

**DEFINITIONS**

**Architect Services, Engineer Services, Land Surveying Services, Assayer Services, Geologist Services and Landscape Architect Services:** Those professional services within the scope of the practice of those services as provided in ARS § 32-101.

**Branch Office:** A geographically distinct place of business or subsidiary office of a firm that has a key role on the team.

**Discipline:** Primary technical capabilities of key personnel, as evidenced by academic degree, professional registration, certification, and/or extensive experience.

**Firm:** Defined in ARS § 32-101(B.19.).

**Key Personnel:** Individuals who will have major contract responsibilities and/or provide unusual or unique expertise.

**SPECIFIC INSTRUCTIONS:**

1. Complete this form for each branch office seeking work under this RFQ.
  - a. – e. **Firm (or Branch Office) Name and Address.** Self-explanatory.
  - f. **Year Established.** Enter the year the firm (or branch office, if appropriate) was established under the current name.
  - g. **Ownership.**
    - (g1). *Type.* Enter the type of ownership or legal structure of the firm (sole proprietor, partnership, corporation, joint venture, etc.).
    - (g2). *Small Business Status.* A firm is a small business if the firm has less than 100 employees **or** has gross revenues of \$4 million or less.
  - h.-j. **Point of Contact.** Provide this information for a representative of the firm that the Customer can contact for additional information. The representative must be empowered to speak on contractual and policy matters.
  - k. **Name of Firm.** Enter the name of the firm.
2. **Employees by Discipline.**
  - a. Select disciplines from the List of Disciplines (Function Code) listed on Page 3 of 4 Instructions. For employees that do not qualify for any of the disciplines, select Other. *Note: The intended searchable database indicated in the RFQ will be populated from the Qualifications Form I Excel attachment only.*
  - b. Each person can be counted only twice; once for his/her primary function and once for his/her secondary function. Primary and secondary functions should be indicated by including a "P" or an "S" in column b after the Description Title is given.
  - c-d. If the form is completed for a firm (including all branch offices), enter the number of employees by disciplines in column c. If the form is completed for a branch office, enter the number of employees by discipline in column d and for the firm in column c.
3. **Profile of Firm's Experience and Annual Average Revenue for Last Year.**
  - a. Enter the approximate number of projects the firm (or branch) has done attributable by Profile Code listed on Page 3 of 4 Instructions over the last year.
  - b. Enter the appropriate Profile Codes from Instructions Pages 3 of 4 that represent the type of work the firm (or branch) has done over the last year.
  - c. Using the Revenue Index Number on Page 3 of 6 Form, indicate the approximate revenue the firm has

earned over the last year per Profile Code entered into the table.

4. **Resumes of Key Personnel Proposed for This Contract.** Complete this section for each key person who will participate in this contract.
  - a. Self-explanatory.
  - b. Self-explanatory
  - c. Total years of relevant experience (block c1), and years of relevant experience with current firm, but not necessarily the same branch office (block c2).
  - d. Name, City and State of the firm where the person currently works, which must correspond with one of the firms (or branch office or a firm, if appropriate) listed in Section 1.
  - e. Provide information on the highest relevant academic degree(s) received. Indicate the area(s) of specialization for each degree.
  - f. Provide information on current relevant professional registration(s) and in which State(s) they are current.
  - g. Provide information on any other professional qualifications relating to this contract, such as education, professional registration, publications, organizational memberships, certifications, training, awards, and foreign language capabilities.
  - h. Provide information on no more than five (5) projects in the last year which the person had a significant role that demonstrates the person's capability relevant to her/his proposed role in this contract. These projects do not necessarily have to be any of the projects presented in Section 5 for the project team if the person was not involved in any of those those projects or the person worked on other projects that were more relevant than the team projects in Section 5. Use the check box provided to indicate if the project was performed with any office of the current firm. If any of the professional services or construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description and Specific Role.
  
5. **Example Projects Which Best Illustrate Firms Qualification for this contract.** Select project where multiple team members worked together, if possible, that demonstrate the team's capability to perform work similar to that required for this contract. Complete one Section 5 for each project. List no more than five (5) projects.
  - a. Title and Locations of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.
  - b. Enter the year completed of the professional services (such as planning, engineering study, or design), and/or the year completed if construction. If any of the professional services or the construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description of Project and Relevance to This Contract (block f).
  - c. Project Owner or user, such as a government agency or installation, an institution, a corporation or private individual.
  - d. Provide the original budget or not to exceed dollar amount for the project.
  - e. Provide the Total Cost of the Project. If any of the professional services or construction projects is not complete, indicate the percentage complete and whether this project will be on budget, over or under budget.
  - f. Brief Description: Indicate scope, size, and length of project, principle elements and special features of the project. Discuss the relevance of the example project to this contract.
  
6. **Additional Information.** Use this section to provide additional information you feel may be necessary to describe your firm's qualifications for this contract.
  
7. **Annual Average Professional Services Revenues of Firm for Last 3 Years.** Complete this block for the firm or branch office for which this form is completed. In column a, enter an approximate percentage of total work attributable to State, Federal or Municipal Work. In column b, enter an approximate percentage of total work attributable to Non-Government work. Percentages should take into consideration work completed over the last 3 years.
  
8. **Authorized Representative.** An authorized representative of the firm or branch office must sign and date the completed form. Signing attests that the information provided is current and factual. Provide the name and title of the authorized representative who signed the form.

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

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**List of Disciplines (Function Codes) for Question 7**

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Aeronautical Engineer	Environmental Engineer	Mining Engineer
Agricultural Engineer	Environmental Scientist	Nuclear Engineer
Archeologist	Fire Protection Engineer	Petroleum Engineer
Architect	Geodetic Surveyor	Photogrammetrist
Architectural Engineering	Geographic Information System Specialist	Project Manager
Biologist	Geological Engineer	Sanitary Engineer
CADD Technician	Geologist	Soils Engineer
Chemical Engineer	Hydrographic Surveyor	Structural Engineer
Civil Engineer	Hydraulic Engineer	Technician/Analyst
Construction Manager	Hydrologist	Transportation Engineer
Construction Inspector	Industrial Engineer	Water Resources Engineer
Control Systems Engineer	Landscape Architect	
Cost Engineer/Estimator	Mechanical Engineer	
Ecologist	Metallurgical Engineer	
Electrical Engineer		

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**List of Experience Categories (Profile Codes for Question 8)**

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Acoustics, Noise Abatement	Dredging Studies and Design
Aerial Photography; Airborne Data and Imagery Collection and Analysis	Design & Planning Structured Parking Facilities
Activity Centers	Detention Security Systems
Air Pollution Control	Disability / Special Needs
Airports; Navaids; Airport Lighting; Aircraft Fueling	Ecological and Archeological Investigations
Airports; Terminals and Hangars; Freight Handling	Educational Facilities; Classrooms
Agricultural Development; Grain Storage; Farm Mechanization	Electrical Studies and Design
Animal Facilities	Electronics
Anti-Terrorism/Force Protection	Elevators; Escalators; People-Movers
Area Master Planning	Energy / Water Auditing Savings
Auditoriums and Theaters	Energy Conservation; New Energy Sources
Automation; Controls; Instrumentation	Environmental Impact Studies, Assessments or Statements
Barracks; Dormitories	Fallout Shelters; Blast-Resistant Design
Bridge Design: Bridges	Fire Protection
Cartography	Fisheries; Fish Ladders
Cemeteries ( <i>Planning and Relocation</i> )	Forensic Engineering
Chemical Processing and Storage	Garages; Vehicles Maintenance Facilities; Parking
Child Care/Development Facilities	Gas Systems ( <i>Propane; Natural, Etc.</i> )
Codes; Standards; Ordinances	Geodetic Surveying: Ground and Airborne
Cold Storage; Refrigeration and Fast Freeze	Heating; Ventilating; Air Conditioning
Commercial Building ( <i>Low Rise</i> ); Shopping Centers	Highways; Streets; Airfield Paving; Parking Lots
Community Facilities	Historical Preservation
Communications Systems; TV; Microwave	Hospital and Medical Facilities
Computer Facilities	Hotels; Motels
Conservation and Resource Management	<i>Housing (Residential, Multi-Family; Apartments; Condominiums)</i>
Construction Management	Hotels; Motels
Construction Surveying	Hydraulics and Pneumatics
Corrosion Control; Cathodic Protection Electrolysis	Hydrographic Surveying
Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	Industrial Buildings; Manufacturing Plants
Cryogenic Facilities	Industrial Processes; Quality Control
Construction Materials Testing	Industrial Waste Treatment
Dams ( <i>Concrete; Arch</i> )	Intelligent Transportation Systems
Dams ( <i>Earth; Rock</i> ); Dikes; Levees	Infrastructure
Desalinization ( <i>Process and Facilities</i> )	Irrigation; Drainage
Design-Build - Preparation of Requests for Proposals	Judicial and Courtroom Facilities
Digital Elevation and Terrain Model Development	Laboratories; Medical Research Facilities
Digital Orthophotography	Land Surveying
Dining Halls; Clubs; Restaurants	Landscape Architecture
	Libraries; Museums; Galleries

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REVISED - Attachment I – General Qualifications**

Lighting (*Interior; Display; Theater, Etc.*)  
Lighting (*Exteriors; Streets; Memorials; Athletic Fields, Etc.*)  
Labs - General  
Labs – Research – Dry  
Labs – Research – Wet  
LEED Accredited A/E  
LEED Independent 3<sup>rd</sup> Party Building Commissioning  
Mapping Location/Addressing Systems  
Materials Handling Systems; Conveyors; Sorters  
Metallurgy  
Materials Testing  
Measurement / Verification / Conservation Water Consumption Savings  
Mining and Mineralogy  
Medical Related  
Modular Systems Design; Fabricated Structures or Components  
Mold Investigation  
Museums  
Nuclear Facilities; Nuclear Shielding  
Office Buildings; Industrial Parks  
Outdoor Recreation  
Petroleum and Fuel (*Storage and Distribution*)  
Photogrammetry  
Pipelines (*Cross-Country - Liquid and Gas*)  
Phase I Environmental  
Prisons & Correctional Facilities  
Plumbing and Piping Design  
Prisons and Correctional Facilities  
Product, Machine Equipment Design Pneumatic Structures, Air-Support Buildings Power Generation, Transmission, Distribution Public Safety Facilities  
Radar; Sonar; Radio and Radar Telescopes  
Radio Frequency Systems and Shielding's  
Railroad; Rapid Transit  
Recreation Facilities (*Parks, Marinas, Etc.*)  
Refrigeration Plants/Systems  
Rehabilitation (*Buildings; Structures; Facilities*)  
Research Facilities  
Resources Recovery; Recycling  
Roof Infrared Imaging to Identify Water Leaks

Roofing  
Safety Engineering; Accident Studies; OSHA Studies  
Security Systems; Intruder and Smoke Detection  
Seismic Designs and Studies  
Sewage Collection, Treatment and Disposal  
Soils and Geologic Studies; Foundations  
Solar Energy Utilization  
Solid Wastes; Incineration; Landfill  
Special Environments; Clean Rooms, Etc.  
Structural Design; Special Structures  
Surveying; Platting; Mapping; Flood Plain Studies  
Sustainable Design  
Swimming Pools  
Storm Water Handling and Facilities  
Specifications Writing  
Toxicology  
Testing and Inspection Services  
Traffic and Transportation Engineering  
Topographic Surveying and Mapping  
Towers (*Self-Supporting and Guyed Systems*)  
Tunnels and Subways  
Traffic Studies  
Transportation  
Urban renewals; Community Development  
Utilities (*Gas and Steam*)  
Value Analysis; Life-Cycle Costing  
Warehouse and Depots  
Water Resources; Hydrology; Ground Water  
Water Supply; Treatment and Distribution  
Wind Tunnels; Research/Testing Facilities Design  
Waste Water Treatment Facility  
Water Well Rehabilitation; Water Well Work  
Zoning; Land Use Studies

**RFQ# ADSPO14-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

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

**1. REVISED ADSPO13-00003465: 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:	Arizona
e.	FIRM (OR BRANCH OFFICE) ZIP CODE:	85050
f.	YEAR ESTABLISHED:	1995
(g1).	OWNERSHIP - TYPE:	Corporation
(g2).	OWNERSHIP - SMALL BUSINESS STATUS:	
h.	POINT OF CONTACT NAME AND TITLE:	Doug McCants, Group Manager
i.	POINT OF CONTACT TELEPHONE NUMBER:	480.419.7275
j.	POINT OF CONTACT E-MAIL ADDRESS:	douglas.mccants@atkinsglobal.co
k.	NAME OF FIRM <i>(If block 1a is a branch office):</i>	Atkins North America, Inc.

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

**2. EMPLOYEES BY DISCIPLINE**

Phoenix office

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Construction Inspector	P	147	1
Civil Engineer	P	183	5
Other	P	2,342	12
<b>Total</b>		<b>2,672</b>	<b>18</b>

**RFQ# ADSPO14-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

**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 <i>(see below)</i>
1	Air Quality and Noise Studies	1
2	Airports, Nav aids, Airport Lighting, Aircraft Fueling	2
2	Airports, Terminals, Hangars, Freight Handling	2
1	Bus/Transit Terminals	5
4	Ecological & Archeological Investigations	2
1	Economic Impact & Feasibility Studies	5
2	Energy Conservation, New Energy Sources	1
14	Environmental Impact Studies, Assessments or Statements	4
6	Environmental Planning	1
2	Expert Witness	1
3	Flood Insurance Studies	2
5	Highways, Streets, Airfield Paving, Parking Lots	2
1	Hospitals & Medical Facilities	1
1	Housing (Residential, Multifamily, Apartments, Condominiums)	1
1	Hydraulic Modeling	1
1	Hydrogeology	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               |

**\*This list is continued on the following page.**

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REVISED - Attachment I – General Qualifications**

Phoenix office

a. Approximate No. of Projects	b. Experience	c. Revenue Index Number <i>(see below)</i>
1	Irrigation, Drainage	1
1	Municipal Engineering	1
1	Permitting	1
5	Planning (Site, Installation and Project)	3
1	Railroad and Rapid Transit	5
1	Right-of-Way	1
6	Rivers Canals, Waterways, Flood Control	3
1	Sewage Collection, Treatment & Disposal	2
2	Site/Civil Engineering	2
2	Solar Energy Utilization	1
2	Stormwater Handling & Facilities	2
2	Structural Design, Special Structures	5
4	Surveying, Platting, Mapping, Flood Plain Studies	2
4	Traffic & Transportation Engineering	1
1	Transp. Planning, PD&E, Corridors	1
8	Water Supply, Treatment and Distribution	5

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               |

**\*This list is continued from the previous page.**

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

**1. REVISED ADSP013-00003465: Annual Request for Qualifications**

a.	FIRM (OR BRANCH OFFICE) NAME:	Atkins
b.	FIRM (OR BRANCH OFFICE) STREET:	60 South Acoma Boulevard, Suite C106
c.	FIRM (OR BRANCH OFFICE) CITY:	Lake Havasu City
d.	FIRM (OR BRANCH OFFICE) STATE:	Arizona
e.	FIRM (OR BRANCH OFFICE) ZIP CODE:	86403
g.	YEAR ESTABLISHED:	2008

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

h.	POINT OF CONTACT NAME AND TITLE:	Kevin Murphy, AVP, Project Director
i.	POINT OF CONTACT TELEPHONE NUMBER:	928.855.4505
j.	POINT OF CONTACT E-MAIL ADDRESS:	kevin.murphy2@atkinsglobal.com
k.	NAME OF FIRM (If block 1a is a branch office):	Atkins North America, Inc.

**RFQ# ADSPO14-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

**2. EMPLOYEES BY DISCIPLINE**

Lake Havasu City office

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Civil Engineer	P	183	4
Construction Inspector	P	147	1
Other	P	2,342	3
<b>Total</b>		<b>2,672</b>	<b>8</b>

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



**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience  
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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Douglas McCants, PE, PTOE, PTP</b>	b. ROLE IN THIS CONTRACT Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 25	2. WITH CURRENT FIRM 14
d. FIRM NAME AND LOCATION <i>(City and State)</i> Atkins North America, Inc., Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.S. / Civil Engineering B.S. / Civil Engineering		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> AZ / PE      NV / PE UT / PE      NM / PE FL / PE      CA / PE	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mr. McCants has 25 years of experience specializing in transportation planning and traffic engineering, with particular interests in the areas of complete streets, context-sensitive solutions, safe routes to school, and urban revitalization. He has been engaged in a broad range of project types and has routinely demonstrated his commitment to client responsiveness and quality deliverables.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	<b>Honeycutt and Porter Roads Widening Design Services, AZ</b>	2009	2013
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Atkins was responsible for PS&E for 0.25 mile of Porter Road and 1 mile of Honeycutt Road widening. The project includes widening these roads to a principal arterial cross section.		
b.	<b>MCDOT On-Call Traffic Engineering Services</b>		
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Atkins provided on-call traffic engineering services including PS&E. Specific project tasks include 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.		
c.	<b>Pedestrian Bridge at Lizard Acres Wash Surprise, AZ</b>	2010	2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Atkins provided engineering design for a new pedestrian bridge located over Lizard Run Wash. The 125-foot-long, 10-foot-wide, single-span bridge was a prefabricated structure. Atkins provided foundation design, gabion-basket bank protection; 404/401 permitting with USACE, environmental permitting, scour analysis and design; bridge drainage report; and full set of PS&E for construction. Coordination with USACE was necessary to determine if coverage under Nationwide Permit 39 was applicable at the site, which was deemed acceptable.		
d.	<b>Avondale Safe Routes to School Study Avondale, AZ</b>	2010	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. In 2010 Atkins conducted safe routes to school studies for Corte Sierra, Quentin, Estrella Vista, and Garden Lakes Elementary Schools. The evaluations included physical inventories of the on- and off-site transportation-related infrastructure (signing, pavement markings, school crossing zones, bus loading zones, driveways, parking, etc.); field observation of morning arrival and afternoon departure operations (pedestrians, bicyclists, private automobiles, and buses); and in-person meetings with school and district staff, as well as representatives from the City's engineering and police departments.		
e.	<b>Baseline Road and 67th Avenue Intersection Improvements, AZ</b>		
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Atkins is prepared PS&E for a traffic signal and approach roadway improvements at the intersection of 67th Avenue and Baseline Road in the southwest valley. The design for the widening of the Baseline Road and northern 67th Avenue approach has focused on maintenance of drainage patterns, fill of an abandoned irrigation canal, relocation of utilities, and maintenance of existing driveways. The final PS&E included a combination of MCDOT and City of Phoenix design standards to ensure compatibility with the improvements already in place by the City.		

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REVISED - Attachment I – General Qualifications**

**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>James Martin, PE, RLS</b>	b. ROLE IN THIS CONTRACT Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 28	2. WITH CURRENT FIRM 4
d. FIRM NAME AND LOCATION <i>(City and State)</i> Atkins North America, Inc., Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S. / Industrial/Civil Engineering A.T. / Design Drafting		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> AZ / PE      AZ / RLS NV / PE      CA / PE MO / RLS	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Jim Martin has 28 years of design and project management experience related to 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. A significant portion of his experience includes roadway and highway design, hydraulics of bridges, culverts and piped storm sewer systems, and drainage master planning. His familiarity with design and management software, digital terrain modeling (DTM) and CAD enable him to easily optimize design and ultimately costs associated with construction.			

**H. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
<b>Honeycutt and Porter Roads Widening Design Services, AZ</b>	2009	2013
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project principal for the widening of 1/4 mile of Porter Road and 1 mile of Honeycutt Road. The project includes widening these roads to a principal arterial cross section. Included in the project improvements are numerous wash crossings, over 1.25 miles of meandering pedestrian pathways, and roadway widening. Extensive coordination with the City of Maricopa; Pinal County; numerous utility owners including the Maricopa-Stanfield Irrigation and Drainage District, Electrical District Number 3, Global Water, Arizona Public Service, and Southwest Gas; and the public was involved.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>Traffic Impact Analysis and Site Development Plan Review Services, Navajo County, AZ</b>	2009	
b. (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	
<b>Vanderslice Road Design Concept Report Mohave County, AZ</b>	2009	
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Mohave County and other stakeholders aggressively looked at the Vanderslice Road alignment as an alternative route to SR 95 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	
<b>La Paz County PW Services Parker, AZ</b>	2011	
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer supporting Atkins as the County engineer and contract floodplain administrator for La Paz County. Mr. Martin assists with County engineer duties, including development reviews for compliance against applicable regulations and ordinances, field inspections and oversight, statutory functions, attending County and public meetings, and design services. As floodplain administrator, Atkins is responsible for determining compliance with the minimum standards of the National Flood Insurance Program and 44 CFR Part 60.3. These activities include reviewing development plans, providing base flood data, ensuring permits are obtained, issuing permits, inspecting development, and post-disaster activities.	<input checked="" type="checkbox"/> Check if project performed with current firm	
<b>New River Road Corridor Study Phoenix, AZ</b>	2008	
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project principal for the preparation of 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 f issues, and development of an implementation plan and access control guidelines.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Gerardo Perez</b>	b. ROLE IN THIS CONTRACT CAD Designer	c. YEARS EXPERIENCE	
		1. TOTAL 20	2. WITH CURRENT FIRM <1
d. FIRM NAME AND LOCATION <i>(City and State)</i> Atkins North America, Inc., Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Engineering coursework, Phoenix College Roadway lighting and traffic control design coursework, International Municipal Signal Association		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Mr. Perez has 20 years of experience in transportation design, particularly in roadway and traffic engineering. His responsibilities include coordination of design projects using AutoCAD Civil 3D/Microstation/Inroads/SignCAD/ as it applies to roadway design, traffic signals, work zone/traffic control, street/freeway lighting, pavement marking, and signing design. He is efficient in preparing cost estimates and material quantities and calculations per municipality standards. In addition to design experience, he has developed CAD standards and implemented them into projects. Mr. Perez has worked with many local consulting firms specializing in traffic engineering and transportation planning and design.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	<b>11th Avenue and Glenrosa Avenue Intersection Traffic Calming Circle Design Services, Phoenix, AZ</b>	2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE CAD designer. Traffic calming design (mini-circle) for intersection of Glenrosa and 11th Avenue.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	<b>Porter and Honeycutt Widening PS&amp;E Repackaging Maricopa, AZ</b>	2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE CAD designer. Repackaging of prior Porter/Honeycutt Widening PS&E to allow for phased construction.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	<b>Queen Valley Flood Mitigation Design Queen Valley, AZ</b>	2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE CAD designer. This project includes drainage design and scour mitigation solutions for an undersized channel in the Queen Valley residential development in Pinal County, Arizona. The project, currently in preliminary design as of August 2013, will provide plans, specifications, and estimates for channel improvements. The design will additionally develop erosion control and stabilization plans, along with roadway drainage and improved culvert crossings. Atkins performed a cost-benefit analysis during the alternatives phase, which resulted in a 100-year flooding solution for the same cost as the previously proposed 25-year solution.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	<b>South Dry Lake Bed Road Preliminary Planning and Design Boulder City, NV</b>	2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE CAD designer. Atkins is providing preliminary design and layout for this planning project that includes creating a roadway network in the Boulder City energy corridor. The energy corridor is approximately 100 acres set aside for solar energy. The roadway design requires access from US 93 and a municipal arterial network within the site. Atkins is coordinating with the City of Boulder City and the site developers to determine the best roadway network in order to create the preliminary plan set.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	<b>Zone 27 Water System Improvements Design and Construction Support Services, Prescott, AZ</b>	2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE CAD designer.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Gilbert Gardner, PE</b>	b. ROLE IN THIS CONTRACT Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 41	2. WITH CURRENT FIRM 3
d. FIRM NAME AND LOCATION (City and State) Atkins North America, Inc., Phoenix, AZ			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.C.E. / Civil Engineering		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) AZ / PE CA / PE CO / PE	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Gardner has over 35 years of project management experience for major transportation facilities in California and the western United States. He has extensive experience delivering 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, including SH 1 Central Freeway, I-880 Cyprus Reconstruction, and Vasco Road Relocation. Mr. Gardner is known for his ability to deliver projects on expedited schedules.			

**H. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>Anaheim Fixed-Guideway Transit Corridor Study Anaheim, CA</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager. Atkins is responsible for the alternatives analysis (AA), environmental impact report (EIR), environmental impact study (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	
b.	(1) TITLE AND LOCATION (City and State) <b>Whittier Parking Management Plan Whittier, CA</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE QA/QC reviewer. Atkins assessed the City'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. The team also developed recommendations for the implementation and maintenance of the existing and proposed public improvements.	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If Applicable)
	<input checked="" type="checkbox"/> Check if project performed with current firm		
c.	(1) TITLE AND LOCATION (City and State) <b>Santa Fe Commuter Rail for Mid-Region Council of Governments (MRCOG) – Albuquerque, NM</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As senior rail engineer, provided planning and design oversight for the implementation of a fast-tracked commuter rail system between the New Mexico cities of Belen and Bernalillo in the Albuquerque metropolitan area. 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.	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If Applicable)
	<input type="checkbox"/> Check if project performed with current firm		
d.	(1) TITLE AND LOCATION (City and State) <b>Metro North Line, Houston, TX</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As quality assurance manager, responsible for quality assurance for the preliminary design of an eight-mile light rail system for the Houston Metro. Primary responsibilities included technical review of the proposed design criteria, development of quality assurance and quality control procedures for the project, and development of cost estimating procedures and project budget.	PROFESSIONAL SERVICES 2006	CONSTRUCTION (If Applicable)
	<input type="checkbox"/> Check if project performed with current firm		
e.	(1) TITLE AND LOCATION (City and State) <b>Albuquerque Modern Streetcar, Albuquerque, NM</b>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As project controls manager, responsible for the project controls, scheduling and quality assurance for the planning and preliminary design of an eight mile modern streetcar system for the City of Albuquerque. Primary responsibilities included technical review of the proposed design criteria, development of quality assurance and quality control procedures for the project, preparation of the planning, design and construction schedule, and development of cost estimating procedures and project budget. Developed the commercial terms for the vehicle procurement and managed the preparation of RFP documents for the CMGC procurement process.	PROFESSIONAL SERVICES 2005	CONSTRUCTION (If Applicable)
	<input type="checkbox"/> Check if project performed with current firm		

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Oscar Beckham, PE, RLS</b>	b. ROLE IN THIS CONTRACT Project Engineer/Surveyor	c. YEARS EXPERIENCE	
		1. TOTAL 42	2. WITH CURRENT FIRM 4
d. FIRM NAME AND LOCATION (City and State) Atkins North America, Inc., Phoenix, AZ			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. / Highway Engineering		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) AZ / PE AZ / RLS	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Oscar Beckham has more than 42 years of experience in construction services. He has comprehensive experience serving key project roles including resident engineer, project engineer, project supervisor, and quality assurance manager. Mr. Beckham has developed and managed quality control programs and drafted quality control manuals. He has attended seminars and classes on numerous subjects and has taught or assisted in teaching planning and scheduling, falsework and shoring, surveying, concrete mix designs, and concrete testing classes for Kiewit.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	<b>MCDOT MC 85 and Sarival Avenue Intersection Improvement Phoenix, AZ</b>	2009	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction management representative. Atkins prepared the alternatives analysis and final plans, specifications, and estimates (PS&E) 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 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, MCDOT asked Atkins to evaluate multiple alternatives for improving the intersection.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	<b>US 50 Hickison Summit Full Construction Management Services Austin, NV</b>	2013	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction management representative. Atkins provided full administration services on US 50 from 3.38 miles west of Hickison Summit to 5.16 miles west of Antelope Valley Road. This project preserved and rehabilitated the roadway on this portion of US 50. The project consists of a 3-inch cold-in-place recycling of the existing bituminous surface, and then placing a plantmix surface (Type C) overlay with open-graded surface.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	<b>US 40/SH 64 Chip Seal Construction Management Services Meeker, CO</b>	2007	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction management representative. Atkins provided construction management services for this project that consists of crack sealing on US 40 from MP 20.0 to 30.0 and SH 64 from MP 0.0 to MS 13.0. These crack sealed sections shall also receive a chip seal following the crack seal treatment. The project also consists of a crack fill treatment on longitudinal cracks on US 40 MP 232.8 to 242.9 on Berthoud Pass.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	<b>Union Rock and Materials, (A Kiewit Construction Company), Phoenix, AZ</b>	2005	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Beckham was a technical services manager responsible for the design of concrete and asphaltic concrete mix designs, QC of plant operations, and forensic investigation of contractor problems associated with concrete mixes.	<input type="checkbox"/> Check if project performed with current firm	
e.	<b>Various Projects, Arizona Department of Transportation (ADOT), Yavapai and Mohave Counties, AZ</b>	2002	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Beckham was a project supervisor/resident engineer on various projects in District 6. Some of those projects were the Union Pass project on Highway 68 between Golden Valley and Bullhead City, the initial project on Highway 95 starting at Cat Tail Cove going north, two projects on I-40 near Yucca, Arizona, two projects on I-40 east of Kingman at Willow Creek, and the Copper Canyon project on I-17 just south of Camp Verde.	<input type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Jaime Chang, PE</b>	b. ROLE IN THIS CONTRACT Structural Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 43	2. WITH CURRENT FIRM 12
d. FIRM NAME AND LOCATION (City and State) Atkins North America, Inc., Henderson, NV			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. / Civil & Structural Engineering		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) AZ / PE      NV / PE UT / PE      CA / PE	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Jaime Chang has 43 years of overall experience in structural engineering and 14 years supervising and leading structural design groups. He has been the Atkins Henderson office's structures group manager since 2006. His experience covers projects including transportation, aviation, drainage, water resources, and facilities. This vast experience translates in a deep knowledge of the federal and local structural codes and requirements for project completion. He has worked on many transportation projects throughout Nevada involving the design of more than 30 bridges. Projects also included the design of various types of retaining walls, sound walls, drainage structures, signal and sign structures, and aesthetic structural components.			

**H. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State) <b>DVT Taxiway A Reconstruction Design (Deer Valley Airport) Phoenix, AZ</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project includes the 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 includes new signage, edge lighting, markings, drainage, utility relocation, and blast fencing. The existing Taxiway A will be relocated 40 ft to the north to meet the BII runway-taxiway 240-ft separation requirements. The taxiway will be reconstructed to a width of 35 ft with 10-ft unpaved shoulders. The existing holding apron to the southeast of the existing hangar facility will be expanded to accommodate three BII aircraft (side-by-side) as well as blast fencing to protect the taxilane and hangars to the north.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) <b>Las Vegas Wash Trail Bridge at I-15, NV</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Structural task manager. This project involved preliminary engineering, final design, bidding phase support, and construction management support services for a new multiuse trail segment along the Las Vegas Wash from Civic Center Drive to Losee Road. The project consisted of approximately 0.30 miles of Americans with Disabilities Act (ADA)-compliant, multi-use trail within existing public right-of-way. The trail alignment was separated and spans I-15, the Union Pacific Railroad (UPRR), Losee Road, and the Las Vegas Wash.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) <b>Pedestrian Bridge at Lizard Acres Wash Surprise, AZ</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Atkins provided engineering design for a new pedestrian bridge located over Lizard Run Wash. The 125-foot-long, 10-foot-wide, single-span bridge was a prefabricated structure. Atkins provided foundation design, gabion-basket bank protection; 404/401 permitting with USACE, environmental permitting, scour analysis and design; bridge drainage report; and full set of plans, specifications, and estimates (PS&E) for construction. Coordination with USACE was necessary to determine if coverage under Nationwide Permit 39 was applicable at the site, which was deemed acceptable.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) <b>Arroyo Grande Sports Complex Design Henderson, NV</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Atkins designed this park renovation project, which included incorporating many new elements that need to meld seamlessly with the existing facilities already offered within the park. Among the new features that Atkins designed were a dog park and agility course, a bicycle terrain park, a gathering and awards plaza, trails and trailheads, a 200-foot pedestrian bridge, new signage, and baseball/softball-themed interpretive gateways.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) <b>Los Angeles International Airport (LAX) Second Level Roadway Expansion Joint and Deck Repairs Design, Los Angeles, CA</b>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2007	CONSTRUCTION (If Applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Atkins is preparing the PS&E for the rehabilitation and replacement of expansion joints and hinges, along with deck repair for the seven bridges that comprise the LAX Second Level Roadway. Due to the numerous hinges to be rehabilitated and in order to minimize traffic impact, Atkins is providing complex construction traffic staging.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Percy Penafiel, PE</b>	b. ROLE IN THIS CONTRACT Structural Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 20	2. WITH CURRENT FIRM 11
d. FIRM NAME AND LOCATION ( <i>City and State</i> ) Atkins North America, Inc., Henderson, NV			
e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) M.S. / Civil Engineering B.S. / Civil Engineering		f. CURRENT PROFESSIONAL REGISTRATION ( <i>STATE AND DISCIPLINE</i> ) AZ / PE      NV / PE CA / PE	
g. OTHER PROFESSIONAL QUALIFICATIONS ( <i>Publications, Organizations, Training, Awards, etc.</i> ) Mr. Penafiel has 20 years of structural engineering experience. He has expertise in analysis and design of reinforced concrete, prestressed concrete, and steel bridges. His experience includes structural design of pedestrian bridges, culverts, viaducts, industrial, commercial, and residential buildings.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION ( <i>If Applicable</i> )
a.	<b>Las Vegas Wash Trail Bridge at I-15, NV</b>	2011	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Structural engineer. This project involved preliminary engineering, final design, bidding phase support, and construction management support services for a new multiuse trail segment along the Las Vegas Wash from Civic Center Drive to Losee Road. The project consisted of approximately 0.30 miles of Americans with Disabilities Act (ADA)-compliant, multi-use trail within existing public right-of-way. The trail alignment was separated and spans I-15, the Union Pacific Railroad (UPRR), Losee Road, and the Las Vegas Wash.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	<b>Central Phoenix/East Valley Light Rail Transit Construction Administration Services, Phoenix, AZ</b>	2009	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Project engineer responsible for providing structural design of the Central Avenue Bridge over the Grand Canal. Atkins also provided full construction administration services for this 20-mile fixed-guideway through central Phoenix. The project elements included a fixed guideway system, low-floor stations and vehicles, parking facilities, and light-rail transit system structures. Some specific design services included demolition/existing conditions plans, guideway and roadway drainage plans, National Pollutant Discharge Elimination System plans, and utility relocation plans for public utilities.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	<b>Pedestrian Bridge at Lizard Acres Wash Surprise, AZ</b>	2010	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Structural engineer. Atkins provided engineering design for a new pedestrian bridge located over Lizard Run Wash. The 125-foot-long, 10-foot-wide, single-span bridge was a prefabricated structure. Atkins provided foundation design, gabion-basket bank protection; 404/401 permitting with USACE, environmental permitting, scour analysis and design; bridge drainage report; and full set of plans, specifications, and estimates (PS&E) for construction. Coordination with USACE was necessary to determine if coverage under Nationwide Permit 39 was applicable at the site, which was deemed acceptable.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	<b>Los Angeles International Airport (LAX) Second Level Roadway Expansion Joint and Deck Repairs Design, Los Angeles, CA</b>	2007	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Atkins is preparing the PS&E for the rehabilitation and replacement of expansion joints and hinges, along with deck repair for the seven bridges that comprise the LAX Second Level Roadway. Due to the numerous hinges to be rehabilitated and in order to minimize traffic impact, Atkins is providing complex construction traffic staging.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	<b>School District Onsite Structural Design Services, NV</b>	2008	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE The structural design team has provided onsite civil structures for numerous school projects for the Clark County School District (CCSD). The designs have included intricate retaining wall and ramp systems measuring up to 30 ft in height, underground vaults, onsite drainage facilities, and school ground screen walls.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Theresa Gaisser, PE</b>	b. ROLE IN THIS CONTRACT Traffic Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 12	2. WITH CURRENT FIRM 12
d. FIRM NAME AND LOCATION (City and State) Atkins North America, Inc., Henderson, NV			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. / Civil Engineering		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) AZ / PE      NV / PE UT / PE      CA / PE	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Theresa Gaisser has 12 years of experience in traffic engineering and is technically specialized in the numerous facets of the field. She continuously demonstrates her wealth of knowledge and experience on many complex freeway, arterial, transit, land development, and airport projects. In her 10 years with Atkins, she has managed a variety of design, operations, and analysis projects and has acted as the third-party traffic engineer for a major program management contract. She has prepared many traffic studies for environmental impact statements and environmental assessments; she has also worked with the U.S. Forest Service on several national park projects. Ms. Gaisser's planning and operations responsibilities range from traffic modeling to signal timing and operational analyses to traffic impact studies. For design, her expertise encompasses signing and striping, traffic signals/lighting, traffic control, and intelligent transportations systems (ITS) including fiber optic signal interconnect, ITS device layouts, and dynamic message signs. She is skilled in a wide range of traffic engineering software such as CORSIM, VISSIM, aaSIDRA, Synchro, AutoTURN, GuidSign, Highway Capacity Software, and SignCAD.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	(1) <b>Arroyo Grande Sports Complex Design Henderson, NV</b>	2011	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Atkins designed this park renovation project, which included incorporating many new elements that need to meld seamlessly with the existing facilities already offered within the park. Among the new features that Atkins designed were a dog park and agility course, a bicycle terrain park, a gathering and awards plaza, trails and trailheads, a 200-foot pedestrian bridge, new signage, and baseball/softball-themed interpretive gateways.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) <b>On-Call Traffic Engineering Services, Maricopa County, AZ</b>	2012	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE QA/QC. Atkins is providing on-call traffic engineering services including PS&E. Specific project tasks include 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.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) <b>James Smalley Elementary School, Henderson, NV</b>	2010	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The 12.92-acre site is located in the City of Henderson. The proposed site is bisected by an existing half street right-of-way of which must be vacated via a vacation map. It is also our recommendation that a parcel map be performed on the site to combine all seven parcels into one parcel. Both of these maps are included within this scope and fee. The current zoning classification for the site is Rural Estates Residential (RS-1A).	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) <b>On-Call Traffic Engineer, City of Maricopa, AZ</b>	2009	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Atkins is providing traffic engineering services to the City of Maricopa on an as-needed basis. Our task assignments have included traffic signal PS&E and bidding assistance for four new traffic signal installations. Additionally, Atkins has provided the City of Maricopa with signal timing development and review services for traffic designs and impact analyses for proposed developments.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) <b>Charleston/Desert Foothills Drive High School Design Las Vegas, NV</b>	2009	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project involved engineering design services for the Charleston/Desert Foothills High School located on approximately 42 acres in Clark County. The scope of services provided as a subconsultant included boundary and topographical surveys, grading, utilities, and traffic and hydrology studies. Due to the locality and complexity of the project, extensive cooperation was required with the city of Las Vegas, the city of Summerlin, the Nevada Department of Transportation (NDOT), and the Clark County Water Reclamation District.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Joey Paskey, PE</b>	b. ROLE IN THIS CONTRACT Traffic/ITS Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 10	2. WITH CURRENT FIRM 3
d. FIRM NAME AND LOCATION <i>(City and State)</i> Atkins North America, Inc., Phoenix, AZ			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> B.S. / Civil Engineering M.S. / Civil Engineering		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> AZ / PE CA / PE NV / PE UT / PE	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Joey Markuson has 10 years of experience in transportation engineering, including the design of ITS corridors, traffic signal systems, school flasher systems, signing and marking plans. She has experience conducting quality assurance/quality control reviews for design plans and has prepared traffic engineering and planning projects including numerous traffic impact studies for varied land uses.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	<b>City of Glendale ITS Strategic Plan Glendale, AZ</b>	2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer. The City of Glendale developed an ITS master plan for the sports facilities district in 2004. Since the development of the Sports Facilities ITS Master Plan, the City has continued to deploy ITS devices and a communications infrastructure at various locations throughout the city. The City has deployed a fiber optic and wireless communications backbone, CCTV cameras for surveillance, vehicle detection (VID) cameras and DMS. Since 2004, technology and ITS applications have continued to evolve and the City desires to develop a City-wide ITS Strategic Plan to guide future ITS deployments that can be built upon the foundation already created. Atkins recently completed tasks to develop the City of Glendale ITS Strategic Plan and a framework of future deployments to implement the plan.		
b.	<b>Bell Road Dynamic Message Sign Design, Surprise, AZ</b>	2012	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. This contract with MCDOT involved the final design of the five dynamic message signs and underground fiber optic infrastructure on Bell Road, in accordance with the Atkins-developed project scoping report and 40% plans.		
c.	<b>West Valley Dynamic Message Signs, Maricopa County, AZ</b>	2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager responsible for the design, production, and coordination of 40 percent plans and a project scoping report for the installation of dynamic message signs at eight locations in Maricopa County. The project scoping report documents the selection of the sign locations and identifies issues associated with the final design, construction, and operation of these signs. The report also provides a cost estimate for the construction of the eight dynamic message signs. Atkins is also responsible for extensive interagency coordination with MCDOT and the Cities of Avondale and Goodyear.		
d.	<b>ITS Project Design Services, Nevada Dept. of Transportation (NDOT), Statewide, NV</b>	2011	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project engineer responsible for ITS design and coordination with NDOT. Atkins is providing design and CAD services to NDOT on a project-by-project basis. Atkins is providing design and CAD services to NDOT on a project-by-project basis. We are providing a series of ITS-related tasks and design for isolated projects		
e.	<b>RTC Design Build ITS Infrastructure (2010), Las Vegas, NV</b>	2011	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Atkins was responsible for the design, production, and coordination to provide record drawings for ITS infrastructure for approximately 26 miles along the I-215/CC 215 Beltway. The design included fiber-optic cable, dynamic message signs, travel time signs, flow detectors, closed-circuit television, and signal interconnect.		

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Ben Sprague, PE</b>	b. ROLE IN THIS CONTRACT Project Manager/Roadway Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 29	2. WITH CURRENT FIRM 11
d. FIRM NAME AND LOCATION <i>(City and State)</i> Atkins North America, Inc., Henderson, NV			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> M.B.A. / Business Administration B.S. / Civil Engineering		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> AZ / PE CA / PE NV / PE UT / PE	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Ben Sprague has 29 years of experience in planning and designing arterial roadways for special improvement districts, full-artery reconstruction, freeway interchanges and rail alignments, roadway and freeway construction administration, construction staking and inspection, feasibility studies, and final design, specification, and cost estimate preparation. He has participated in projects involving intelligent transportation systems design with elements such as ramp meters, closed-circuit television, dynamic message signs, mainline detection, and related communication links. Mr. Sprague managed projects that include interchange configuration evaluations, drainage improvements, grade separations and at-grade crossings, and bituminous asphalt pavement milling and overlay. He has worked on small projects, such as designing one-block, half-street roadways, and large projects, such as designing 2 miles of controlled access freeway facilities.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	<b>Arroyo Grande Sports Complex Design Henderson, NV</b>	2011	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Quality assurance/quality control manager responsible for conducting quality control checks of the design submittal and for coordinating between design disciplines to ensure timely and accurate reviews and approvals. Atkins designed this park renovation project, which included incorporating many new elements that need to meld seamlessly with the existing facilities already offered within the park. Among the new features that Atkins designed were a dog park and agility course, a bicycle terrain park, a gathering and awards plaza, trails and trailheads, a 200-foot pedestrian bridge, new signage, and baseball/softball-themed interpretive gateways.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	<b>Las Vegas Wash Trail Bridge at I-15, NV</b>	2011	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. This project involved preliminary engineering, final design, bidding phase support, and construction management support services for a new multiuse trail segment along the Las Vegas Wash from Civic Center Drive to Losee Road. The project consisted of approximately 0.30 miles of Americans with Disabilities Act (ADA)-compliant, multi-use trail within existing public right-of-way.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	<b>F Street Reopening Design Services Las Vegas, NV</b>	2012	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Atkins provided preliminary design, environmental studies, and final design for reopening F Street, a significant arterial that was closed as part of the I-15 Design-Build North project. Atkins developed a recommended design concept based on engineering data including neighborhood input, existing roadway geometry, drainage flows, traffic data, and cost. Upon acceptance of the concept, we developed plans up to the 30 percent level and obtained environmental clearances. Atkins advanced the concept into final construction plans and cost estimates.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	<b>I-15 Northbound Widening Design and Environmental Documents Las Vegas, NV</b>	2005	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project manager. Atkins prepared final plans, cost estimates, and special specification provisions to Nevada Department of Transportation standards for all four phases of the widening of 24 miles of I-15 from Primm to Sloan south of Las Vegas. The design added one additional northbound lane within the existing median and increased the inside shoulder width, widened and seismically retrofitted two existing bridges, and included signing, striping, and traffic control.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	<b>Flamingo Diversion Channel Design, Rainbow Branch Las Vegas, NV</b>		
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project advisor. Atkins provided design engineering and hydrologic and hydraulic analyses for this regional storm drain facility. Services included a detailed hydrologic analysis of the urbanized tributary watershed to determine existing and future drainage patterns; field reconnaissance and review of development plans and drainage studies to determine flow splits at key street intersections; and detailed hydraulic modeling of the storm drain systems.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Angelo Spata, PE</b>	b. ROLE IN THIS CONTRACT Design/Build Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 27	2. WITH CURRENT FIRM 23
d. FIRM NAME AND LOCATION (City and State) Atkins North America, Inc., Henderson, NV			
e. EDUCATION (DEGREE AND SPECIALIZATION)		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
		AZ / PE	NV / PE
		UT / PE	CO / PE
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Spata has 27 years of civil engineering experience on a wide range of public projects. He focuses primarily on planning and the design of transportation-related projects. His expertise includes freeway and urban arterial design with drainage, utilities, signing/stripping, and right-of-way coordination. He was the project manager for the Galleria Drive and Auto Show Drive interchanges, and he managed design services for Horizon Ridge Parkway and Buffalo Drive (Tropicana Boulevard to Sahara Avenue). He is also the project manager for the Burkholder Boulevard Roadway and Trail project.			

**H. RELEVANT PROJECTS**

a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	<b>I-15 Northbound Widening Design and Environmental Documents Las Vegas, NV</b>	2005	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE QA/QC reviewer. Atkins prepared final plans, cost estimates, and special specification provisions to Nevada Department of Transportation standards for all four phases of the widening of 24 miles of I-15 from Primm to Sloan south of Las Vegas. The design added one additional northbound lane within the existing median and increased the inside shoulder width, widened and seismically retrofitted two existing bridges, and included signing, striping, and traffic control.	<input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>McCarran International Airport Satellite D Design, Phase I (Contract 2010), Las Vegas, NV</b>	2000	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design manager. Atkins was responsible for the civil design for the apron of a new satellite facility, Satellite D, at McCarran International Airport. The Satellite D site work project consisted of aircraft parking aprons for the first 28 aircraft parking positions at the new concourse and remote aircraft parking positions associated with the airport expansion.	<input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>Upper and Las Vegas Wash Trails Program Level Planning Las Vegas, NV</b>	2008	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Atkins created this report to serve as a planning document to design and construct a paved 8- to 12-foot-wide, non-motorized, multi-use, ADA-compliant trail. The trail represents a major segment of the regional trail system within the City of North Las Vegas and will include lighting, landscaping, trailheads, rest areas, and nodes. Our report included recommendation for trail alignment along with cost estimates and construction phasing.	<input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>Arroyo Grande Sports Complex Design Henderson, NV</b>	2011	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal-in-charge. Atkins designed this park renovation project, which included incorporating many new elements that need to meld seamlessly with the existing facilities already offered within the park. Among the new features that Atkins designed were a dog park and agility course, a bicycle terrain park, a gathering and awards plaza, trails and trailheads, a 200-foot pedestrian bridge, new signage, and baseball/softball-themed interpretive gateways.	<input checked="" type="checkbox"/> Check if project performed with current firm	
	<b>F Street Reopening Design Services Las Vegas, NV</b>	2012	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Atkins provided preliminary design, environmental studies, and final design for reopening F Street, a significant arterial that was closed as part of the I-15 Design-Build North project. Atkins developed a recommended design concept based on engineering data including neighborhood input, existing roadway geometry, drainage flows, traffic data, and cost. Upon acceptance of the concept, we developed plans up to the 30 percent level and obtained environmental clearances. Atkins advanced the concept into final construction plans and cost estimates, which included extensive aesthetic features and structural 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**

a. NAME <b>Heather Thomas, PE</b>	b. ROLE IN THIS CONTRACT Roadway Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 7	2. WITH CURRENT FIRM 7
d. FIRM NAME AND LOCATION (City and State) Atkins North America, Inc., Denver, CO			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. / Civil and Environmental Engineering		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) AZ / PE CA / PE	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Heather Thomas has seven years of experience in transportation engineering and preparing PS&E. She has expertise using both AutoCAD and MicroStation as a design platform to prepare record drawings and uses her technical proficiency to investigate engineering problems and coordinate project activities. Through her experience, she has gained the ability to clearly convey a design's intent through engineering drawings and specifications. Her experience includes the Maricopa-Casa Grande Highway Project Assessment, which included a significant public involvement effort and updating the existing design concept report to reflect the community's current needs.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	<b>Honeycutt and Porter Roads Widening Design Services, AZ</b>	2009	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ms. Thomas prepared drainage report for 1/4 mile of Porter Road and 1 mile of Honeycutt Road widening. The project includes widening these roads to a principal arterial cross section. Included in the project improvements are numerous wash crossings, over 1.25 miles of meandering pedestrian pathways, and roadway widening. Extensive coordination with the City of Maricopa, Pinal County, numerous utility owners including the Maricopa-Stanfield Irrigation and Drainage District, Electrical District Number 3, Global Water, Arizona Public Service, Southwest Gas, and the public were involved.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	<b>On-call Traffic Engineering, Maricopa County Department of Transportation (MCDOT), Maricopa County, AZ</b>	2012	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ms. Thomas served as the project engineer for provision of on-call traffic engineering services including PS&E for traffic engineering projects including signal designs and geometric improvements; traffic engineering studies and reports; services related to development projects including traffic impact analysis; traffic/transportation engineering research and operational analysis; development and formulation of traffic engineering policies and procedures; safety improvement studies; and training related to traffic engineering topics. Responsibilities included creating plan sheets for the signal design.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	<b>Maricopa-Casa Grande Highway/White and Parker Road Intersection Improvements, City of Maricopa, AZ</b>	2009	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ms. Thomas served as the design engineer for rehabilitation of existing facilities along a 1.5-mile section of roadway.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	<b>Idylwild Drive Design, City of Prescott, AZ</b>	2010	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer for design services for paving of a 3,400-foot street. In addition, all water and sewer lines beneath the existing unpaved roadway will be replaced with new PVC sewers and ductile iron water lines. All existing driveways will be protected and raised or lowered to match the new pavement. Specific services included construction plans and specifications, hydrological analysis, public meetings, supplemental topographic survey, potholing, and construction bidding services.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	<b>Avondale Safe Routes to School Study Avondale, AZ</b>	2010	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE In 2010 Atkins conducted safe routes to school studies for Corte Sierra, Quentin, Estrella Vista, and Garden Lakes Elementary Schools. The evaluations included physical inventories of the on- and off-site transportation-related infrastructure (signing, pavement markings, school crossing zones, bus loading zones, driveways, parking, etc.); field observation of morning arrival and afternoon departure operations (pedestrians, bicyclists, private automobiles, and buses); and in-person meetings with school and district staff, as well as representatives from the City's engineering and police departments. In 2011, the City requested that Atkins conduct similar studies for three additional schools: Littleton and Collier Elementary Schools and the Imagine Avondale charter school.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Melinda Jones</b>	b. ROLE IN THIS CONTRACT Environmental Consultancy	c. YEARS EXPERIENCE	
		1. TOTAL 16	2. WITH CURRENT FIRM 12
d. FIRM NAME AND LOCATION (City and State) Atkins North America, Inc., Phoenix, AZ			
e. EDUCATION (DEGREE AND SPECIALIZATION) M.S. / Geology B.A. / Anthropology		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Melinda Jones has 16 years of experience in environmental research and consulting. She has been involved in all aspects of the environmental process including planning, field investigations, project management, public involvement, agency coordination, documentation, regulatory permitting and compliance, and mitigation. Through her extensive project experience, Ms. Jones has developed a thorough understanding of environmental policies-from the National Environmental Policy Act (NEPA) to Section 404 of the Clean Water Act-and has developed close working relationships with many resource agencies. Ms. Jones has a proven track record of successfully meeting clients' needs and completing projects, from a \$1 million roadway beautification project to a \$132 million bridge replacement project-on budget and on schedule. Ms. Jones currently serves as program manager for Atkins' Houston ecology and planning program.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	<b>43rd Avenue and Peoria Avenue Bicycle and Pedestrian Rest Area Categorical Exclusion, Glendale, AZ</b>	2012	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager. Atkins designed and constructed a Federal Transit Authority (FTA)-funded transportation enhancement project, consisting of a bicycle and pedestrian rest area and gateway at the northwest corner of 43rd Avenue and Peoria Avenue. Atkins is preparing a categorical exclusion assessment pursuant to NEPA.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	<b>Las Vegas Wash Trail Bridge at I-15, NV</b>	2011	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental manager. This project involved preliminary engineering, final design, bidding phase support, and construction management support services for a new multiuse trail segment along the Las Vegas Wash from Civic Center Drive to Losee Road. The project consisted of approximately 0.30 miles of Americans with Disabilities Act (ADA)-compliant, multi-use trail within existing public right-of-way. The trail alignment was separated and spans I-15, the Union Pacific Railroad (UPRR), Losee Road, and the Las Vegas Wash.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	<b>Pedestrian Bridge at Lizard Acres Wash Surprise, AZ</b>	2010	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Environmental scientist. Ms. Jones assisted the design and construction team in securing the required USACE clearance to construct a pedestrian bridge across Lizard Acres Wash. She was able to work with USACE and submit the necessary documentation and secure the Section 404 Nationwide Permit without needing to conduct a jurisdictional determination. The required nationwide permit was obtained in a timely manner, allowing construction to commence on schedule.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	<b>Phoenix HUD NEPA Environmental Review Regulation Services (2012-2014) Phoenix, AZ</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for consulting services regarding HUD NEPA Environmental Review Regulations.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	<b>Paradise-Whitney Inceptor Environmental Studies, Clark County Water Reclamation District, Clark County, NV</b>	2010	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ms. Jones was an environmental lead for the environmental studies conducted during redesign to gather and inventory baseline information regarding potential constraints within the corridors identified for relief sewer lines. Specific studies included sensitive species review, cultural resources survey, jurisdictional determination, and a hazardous material assessment. Ms. Jones completed the hazardous material assessment, which included records review and a site visit to identify, evaluate, and rank potential hazardous material risks. She evaluated more than 450 potential hazardous material sites, provided oversight during the other studies, and was a significant contributor to the environmental report, providing guidance on the recommendations for further evaluation and permitting requirements.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Alison Rondone</b>	b. ROLE IN THIS CONTRACT Environmental Consultant	c. YEARS EXPERIENCE	
		1. TOTAL 42	2. WITH CURRENT FIRM 12
d. FIRM NAME AND LOCATION ( <i>City and State</i> ) Atkins North America, Inc., Phoenix, AZ			
e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) M.A. / Environmental Studies B.A. / Interdisciplinary Studies		f. CURRENT PROFESSIONAL REGISTRATION ( <i>STATE AND DISCIPLINE</i> )	
g. OTHER PROFESSIONAL QUALIFICATIONS ( <i>Publications, Organizations, Training, Awards, etc.</i> ) Alison Rondone is a senior project manager providing project management as well as technical and analytical assistance for a variety of environmental documentation and urban planning projects. She brings to Atkins two decades of experience as a litigation paralegal and project manager. Ms. Rondone is well versed with all NEPA and California Environmental Quality Act (CEQA) guidelines and is skilled in all aspects of research, critical analysis, and writing. She has extensive experience in project administration and management and has received in-depth training in team building, facilitation, and collaboration skills. Ms. Rondone's paralegal experience in civil litigation has enabled her to work quite closely and effectively with numerous land use attorneys in ensuring legal defensibility of environmental documents.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION ( <i>If Applicable</i> )
a.	<b>Candlestick Point-Hunters Point Shipyard Phase II Environmental Impact Report, San Francisco, CA</b>		
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Ms. Rondone was the project manager for this extremely controversial project to redevelop more than 800 acres on the site of Candlestick Park Stadium and a defunct naval shipyard that is also a Superfund site. She was responsible for managing a large, diverse team of Atkins staff and multiple subconsultants.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	<b>Stockton Event Center EIR, Stockton, CA</b>		
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Ms. Rondone was the project manager for this redevelopment project adjacent to the Stockton Channel. The project included residential units, a new stadium, and an arena for indoor sporting events such as soccer. Primary issues included traffic, noise, and lighting, although the EIR analyzed all environmental resources.	<input type="checkbox"/> Check if project performed with current firm	
c.	<b>Colorado Avenue Esplanade Project Environmental Impact Report Santa Monica, CA</b>	PROFESSIONAL SERVICES 2013	CONSTRUCTION ( <i>If Applicable</i> )
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Project manager. Atkins is preparing an EIR and associated NEPA documentation for pedestrian improvements adjacent to the proposed Expo Phase II light-rail terminus in Santa Monica. The proposed project would implement streetscape improvements and enhancements to create a multimodal street and gathering place that would connect the Exposition Light-Rail line, downtown, Palisades Garden Walk, the pier, and the civic center.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	<b>Downtown Glendale Specific Plan Program EIR, Glendale, CA</b>	PROFESSIONAL SERVICES 2005	CONSTRUCTION ( <i>If Applicable</i> )
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Project manager. The City of Glendale was in the process of preparing a Specific Plan for downtown revitalization that would further the City's goals of providing a lively pedestrian experience and visitor-friendly destination in the downtown area. The Specific Plan will provide a set of policies and design guidelines for height, densities, architectural features, preservation of historic buildings, and transit-oriented improvements that will facilitate the City's vision. Atkins was retained to prepare a program-level EIR for the Specific Plan that would inform the planning process, to facilitate development of Specific Plan policies, that would result in the least environmental impacts. Issues of primary concern were land use, aesthetics and visual quality, particularly with regard to existing viewsheds, cultural resources and historic buildings, and traffic.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	<b>Malibu Middle and High School Campus Improvements EIS, Malibu, CA</b>	PROFESSIONAL SERVICES 2012	CONSTRUCTION ( <i>If Applicable</i> )
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE The improvements project included one new two-story replacement building for classrooms, a library, and administration offices; renovation of existing classroom Building E and outdoor spaces; a new drop-off/pick-up lane; a new lighted 150-space parking lot and access road; reconfigured on-site parking; two new tennis courts; synthetic turf for the athletic field; and improved wastewater systems. Because of the area's rural character, traffic associated with the morning drop-off and afternoon pick-up times, as well as impacts associated with the installation of new parking lot lighting on the aesthetics of the area and biological species were of particular concern to the District, the City of Malibu, and the community.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Linda Potter, PE, CFM</b>	b. ROLE IN THIS CONTRACT Hydrology/Drainage Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 20	2. WITH CURRENT FIRM 3

d. FIRM NAME AND LOCATION (*City and State*)  
Atkins North America, Inc., Phoenix, AZ

e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) B.S. / Geological Engineering	f. CURRENT PROFESSIONAL REGISTRATION ( <i>STATE AND DISCIPLINE</i> ) AZ / PE      NV / PE
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g. OTHER PROFESSIONAL QUALIFICATIONS (*Publications, Organizations, Training, Awards, etc.*)  
Linda Potter serves as a project manager for Atkins. She has 20 years of experience in hydrology, hydraulics, grading, and drainage. She has experience using HEC-RAS, HEC-2, FL0-2D, HEC-1, and other computer models, and is well versed in Federal Emergency Management Agency (FEMA) requirements. Additionally, Ms. Potter has participated in numerous FEMA flood insurance study (FIS) submittals, performed hydraulic studies as part of FEMA indefinite delivery/indefinite quantity (ID/IQ) contract, and prepared numerous letter of map revision (LOMR) and conditional letter of map revision (CLOMR) submittals. She is an ASFPM certified floodplain manager, and is currently on the board of directors for the Arizona Floodplain Management Association (AFMA). She previously served on AFMA's technical committee before being elected to the board of directors, where she assisted in the preparation of a new state standard for the Arizona Department of Water Resources.

**H. RELEVANT PROJECTS**

(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION ( <i>If Applicable</i> )
a. (1) <b>DVT Taxiway A Reconstruction Design (Deer Valley Airport) Phoenix, AZ</b>	2013	
(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 includes the 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 includes new signage, edge lighting, markings, drainage, utility relocation, and blast fencing. The existing Taxiway A will be relocated 40 feet to the north to meet the BII runway-taxiway 240-foot separation requirements. The taxiway will be reconstructed to a width of 35 feet with 10-foot unpaved shoulders. The existing holding apron to the southeast of the existing hangar facility will be expanded to accommodate three BII aircraft (side-by-side) as well as blast fencing to protect the taxilane and hangars to the north.		
b. (1) <b>MCDOT On-Call Traffic Engineering Services, Maricopa County, AZ</b>	Ongoing	
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
Atkins is providing on-call traffic engineering services including PS&E for traffic engineering projects. Specific project tasks include 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.		
c. (1) <b>Yavapai Hills Drainage Improvements Design Services Prescott, AZ</b>	Ongoing	
(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 developing drainage improvements for portions of the Yavapai Hills development in Prescott, Arizona. The older portions of the residential development lack extensive drainage infrastructure and have 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 pose project challenges for improving drainage while maintaining lot access.		
d. (1) <b>Lake Havasu City Drainage Design Services, City of Lake Havasu City, AZ</b>	Ongoing	
(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
Lead drainage design engineer for improvements of five roadway/wash crossings throughout the city. Detailed HEC-1 modeling was performed using the DDMSW pre-processor. Improvements consist of the design and analysis of box culverts, roadway profiles, roadway drainage, FEMA compliance, and erosion control.		
e. (1) <b>Yarnell and Doce Fire Floodplain Support Services, Yavapai County, AZ</b>	Ongoing	
(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 providing 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 based on removal of vegetation, soil scorching, and other factors. Atkins prepared hydrology and inundation limits based on post-fire watershed conditions within 48 hours due to the fire occurring during monsoon season, when high-intensity rainfall events occur. Atkins additionally designed drainage improvements in Yarnell to mitigate scour and flooding as part of a Natural Resources Conservation Service emergency watershed protection grant. These improvements included a roadway culvert and channelization.		

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Sandra Phillips, PE</b>	b. ROLE IN THIS CONTRACT Hydrology/Drainage Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 26	2. WITH CURRENT FIRM <1
d. FIRM NAME AND LOCATION (City and State) Atkins North America, Inc., Phoenix, AZ			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. / Engineering		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) AZ / PE CA / PE	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Sandy Phillips has 26 years of experience in site civil engineering, grading, hydrology, hydraulics, drainage, project management, marketing, contracts, billing, and receivables. Prior to joining Atkins, Ms. Phillips served as the principal for Red Hawk Engineering, LLC. She has worked with numerous large and small developers, with projects ranging in size from single-family homes to 1,400-acre community developments. She is proficient in AutoCAD Land Development Desktop, AutoCAD 3D, HEC-RAS, HEC-1, and other computer models, and is well versed in development requirements.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	<b>Yavapai Hills Drainage Improvements Design Services Prescott, AZ</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Drainage engineer. Atkins is currently preparing the design for drainage improvements for portions of the Yavapai Hills subdivision in Prescott, Arizona. The older portions of the residential development lack extensive drainage infrastructure and have 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 pose project challenges for improving drainage while		<input checked="" type="checkbox"/> Check if project performed with current firm
b.	<b>Phoenix HUD NEPA Environmental Review Regulation Services (2012-2014), Phoenix, AZ</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Drainage engineer for consulting services regarding HUD NEPA Environmental Review Regulations.		<input checked="" type="checkbox"/> Check if project performed with current firm
c.	<b>Maricopa-Casa Grande Highway Drainage Channel Stabilization Design, Maricopa, AZ</b>	2013	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager for scour and erosion control solutions for the drainage channel on the north side of the Maricopa-Casa Grande Highway in Maricopa. Erosion occurred beneath the existing channel lining and around concrete structures due to concentrated runoff. Atkins performed alternative analysis and design of solutions that consisted of slurry backfill, riprap, and other erosion control solutions.		<input checked="" type="checkbox"/> Check if project performed with current firm
d.	<b>Yarnell and Doce Fire Floodplain Support Services, Yavapai County, AZ</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Drainage engineer for providing 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 based on removal of vegetation, soil scorching, and other factors. Atkins prepared hydrology and inundation limits based on post-fire watershed conditions within 48 hours due to the fire occurring during monsoon season, when high-intensity rainfall events occur. Atkins additionally designed drainage improvements in Yarnell to mitigate scour and flooding as part of a Natural Resources Conservation Service emergency watershed protection grant. These improvements included a roadway culvert and channelization.		<input checked="" type="checkbox"/> Check if project performed with current firm
e.	<b>Queen Valley Mitigation Project, Pinal County, AZ</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer for drainage design and scour mitigation solutions for an undersized channel in the Queen Valley residential development. The project, currently in preliminary design, will provide plans, specifications, and estimates for channel improvements. The design will additionally develop erosion control and stabilization plans, along with roadway drainage and improved culvert crossings. Atkins performed a cost-benefit analysis during the alternatives phase, which resulted in a 100-year flooding solution for the same cost as the previously proposed 25-year solution.		<input checked="" type="checkbox"/> Check if project performed with current firm

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Anil Nampally</b>	b. ROLE IN THIS CONTRACT Hydrology/Drainage	c. YEARS EXPERIENCE	
		1. TOTAL 8	2. WITH CURRENT FIRM 0
d. FIRM NAME AND LOCATION (City and State) Atkins North America, Inc., Phoenix, AZ			
e. EDUCATION (DEGREE AND SPECIALIZATION) M.S. / Civil Engineering B.Tech. / Civil Engineering		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Anil Nampally has eight years of experience in hydrology and hydraulic modeling, including 2D modeling and designing flood control structures; performing floodplain delineation studies and mapping; and extensively using GIS for water resources projects. He has worked on public works design reports, residential development drainage reports, flood hazard studies for existing washes, FEMA levee assessment studies, Clean Water Act Section 404 permits, FEMA conditional letter of map revision (CLOMR), and letter of map revision (LOMR). Mr. Nampally is experienced in using ArcView GIS, DDMSW, HEC-1, HEC-HMS, Rational, FLO-2D, HEC-GeoRAS, HEC-RAS, CheckRAS, RASPLLOT, FlowMaster, CulvertMaster, StormCAD, Microstation, and Inroads.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	<b>Mint Wash and Doce Fire Floodplain Support Services Yarnell, AZ</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Atkins is performing emergency response services related to the Yarnell Hill Fire and Doce Fire in Yavapai County. These services include 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. Burn area watershed response is being characterized using the U.S. Forest Service Burned Area Emergency Response Team method of increasing runoff potential based on burn severity and intensity maps. Atkins prepared hydrology and inundation limits based on post-fire watershed conditions within 48 hours due to the fire occurring during monsoon season, when high-intensity rainfall events occur. A public meeting was held with affected residents to communicate the flooding potential and discuss temporary protection measures.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	<b>Zone A Floodplain Delineation Study, Phase 1 Prescott, AZ</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As project engineer, Mr. Nampally is responsible for the hydraulic analysis and floodplain delineation for 154 miles of washes. The project involves completing a FEMA RiskMAP-compliant approximate floodplain delineation study for several streams.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	<b>Wickenburg Area Drainage Master Study/Plan, Flood Control District of Maricopa County (FCDMC), Wickenburg, AZ</b>	2010	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Nampally was project engineer involved in completion of the existing and future conditions hydrologic analysis using DDMSW and HEC-1 for a 30-square-mile area. He prepared the hydraulic modeling and floodplain/floodway limits of 20 miles of Zone AE delineations. He also assisted in preparing technical support data notebook and workmaps submitted to FCDMC and FEMA.	<input type="checkbox"/> Check if project performed with current firm	
d.	<b>Moccasin Wash Culvert Replacement, Mohave County Public Works, Mohave County, AZ</b>	2011	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE As project engineer, Mr. Nampally evaluated the existing conditions of the culvert and performed extensive hydraulic analysis to design the proposed culvert, stepped spillway, and stilling basin to control erosion at the downstream of the culvert. He was involved in cost comparison for different alternatives of the culvert material, and the downstream spillway design. He was also involved in the USACE permit process.	<input type="checkbox"/> Check if project performed with current firm	
e.	<b>Mockingbird Wash Channelization and Detention Basin Design, Mohave County Flood Control District, Mohave County, AZ</b>	2011	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Nampally was project engineer responsible for preparing a FLO-2D model to determine the existing flood hazard areas. The watershed was a wildcat subdivision with uncontrolled flooding due to the construction of structures within the existing wash. A channel was modeled using HEC-RAS and routed through the existing subdivision. To reduce the channel improvements cost, a detention basin was proposed on the upstream side and sized using unsteady HEC-RAS model. Mr. Nampally was involved in delineating the existing and proposed floodplains and also performing the engineer's estimate of cost estimates.	<input type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Sean Perrotto, PE</b>	b. ROLE IN THIS CONTRACT Project Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 14	2. WITH CURRENT FIRM 4
d. FIRM NAME AND LOCATION (City and State) Atkins North America, Inc., Lake Havasu City, AZ			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. / Civil Engineering A.A. / General Education		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) AZ / PE	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Perrotto has 14 years of experience in planning and design of grading, drainage, water, sewer, and hydrology. He has worked with a number of large developers, ranging in size from single-family homes to 640-acre community developments. Mr. Perrotto has worked with multiple city and county agencies as well as municipalities, to develop clear, accurate, and comprehensive engineering documents, identify utilities, and coordinate with utility companies to resolve conflicts.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	<b>Town of Quartzsite On-Call Engineering Services Quartzsite, AZ</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Perrotto was the lead engineer of two sewer line extensions—S. Scott Lane sewer line extension and the Super 8 sewer line extension, which included new manholes and approximately 2,200 linear feet of sewer improvement. Mr. Perrotto was also lead engineer for the Wastewater Treatment Plant Waterline Extension and Sewer Manhole Protection project as an upgrade and improvement for the wastewater treatment plant.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	<b>Hi-Desert Wastewater Collection System Design Services Yucca Valley, C</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project engineer for the design of a new pipeline for a sanitary sewer collection system. The collection system will service the center portion of the Town of Yucca Valley. Atkins' current scope of work for the system includes designing 77 miles of sanitary sewer servicing over 5,000 properties.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	<b>Lake Havasu City Drainage Projects 2011–2012 Lake Havasu City, AZ</b>	2012	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Perrotto was the lead designer for this project, which consisted of two wash crossings that were evaluated for culvert improvements and one wash crossing evaluated for downstream improvements only. The McCulloch Avenue crossing at Pima Wash and Lake Havasu Avenue crossing at Kiowa Drain are both on major street thoroughfares that consist of high volumes of traffic. Both of these crossings were evaluated for culverts. Sunny Ridge Drive crossing at Mockingbird Wash was impacted downstream by high volumes of erosion, so downstream improvements were evaluated. All three crossings were designed concurrently and completed in six months. All three projects involved coordination with the city staff.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	<b>Horizon Six Lake Havasu Mockingbird Wash Drainage Improvements, Lake Havasu City, AZ</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Atkins is currently providing construction management services for basin improvements on Mockingbird Wash. Large detention basins and wash improvements are under construction to mitigate downstream flooding in the Horizon Six development. This impressive construction effort includes approximately 210,000 cubic yards of excavation and soil cement embankments. Mockingbird Wash enters the city immediately downstream of the Horizon Six development, where Atkins designed wash improvements at Oro Grande Boulevard.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	<b>La Paz County Engineer and Floodplain Administrator, La Paz County, AZ</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mr. Perrotto assists with County engineer duties, including development reviews for compliance against applicable regulations and ordinances, field inspections and oversight, statutory functions, attending County and public meetings, and design services. As the county engineer and county floodplain administrator for La Paz County, Atkins is responsible for determining compliance with the minimum standards of the National Flood Insurance Program (NFIP) 44 CFR Part 60.3.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>Pedro Trevin</b>	b. ROLE IN THIS CONTRACT Electrical Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 44	2. WITH CURRENT FIRM 26
d. FIRM NAME AND LOCATION ( <i>City and State</i> ) Atkins North America, Inc., Miami, FL			
e. EDUCATION ( <i>DEGREE AND SPECIALIZATION</i> ) B.S. / Electrical Engineering		f. CURRENT PROFESSIONAL REGISTRATION ( <i>STATE AND DISCIPLINE</i> ) AZ / PE      NV / PE NM / PE      FL / PE UT / PE      CO / PE CA / PE      MS / PE NC / PE      LA / PE	
g. OTHER PROFESSIONAL QUALIFICATIONS ( <i>Publications, Organizations, Training, Awards, etc.</i> ) Pedro Trevin is a principal and electrical engineer with more than 43 years of experience providing electrical engineering services for office buildings, schools, hospitals, dormitories, parking garages, theaters, and detention facilities. He has also performed electrical engineering for airports, marinas, wastewater treatment plants and pump stations, solid waste facilities, apartment buildings, military facilities, parks and recreational facilities, port terminals, food markets, department/retail stores, shopping centers, rapid transit facilities, toll facilities, movable bridges, building recertifications, value engineering, due diligence reports (field inspection of existing buildings), parking lot lighting, and roadway lighting. He has frequently served as electrical project manager on assignments from state and local agencies and is knowledgeable about the diverse regulations governing design on such projects.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION ( <i>City and State</i> )	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION ( <i>If Applicable</i> )
a.	<b>Central Phoenix/East Valley Light Rail Transit Consultant Phoenix, AZ</b>	2006	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Electrical engineer. This light-rail transit project for the Regional Public Transportation Authority of Phoenix consisted of approximately 21 miles extending from 19th Avenue and Bethany Home Road in north-central Phoenix through Tempe to Main and Longmore in the city of Mesa. The elements of the project include a fixed-guideway system, low-floor stations and low-floor vehicles, parking facilities, structures, and other facilities related to the implementation of a light-rail transit system.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	<b>Jackie Gleason Theater of the Performing Arts, City of Miami Beach, FL</b>	2008	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Field investigation of existing theater built in 1946 and the development of existing "as-built" electrical drawings to determine the demolition of the electrical work. The theater was renovated in its entirety and was to be reconstructed in three separate phases during off-season periods.	<input type="checkbox"/> Check if project performed with current firm	
c.	<b>John H. Schee Vehicle Maintenance Facility Design Services, Miami, FL</b>	2009	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Electrical engineer for the Miami-Dade County Public Schools (MDCPS) project involving architectural, engineering, and construction administration services for a new 25,000-square-foot vehicle maintenance facility. This facility, located on 4.5 acres, included approximately 16,800-square-feet of high-roof service area housing 17 maintenance bays, administrative offices, and parking/storage for 125 school buses.	<input type="checkbox"/> Check if project performed with current firm	
d.	<b>Federal Bureau of Prisons, Coleman Federal Correction Complex, Sumpter County, FL</b>	2007	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Coordination with the local power company, preliminary design of the 12.47 KV primary power underground distribution system, final design of the 480Y/277 volt secondary power underground distribution system for the entire complex, design of the security, data communications and fire alarm systems underground distribution to the central reporting facility within the complex. Design also included site lighting for the access roads and parking lots.	<input type="checkbox"/> Check if project performed with current firm	
e.	<b>Publix Project Management Services, Statewide, FL</b>	Ongoing	
	(3) BRIEF DESCRIPTION ( <i>Brief scope, size, cost, etc.</i> ) AND SPECIFIC ROLE Electrical engineer for this project, part of Atkins' comprehensive architectural consulting services for Publix Supermarkets stores and facilities throughout the southeast and west coast regions. Atkins assisted with the development and completion of the renovation and expansion program by providing design and production program management services. Mr. Trevin provided mechanical, electrical, plumbing, and fire protection design engineering services for new stores.	<input type="checkbox"/> Check if project performed with current firm	

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**4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

a. NAME <b>David Farley, RLA</b>	b. ROLE IN THIS CONTRACT Landscape Architect	c. YEARS EXPERIENCE	
		1. TOTAL 13	2. WITH CURRENT FIRM 11
d. FIRM NAME AND LOCATION (City and State) Atkins North America, Inc., Henderson, NV			
e. EDUCATION (DEGREE AND SPECIALIZATION) B.S. / Landscape Architecture		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) AZ / RLA      NV / RLA	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) David Farley has 13 years of landscape architecture and planning experience. His background and responsibilities include master planning, conceptual design, and the development of construction documents and specifications for a variety of commercial, residential, and civic projects, as well as construction observation and administration. His knowledge of construction materials and methods employed throughout the United States is a valuable asset to the design team on any project for which he is a member.			

**H. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a.	(1) <b>Las Vegas Wash Trail Bridge at I-15, NV</b>	2011	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape architect responsible for designing landscape architecture for this project. Atkins performed preliminary engineering, final design, bidding phase support, and construction management support services for a new multiuse trail segment along the Las Vegas Wash from Civic Center Drive to Losee Road. The trail alignment will be grade separated and span over I-15, the Union Pacific Railroad, Losee Road, and the Las Vegas Wash.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) <b>Yardley Garden at Ustler Hall Landscape Architecture Services Gainesville, FL</b>	2005	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project manager and senior designer responsible for hardscape design, planting and irrigation design, construction document preparation, contract administration, and construction oversight. Formerly a surface parking lot, the area now functions as the forecourt to the building housing the Women's Studies and Gender Research program as well as a gateway to the remainder of campus.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) <b>F Street Reopening Design Services Las Vegas, NV</b>	2012	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead landscape architect responsible for overall construction documentation, detail design, and project constructability. Atkins developed a recommended design concept based on engineering data including neighborhood input, existing roadway geometry, drainage flows, traffic data, and cost. Upon acceptance of the concept, we developed plans up to the 30 percent level and obtained environmental clearances. Atkins has been advancing the concept into final construction plans and cost estimates, which include extensive aesthetic features and structural design.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) <b>Project Neon Final Design and ROW Acquisition Phase I Las Vegas, NV</b>	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead landscape architect responsible for overall construction documentation, detail design, and project constructability. Atkins is providing aesthetic design, right-of way engineering and acquisition, utility coordination, and public outreach for this improvement project on I-15 between US 95 and Sahara Avenue.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) <b>Arroyo Grande Sports Complex Design Henderson, NV</b>	2011	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Landscape architect responsible for assisting with the detailed design of the planting, the dog park, concrete slide, trail, signage, and ballfield gateway concept. Wrote specifications. Atkins designed this renovation project. Many new elements were incorporated into the park that needed to meld seamlessly with the existing facilities within the park. Among the new features that we designed are a dog park and agility course, a bicycle terrain park, a gathering and awards plaza, trails and trailheads, a 200-foot pedestrian bridge, new signage, and baseball/softball-themed interpretive gateways.	<input checked="" type="checkbox"/> Check if project performed with current firm	

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<b>5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>  1
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a. TITLE AND LOCATION <i>(City and State)</i> <b>Dallas-Fort Worth National Cemetery Phase II Expansion Dallas, TX</b>	b. YEAR COMPLETED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">PROFESSIONAL SERVICES 2010</td> <td style="width:50%;">CONSTRUCTION (if Applicable) 2012</td> </tr> </table>	PROFESSIONAL SERVICES 2010	CONSTRUCTION (if Applicable) 2012
PROFESSIONAL SERVICES 2010	CONSTRUCTION (if Applicable) 2012		

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER RVi Planning	d. POINT OF CONTACT NAME Mark Smith	e. POINT OF CONTACT TELEPHONE NUMBER 512.480.0032
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Located on a rolling site in southeast Dallas, the Dallas-Fort Worth National Veterans Cemetery was planned with growth in mind. In 2007, the Veterans Administration decided it was time to expand the burial capacity of the 638-acre property to develop Phase II. The cemetery is internally focused around a serene six-acre lake and large ceremonial plaza. Phase II encompasses a 60-acre expansion into the western regions of the site. In addition to phasing and construction scheduling challenges related to working within the context of an operating cemetery hosting well over 25 burial ceremonies daily, the design/engineering team of 10 consultants worked to develop a solution that was respectful of the first phase of the project, resolved a host of site and infrastructure challenges, and would ultimately provide the peaceful and honorable experience that veterans and their survivors deserve from a national cemetery.

Atkins provided civil engineering and survey services for the preparation of construction documents for this 60-acre expansion. This project included the addition of 15,000 new crypts, 4,000 new columbarium niches, 5,480 standard burial sites, a committal shelter, expansion of the existing cortege parking lanes, and associated landscaping, irrigation, roadway improvements, and utilities.

Surveying services involved establishing a geodetic survey control network and performing topographic, tree, and utility design surveys. Other project improvements included demolition, clearing, and utility tie-ins. Atkins' team leaders maintained close working relationships with all project representatives: the Veterans Affairs project manager, the cemetery director, and designated cemetery staff.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Atkins North America, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Dallas, TX	(3) ROLE Civil engineering, survey services, and construction document preparation
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

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<b>5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER  <b>2</b>
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a. TITLE AND LOCATION <i>(City and State)</i> <b>Pedestrian Bridge at Lizard Acres Wash Surprise, AZ</b>	b. YEAR COMPLETED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 2010</td> <td style="width: 50%;">CONSTRUCTION (if Applicable) 2010</td> </tr> </table>	PROFESSIONAL SERVICES 2010	CONSTRUCTION (if Applicable) 2010
PROFESSIONAL SERVICES 2010	CONSTRUCTION (if Applicable) 2010		

<b>23. PROJECT OWNER'S INFORMATION</b>
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c. PROJECT OWNER Haydon Building Corporation	d. POINT OF CONTACT NAME Trennis Stanley	e. POINT OF CONTACT TELEPHONE NUMBER 602.296.1496
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

As a subconsultant, Atkins provided design services for a 125-foot-long, 10-foot-wide prefabricated pedestrian bridge spanning Lizard Acres Wash. Atkins designed all cast-in-place drilled shaft foundations, abutment details, lighting, and extension of the existing trail system leading to the new structure.

Atkins was also responsible for the gabion-basket bank protection; Section 404/401 permitting with United States Army Corps of Engineers; environmental permitting; scour analysis and design; bridge drainage report; and a full set of PS&E for construction. The design and construction were completed ahead of schedule and for the budgeted price (\$260,000).



**Complete pedestrian bridge**

<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>
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<b>a.</b>	(1) FIRM NAME Atkins North America, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Bridge design and environmental permittng
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

<b>5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER  <b>3</b>
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a. TITLE AND LOCATION <i>(City and State)</i> <b>Las Vegas Wash Trail Bridge at I-15 North Las Vegas, NV</b>	b. YEAR COMPLETED PROFESSIONAL SERVICES 2011	CONSTRUCTION (if Applicable) Ongoing
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**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER City of North Las Vegas	d. POINT OF CONTACT NAME Robert Huggins	e. POINT OF CONTACT TELEPHONE NUMBER 702.633.2003
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Atkins performed preliminary engineering, final design, bidding phase support, and construction management support services for a new multiuse trail segment along the Las Vegas Wash. The improvements are primarily funded by the Southern Nevada Public Land Management Act and consisted of approximately 0.3 miles of Americans with Disabilities Act (ADA)-compliant multiuse trail within existing public right-of-way. The trail alignment was separated and spanned over I-15, the Union Pacific Railroad (UPRR), Losee Road, and the Las Vegas Wash. Atkins effectively coordinated this project with the City of North Las Vegas Parks and Recreation and Public Works departments. We were also successful in gaining the support of the Nevada Department of Transportation and UPRR for the project.

Our structures group designed two pedestrian bridges. The first bridge consists of 11 spans with a main span of 200 feet and approximately 1,400 feet of total length across the I-15 freeway, Losee Road, and the UPRR tracks. The second bridge is 125 feet long and crosses over the Las Vegas Wash Drainage Channel. The bridges are steel trusses with concrete decks and supported on single-column concrete piers.

Atkins conducted environmental reviews to assess potential impacts of the proposed action on the existing environment and prepared a categorical exclusion report to document the findings, conclusions, and recommendations. Our environmental scientists worked closely with the design team to avoid impacts to the Las Vegas Wash and therefore eliminate the need for a Section 404 permit.



**Bridge construction**

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME Atkins North America, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Bridge design and environmental reviews
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

<b>5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>	<b>20. EXAMPLE PROJECT KEY NUMBER</b>  4
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a. TITLE AND LOCATION <i>(City and State)</i> <b>43<sup>rd</sup> Avenue and Peoria Avenue Bicycle and Pedestrian Rest Area Categorical Exclusion (CE) Glendale, AZ</b>	b. YEAR COMPLETED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">PROFESSIONAL SERVICES 2012</td> <td style="width:50%;">CONSTRUCTION (if Applicable) N/A</td> </tr> </table>	PROFESSIONAL SERVICES 2012	CONSTRUCTION (if Applicable) N/A
PROFESSIONAL SERVICES 2012	CONSTRUCTION (if Applicable) N/A		

<b>23. PROJECT OWNER'S INFORMATION</b>
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c. PROJECT OWNER City of Glendale, Arizona	d. POINT OF CONTACT NAME Michael Johnson	e. POINT OF CONTACT TELEPHONE NUMBER 623.930.3628
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The City of Glendale wanted to design and construct a transportation enhancement project, consisting of a bicycle and pedestrian rest area and gateway, at the northwest corner of 43rd Avenue and Peoria Avenue in Glendale. The project was federally funded by the Federal Transit Authority and had been identified as an Arizona Department of Transportation (ADOT) Local Government Project, thereby requiring completion of a CE assessment. Atkins conducted the necessary environmental studies including a biological evaluation, preliminary initial site assessment for hazardous materials, archaeological survey, and an historic architectural survey; and prepared the CE document and checklist pursuant to ADOT's standards. The CE document and checklist were reviewed by ADOT. Work performed was within budget and on schedule.

<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>
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<b>a.</b>	(1) FIRM NAME Atkins North America, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Phoenix, AZ	(3) ROLE Environmental studies and CE document preparation
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience  
REVISED - Attachment I – General Qualifications**

<b>5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER  <b>5</b>
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a. TITLE AND LOCATION <i>(City and State)</i> <b>On-Call Traffic Engineering Services Maricopa County, AZ</b>	b. YEAR COMPLETED <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">PROFESSIONAL SERVICES 2012</td> <td style="width:50%;">CONSTRUCTION (if Applicable) N/A</td> </tr> </table>	PROFESSIONAL SERVICES 2012	CONSTRUCTION (if Applicable) N/A
PROFESSIONAL SERVICES 2012	CONSTRUCTION (if Applicable) N/A		

**23. PROJECT OWNER'S INFORMATION**

c. PROJECT OWNER Maricopa County Department of Transportation	d. POINT OF CONTACT NAME Nicolaas Swart	e. POINT OF CONTACT TELEPHONE NUMBER 602.506.8600
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Atkins is providing on-call traffic engineering services including PS&E. Specific project tasks include 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 has provided signal designs for numerous intersections in Maricopa County including:

- Baseline Road/67<sup>th</sup> Avenue Intersection Improvements and Traffic Signal PS&E
- MC 85/Baseline Road Intersection Improvements and Traffic Signal PS&E
- Union Hills/99<sup>th</sup> 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/99<sup>th</sup> Avenue Traffic Signal Upgrade**

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	Atkins North America, Inc.	Phoenix, AZ	On-call traffic engineering services, PS&E
b.			
c.			
d.			
e.			
f.			

6. ADDITIONAL INFORMATION

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

I. Executive summary

Atkins North America, Inc. (Atkins) has served governments, communities, and their people by enriching the quality of everyday life since 1960. With 70 offices and nearly 2,700 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. We plan, design, and enable solutions.

Our Phoenix and Lake Havasu City offices in Arizona feature engineers and technical support staff with expertise in transportation, construction, environmental, planning, transit, drainage, utilities design, water resources, water/wastewater, and geographic information systems (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); Maricopa County Department of Transportation (MCDOT); Flood Control District of Maricopa County; and the cities/towns of Parker, Avondale, Lake Havasu City, Fountain Hills, Gilbert, Glendale, Goodyear, Peoria, Phoenix, Queen Creek, Scottsdale, Prescott, and many others.

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



Atkins office network

## 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 (ITS)
- GIS
- Bridge design
- Right-of-way (ROW) 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 (H&H)
- Flood control
- Floodplain delineation
- Federal Emergency Management Act (FEMA) floodplain mapping
- Letters of map revision (LOMR)
- Conditional letters of map revision (CLOMR)
- Water quality reports

### Design/civil engineering

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

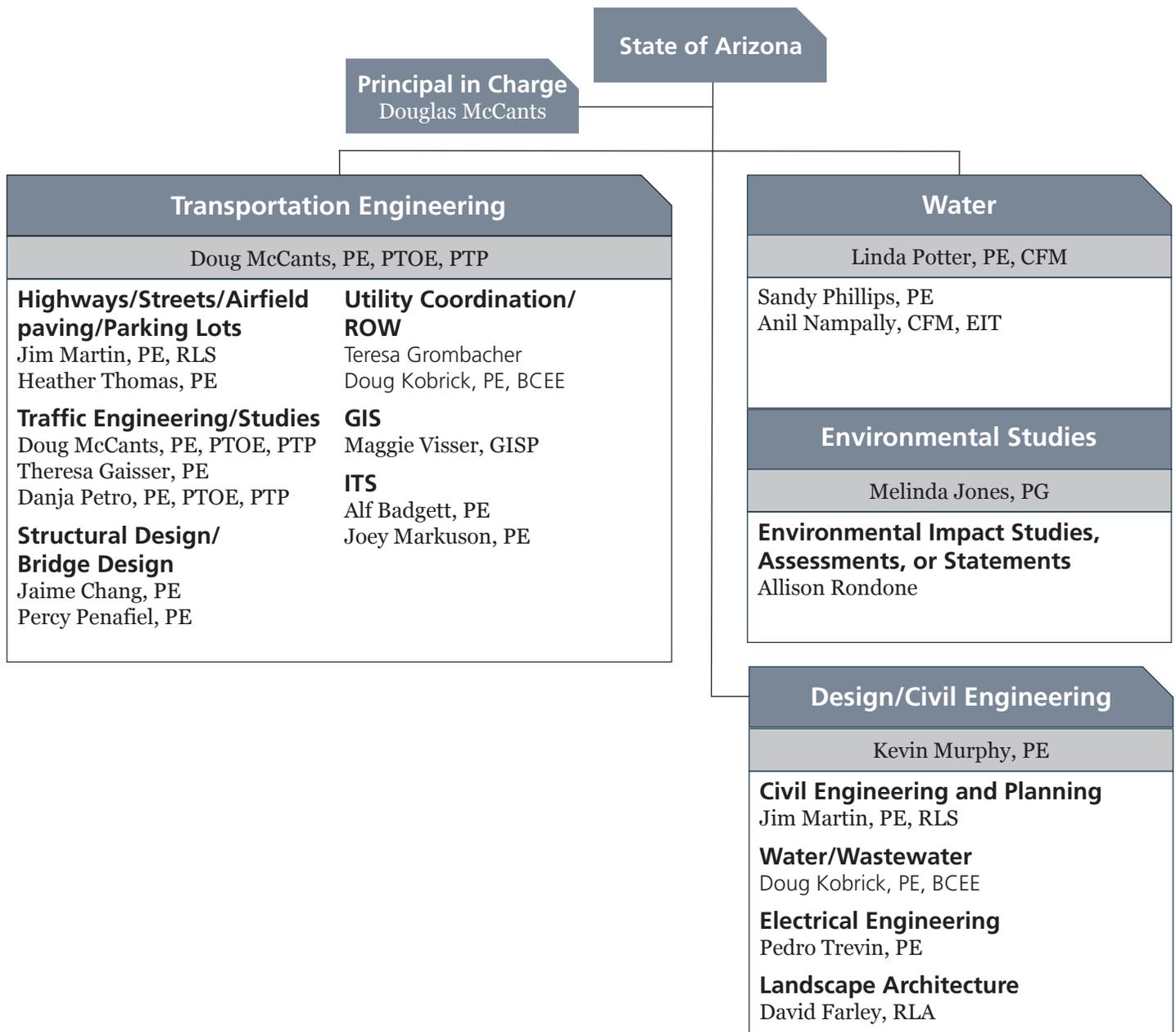
### Environmental studies

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

### III. Engineering services

Atkins' engineering practice was founded on the principles of integrity, reliability, and client service. With more than 53 years of experience, we understand the need to work within budget and schedule and 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 organization chart of our full team follow.

#### Organization chart



## 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
- ROW
- Transportation planning
- Public transit planning and design
- Construction management
- Toll studies
- Surveying/mapping
- Structures

### Transportation lead – Doug McCants, PE, PTOE, PTP



As one of only four certified professional transportation planners in Arizona, Doug specializes in both transportation planning and traffic engineering. During his 25-year career, he has been engaged in a broad range of project types including complete streets, context-sensitive solutions, safe routes to school, and urban revitalization. He has routinely demonstrated his unwavering commitment to client responsiveness and quality deliverables.

## B. 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' capabilities include:

- Adaptive management
- Arc Hydro tools data modeling
- 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
- Low impact development planning
- Master drainage plans
- 2D hydraulic modeling
- National Pollutant Discharge Elimination System permitting
- FEMA floodplain, water quality, and stormwater management permitting
- Regional stormwater facility design
- Scour analysis
- Stormwater best management practices
- Stormwater utility development
- Streambank protection and stabilization
- Water quality
- Watershed Analyst™

#### Water resources lead – Linda Potter, PE, CFM



Linda has 19 years of experience in transportation, planning, design, H&H, grading, and drainage. She has experience using HEC-RAS, HEC-1, Arc-GIS and other computer models, and is well versed in FEMA requirements. Additionally, Linda has participated in and prepared numerous FEMA Flood Insurance Study submittals, performed hydraulic studies, and prepared LOMR and CLOMR submittals. She is currently on the Board of Directors for the Arizona Floodplain Management Association (AFMA). She previously served on AFMA's Technical Committee before being elected to the Board of Directors, where she assisted in the preparation of a new state standard for the Arizona Department of Water Resources.

### C. Environmental studies

From planning and permitting to design, construction management, and operations, our team of engineers and scientists offer comprehensive services supporting a variety of client demands. Our clients include energy companies, state departments of transportation, state and federal governments, counties and municipalities, industries, private land developers, public and private utilities, constructors, aviation, health care, entertainment, criminal justice, and education facilities.

Of particular advantage to many of our clients are the additional services we offer in specialty areas, such as cultural resources, odor control, habitat restoration, brownfields, pipeline materials, information solutions, toxicology, and land management. Our ability to be a single-source solution for most projects benefits our clients through better cost and schedule control. In addition to the services mentioned in Section II, our environmental services include:

- Regulatory compliance and permitting
- Socioeconomic and land use studies including environmental justice
- Geology, soils, and hydrogeology
- Hydrology, water quality, environmental toxicology, and water conservation
- Wetland determinations, permitting, and mitigation/monitoring
- Biological/ecological services
- Cultural resources
- Environmental resource analysis
- Noise monitoring and modeling
- NEPA documentation and clearance
- Differential GPS mapping
- Public involvement

**Environmental lead – Melinda Jones, PG**



Melinda has 15 years of experience as an environmental consultant specializing in environmental planning. She has been involved in all aspects of the NEPA planning process from feasibility scoping to alternative formulation and baseline mapping to final documentation. Melinda has a proven record of completing projects on schedule and within budget, and she understands that a collaborative approach is critical to the success of a project, whether it's a 3-mile roadway widening project or a 170-mile new location highway. Melinda's commitment to communication of the details and the process status will enable her to act as an effective extension of staff and will provide our clients' project managers with any support they may need.

**D. Design/civil engineering**

Atkins' civil engineering services group provides its clients with 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
- Resorts and recreation
- 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

Atkins' experience in providing a wide variety of water treatment planning and design services to public and private water utility system owners, operators, and consumers for more than 40 years allows the selection of the best practical technology for each situation. Since 1971, the firm's extensive experience in conventional water treatment processes has been augmented by equally impressive experience in membrane processes. The firm has pioneered the use of new reverse osmosis and membrane softening technology—coupled with innovative energy conservation techniques—to permit the economic development of large-scale subdivisions, where brackish groundwater cannot be treated for human consumption by conventional processes. Atkins also has staff engineers experienced in optimization studies and plant performance evaluations with its own portable field analytical equipment to perform the required lab analysis on site.

Atkins' experience includes the design of more than 120 wastewater treatment plants in the United States. These plants range in size from less than 1 million-gallons-per-day (mgd) processing capacity to more than 100 mgd and incorporate a wide range 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 get each job done 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.

**Design/civil engineering lead - Kevin Murphy, PE**



Kevin has 25 years of experience with municipal planning and public works projects. Prior to joining Atkins, Kevin spent 11 years serving Lake Havasu City (LHC) as its Public Works Director and oversaw the capital budget for the community's infrastructure development, operations, and maintenance. Kevin brings vast experience in dealing with environmental and jurisdictional agencies and is particularly skilled in maintaining project budgets and administering project controls.

## IV. Relevant project experience

**Dysart/Thunderbird Roads Traffic Interchange (TI) Construction Management, City of El Mirage, 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 (QA), contractor schedule analysis and progress monitoring, claim analysis, material testing, and inspection.

**Reference:** Jorge Gastelum, 623.876.2976

**MC 85 and Baseline Road Intersection Improvement, 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 alternatives for improving the intersection.

**Reference:** Nicolaas Swart, 602.506.0599

**School Crossing Guide, MCDOT, Maricopa County, Arizona.** The MCDOT policy for the installation of school crossings follows the guidelines published by ADOT. Of particular concern are instances in which the pedestrian volume warrants in the ADOT guidelines are not met, but there is still a demand for pedestrians to cross the roadway. The semi-urban environment in which most of the schools are located on county roadways often provides specific challenges in the application of the ADOT guidelines. The purpose of this study is to evaluate current practices around the valley/state and draft policy and procedure guidelines more suitable for MCDOT application.

**Reference:** Nicolaas Swart, 602.506.0599

**Wastewater System Expansion Program, Wastewater Planning and Oversight Engineer, City of LHC, Arizona.** Atkins performed a technical review and assessment of LHC's recently completed sewer master plan including review of LHC's new InfoWorks dynamic hydraulic sewer model and oversight engineering services for LHC's Wastewater System Expansion (WWSE) Program. The goal of this project was to review the planning work completed to date and identify opportunities for refinement and cost savings. Major refinements included sewer generation rates, sewer model calibration, phasing analysis, operational enhancements, and a 10-year Capital Improvement Program (CIP) update.

Atkins also completed the design of the last two phases of LHC's WWSE Program. The Trotwood and Mockingbird WWSE System Improvement projects included conversion of 3,400 properties from septic to sewer systems, and 170,000 feet of new sewer mains ranging in size from 6 to 12 inches.

**Reference:** Greg Froslic, 928.453.6660



**Thunderbird Road Construction Management**



**LHC Wastewater System Expansion**

**McDowell and Van Buren Synchro Models, Maricopa Association of Governments (MAG), Phoenix, Arizona.**

Through MAG's Traffic Signal Optimization Program, Atkins was selected to provide assistance to the City of Phoenix for the development and refinement of a Synchro model for the McDowell and Van Buren corridors. Atkins is providing data development and coding for all components of the model—geometry, volumes, phasing, and timing—for the major signals between Scottsdale and Avondale. Previous Synchro models prepared by others for additional corridors were imported and merged with the Atkins model. Doug McCants served as Atkins' project manager.

**Reference:** Sarath Joshua, 602.254.6300

**Sewer Master Plan, City of Bullhead City, Bullhead City, Arizona.** Atkins provided engineering services for preparation of a comprehensive Section 208 Wastewater Plan, updating the previous Section 208 Plan that was amended in March 2004. Bullhead City is a rapidly growing community of approximately 41,400 people. It is located on the Colorado River in the west central part of Arizona at the foothills of the Black Mountains in an area described as lowland desert. Because of its location, water resources are not abundant and must be conserved by thoughtful and wise planning.

The purpose of this project is to develop a Section 208 Plan Amendment and Wastewater Master Plan Update to address current and future wastewater collection, treatment, reuse, and disposal needs for Bullhead City's current city limits and service area. The Section 208 Plan Amendment will update, modify, and expand the Section 208 Plan last amended in March 2004, which will be submitted to and approved by the applicable state and county agencies upon completion. A comprehensive wastewater master plan will be prepared for wastewater generated within the current city corporate limits and Bullhead City's wastewater service areas located outside the city limits within Mohave County. The wastewater master plan will include hydraulic modeling, existing collection system evaluation and optimization, condition assessment/asset management program implementation plan development, treatment and effluent disposal/reuse system analysis, solids treatment and disposal evaluations, and a long-range cost-effective plan for future service to remaining undeveloped and unsewered areas.

**Reference:** Bob Leuck, 928.763.0128

**Trotwood Area Sewer Collection Project Construction Management Services, City of LHC, Arizona.** Atkins provided construction administration and management services for the Trotwood Area Sewer Collection Project as part of the WWSE Program. Construction activities included administration, inspection, field material laboratory testing, field survey, as-builts, and close-out.

The Chemehuevi, Mockingbird, and Trotwood Area Sewer Collection projects are three separate, yet adjacent, projects that constitute the final phase of the WWSE Program. As part of the submitted construction management plan, each of the three projects that were staffed with a dedicated resident engineer, lead inspector, and additional inspectors as needed. Each resident engineer and lead inspector also had an overall QA role on all three projects. In addition to their project role, they were responsible for areas such as traffic control, paving, home site rehabilitation, etc. This plan ensured coordination and consistency remained constant during the construction of all three projects.

**Reference:** Greg Froslic, 928.453.6660

**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 necessitated frequent closures of 67th Street, 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 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.

**Reference:** Samir Hatab, 602.506.8600



67th Avenue at Salt River

**Porter Road HAWK Pedestrian Beacon Design Services, City of Maricopa, Arizona.** Faced with the need to safely cross elementary school students across 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.

**Reference:** Chris Salas, 520.568.9098



**Maricopa Traffic**

**Acting City Engineer, City of Maricopa, Arizona.** As a result of the economic downturn and Maricopa staff reductions, Atkins serves as City engineer for the City of Maricopa. Maricopa relies on Atkins for final review and approval of various public and private projects. We are responsible for reviewing and approving plans for conformance with the prevailing Maricopa standards and governing state and federal regulations. Constructability, construction traffic control, regulatory signing and striping, and stormwater management issues are also evaluated. Atkins works with Maricopa staff to ensure plans are sufficiently engineered, conform to professional standards and City development requirements, and are compatible with Maricopa's general plan.

**Reference:** Brent Billingsley, 520.568.9098

**Drainage System Improvement, LHC, 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. LHC desires that Swanson Avenue be open to two-way traffic throughout construction, which adds phasing and grading challenges. The project will include gabion retaining walls in some areas with lower velocities to match aesthetics. Significant improvements to pedestrian safety will be accomplished through modifications to the pedestrian path. The box is being extended nearly 150 feet upstream to work toward ultimately enclosing the Pima Wash between McCulloch Boulevard and Swanson Avenue. Other crossings include 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 is challenging due to an adjacent electrical substation and fire station, as well as potentially split flow upstream that has not been properly considered in the past due to roadway improvements.

**Reference:** Greg Frosie, 928.453.6660



**LHC Drainage**

**On-call Housing and Urban Development (HUD) NEPA Environmental Reviews, City of Phoenix, Arizona.** Since 2008, Atkins has been performing environmental reviews under HUD review guidelines to fully assess, determine and document regulatory compliance, and identify mitigation measures on environmental and archeological resources. Atkins conducts site visits to verify information and data collected and to document on-site conditions and surrounding land uses and consults other Phoenix departments to obtain additional information on relevant issues, such as utilities, roadways, and real estate trends. Following the initial investigations, other reasonable project alternatives are identified and described and an environmental document is prepared in accordance with HUD requirements. The document includes the required verifiable source documentation to support the findings and outcome of the assessment.

**Reference:** Andre Best, 602.262.7319

**On-call Expedited Aquifer Protection Program Consulting Services, Arizona Department of Environmental Quality (ADEQ), Statewide, Arizona.** In response to concern over agency processing time of Aquifer Protection Permits, ADEQ is authorized by Arizona Revised Statutes §49-241.02(D) and §49-203(C) to use consultants to provide accelerated permit processing for those permit applicants who request this process. Under this contract, Atkins worked on behalf of ADEQ with the applicants to provide guidance and assistance in submitting complete applications and interfaces with ADEQ to ensure that ADEQ goals and objectives are satisfied in all work performed. A typical scope of work includes providing technical guidance, information, and technical communications, as needed, to assist the applicant in responding to identified deficiencies in order to avoid delaying administrative and technical review of items and to guide the applicant wherever possible to expeditiously meet ADEQ technical needs.

**Reference:** David Haag, 602.771.4669

## V. Quality control (QC) process

Every Atkins employee is committed to the success of continuous quality improvement. Atkins actively and enthusiastically pursues quality performance and quality improvement in all that we do. QA/QC is an important aspect of every project that 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 lifecycle 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, Prescott, and Lake Havasu, Arizona. All projects will be coordinated through our Phoenix office and delegated to the proper office by location requirements and expertise.

## 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
- The Atkins team is motivated and ready to start work
- The Atkins team has 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 service
- Our cost estimating accuracy parallels design accuracy in importance for each project

**Atkins offers the requisite criteria for your project success.**

- Products and services must and will be delivered on time
- Staff availability
- Expertise
- Interest
- Commitment

### 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:	85
b. Percentage of Total Work Attributable to Non-Government Work:	15

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

Signature:  Date: 12.12.13  
Name: Douglas McCants Title: Group Manager



# Solicitation Amendment 1

Solicitation No.: ADSP014-00003465

Description: Annual Professional Services List

Amendment No.: 1

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OF  
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State of Arizona  
State Procurement Office  
100 N. 15<sup>TH</sup> Avenue, Suite 201  
Phoenix, AZ 85007

Pursuant to the Uniform Instructions to Offerors, Section 2.6, Solicitation Amendments, the above referenced solicitation shall be amended as follows:

1. Amendment I - issued to add additional Bidders.

Atkins acknowledges receipt of this amendment.

A handwritten signature in blue ink, appearing to read "D. J. G.", positioned above a thick black horizontal line.



## Solicitation Amendment 2

Solicitation No.: ADSPO14-00003465

Description: Annual Professional Services List

Amendment No.: 2

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State of Arizona  
State Procurement Office  
100 N. 15<sup>TH</sup> Avenue, Suite 201  
Phoenix, AZ 85007

Pursuant to the Uniform Instructions to Offerors, Item 2.6, Solicitation Amendments, the above referenced solicitation shall be amended as follows:

1. Request for Qualifications Cover Sheet DUE DATE AND TIME is modified to read:

**DUE DATE AND TIME: Offers shall be received until 3:00 p.m. MST, December 5, 2013.**

2. The following attachments are hereby modified as follows:

- a) **Attachment I – General Qualifications Form** is deleted and replaced with the following:

**REVISED Attachment I – General Qualifications.**

- b) **Attachment II – Qualifications Form** is deleted and replaced with the following:

**REVISED Attachment II - Qualifications Form.**

Atkins acknowledges receipt of this amendment.

**ACKNOWLEDGEMENT OF SOLICITATION AMENDMENT SHALL BE DONE ELECTRONICALLY PRIOR TO OFFER DUE DATE AND TIME.** All other all terms, conditions, specifications and amendments to the Solicitation remain unchanged.



## Solicitation Amendment 3

Solicitation No.: ADSPO14-00003465

Description: Annual Professional Services List

Amendment No.: 3

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State of Arizona  
State Procurement Office  
100 N. 15<sup>th</sup> Avenue, Suite 201  
Phoenix, AZ 85007

Pursuant to the Uniform Instructions to Offerors, Item 2.6, Solicitation Amendments, the above referenced solicitation shall be amended as follows:

1. Request for Qualifications Cover Sheet DUE DATE AND TIME is modified to read:

**DUE DATE AND TIME: Offers shall be received until 3:00 p.m. MST, Thursday, December 12, 2013.**

Atkins acknowledges receipt of this amendment.

**ACKNOWLEDGEMENT OF SOLICITATION AMENDMENT SHALL BE DONE ELECTRONICALLY PRIOR TO OFFER DUE DATE AND TIME.** All other all terms, conditions, specifications and amendments to the Solicitation remain unchanged.

**REVISED - Attachment II - Qualifications Form**

Please provide your responses only in the orange shaded cells in **Tab 1 and 2** (see tabs below). ***IT IS IMPORTANT THAT YOU NOT ADD OR DELETE ANY COLUMNS OR CELLS.*** The State intends to download this information into a database to make searching for firms on the list more manageable for contract customers.

<b>Tab 1</b>	
<b>Date:</b>	12/12/2013
<b>Submitter Firm Name:</b>	Atkins

**Which service(s) are you qualified to perform? Place an "X" in the appropriate boxes.**

Architect services	
Assayer services	
Engineer services	x
Geologist services	
Landscape architect services	x
Land surveying services	x

**Indicate which Regions you prefer to work in: Place an "X" in the appropriate boxes.**

Phoenix Metro Area	
Tucson and surrounding areas	
Flagstaff and surrounding areas	
Yuma and surrounding areas	
Statewide	x

**Indicate Project Cost Range preference(s) below: Place an "X" in the appropriate boxes.**

50,000 - 100,000	x
101,000 - 400,000	x
401,000 - 1,000,000	x

**Next to the appropriate Disciplines below, enter an *I* for In-House or *C* for provision through a Consultant. If the Discipline is not provided by your firm, leave the box blank.**

<b>Discipline</b>	<b>I, C or Blank</b>
Aeronautical Engineer	
Agricultural Engineer	
Archeologist	
Architect	
Architectural Engineering	C
Biologist	
CADD Technician	
Chemical Engineer	
Civil Engineer	I
Constructin Manager	I
Construction Inspector	I
Control Systems Engineer	
Cost Engineer/Estimator	
Ecologist	
Electrical Engineer	I
Environmental Engineer	I
Environmentl Scientist	I
Fire Protection Engineer	
Geodetic Surveyor	
Geographic Information System Specialist	I
Geological Engineer	I
Geologist	I
Hydorgraphic Surveyor	
Hydraulic Engineer	I
Hydrologist	I
Industrial Engineer	

**REVISED - Attachment II - Qualifications Form**

Landscape Architect	I
Mechanical Engineer	C
Metallurgical Engineer	
Mining Engineer	
Nuclear Engineer	
Petroleum Engineer	
Photogrammetrist	
Project Manager	I
Sanitary Engineer	I
Soils Engineer	
Structural Engineer	I
Technician/Analyst	I
Transportation Engineer	I
Water Resources Engineer	I

## REVISED Attachment II - Qualifications Form

Please provide your responses only in the orange shaded cells in **Tabs 1 and 2** (see tabs below). ***IT IS IMPORTANT THAT YOU NOT ADD OR DELETE ANY COLUMNS OR CELLS.*** The State intends to download this information into a database to make searching for firms on the list more manageable for contract customers.

**Tab 2**

**Indicate which of the areas before in which you have experience: Place an "X" in the appropriate boxes below.**

Acoustics, Noise Abatement	X	Labs - Research - Dry	
Activity Centers		Labs Research - Wet	
Aerial Photography; Airborne Data and Imagery		Land Surveying	X
Agricultural Development; Grain Storage; Farm		Landscape Architecture	X
Air Pollution Control		LEED Accredited A/E	
Airports; Navais; Airport Lighting; Aircraft Fueling	X	LEED Independent 3rd Party Building	
Airports; Terminals and Hangars; Freight Handling	X	Libraries; Museums; Galleries	
Animal Facilities		Lighting (Exteriors; Streets; Memorials; Athletic	
Anti-Terrorism/Force Protection		Lighting (Interior; Display; Theater, Etc.)	
Area Master Planning	X	Mapping Location/Addressing Systems	
Auditoriums/Theatres		Materials Handling Systems; Conveyors; Sorters	
Automation; Controls; Instrumentation		Materials Testing	
Barracks; Dormitories		Measurement / Verification / Conservation Water	X
Bridge Design	X	Medical Related	
Cartography		Metallurgy	
Cemeteries (Planning & Relocation)	X	Mining & Mineralogy	
Chemical Processing & Storage		Modular Systems Design; Pre-Fabricated Structures	
Child Care/Development Facilities		Mold Investigation	
Codes; Standards; Ordinances	X	Museums	
Cold Storage; Refrigeration and Fast Freeze		Nuclear Facilities; Nuclear Shielding	
Commercial Building (low rise); Shopping Centers		Office Buildings; Industrial Parks	
Community Facilities		Outdoor Recreation	
Communications Systems; TV; Microwave		Petroleum and Fuel (Storage and Distribution)	
Computer Facilities		Phase I Environmental	X
Conservation and Resource Management		Photogrammetry	
Construction Management	X	Pipelines (Cross-Country - Liquid & Gas)	
Construction Materials Testing	X	Plumbing & Piping Design	
Construction Surveying	X	Pneumatic Structures, Air-Support Buildings	
Controls and Electronics Engineer		Power Generation, Transmission, Distribution	
Corrosion Control; Cathodic Protection; Electrolysis		Prisons & Correctional Facilities	
Cost Estimating; Cost Engineering and Analysis;	X	Product, Machine Equipment Design	
Cryogenic Facilities		Public Safety Facilities	
Dams (Concrete; Arch)	X	Radar; Sonar; Radio & Radar Telescopes	
Dams (Earth; Rock); Dikes; Levees	X	Radio Frequency Systems & Shieldings	
Desalinization (Process & Facilities)	X	Railroad; Rapid Transit	X
Design & Planning Structured Parking Facilities		Recreation Facilities (Parks, Marinas, Etc.)	
Design-Build - Preparation of Requests for Proposals	X	Refrigeration Plants/Systems	
Detention Security Systems		Rehabilitation (Buildings; Structures; Facilities)	X
Digital Elevation and Terrain Model Development	X	Research Facilities	
Digital Orthophotography		Resources Recovery; Recycling	
Dining Halls; Clubs; Restaurants		Rivers; Canals; Waterways; Flood Control	X
Disability / Special Needs	X	Roof Infrared Imaging to Identify Water Leaks	
Dredging Studies and Design		Roofing	
Ecological & Archaeological Investigations		Safety Engineering; Accident Studies; OSHA	X
Educational Facilities; Classrooms		Security Systems; Intruder & Smoke Detection	
Electrical Studies and Design		Seismic Designs & Studies	X

## REVISED Attachment II - Qualifications Form

Electronics		Sewage Collection, Treatment and Disposal	X
Elevators; Escalators; People-Movers		Soils & Geologic Studies; Foundations	
Energy / Water Auditing Savings		Solar Energy Utilization	
Energy Conservation; New Energy Sources		Solid Wastes; Incineration; Landfill	
Environmental Impact Studies, Assessments or	X	Special Environments; Clean Rooms, Etc.	
Fallout Shelters; Blast-Resistant Design		Specifications Writing	X
Fire Protection		Storm Water Handling & Facilities	X
Fisheries and Fish Ladders		Structural Design; Special Structures	X
Forensic Engineering		Surveying; Platting; Mapping; Flood Plain Studies	X
Garages; Vehicles Maintenance Facilities; Parking		Sustainable Design	
Gas Systems (Propane; Natural; Etc.)		Swimming Pools	
Geodetic Surveying: Ground and Aireborn		Testing & Inspection Services	
Heating; Ventilating; Air Conditioning		Topographic Surveying and Mapping	X
Highways; Streets; Airfield Paving; Parking Lots	X	Towers (Self-Supporting & Guyed Systems)	
Historical Preservation		Toxicology	
Hospital & Medical Facilities		Traffic & Transportation Engineering	X
Hotels; Motels		Traffic Studies	X
Housing (Residential, Multi-Family; Apartments;		Transportation	X
Hydraulics & Pneumatics		Tunnels & Subways	X
Hydrographic Surveying	X	Urban Renewals; Community Development	X
Industrial Buildings; Manufacturing Plants		Utilities (Gas and Steam)	
Industrial Processes; Quality Control		Value Analysis; Life-Cycle Costing	X
Industrial Waste Treatment		Warehouses & Depots	
Infrastructure	X	Waste Water Treatment Facility	X
Intelligent Transportation Systems	X	Water Resources; Hydrology; Ground Water	X
Irrigation; Drainage	X	Water Supply; Treatment and Distribution	X
Judicial and Courtroom Facilities		Water Well Rehabilitation; Water Well Work	X
Laboratories; Medical Research Facilities		Wind Tunnels; Research/Testing Facilities Design	
Labs - General		Zoning; Land Use Studies	X