizes that cooperating agencies may fulfill their consulting service needs by drawing from the ADOA list of qualified firms. By doing this, the agencies can save the costs and aggravation associated with procuring and administering the consultant selection process. As a multidisciplinary firm, Atkins has performed professional services for many of the COOP members. If selected for the Annual Professional Services list, Atkins will leverage our relationships with COOP members to promote the benefits of using the ADOA contract for their consultant service needs.

Exceptions to the contract

We have performed a legal review of the Department's boilerplate contract and have no exceptions to the language or requirements stated. If awarded a task order contract, we will discuss and partner with the Department on any special contract requirements related to the task.

From major transportation and public works projects to recreational facilities, mixed-use communities, and industrial and governmental complexes, Atkins assists in all elements of support infrastructure. Through planning and engineering, we help develop an idea into a functional program or facility. Our most important role is to serve as an extension of our clients' staff, building relationships that result in successful, award-winning projects.



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II. Firm areas of specialization, locally and/or nationally

Atkins has played a major role in the unique and dynamic growth in the West Region. We have provided consulting services on diverse public and private projects including gas, water, and sewer pipelines; hydraulic and hydrologic engineering analyses; stormwater planning and flood control facility design; commercial and residential land development; urban arterial and freeway planning, roadway design, and traffic engineering; environmental/biological assessments and permitting; and construction management and inspection services. Our specific services include:

Transportation

- Planning
- Roadway design
- Corridor studies
- Traffic design
- Toll services
- Intelligent transportation systems
- GIS
- Bridge design
- Right-of-way acquisition
- Construction management
- Land surveying
- Design-build
- Transit

Water/wastewater

- Water and wastewater pipelines
- Wastewater treatment
- Water supply
- Water treatment
- Wastewater supply

Water resources

- Hydrology/hydraulics
- Flood control
- Floodplain delineation
- FEMA floodplain mapping
- Letters of map revision
- Conditional letters of map revision
- Water quality reports

Environmental studies

- Environmental impact statements
- Cultural resources
- Habitat/wildlife assessments
- NEPA permitting
- Geology
- Air quality management
- Hazardous materials and solid waste management
- Environmental management plans

Design/civil engineering

- Site engineering and infrastructure
- Planning and urban design
- Landscape architecture
- Architecture
- Value engineering
- Electrical studies



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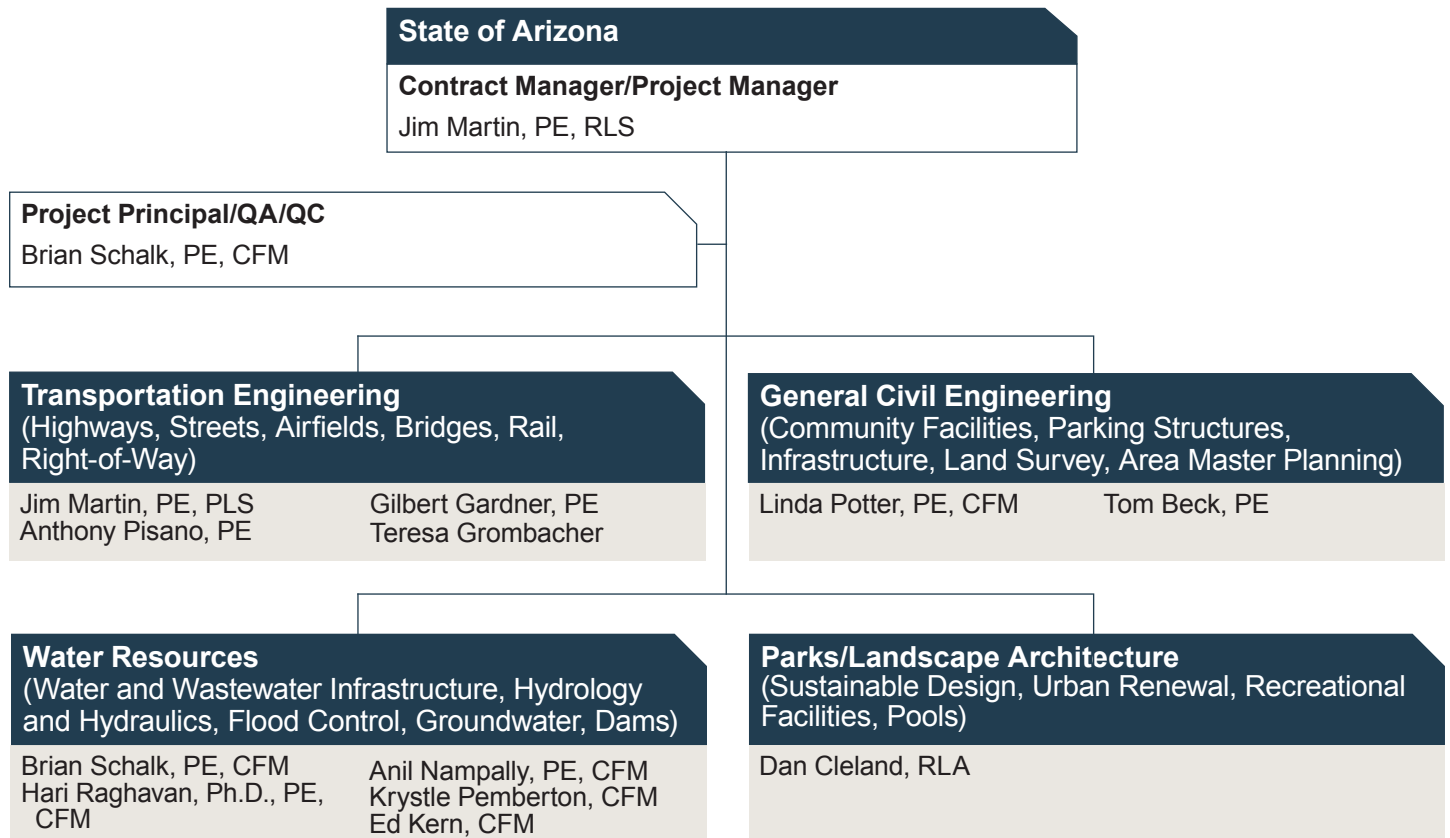
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III. Engineering services

Atkins’ engineering practice was founded on the principles of integrity, reliability, and client service. With more than 55 years of experience, we understand the need to work within budget and schedule and we have a reputation for going beyond expectations to meet our clients’ goals. Our employees are encouraged to participate in in-house training and programs that cultivate a culture of self-improvement, technical excellence, and entrepreneurship, which ultimately serves as a benefit to our clients. Brief service capabilities, service leader biographies, and an organizational chart of our full team follow.

Team organization





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A. Transportation engineering

Atkins' transportation professionals are experienced in developing engineering solutions for transportation and traffic projects from the initial stages of planning through final design and construction. We specialize in the interaction of vehicular and pedestrian movement integration; pedestrian studies, design element development, and guidelines; parking studies; travel demand modeling; and complex traffic signal design and timing applications for single intersections and multiple-sectioned systems. Our experience encompasses all rural and urban aspects of our clients' transportation needs. In addition to the transportation services listed in Section II, Atkins provides the following services:

- Traffic engineering studies and analysis
- Traffic signal and signal system design
- ITS and traffic operations
- Program management
- Travel demand forecasting
- Travel demand modeling
- Data collection
- Roadway design
- Right-of-way delineation and acquisition
- Transportation planning
- Public transit planning and design
- Construction management
- Bridge engineering
- Rail freight and transit

B. General civil engineering

Atkins' civil engineering services group offers expertise in a diverse range of specialized areas including site development, feasibility studies, utilities assessment and acquisition studies, site/civil engineering design, and permitting. From initial regulatory approvals to permitting and from civil design to project management, Atkins' team of professionals brings significant technical expertise to a wide range of retail/commercial, office, residential, institutional, resort, light industrial, mixed-use, and other projects. Our civil engineering services include:

- Regulatory compliance and permitting
- Site suitability studies
- Master infrastructure engineering and planning
- Site engineering
- Value engineering
- Multi-use facilities
- Program management
- Disaster planning and response
- Urban design
- Commercial and retail development
- Residential development
- Facility assessments
- Educational and institutional facilities
- Program management
- Code review and interface/coordination



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C. Water resources

Atkins' expertise in water resources encompasses all facets of surface water management including floodplain analysis and protection, drainage, environmental considerations, erosion control, stream restoration, and watershed planning. Our capabilities and experience cover the full spectrum from project planning through engineering design, evaluation studies, construction, and operations. This depth of experience allows Atkins to offer turnkey services, providing both time and cost savings through a coordinated and integrated team approach, whether for a small, specialized drainage study or a large, multidisciplinary water resources project.

Atkins draws upon its wide range of expertise to assist communities in developing, prioritizing, funding, and implementing capital improvement programs that emphasize multi-objective management solutions to address flooding, water quality, environment, and permit requirements. Our team of hydrologists, environmental scientists, civil engineers, regulatory specialists, and geologists works together to provide integrated solutions for the effective management of water resources.

Through participation on rule-making and advisory committees and ongoing involvement with the regulatory process at the local, state, and national levels, Atkins' water professionals are experts in current regulatory standards. In addition to their expertise, our staff members maintain and use cutting-edge technology and innovation to solve today's environmental challenges. We have successfully integrated information technologies with asset management and complex regulatory permits. Our new computer models have withstood regulatory scrutiny in areas where no standard previously existed.

Atkins' flood control capabilities include:

- Bridge hydraulics
- Drainage capital improvements
- FEMA
- Flood mapping and flood control
- Flood hazard management
- Floodplain studies and mapping
- H&H analyses
- Integrated water resource planning
- Levee review/FEMA Memo 34
- Master drainage plans
- National Pollutant Discharge Elimination System permitting
- Stormwater best management practices

Atkins offers a range of water/wastewater engineering capabilities, including experience in Arizona and high-density communities nationwide. This experience includes the design of more than 120 wastewater treatment plants in the United States ranging in size from less than 1 million-gallons-per-day (mgd) processing capacity to more than 100 mgd and incorporating a variety of innovative technologies and advanced processes. From preliminary engineering through construction, we have the in-house resources to support the implementation of even the most complex wastewater programs.

We draw from our multidisciplinary staff of civil; environmental; chemical; instrumentation; electrical; structural; and heating, ventilation, and air conditioning (HVAC) engineers to form project teams with the experience and qualifications to complete each job efficiently and effectively, in accordance with each client's needs. Our plans and specifications provide the clarity that facilitates close bidding and the detail necessary for contractors to correctly build facilities. We pay close attention to construction materials and the quality of mechanical equipment to lower lifecycle costs.



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Our expertise also includes system modeling and energy efficiency evaluations, detailed rehabilitation design, and construction management services.

Atkins has provided the following engineering services for Arizona municipal utilities:

Water

- Reservoirs
- Pipelines
- Pump stations
- Hydraulic modeling
- Master planning

Wastewater

- Pump stations
- Sewers and force mains
- Treatment facilities
- Hydraulic modeling
- Master planning

D. Landscape architecture: parks, urban design, and native restoration

Atkins' landscape architects and urban planners provide a wide range of professional services in the design and restoration of the southwest environment. Our expertise encompasses all phases of landscape architectural/urban project development including initial plant inventory, plant harvesting and protection, conceptual design, hardscape planting, irrigation design, and construction inspection. Projects include park and recreation design, sports facilities, urban streetscape and redevelopment, department of transportation corridor aesthetic analysis and theming, drainage analysis/plant restoration, rural and urban streetscape design, and native plant restoration. Atkins' team of professionals brings significant technical expertise to a wide range of park and recreation, education, rural and urban corridors, resort, habitat preserves, and other projects. Our landscape architectural and planning services include:

- Native plant material inventory, mitigation, and evaluation
- Site vegetation analysis and native habitat studies
- Master planning, park recreation facility and trail planning and design
- Project identification monument and signage site amenities
- Site furnishings, plaza, and splash pad design
- Site visualization graphics and imagery
- Multi-use sports facilities design
- Native plant material/nursery program management
- Corridor aesthetics viewshed analysis
- Urban design streetscape design and placemaking
- Commercial, retail, and residential development
- Natural trails, equestrian, and camping facilities
- Outdoor native classroom design and educational and institutional facilities
- Water conservation and sustainable design
- LEED and low impact development principles



6. ADDITIONAL INFORMATION

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IV. Relevant project experience

Highway Safety Improvement Program (HSIP) Grant Applications, La Paz County Public Works, La Paz County, Arizona

Atkins developed project assessments and supporting HSIP applications for ROW fencing along Salome Highway and guardrail installations along a 20-mile segment of Alamo Road. Due to cost-benefit ratios below FHWA acceptance criteria, predictive modeling for crash data was used for the Alamo Road project and a systematic approach was used for Salome Highway. This work was very closely coordinated with FHWA, ADOT, and the Western Arizona Council of Governments (WACOG) to obtain eligibility status from FHWA. The projects are currently awaiting WACOG TAC approval to be placed on the TIP.

Dysart/Thunderbird Roads Traffic Interchange (TI) Construction Management, City of El Mirage, Arizona

Atkins provided construction management services for this \$1.9 million project to reconstruct an intersection to arterial standards. The intersection has a railroad track diagonally across it, which required construction phasing of both traffic and railroad signals. The project includes undergrounding major utility lines and boring 24-inch conduits under the railroad. It also includes road widening; duct banks and manholes; water line relocation; street lighting; traffic signal installation; concrete curb, gutter, and scuppers; catch basins; sidewalk; landscaping; retention basins; and drywells. Our services include construction management, constructability reviews, quality assurance, contractor schedule analysis and progress monitoring, claim analysis, material testing, and inspection.



New River Road Corridor Improvement Study, Maricopa County Department of Transportation, Maricopa County, Arizona

Atkins prepared a corridor improvement and access control study for a 10-mile segment of New River Road, linking I-17 to Carefree Highway. The project included a detailed evaluation of alternatives, study of numerous issues, and development of an implementation plan and access control guidelines.

MC 85 and Baseline Road Intersection Improvements, MCDOT, Phoenix, Arizona

Atkins prepared the alternatives analysis and final plans, specifications, and estimates for improvements to the intersection of MC 85 and Baseline Road near Buckeye. The existing T intersection is controlled by a stop sign on Baseline Road and provides no dedicated left-turn lanes on MC 85. Across from the Baseline Road approach are multiple driveways on the south side of MC 85 that provide access to commercial/retail and industrial uses. Recognizing the safety issues and increasing traffic volumes through this intersection, Atkins evaluated multiple improvement alternatives.

Porter Road HAWK Pedestrian Beacon Design Services, City of Maricopa, Arizona

Faced with the need for elementary school students to safely cross Porter Road, Atkins designed a two-phase improvement plan for the intersection of Porter Road and Alan Stephens Parkway. Phase I was the design of a hybrid pedestrian beacon (also referred to as HAWK) for activated pedestrian crossings. Phase II included the modification and extension of the Phase I plans to provide full intersection signalization (when warranted). The Atkins team provided surveying, utility potholing, design, special provisions, cost estimates, and bid documents for this first-ever installation in the city.





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Wastewater System Improvements Design and Construction Administration, Bullhead City, Arizona

Under a multiyear on-call contract, Atkins is serving as Bullhead City’s wastewater engineer providing study, design, and construction administration services for wastewater lift station rehabilitation, upgrade, decommissioning, and new construction as well as sewer collection system rehabilitation and expansion, and wastewater treatment plant additions, modifications, and improvements.



Section 208 Plan Update and Wastewater Master Plan. Atkins prepared a comprehensive Section 208 Update and wastewater master plan. The update addresses current and future wastewater collection, treatment, reuse, and disposal needs for Bullhead City’s current city limits and service area. The new master plan included updated wastewater flow forecasts reflecting the changing economic conditions. The master plan included a new highly calibrated sewer model in InfoSWMM software to evaluate hydraulic capacity in the sewer collection system, including lift station operations and optimization of the existing collection system.

Lift Stations 10-1 and 10-4 Design and Construction Support Services. The first projects under this contract include design of two new lift stations to replace existing facilities, which will be located on the existing sites, and odor control improvements at a third lift station. The lift station projects include wet well structures, piping, force main connections, demolition of structures to be abandoned, modification of existing lift station structures to be retained, electrical power/controls, odor control, grading, gating, and concrete block walls.

West Branch Trunk Sewer Assessment and Rehabilitation Recommendations. As part of the 208 Plan update, the City video-inspected this trunk sewer and Atkins performed a condition assessment and made recommendations for immediate rehabilitation needs. The system included 10,000 feet of existing 36-inch and 42-inch-diameter T-lock lined reinforced concrete pipeline that was installed in 1990.

Lake Havasu City Wastewater System Expansion (WWSE), Lake Havasu City, Arizona

Atkins has provided a variety of wastewater services to the City of Lake Havasu City (contracting agency) since 2009. Representative services have include:



WWSE CIP, Design, and Construction Management. Atkins completed design and performed construction management of the last two phases of the WWSE Program (Trotwood and Mockingbird projects), which included conversion of 3,400 properties from septic to sewer systems, and 170,000 feet of new sewer mains. Odor and hydrogen sulfide generation analysis completed for these areas resulted in cost savings due to removal of drop manholes, and recommendations for system improvements to reduce hydrogen sulfide generation. We also provided construction management for the Chemehuevi area including inspection, engineering, and administration. Atkins completed design and obtained ADEQ approval within 9 months of contract award.

WWSE Engineering Oversight. Atkins performed a technical review and assessment of the sewer master plan, including review of the new InfoWorks dynamic hydraulic sewer model and oversight engineering services for the WWSE program. The project goal was to review the completed planning work and identify cost savings and refinement opportunities.

As a technical resource for the City, Atkins reviewed the model and previous planning work, and addressed concerns raised by the community. This effort included review of design criteria, pumping systems, and surcharge issues; evaluation of treatment plant options; and participation in workshops with the City Council. Atkins’ evaluation of the current system revealed that it had adequate treatment and conveyance capacity for 20 years, resulting in significant savings to the community by deferring tens-of-millions of dollars in unnecessary capital projects.



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Lake Havasu City Water System Improvements, Lake Havasu City, Arizona

Atkins has provided a variety of water services to the City of Lake Havasu City (contracting agency) since 2009. Representative services have included:

Tank 6A, Water Booster Station 5A, Water Booster Station 1B, and Water Main Improvements.

Atkins was recently selected to provide design services for Site 6A reservoir, Booster Pump Stations 5A and 1B, as well as tank rehabilitation support and small-diameter pipeline replacement projects. The City’s 2007 Water Master Plan identified these projects as a high priority due to the existing stations being more than 40 years old, undersized and inefficient, and requiring a high level of maintenance. These projects will improve the water transmission and distribution systems, enhance pump station efficiency, and add redundancy across water pressure Zones 4 and 5.



Zones 4 and 5A Water System Improvements. Atkins designed water system improvements at four locations including Zones 4 and 5A reservoir tanks. The project included adding a 0.75-mg tank to the Site 5A reservoir and a 1-mg tank to Site 4. Atkins also prepared an environmental information document for construction of new water pump stations 1, 4, and 5A, which included obtaining state land permits. Tasks included design of a new pipeline crossing of El Dorado wash and new water transmission main in McCulloch Boulevard.

Water System Model and CIP Update. Atkins developed an updated hydraulic model with a higher level of calibration to validate and refine major CIP projects, such as pump station upgrades and reservoir expansions, and to evaluate operational enhancements and potential energy savings. The H2OMap hydraulic model was updated with recent water facility additions, revised operational settings, and average day demands. Upon completion of the update, Atkins provided model training to City staff and presented recommendations to City Council.

Booster Pump Station No. 1 Design and Construction Management. Atkins provided the City’s upgrades to Booster Pump Station No. 1—one of the City’s vital pump stations. The project upsized the three existing 1,400-gpm vertical turbine pumps to four 1,400-gpm pumps. A shade structure, electrical enclosure, and site retaining walls were also designed. The existing pump station was on a site with two steel tanks adjacent to Pima Wash, which had experienced extensive degradation. Atkins also provided construction management and cost estimates. A diesel emergency generator was provided at the site as a replacement for the existing gas-powered generator. A new pre-cast electrical building was erected at the site to house the motor control center and programmable logic controller.

67th Avenue at Salt River, MCDOT, Phoenix, Arizona

Atkins developed solutions for crossing the Salt River at 67th Avenue, located between Broadway Road and Southern Avenue. The Salt River flows had necessitated frequent closures of 67th Avenue, causing traffic disruptions and costly repairs and maintenance. The Atkins team reviewed and evaluated studies and drainage information (including site visits), developed candidate alternatives based on previous findings, and prepared and submitted a report outlining findings and depicting the preferred alternative. This optimum alternative will create a cost-effective, improved low-flow crossing that can handle higher discharges from Granite Reef (diversion dam located on the Salt River) to help avoid roadway overtopping.





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Town of Quartzsite On-Call Water and Wastewater Services, Quartzsite, Arizona

Atkins’ services to the Town of Quartzsite (contracting agency) have included:

Water and Wastewater Master Plan. Atkins prepared a water and wastewater master plan update for the Town, which experiences large seasonal influx of tourist populations in the winter months. This influx puts severe pressure on the Town’s water distribution and sewer collection facilities. To alleviate concerns, Atkins provided a master plan update evaluating these seasonal impacts and identifying CIP projects that will strengthen the reliability of the water distribution system and consider expanding the sewer system to areas currently on a septic system. The plan includes development of an InfoWATER hydraulic model and analyses of the Town’s water system vulnerabilities, including emergency operation scenarios such as maximum day plus fire and unplanned well shutdowns. This project also included an evaluation of the Town’s Colorado River water allocation and potential beneficial reuse customers.



Wastewater Treatment Plant and Pipeline Design. Atkins provided project management and value engineering for redesign and upgrade of the Quartzsite Wastewater Treatment Plant. Atkins coordinated the upgrades with the approved 208 plan. The redesign increased plant capacity from 0.45 mgd to 0.9 mgd, reduced the prior design engineer’s estimated construction cost by \$1 million, and provided for a more energy-efficient operation that is estimated to reduce energy costs by approximately \$50,000/year. Atkins staff designed the pipeline and manhole protection for the plant expansion project that included protection of nearly 30 manholes in Tyson wash, which contributed to infiltration and inflow problems in the collection system. Atkins designed lift station upgrades, a 1-mile waterline extension, and two sewer line extensions. Atkins also facilitated obtainment of a USDA Grant and Loan and WIFA financing.

Drainage Master Plan. Atkins prepared a conceptual drainage master plan for a portion of the town that is subject to flooding from runoff from the Plomosa Mountains, and contains distributary flow patterns typical of an arid southwest alluvial fan environment. Detailed HEC-1 hydrologic modeling was performed for the flooding sources of Plomosa wash, Plomosita wash, and Scaddan wash. FLO-2D modeling was used to determine flow splits for input into the HEC-1 model. Conceptual solutions to solve flooding problems were presented, along with potential funding sources including a FEMA Cooperative Technical Partnership grant for additional analyses and improved floodplain mapping.

Key design features included improvement of an existing detention basin to provide additional storage capacity and underground storm drain systems. Challenges included thousands of recreational vehicles temporarily located in the watershed, many in flood hazard areas. This issue was addressed with notification and flood warning options.

Pinal County Santa Rosa Levee, Pinal County, Arizona

The Santa Rosa Levee is an above ground embankment that contains flood flows from the Santa Rosa Wash, part of the complex Santa Cruz River system. The levee is recognized by FEMA as providing protection from the base flood. Atkins provided data collection pertaining to the accreditation, design, and construction of the levee including an analysis against 44 CFR 65.10, FEMA regulations, and ACIP criteria. Biannual levee inspections are performed by Atkins. Extensive hydraulic modeling of the wash using HEC-RAS and HEC-GeoRAS was performed. Additionally, a flood response plan was prepared that includes a levee breach analysis using unsteady-state HEC-RAS modeling and FLO-2D inundation limits. The FLO-2D model includes an urbanized area where streets are an important corridor for flow with a grid size of 30 feet.





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Drainage System Improvements, Lake Havasu City, Arizona

Atkins designed five improved culvert wash crossings including large, four-barrel, 6- by 10-foot box culverts and smaller, multiple-barrel, 36-inch pipe crossings. The flows were confirmed for each of the washes and the final designs will be in conformance with Mohave County drainage standards. The Swanson Avenue crossing of Pima wash had an expedited design time due to community concerns with the existing pedestrian crossing. The design is on track to be completed in 2.5 months. The City desires that Swanson Avenue be open to two-way traffic throughout construction, which added phasing and grading challenges. The project included gabion retaining walls in some areas with lower velocities to match aesthetics. Significant improvements to pedestrian safety were accomplished through modifications to the pedestrian path. The box was extended nearly 150 feet upstream to work toward ultimately enclosing the Pima wash between McCulloch Boulevard and Swanson Avenue. Other crossings included Eldorado wash at Eldorado Drive and Bermuda Avenue, one of which is a critical emergency access; Mockingbird wash at Oro Grande Boulevard; and Willow wash at Lake Havasu Avenue. The Willow wash crossing was challenging due to an adjacent electrical substation and fire station, as well as potentially split flow upstream that had not been properly considered in the past due to roadway improvements.



Pyramid Way-McCarran Boulevard Intersection Improvements, Washoe County, Nevada

To alleviate severe congestion and safety issues caused by travel demand and growth, project improvements will include widened turn lanes, pedestrian and bicycle facilities, and a reconfigured intersection. Atkins is providing acquisition, relocation, and right-of-way related services for 70 parcels in Phase 1 that include owner- and tenant-occupied residential properties, a church, and commercial buildings with business tenants; as well as 54 partial fee, utility, and temporary easement acquisitions in Phase 2. Atkins is also providing utility engineering, possible construction manager-at-risk delivery support, and public outreach support.



Project NEON, Phase I, Nevada Department of Transportation, Las Vegas, Nevada

Project NEON is a freeway improvement project addressing short-term and long-term transportation needs for the I-15 corridor. Atkins' role in Phase I included a continued outreach program, right-of-way engineering, legal description and map preparation, title and appraisal management, property acquisition, relocation assistance, utility relocation, and property management functions. Atkins acquired 26 commercial and residential properties, two permanent easements, two cell towers, and a billboard; and provided relocation assistance services for residential owners and tenants, businesses, and over 1,300 storage unit tenants.





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V. Quality control process

Atkins actively and enthusiastically pursues quality performance and continuous quality improvement in all that we do. QA/QC is an important aspect of every project we undertake. We also strive to improve and adhere to the business processes we use to develop our products and services. As we pursue these goals, we are ever mindful that excellence is ultimately defined not by us but by you, our client. At Atkins, excellence begins with each of us.

Combining elements of QA/QC, the Atkins quality process formalizes our methods of bringing high-value products and services to our clients. Three key activities comprise our QA/QC process:

- Having a plan
- Following the plan
- Monitoring the plan

The Atkins QA/QC program requires that project managers document how a project will proceed by developing a project control plan, consisting of the following elements:

- Project description with notation of special project issues
- Detailed scope
- Schedule with tasks, milestones, deliverables, and staffing/production plans
- Budgets
- Billing plans
- Communication plans
- Document control plans (electronic and hard copy)
- Internal kickoff meeting agenda and minutes
- A QC plan

Every project is unique. We will apply our consistent, proven QA/QC process throughout the project life cycle in a manner specific to each project. The assigned project manager, responsible for process application, is empowered to apply proper monitoring tools to each specific situation. In this way, we ensure that key parameters (such as scope, schedule, and budget) are managed effectively.

VI. Work location

Atkins has offices in Phoenix, Arizona; Henderson, Nevada; and several California locations. All projects will be coordinated through our Phoenix office and delegated to the proper office by location requirements and expertise.



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VII. Conclusion

Atkins offers fully qualified, competent, credentialed, experienced, and proven team members.

- We have experience supporting numerous similar projects
- We offer qualified engineers and a cadre of support specialists
- We offer well credentialed personnel committed to your needs
- We are motivated and ready to start work
- We offer conclusively demonstrated diversified and specialized expertise
- We have established working relationships with all local agencies

Atkins is serious about schedules.

- Schedules are crucial to total quality management of our services
- Products and services must and will be delivered on time
- Atkins stands firmly and proudly on its professional services performance—our repeat client track record is testimony to client satisfaction of product, and services
- Our cost estimating accuracy parallels design accuracy in importance for each project

Atkins offers the requisite criteria for your project success.

- Commitment to on-time delivery of products and services
- Staff availability
- Expertise and experience
- Vested interest
- Dedicated team

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:	92%
b.	Percentage of Total Work Attributable to Non-Government Work:	8%

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

Signature: Justin Jones

Date: 12/21/2015

Name: Justin Jones, PE

Title: Senior Vice President