

**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:	SmithGroupJJR, Inc.
b.	FIRM (OR BRANCH OFFICE) STREET:	455 N. Third St, Suite 250
c.	FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d.	FIRM (OR BRANCH OFFICE) STATE:	AZ
e.	FIRM (OR BRANCH OFFICE) ZIP CODE:	85004
f.	YEAR ESTABLISHED:	1973 (Phoenix) / 1903 (year of incorporation)
(g1).	OWNERSHIP - TYPE:	Corporation
(g2).	OWNERSHIP - SMALL BUSINESS STATUS:	No
h.	POINT OF CONTACT NAME AND TITLE:	Brad Woodman, AIA; Office Director
i.	POINT OF CONTACT TELEPHONE NUMBER:	602.265.2200
j.	POINT OF CONTACT E-MAIL ADDRESS:	brad.woodman@smithgroupjjr.com
k.	NAME OF FIRM (If block 1a is a branch office):	

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2. EMPLOYEES BY DISCIPLINE

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
Architects		217	38
CADD Technician		10	2
Construction Manager		2	1
Electrical Designer		27	8
Electrical Engineer		19	6
Fire Protection Engineer		4	1
Landscape Architects		57	6
Mechanical Engineers		5	1
Project Manager		14	1
Other		374	66
Total		806	130

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

a. Approximate No. of Projects	b. Experience	c. Revenue Index Number (see below)
3	Airports	4
4	Computer Facilities	2
8	HVAC	3
45	Hospital and Medical Facilities	6
2	Electrical Studies and Design	2
22	Research	6
49	Office Buildings	6
2	Design & Planning Structured Parking Facilities	1
1	Housing	2
4	Area Master Planning	3
43	Landscape	4
17	Educational Facilities	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 |

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Brad Woodman, AIA, NCARB, LEED AP BD+C	b. ROLE IN THIS CONTRACT Office Director / Science & Technology	c. YEARS EXPERIENCE	
		1. TOTAL 23	2. WITH CURRENT FIRM 9
d. FIRM NAME AND LOCATION (City and State) Phoenix, Arizona		Studio Leader	
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Architecture, Texas Tech University		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Architect: AZ, NV, UT, NM, TX National Council of Architectural Registration Boards Certified LEED Accredited Professional AP BD+C American Institute of Architects Member	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Brad Woodman is the Office Director of SmithGroupJJR's Phoenix office and has over 23 years of experience in the architectural field. In addition, he leads the Phoenix Science & Technology Studio and is involved with the National S&T Corporate Practice. Brad also serves on the SmithGroupJJR board of directors. Published and a presenter in numerous public forums, Brad's experience includes the design, planning and construction of biotech, bioscience, biomedical, energy labs as well as forensic and health science laboratories throughout the U.S. and Canada.			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Phoenix Sky Harbor Airport, Terminal 3 Renovation Phoenix, Arizona	(2) Year Completed tbd	
		Professional Services tbd	Construction (if applicable) tbd
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The Project will provide flexibility through an incremental development, improve customer service for the traveling public, and provide more efficient operations for airlines. The Project is broken into three distinct components to maximize the flexibility to accommodate changes in airline markets or other economic conditions that impact passenger activity. The Project was developed using current passenger forecasts and all cost estimates are provided in current dollars. Project budget: \$500 million		
2)	(1) TITLE AND LOCATION (City and State) National Renewable Energy Laboratory Energy Systems Integration Facility, Golden, Colorado	(2) Year Completed 2013	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A 182,500 sf, \$135 million high profile facility that supports research, engineering, design, testing, and analysis of components to enable economic and reliable integration of renewable power generation within the US. Contains high bay lab, data center, and administrative space. Targeting LEED Platinum certification.		
3)	(1) TITLE AND LOCATION (City and State) Maricopa County Sheriff's Office Crime Lab Phoenix, Arizona	(2) Year Completed 2011	
		Professional Services 2011	Construction (if applicable) 2011
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Renovation of an existing building for use by the Maricopa County Sheriff's Office as a Crime and Photography Lab. Services include programming, design and construction administration for the 13,000 square foot facility, including specialized furniture, fixtures and equipment. \$2.4 million construction budget.		
4)	(1) TITLE AND LOCATION (City and State) International Genomics Consortium/Translational Genomics Research Institute (IGC/TGEN) Headquarters, Phoenix, Arizona	(2) Year Completed 2013	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The 175,000 sf facility serves as the headquarters for the International Genomics Consortium (IGC) and the Translational Genomics Institute (TGen). Inside, a consortium of renowned researchers conduct biomedical research to target the development of new treatments and cures for cancer, diabetes and other diseases. \$52.6 million. Project Director.		
5)	(1) TITLE AND LOCATION (City and State) National Institute of Standards and Technology Building One Renovation, Boulder, Colorado	(2) Year Completed 2013	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Renovation of approximately 185,000 gross square feet of Building 1 which will provide a stable environment for the science and is a necessity for NIST's continued long-term support of US industrial competitiveness in the world market. Being designed to achieve a minimum of LEED Silver Certification.		

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Martha dePlazaola Abbott, LEED AP BD+C	b. ROLE IN THIS CONTRACT Principal-in-Charge	c. YEARS EXPERIENCE	
		1. TOTAL 23	2. WITH CURRENT FIRM 6
d. FIRM NAME AND LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Architecture, University of Florida, College of Architecture		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) LEED Accredited Professional AP BD+C	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Martha dePlazaola Abbott is Project Director and the Workplace Studio Leader for SmithGroupJJR's Phoenix office. She has more than 23 years of experience in corporate, commercial, higher education, broadcast, civic and retail projects. Her diverse experience and ability to coordinate, manage and participate in the project process from the programming and design through construction administration. Martha has managed and been involved in many high profile and award winning projects in which her ability to foster relationships and gain the trust and commitment of both clients and team members have been instrumental in her success as a project leader.			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Phoenix Sky Harbor Airport, Terminal 3 Renovation Phoenix, Arizona	(2) Year Completed tbd	
		Professional Services tbd	Construction (if applicable) tbd
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The Project will provide flexibility through an incremental development, improve customer service for the traveling public, and provide more efficient operations for airlines. The Project is broken into three distinct components to maximize the flexibility to accommodate changes in airline markets or other economic conditions that impact passenger activity. The Project was developed using current passenger forecasts and all cost estimates are provided in current dollars. Project budget: \$500 million		
2)	(1) TITLE AND LOCATION (City and State) Wells Fargo Chandler Campus Expansion Chandler, Arizona	(2) Year Completed 2015	
		Professional Services 2015	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Design and construction of two new 4-story office buildings (205,000 gsf each), one 3-level parking garage and 1,175 additional surface parking on approximately 25 acres of a 62.59 acre site.		
3)	(1) TITLE AND LOCATION (City and State) Northern Arizona Real Estate Holdings Office Building Flagstaff, Arizona	(2) Year Completed 2012	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The 3-story building provides 45,000 sf of consolidation office space for several departments that were scattered throughout the campus. Although not a LEED certified project, the Design/Build team were tasked with meeting a LEED Silver standard for the building.		
4)	(1) TITLE AND LOCATION (City and State) 100K Consolidated Ogden, Utah	(2) Year Completed 2012	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The new building is a 115,000 sf four story consolidation project for the IRS in Ogden, Utah. This new facility utilizes sustainable strategies and state of the art technologies (infrastructure and security) to combine seven departments that occupied several buildings around the city. The site has been designed to accommodate approximately 275 parking spaces. The building is LEED Gold certification. Project Manager.		
5)	(1) TITLE AND LOCATION (City and State) Phoenix School of Law Phoenix, Arizona	(2) Year Completed 2012	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm 208,000 sf of administrative, classroom, library, and student commons space for the relocation of Phoenix School of Law. Additional amenities include a student center, cafe-deli, book store, fitness center, and outdoor student commons. \$9.3 million. Project Manager.		

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Mark Adams, RID, IIDA	b. ROLE IN THIS CONTRACT Principal, Interiors	c. YEARS EXPERIENCE	
		1. TOTAL 23	2. WITH CURRENT FIRM 5
d. FIRM NAME AND LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelors in Interior Design, Minor in Fine Arts, Harrington College of Design Architectural Studies, Iowa State University		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Interior Designer: Illinois International Interior Design Association International Facility Management Association CoreNet Global (Past Board Member)	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mark Adams is Principal and Workplace Studio Leader for Interior Architecture in the Phoenix office of SmithGroupJJR. With over 23 years experience as an interior designer, he has led projects as principal-in-charge, program and project manager as well as principal designer. Mark is well-versed in all aspects of design and has significant experience in leading large-scale programming efforts and supervising staff to ensure the success of client objectives. He is an award winning designer who has contributed his expertise as a presenter at Tradeline Conferences, additional national venues and as an editor to the AIA's Architects Handbook of Professional Practice.			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) DPR Construction Phoenix Regional Office Phoenix, Arizona	(2) Year Completed 2011	
		Professional Services 2011	Construction (if applicable) 2011
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Repositioning of a 16,500 sf, 28 year old retail building located within a Transit Oriented Development overlay in Phoenix. An open plan accommodates flexibility and the strategic transformation of this underutilized building is targeting LEED Platinum and Net Zero energy usage. Principal, Interior		
2)	(1) TITLE AND LOCATION (City and State) Wells Fargo Chandler Campus Expansion Chandler, Arizona	(2) Year Completed 2015	
		Professional Services 2015	Construction (if applicable) 2015
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Design and construction of two new 4-story office buildings (205,000 gsf each), one 3-level parking garage and 1,175 additional surface parking on approximately 25 acres of a 62.59 acre site.		
3)	(1) TITLE AND LOCATION (City and State) General Motors IT Innovation Center Chandler, Arizona	(2) Year Completed tbd	
		Professional Services tbd	Construction (if applicable) tbd
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm In an effort to expand their Innovation Center's around the country, GM is leasing a new 3 story, 170,000 sf building which will accommodate approximately 1,000 employees. The organization of the interior space is modeled after the 'Workplace Choices' corporate standards developed by GM. Each floor plate is arranged in neighborhoods that are strategically placed throughout the open office. Collaborative and social zones are nestled in the open office to support teaming. Community Common spaces are located at the centroid of the second and third floors and acts as gathering, eating and meeting space for all employees.		
4)	(1) TITLE AND LOCATION (City and State) Arizona Commerce Authority Phoenix, Arizona	(2) Year Completed 2011	
		Professional Services 2011	Construction (if applicable) 2011
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Tenant improvement within the Freeport-McMoRan Corporate Office tower in downtown Phoenix. ACA's main office is located on the east side of the 19th floor along with prime ground floor space for a variety of meeting and conference spaces. SmithGroupJJR has established a successful on-going design-build relationship with Perini Building Company and Freeport-McMoRan for the tenant improvements throughout the tower, designed by SmithGroupJJR. Principal-in-Charge.		
5)	(1) TITLE AND LOCATION (City and State) Aspect Regional Headquarters Phoenix, Arizona	(2) Year Completed 2013	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This 17,000 sf Regional Headquarters project was an exercise in brand creation. Aspect looked to SmithGroupJJR to develop their new space to reflect the progressive and dynamic nature of this technologies provider organization. The space is made up of open workstations and collaborative settings balanced by offices, conference and training rooms that have transparency in all so that the activity in the space is felt by both staff and visitors alike. Another critical component of the space was the widespread use of technology, which included the installation of dual 90" monitors in the product demonstration room. Principal-in-Charge.		

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Eric Kirkland, PE, LEED AP BD+C	b. ROLE IN THIS CONTRACT Director of Engineering	c. YEARS EXPERIENCE	
		1. TOTAL 35	2. WITH CURRENT FIRM 32
d. FIRM NAME AND LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science in Mechanical Engineering, University of Michigan		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer: AZ, CA, CO, FL, ID, MI, NM, NV, TX, UT LEED Accredited Professional AP BD+C	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Eric Kirkland, Director of Engineering for the Phoenix office of SmithGroupJJR, has more than thirty years of experience in engineering for building systems, including energy and life cycle analysis. Eric's design work has focused on the unique environmental design specifics that inform and influence the energy and sustainable performance of buildings. Eric has spoken at the prestigious Tradeline R&D conference and has been published in a variety of industry publications, including the ASHRAE Journal.			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Maricopa County Sheriff's Office Crime Lab Phoenix, Arizona	(2) Year Completed 2011	
		Professional Services 2011	Construction (if applicable) 2011
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Renovation of an existing building for use by the Maricopa County Sheriff's Office as a Crime and Photography Lab. Services include programming, design and construction administration for the 13,000 square foot facility, including specialized furniture, fixtures and equipment. \$2.4 million construction budget.		
2)	(1) TITLE AND LOCATION (City and State) Pima County Wireless Integrated Network Communication Facilities Tucson, Arizona	(2) Year Completed 2012	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project will provide dispatch facilities for the co-location of 4 jurisdictional agencies: Pima County Sheriff's Department and three County Fire Districts.		
3)	(1) TITLE AND LOCATION (City and State) General Motors IT Innovation Center Chandler, Arizona	(2) Year Completed tbd	
		Professional Services tbd	Construction (if applicable) tbd
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE In an effort to expand their Innovation Center's around the country, GM is leasing a new 3 story, 170,000 sf building which will accommodate approximately 1,000 employees. The organization of the interior space is modeled after the 'Workplace Choices' corporate standards developed by GM. Each floor plate is arranged in neighborhoods that are strategically placed throughout the open office. Collaborative and social zones are nestled in the open office to support teaming. Community Common spaces are located at the centroid of the second and third floors and acts as gathering, eating and meeting space for all employees.		
4)	(1) TITLE AND LOCATION (City and State) 100K Consolidated Ogden, Utah	(2) Year Completed 2012	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The new building is a 115,000 sf four story consolidation project for the IRS in Ogden, Utah. This new facility utilizes sustainable strategies and state of the art technologies (infrastructure and security) to combine seven departments that occupied several buildings around the city. The site has been designed to accommodate approximately 275 parking spaces. The building is LEED Gold certification.		
5)	(1) TITLE AND LOCATION (City and State) SRP-MIC Tribal Government Complex Phoenix Metropolitan Area, Arizona	(2) Year Completed 2009	
		Professional Services 2009	Construction (if applicable) 2009
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE An administration facility for the sovereign nation of the Salt River Pima-Maricopa Indian Community, this 140,000 sf facility houses various community departments including engineering/construction services, finance, tribal government leadership, intergovernmental relations, housing, general counsel, community relations, HR, public works, community development & cultural resources. A food service facility complements this project and features both Native American and special menus to address some of the special dietary needs of the Community. The complex includes various site features and hardscape demonstrative of their heritage and cultural aspects. An 8,000sf council chamber building includes tribal council offices, auditorium, meeting rooms and support spaces.		

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Rob Sty, PE, LEED AP BD+C	b. ROLE IN THIS CONTRACT Technologies Specialist	c. YEARS EXPERIENCE	
		1. TOTAL 15	2. WITH CURRENT FIRM 7
d. FIRM NAME AND LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science in Mechanical Engineering, University of Illinois, Chicago Professional Certificate in Advanced Project Management, Stanford University Sustainable Energy Conversion and Storage, Stanford University, SCPD Energy Innovation and Emerging Technologies, Stanford University, SCPD		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer: AZ LEED Accredited Professional BD+C Member AFCOM	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Robert Sty is the lead of SmithGroupJJR's Technologies Studio in Phoenix. Having begun his career in the mechanical engineering field, his knowledge base of HVAC systems and energy efficiency has served many of his clients in his role as Project Manager. Rob provides leadership and client interaction for many of SmithGroupJJR's commercial, military, manufacturing and mission critical clients, many of which require high levels of security and uptime. A published author and board member of professional organizations, Rob was recognized in 2009 by <i>Consulting Specifying Engineering Magazine's</i> top Forty under 40.			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Pima County Wireless Integrated Network Communication Facilities Tucson, Arizona	(2) Year Completed 2012	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project will provide dispatch facilities for the co-location of 4 jurisdictional agencies: Pima County Sheriff's Department and three County Fire Districts. <input checked="" type="checkbox"/> Check if project performed with current firm		
2)	(1) TITLE AND LOCATION (City and State) North Phoenix Data Center (Confidential Client) Phoenix, Arizona	(2) Year Completed tbd	
		Professional Services tbd	Construction (if applicable) tbd
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A 148,000 sf for lease data center with three 25,000 sf data processing rooms. The facility will accommodate 2,400 data cabinets with an average load density of 150 watts per sf. The data floor is conditioned from 24 twin fan airhandling units; four of the units are redundant as they are not required to meet the desired load. The chilled water plant is configured into two systems made up of five 500-ton chillers. Each plant provides for 50% of the overall building load with N+1 redundancy. The electrical service is backed up by eight 2MW standby diesel generators with 36-hour run time at 100% full load. Additionally each electrical service feeds UPS equipment providing 15 minutes of battery back-up power at the rack level. <input checked="" type="checkbox"/> Check if project performed with current firm		
3)	(1) TITLE AND LOCATION (City and State) Proposed East Valley Data Center (Confidential Client) Scottsdale, Arizona	(2) Year Completed 2013	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE 5,500 sq.ft. Tier III owner operated data center on a master planned community. The facility is designed to expand to without interruption of operation. MEP systems operate on a N+1, concurrently maintainable platform. Design goal of DOE Energy Star Rating for Data Centers. <input checked="" type="checkbox"/> Check if project performed with current firm		
4)	(1) TITLE AND LOCATION (City and State) Phoenix Sky Harbor Terminal 3 Core Network Room Phoenix, Arizona	(2) Year Completed 2013	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The MDF room is served from 2 critical environment 20-ton direct expansion air conditioning units (remote condensing units) with integral humidifiers, providing N+1 redundancy. The air supply is ducted in an overhead distribution system with registers laid out to provide cold supply air in front of electronic cabinets and racks. Return air is collected high at the ceiling of the MDF room. A computational fluid dynamics model of the space was completed to validate the performance of the systems. <input checked="" type="checkbox"/> Check if project performed with current firm		
5)	(1) TITLE AND LOCATION (City and State) SRP-MIC Tribal Government Complex Phoenix Metropolitan Area, Arizona	(2) Year Completed 2009	
		Professional Services 2009	Construction (if applicable) 2009
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE An administration facility for the sovereign nation of the Salt River Pima-Maricopa Indian Community, this 140,000 sf facility houses various community departments including engineering/construction services, finance, tribal government leadership, intergovernmental relations, housing, general counsel, community relations, HR, public works, community development & cultural resources. A food service facility complements this project and features both Native American and special menus to address some of the special dietary needs of the Community. The complex includes various site features and hardscape demonstrative of their heritage and cultural aspects. An 8,000sf council chamber building includes tribal council offices, auditorium, meeting rooms and support spaces. <input checked="" type="checkbox"/> Check if project performed with current firm		

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Mark Kranz, AIA, NCARB, LEED AP BD+C	b. ROLE IN THIS CONTRACT Design Principal	c. YEARS EXPERIENCE	
		1. TOTAL 15	2. WITH CURRENT FIRM 13
d. FIRM NAME AND LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science in Architectural Studies, Honor Graduate High Distinction, University of Nebraska - Lincoln Master in Architecture, with Honors, Thesis Prize, McRae Foundation Thesis Award, Arizona State University		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Architect: AZ, GA National Council of Architectural Registration Boards Certified LEED Accredited Professional AP BD+C American Institute of Architects Member	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mark Kranz is a Vice President and leads design in the Phoenix office. In addition to being published and publicly speaking, his work is consistently recognized by the design and construction industries, as well as the community at large. Mark is an enthusiastic leader who is passionate about great design, while understanding the larger picture relative to project success with an unconventional definition of design excellence. He often asserts that "architecture is not about architects" and looks to clients, contractors and the subcontracting community to be creative in their own way. This unique approach to design leadership consistently yields unexpected and innovative results with broader consensus and a sense of contribution and success from everyone involved.			

H. RELEVANT PROJECTS			
1)	(1) TITLE AND LOCATION (City and State) National Renewable Energy Laboratory Energy Systems Integration Facility, Golden, Colorado	(2) Year Completed 2013	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A 182,500 sf, \$135 million high profile facility that supports research, engineering, design, testing, and analysis of components to enable economic and reliable integration of renewable power generation within the US. Contains high bay lab, data center, and administrative space. Targeting LEED Platinum certification.	<input checked="" type="checkbox"/> Check if project performed with current firm	
2)	(1) TITLE AND LOCATION (City and State) Gateway Community College New Integrated Education Building Phoenix, Arizona	(2) Year Completed 2012	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A 121,000 gsf multi-story facility housing classrooms, life/physical science labs, library and computer commons, and one-stop student services center. Targeting LEED Silver Certification. \$34 million. Design Principal.	<input checked="" type="checkbox"/> Check if project performed with current firm	
3)	(1) TITLE AND LOCATION (City and State) University of Arizona Engineering Innovation Building Tucson, Arizona	(2) Year Completed 2016	
		Professional Services 2015	Construction (if applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE A new 135,000 gsf facility that will provide research labs and research offices for faculty from the School of Sustainable Engineered Systems and Biomedical Engineering. The project will be LEED Silver at a minimum, although LEED Platinum is the goal. \$42 million. Design Principal.	<input checked="" type="checkbox"/> Check if project performed with current firm	
4)	(1) TITLE AND LOCATION (City and State) Arizona Biomedical Collaborative - Building 1 Phoenix, Arizona	(2) Year Completed 2007	
		Professional Services 2007	Construction (if applicable) 2007
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The 85,000 gsf biomedical translational research facility's primary function is to support biomedical research and includes such research disciplines as biology, chemistry and biomedical informatics and contains a core research NMR (nuclear magnetic resonance). LEED Gold Certified. Design Principal	<input checked="" type="checkbox"/> Check if project performed with current firm	
5)	(1) TITLE AND LOCATION (City and State) Taylor Place: Arizona State University Downtown Residence Hall Phoenix, Arizona	(2) Year Completed 2008	
		Professional Services 2008	Construction (if applicable) 2008
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE 366,500 sf mixed-use structure containing 10,000 sf of retail space at street level with two 12 story towers of residential student housing, a dining/servery hall and multiple interaction spaces on each level. The first tower, containing 744 beds, was designed for freshman in a two-bed-per-room format, while tower two, with 540 beds geared toward sophomores with a private, one-bed-per-room arrangement. \$120 million. Design Principal.	<input checked="" type="checkbox"/> Check if project performed with current firm	

**RFQ# ADSP014-00003465, Annual Request for Qualifications and Experience
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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Barnabas Bagby, PE, LEED AP BD+C, NCEES	b. ROLE IN THIS CONTRACT Principal, Electrical Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 40	2. WITH CURRENT FIRM 15
d. FIRM NAME AND LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Associate General Studies, Phoenix College		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Professional Engineer: AZ, AR, CA, CO, HI, KS, NV, OK, OR, TX, WA, WV LEED Accredited Professional AP BD+C National Council of Examiners for Engineering and Surveying	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) With over 40 years of experience in electrical engineering, Barnabas Bagby leads the SmithGroupJJR electrical engineering team in the Phoenix office. Professionally registered in twelve states, Barney's portfolio includes design and engineering of educational, healthcare, correctional, commercial, industrial and residential projects. A seasoned project manager, he has performed code studies, estimating, lighting system comparative analysis, short circuit/coordination studies, sound and intercommunication systems, as well as, voice, video and data cabling, security systems and energy management systems.			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Maricopa County Sheriff's Office Crime Lab Phoenix, Arizona	(2) Year Completed 2011	
		Professional Services 2011	Construction (if applicable) 2011
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Renovation of an existing building for use by the Maricopa County Sheriff's Office as a Crime and Photography Lab. Services include programming, design and construction administration for the 13,000 square foot facility, including specialized furniture, fixtures and equipment. \$2.4 million construction budget.		
2)	(1) TITLE AND LOCATION (City and State) Chandler City Hall and Parking Structure Chandler, Arizona	(2) Year Completed 2010	
		Professional Services 2010	Construction (if applicable) 2010
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Chandler City Hall was designed to consolidate a number of city administration offices and service departments that interact with the public. The concept is that through a complex of building components and structured parking across two downtown city blocks, the needs of the government are met in an efficient convenient fashion comprising a total of 125,000 sf. An additional 25,000 sf for the City of Chandler Museum is incorporated into the complex. The project is LEED Certified Gold.		
3)	(1) TITLE AND LOCATION (City and State) University of Arizona Engineering Innovation Building Tucson, Arizona	(2) Year Completed 2016	
		Professional Services 2015	Construction (if applicable) 2016
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A new 135,000 gsf facility that will provide research labs and research offices for faculty from the School of Sustainable Engineered Systems and Biomedical Engineering. The project will be LEED Silver at a minimum, although LEED Platinum is the goal. \$42 million.		
4)	(1) TITLE AND LOCATION (City and State) Gateway Community College New Integrated Education Building Phoenix, Arizona	(2) Year Completed 2012	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A 121,000 gsf multi-story facility housing classrooms, life/physical science labs, library and computer commons, and one-stop student services center. Targeting LEED Silver Certification. \$34 million.		
5)	(1) TITLE AND LOCATION (City and State) Pima County Wireless Integrated Network Communication Facilities Tucson, Arizona	(2) Year Completed 2012	
		Professional Services 2012	Construction (if applicable) 2012
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project will provide dispatch facilities for the co-location of 4 jurisdictional agencies: Pima County Sheriff's Department and three County Fire Districts.		

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Jeff Stanton, AIA, NCARB, LEED AP BD+C	b. ROLE IN THIS CONTRACT Sustainability Specialist	c. YEARS EXPERIENCE	
		1. TOTAL 30	2. WITH CURRENT FIRM 25
d. FIRM NAME AND LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Arts in Architecture, Tulane University Master of Arts in Architecture, Tulane University		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Architect: AZ, IL, CO, NM National Council of Architectural Registration Boards Certified LEED Accredited Professional AP BD+C American Institute of Architects Member U.S. Green Building Council, Member, Arizona Chapter, Vice Chair	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) For over 13 years, Jeff Stanton has been the sustainable business unit leader for SmithGroupJJR's Phoenix office, overseeing the facilitation and implementation of sustainable design principles within every project. Jeff has more than 30 years overall experience as project architect/manager on new and renovated buildings for both public and private sector clients in all phases of project development from programming through construction administration. He has particular expertise as a strong technical architect on large, complex and technically challenging projects.			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) National Renewable Energy Laboratory Energy Systems Integration Facility, Golden, Colorado	(2) Year Completed 2013	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A 182,500 sf, \$135 million high profile facility that supports research, engineering, design, testing, and analysis of components to enable economic and reliable integration of renewable power generation within the US. Contains high bay lab, data center, and administrative space. Targeting LEED Platinum certification.		
2)	(1) TITLE AND LOCATION (City and State) Chandler City Hall and Parking Structure Chandler, Arizona	(2) Year Completed 2010	
		Professional Services 2010	Construction (if applicable) 2010
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Chandler City Hall was designed to consolidate a number of city administration offices and service departments that interact with the public. The concept is that through a complex of building components and structured parking across two downtown city blocks, the needs of the government are met in an efficient convenient fashion comprising a total of 125,000 sf. An additional 25,000 sf for the City of Chandler Museum is incorporated into the complex. The project is LEED Certified Gold.		
3)	(1) TITLE AND LOCATION (City and State) Arizona Biomedical Collaborative - Building 1 Phoenix, Arizona	(2) Year Completed 2007	
		Professional Services 2007	Construction (if applicable) 2007
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The 85,000 gsf biomedical translational research facility's primary function is to support biomedical research and includes such research disciplines as biology, chemistry and biomedical informatics and contains a core research NMR (nuclear magnetic resonance). LEED Gold Certified. LEED Project Administrator.		
4)	(1) TITLE AND LOCATION (City and State) National Renewable Energy Laboratory Energy Systems Integration Facility, Golden, Colorado	(2) Year Completed 2013	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A 182,500 sf, \$135 million high profile facility that supports research, engineering, design, testing, and analysis of components to enable economic and reliable integration of renewable power generation within the US. Contains high bay lab, data center, and administrative space. Targeting LEED Platinum certification.		
5)	(1) TITLE AND LOCATION (City and State) Papago Gateway Center Tempe, Arizona	(2) Year Completed 2008	
		Professional Services 2008	Construction (if applicable) 2008
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Located in Tempe, Arizona at the North West corner of Mill Avenue and Washington Street, this project will consist of a six-story mixed-use building providing a total of 267,000 square feet and a parking structure containing 933 parking spaces. Focusing on flexibility, this structure will accommodate both office space as well as wet and dry laboratory space. Papago Gateway Center has been pre-certified by the US Geen Building Council and is looking to become one of the first buildings in Arizona to receive LEED-CS Certification under a pilot program for core and shell projects. LEED Project Administrator.		

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4. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (Complete one Section 4 for each key person.)

a. NAME Adam Denmark, AIA, LEED AP BD+C	b. ROLE IN THIS CONTRACT Principal, Lab Planner/Forensic Specialist	c. YEARS EXPERIENCE	
		1. TOTAL 15	2. WITH CURRENT FIRM 11
d. FIRM NAME AND LOCATION (City and State) Phoenix, Arizona			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Architecture, University of Arizona		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Architect: AZ LEED Accredited Professional AP BD+C American Institute of Architects Member	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Adam Denmark has 15 years of targeted experience in all project phases of laboratory design and construction. He serves as a laboratory planning and design architect at SmithGroupJJR, working as a liaison with owner, user groups and the design team. Adam's areas of expertise include forensic science, forensic medicine, research, as well as BSL-3 (Biosafety Level 3) facility design. His recent work includes facilities for research, material analysis, forensic science and medicine, mass casualty and BSL units on projects such as the Ontario Forensic Services and Coroner's Complex, New Mexico Scientific Laboratories, Joint POW/MIA Accounting Command Forensic Identification Laboratory, Denver Police Department Crime Lab and the U.S. CBP Southwest Regional Science Center in Houston.			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Maricopa County Sheriff's Office Crime Lab Phoenix, Arizona	(2) Year Completed 2011	
		Professional Services 2011	Construction (if applicable) 2011
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Renovation of an existing building for use by the Maricopa County Sheriff's Office as a Crime and Photography Lab. Services include programming, design and construction administration for the 13,000 square foot facility, including specialized furniture, fixtures and equipment. \$2.4 million construction budget.		
2)	(1) TITLE AND LOCATION (City and State) Denver Police Crime Lab Denver, Colorado	(2) Year Completed 2011	
		Professional Services 2011	Construction (if applicable) 2011
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This new facility is approximately 60,000 gsf. Among other upgrades, the new crime laboratory facility will provide more space for analysis of forensic evidence and crime scene investigation support.		
3)	(1) TITLE AND LOCATION (City and State) National Institute of Standards and Technology Building One Renovation, Boulder, Colorado	(2) Year Completed 2013	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Renovation of approximately 185,000 gross square feet of Building 1 which will provide a stable environment for the science and is a necessity for NIST's continued long-term support of US industrial competitiveness in the world market. Being designed to achieve a minimum of LEED Silver Certification.		
4)	(1) TITLE AND LOCATION (City and State) National Renewable Energy Laboratory Energy Systems Integration Facility, Golden, Colorado	(2) Year Completed 2013	
		Professional Services 2013	Construction (if applicable) 2013
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm A 182,500 sf, \$135 million high profile facility that supports research, engineering, design, testing, and analysis of components to enable economic and reliable integration of renewable power generation within the US. Contains high bay lab, data center, and administrative space. Targeting LEED Platinum certification.		
5)	(1) TITLE AND LOCATION (City and State) Arizona Biomedical Collaborative - Building 1 Phoenix, Arizona	(2) Year Completed 2007	
		Professional Services 2007	Construction (if applicable) 2007
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The 85,000 gsf biomedical translational research facility's primary function is to support biomedical research and includes such research disciplines as biology, chemistry and biomedical informatics and contains a core research NMR (nuclear magnetic resonance). LEED Gold Certified. LEED Project Administrator.		

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

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

a. TITLE AND LOCATION <i>(City and State)</i>		b. YEAR COMPLETED	
DPR Construction Phoenix Regional Office Phoenix, Arizona		PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If applicable)</i> 2011
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER	d. DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT	
DPR Construction	Not available	\$3,762,000 (construction cost)	

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

A living laboratory for the community, DPR Construction's Regional Office is a unique example of **urban revitalization** and **sustainability**. The project was a **repositioning** of a 16,500 sf, 28 year old retail building located within a Transit Oriented Development overlay along the new light-rail corridor connecting downtown Phoenix and nearby Tempe. Conceptualized as a "net-zero energy workplace of the future", SmithGroupJJR created an open-office environment housing 58 workstations and floater spaces, nine conference/training/innovation/mediated technology rooms, support spaces, fully-equipped gym/locker facilities, and a zen room for a quiet retreat. SmithGroupJJR incorporated passive/active cooling solutions including 87 operable windows, four shower towers, an 87-foot long, zinc-clad solar chimney, and a 79 kW-dc rated photovoltaic solar panel covered parking lot to control the indoor environment naturally and produce energy onsite. A Lucid Building Dashboard® system is utilized to allow DPR to monitor and share building water and gas usage, lighting and power consumption, and photovoltaic energy production in real time.

With a concentrated goal for a high level of LEED® certification and Net Zero energy usage, SmithGroupJJR created an **adaptive response to the environment** via innovative building solutions. The office utilizes rapidly renewable wood products, recycled and reused materials, and adapts alternative ways to light and condition the space by incorporating natural ventilation through the use of operable windows, shower towers, a solar chimney and Big Ass Fans® to drastically reduce the building's power demand. The expansive walls of windows and 82 strategically positioned Solatubes® nearly eliminates the need for artificial daytime lighting 365 days a year.

This experimental project was a laboratory for design and construction processes and a **model for sustainable infill development** within the Phoenix metropolitan area.

DPR's Phoenix regional office is the first commercial office building in Arizona and the second in the nation to achieve Net-Zero Energy Building (NZE) certification from the International Living Future Institute's Living Building Challenge. It's also the largest building in the world with this certification. To date, there are only four NZEB-certified buildings.



Before



After

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

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

a. TITLE AND LOCATION <i>(City and State)</i> Chandler City Hall Chandler, Arizona		b. YEAR COMPLETED	
		PROFESSIONAL SERVICES 23	CONSTRUCTION <i>(If applicable)</i> 9
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER City of Chandler	d. DOLLAR AMOUNT OF PROJECT not available	e. TOTAL COST OF PROJECT \$47 million	

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

Chandler City Hall was designed to **consolidate a number of city administration offices and service departments** that interact with the public from different areas of the city. The concept is that through a complex of building components and **structured parking** across two downtown city blocks, the needs of the government are met in an efficient and convenient fashion comprising a total of 137,700 sf. The project is **LEED Certified Gold**.

The administrative areas are open and **highly flexible**. Common functions are shared creating a more global working environment. Most core related functions have been set to the exterior of the building allowing for a clean and narrow floor plate that is efficient and **promotes collaboration** as well as a high performance workplace. The building boasts daylight and views and incorporates a raised floor for heating and cooling.

“The SmithGroupJJR design team spent time listening to and talking with elected officials, community stakeholders and employees to determine the key features that were needed in our new facility. The final design was innovative and reflected that input, creating a dynamic City Hall complex.”

Marian Norris, Assistant to the City Manager for the City of Chandler.



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

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

a. TITLE AND LOCATION <i>(City and State)</i> Northern Arizona Real Estate Holdings (NAREH) Office Building Flagstaff, Arizona	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(If applicable)</i> 2012

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Northern Arizona Real Estate Holdings	d. DOLLAR AMOUNT OF PROJECT \$9 million	e. TOTAL COST OF PROJECT \$9.7 million <i>(with owner additions)</i>
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Located on a slender wooded site near the edge the NAU campus in Flagstaff Arizona, this 3-story building provides 45,000 sf of **consolidation office space** for several departments currently scattered throughout the campus. Seen as a “back of house” building, the Design/Build team was challenged with providing a fully functional building surpassing their current status and yet creating an environment that would foster collaboration and encourage productivity.

Although not a LEED certified project, the Design/Build team has been tasked with meeting a LEED Silver standard for the building. With less than a year for design and construction, it was critical that the team work together in an integrated manner to provide the best product while meeting the tight deadlines.

With tight budgetary (\$200 sf project cost) and schedule constraints (design & construct 12 months), envelope construction needed to balance cost with speed of erection and thermal performance. Systems were evaluated based on their simplicity, ease of installation, thermal and infiltration performance. A 3” metal panel system was selected which not only reduced energy needs by 13%, it eliminated the need for interior build-out and finish work typically associated with many skin systems.



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5. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		
(Present no more than five (5) projects. Complete one Section 5 for each project.)		
a. TITLE AND LOCATION (City and State)	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Phoenix School of Law Phoenix, Arizona	23	9
23. PROJECT OWNER'S INFORMATION		
c. PROJECT OWNER	d. DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
Infilaw System	n/a	\$3.9m (phase I) / \$7.9m (phase II)

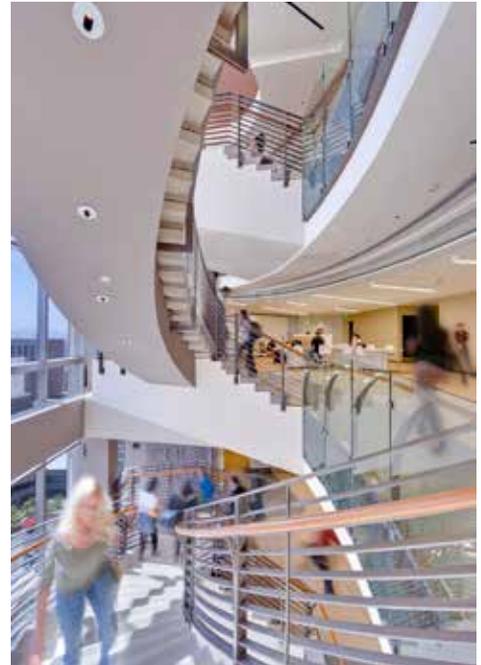
f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)

Phase I

With The Phoenix School of Law growing at a rapid pace SmithGroupJJR was asked to act fast and design interim space critically needed in order to accommodate their expanding student body. While simultaneously planning their 205,000 SF future space at One North Central, SmithGroupJJR was asked to make some modifications to their existing facility to accommodate their growing student body as a hold over until the new space could be designed and built.

Phase II

SmithGroupJJR designed the new law school location with the intent of bringing an experienced and fresh approach to the institution. As **repurposed space** located within the Phelps Dodge Tower on floors 13-20, Phase I and Phase II combine for a total of 205,000 sf. and will house 1,400 students when completed. Phase I included a **fast-track design and build out** of two academic floors including classrooms, administrative offices and student function and study spaces. Phase II included administrative, classrooms, a two floor library and student commons space. Additional amenities include a student center, cafe-deli and outdoor student commons.



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

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

a. TITLE AND LOCATION <i>(City and State)</i> City of Phoenix - Phoenix Sky Harbor International Airport Terminal 3 Modernization, Phoenix, Arizona		b. YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
23. PROJECT OWNER'S INFORMATION			
c. PROJECT OWNER City of Phoenix	d. DOLLAR AMOUNT OF PROJECT \$500 million (project budget)	e. TOTAL COST OF PROJECT n/a	

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

The Project will provide flexibility through an incremental development, improve customer service for the traveling public, and provide more efficient operations for airlines. The Project is broken into three distinct components to maximize the flexibility to accommodate changes in airline markets or other economic conditions that impact passenger activity. The Project was developed using current passenger forecasts and all cost estimates are provided in current dollars. The overall Project budget is \$500 million (hard and soft costs) which includes the Terminal 3 Modernization with three distinct components and the potential decommissioning and/or demolition of Terminal 2.



6. ADDITIONAL INFORMATION

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

About SmithGroupJJR

Celebrating over 160 years of continuous operation, we are one of the largest architectural, engineering, planning, and interiors firms in the nation, with over 800 employees in 10 offices. SmithGroupJJR operates as one firm and has offices in not only Phoenix, but also Ann Arbor, MI; Chicago, IL; Dallas, TX; Detroit, MI; Los Angeles, CA; Madison, WI; Washington, D.C.; San Francisco, CA; and Shanghai, China.

Our Arizona office, established 40 years ago, has experienced steady and successful growth, and currently maintains a staff of 130 professionals. Within our Arizona Office is our Phoenix Workplace Studio which is committed to projects similar in nature to the future projects of the State of Arizona. We specialize in Office Workplace, Sustainable and LEED Certified buildings. We provide Programming with a proprietary tool known as WorkSim, Interior Design, Planning, and Engineering services.

SmithGroupJJR's structure and philosophy is based upon a multi-disciplined team approach, grouping dedicated

professionals into one cohesive team committed to the concept that focused teams create successful projects.

Philosophy

We naturally incorporate Sustainability into our design - it is an integral practice for us to consider 1. building orientation based on the solar path. We approach every building from a **regional perspective** understanding each locale's unique environmental and urban conditions.

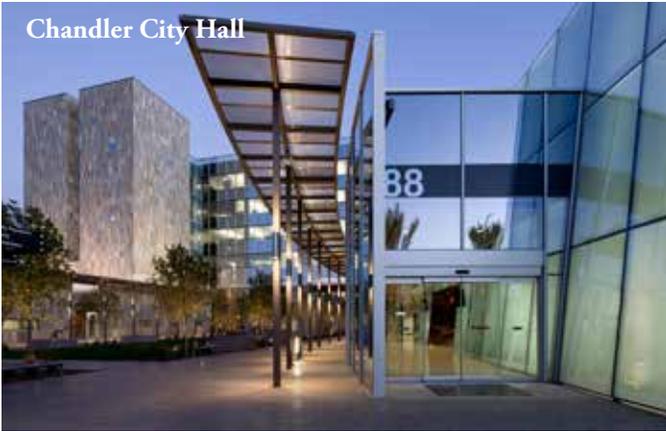
In addition, we look at 2. **Performance Strategies-consuming less energy** is at the forefront of sustainable strategies and can affect the building site, building envelope, interior finishes and components, mechanical system, and electrical system.

There are numerous 3. Benefits for employers and employees when utilizing sustainable strategies including financial, health, personal comfort, productivity and even branding.



6. ADDITIONAL INFORMATION (continued)

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



Chandler City Hall

Design Process

The design process really begins with **active listening** and research. It is imperative that the design team understands your needs, goals and aspirations. Working closely with you in a workshop setting during the design process enables a collaborative experience. The end users should feel that they are a part of the design process with the architects, engineers and designers.

Typically the process is structured around regularly scheduled meetings with presentations of the progress and milestones accomplished since the previous meeting. A quick iterative process allows for feedback and development of concepts with consensus. With the use of computer modeling, multiple options are presented and basic modifications can be made real time. These digital processes enable flexibility in sharing information through web based presentations, emailed documents or presentations to multiple stakeholders.

The LEED goals need to be continuously validated with design directions and decisions. To meet the needs of a net-zero energy building, energy and performance will be at the heart of every decision. To facilitate this, an integrated design approach is critical. The owner, architect, engineers and contractor working together can make recommendations, test them and validate them with consensus. Energy modeling, daylight analysis and other systems modeling will be used to help demonstrate the value of design solutions as well as validate LEED goals. At the same, SmithGroupJJR realizes that not all projects call for LEED certification. We do, however, apply those strategies when beneficial to the project and client.



Gammage and Burnham

Sustainable Design

The SmithGroupJJR Team is deeply committed to sustainable design principles as routine practice. SmithGroupJJR is one of the founding members of the U.S. Green Building Council and were part of the pilot process that developed the council's Leadership in Energy and Environmental Design (LEED) program. SmithGroupJJR currently has eight LEED Platinum certified projects throughout the United States.

Sustainable design is at the core of every SmithGroupJJR project. We've long taken the lead on innovative strategies for resource efficiency, routinely incorporating tools such as the LEED rating system in all of our projects. We continue to raise the bar by adopting the rigorous energy standards of the New Architecture 2030 Challenge.



Freeport-McMoRan Center

Before the founding of the USGBC and long before the invention of the LEED Rating System, we were contributing to sustainable design literature through ground-breaking projects like the 365,000 square foot National Conservation Training Center for the US Fish

6. ADDITIONAL INFORMATION *(continued)*



**First “Net Zero” in Phoenix, AZ:
DPR Headquarters**

and Wildlife Service (above right). This pioneering project of the early 1990s was well-recognized for its energy efficiency, waste treatment systems, storm water wetlands, healthy finishes and habitat restoration.

We celebrated the advent of LEED with the completion of the first LEED Platinum project, the Phillip Merrill Environmental Center for the Chesapeake Bay Foundation, a decade ago. The recognition of the Merrill Center led to its being extensively studied by the National Renewable Energy Laboratory (NREL) post-occupancy.

In the intervening decade, we have continued to search for ever more high-performance solutions. Our 102 LEED Certified projects include an industry-leading 10 Platinum projects. Notable among these is the 71,000 square foot Science and Technology Facility for NREL, which comes very close to achieving operational carbon neutrality through a reduction of energy use by 53% coupled with the use of on-site bio-gas and the purchase of off-site wind energy.

SmithGroupJJR recently completed the DPR Construction Regional Phoenix Office which is the first commercial office building in Arizona and the second in the nation to achieve Net-Zero Energy Building (NZEB) certification from the International Living Future Institute’s Living Building Challenge. It’s also the largest building in the world with this certification.

We feel that through our integrated approach and proven experience, we will delve into all possibilities and emerge with a strategy that is most feasible and appropriate for this project.

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:	68%
b.	Percentage of Total Work Attributable to Non-Government Work:	32%

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

Signature: 

Date: 12/12/13

Name: A. Bradley Woodman

Title: Office Director