



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

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

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

1. Annual Request for Qualifications

a. FIRM (OR BRANCH OFFICE) NAME:	Bridgers & Paxton Consulting Engineers
b. FIRM (OR BRANCH OFFICE) STREET:	11209 North Tatum Blvd., Suite 160
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	AZ
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85028
f. YEAR ESTABLISHED:	1951
(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Privately Owned not a small business
h. POINT OF CONTACT NAME AND TITLE:	Steven J. O'Brien, PE – Principal , Lead Mechanical Engineer
i. POINT OF CONTACT TELEPHONE NUMBER:	602.996.6399
j. POINT OF CONTACT E-MAIL ADDRESS:	sjobrien@bpce.com
k. NAME OF FIRM <i>(If block 1a is a branch office):</i>	Bridgers & Paxton Consulting Engineers

Federal Tax Identification Number: 95097152



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

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

2. EMPLOYEES BY DISCIPLINE

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees - Firm	d. No. of Employees - Branch
CADD Technician	P	13	0
Construction Inspectors	P	4	0
Controls System Engineers	P	1	0
Cost Engineer/Estimator	P	1	0
Electrical Engineer	P	8	1
Fire Protection Engineer	P	1	0
Mechanical Engineer	P	26	1
Other: Administrative	P	18	0
Other: Electrical Designer	P	23	3
Other: Energy Consultant	P	1	0
Other: Mechanical Designer	P	16	3
Other: Plumbing Designer	P	10	1
Other: Technology/Telecom Designer	P	7	1
Total		129	10



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

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

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)
2	Airports; Terminals and Hangars; Freight Handling	1
4	Commercial Building (Low Rise); Shopping Centers	1
2	Community/Convention Facilities	2
7	Computer Facilities	4
64	Educational Facilities; Classrooms	6
38	Hospital and Medical Facilities	6
26	Industrial Buildings; Manufacturing Plants	4
1	Judicial and Courtroom Facilities	1
78	Laboratories	6
2	Libraries; Museums; Galleries	1
157	Office Buildings; Industrial Parks	6
2	Prisons & Correctional Facilities	2
1	Railroads; Rapid Transit; Transit-oriented Developments	1
3	Recreation Facilities; Casinos	2

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 |



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

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

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

a. NAME Steven J. O'Brien, PE	b. ROLE IN THIS CONTRACT Principal in Charge, Lead Mechanical Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 20 years	2. WITH CURRENT FIRM 20 years

d. LOCATION (City and State) Phoenix, AZ

e. EDUCATION (DEGREE AND SPECIALIZATION) Pennsylvania State University, Bachelor of Science, Architectural Engineering	f. PROFESSIONAL TRAINING Professional Engineer License, Mechanical Engineer AZ (#35209), NV (#16711) and NM (#18417)
---	---

g. OTHER PROFESSIONAL QUALIFICATIONS (Organizations, Awards, etc.)
 Mr. O'Brien is a Vice President at Bridgers & Paxton. His responsibilities at Bridgers & Paxton include project management and design. His expertise is in the areas of heating, ventilating, and air conditioning (HVAC) systems design, project management and coordination, field investigations, preparation of heating and cooling load calculations. Mr. O'Brien's project management experience includes client communication from Schematic Development to Construction Documents. Mr. O'Brien has completed projects for transportation, office, medical, education, manufacturing/industrial, museum, theatre, detention, hotel/motel, and restaurant.

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (City and State) State of Arizona - 1789 Chiller and Cooling Tower Replacement- AZ	(2) YEAR COMPLETED Estimated December 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Steve O'Brien was the Lead Mechanical Engineer and Principal in Charge on this project. Project included removal of the existing 2,500 ton chillers, ceramic cooling towers, the condenser water pumps & ice bank piping & valving. A building heating & cooling load calculation. Installation of 2 new cooling towers to be installed in a new cooling tower, installation of 2 new water cooled chillers, installation of 2 new primary/secondary chilled water pumps & installation of 2 new condenser water pumps.	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (City and State) Maricopa County Engineering On-Call - Chandler, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Some of the Maricopa County on-call projects include: FMD Building 1962 Food Factory DHW Assessment, Facilities Management Department Building 1962 Bakery AHU Replacement, FMD 4th Avenue Jail EMCS Replacement, Electronic Cooling Tower Metering Make-up & Drain Water, Facilities Management Department Food Factory DHW Piping Upgrades, Durango Jail TI, LBJ Security Electronic Room TI, Highway Operations Asphalt Lab HVAC Upgrades & County Justice Court IT Closet HVAC Upgrades. Steve O'Brien was the Mechanical Principal in Charge. Task orders under this on-call contract vary in size & cost.	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (City and State) City of Mesa Engineering On-Call - Mesa, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The City of Mesa on-call contract included a Communications Building (Police & Fire Dispatch) Steve O'Brien was the Mechanical Principal in Charge. This project included vital radio infrastructure that both agencies use to communicate throughout the City. The project modernized vital support systems that are essential to maintain 24/7 operations. The major systems upgrades include: Uninterruptible Power Supply, Emergency Generators and Building Cooling System.	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (City and State) Maricopa County Community College Engineering On-Call Chandler, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Maricopa County Community College District (MCCCD) Projects include: Baylor Hall Complex, F-Building T.I., District Office Renovation, Dome & Culinary HVAC Upgrades Services, Emerald Point Building District Office Expansion, Fitness Center HVAC Upgrades, Gateway College Sewer Upgrade, Jacaranda Hall Gymnasium, OSW HVAC Upgrades, Pecos Building S Lab Remodel, Phoenix College F Building Cafeteria T.I., SCC Library Remodel. Steve O'Brien was the Lead Mechanical Engineer and Principal in Charge on these projects. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (City and State) Carl T. Hayden Veterans Administration Medical Center-Phoenix, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The task orders included repairs, replacements, and new installations of energy conservation measures to reduce energy consumption in accordance with Presidential Executive Order (POE) 13423. The total design and construction cost for the nineteen task orders is approximately \$20,000,000.00. Steve O'Brien was the Lead Mechanical Engineer and Principal in Charge on 8 of these projects. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm



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

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

a. NAME John Montaño, PE	b. ROLE IN THIS CONTRACT Principal Electrical Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 22	2. WITH CURRENT FIRM 13

d. LOCATION (*City and State*) Bridgers & Paxton Consulting Engineers – Phoenix, AZ

e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Bachelor of Science, Electrical Engineering University of New Mexico	f. PROFESSIONAL TRAINING Professional Engineer: AZ (#38934) , NM, NV, TX
--	---

g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)
 Mr. Montaño’s responsibilities include project management, in-house quality assurance reviews, engineering and design of electrical systems. His background includes electrical studies, pre-design investigation, fee proposals, estimates of probable electrical construction costs, lighting design and calculations, power systems design and load calculations, fire alarm systems design, lightning protection, tele/communications, specifications, construction administration and field observations, for public and private clients. Organizations: Illuminating Engineering Society of North America, Valley Partnership

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Department of Veterans Affairs, VISN18 A/E Services On-Call Contracts - AZ, NM & West TX	(2) YEAR COMPLETED Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P is currently performing engineering design services under two VISN18 IDIQ contracts. The VA VISN18 projects were located in: Amarillo, TX; Albuquerque, NM; El Paso, TX; Phoenix, AZ; Prescott, AZ; Tucson, AZ and Big Spring, TX. Task order projects Mr. Montaño has worked on for these contracts: NMVAHCS Master Planning for Future Minor Projects, NMVAHCS Master Utility Study, PHX VA Medical Center 3rd Party Value Engineering Assessment Master Plan, SAVAHCS Tucson Improve Inpatient Mental Health B67 Study, Big Springs VA Integrated Facility Design, NMVAHCS Building 41 Emergency Room Remodel Design Services, NMVAHCS Building 41 Critical Care Bed Expansion & SAVAHCS Tucson VA MRI Suite Bldg 80. The task orders vary in size and cost. Role: Principal Electrical Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (<i>City and State</i>) City of Mesa Engineering/Consulting On-Call Services Contract – Mesa, AZ	(2) YEAR COMPLETED Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P is currently performing engineering design services on two engineering contracts for the City of Mesa. Task order projects Mr. Montaño has worked on for these contracts: Communications Building & Generator Upgrade, Compressor Unit, Fleet Service Electrical Service Upgrade. The task orders vary in size and cost. Role: Principal Electrical Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Maricopa County Engineering & Construction Admin Svcs On-Call Contract	(2) YEAR COMPLETED Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P is currently performing design services under a current engineering and construction administration this on-call contract. Task order projects Mr. Montaño has worked on for this contract: Admin. Bldg. Fire Alarm System Upgrade, Buckeye Hills Shooting Range Elec. & Utility Service, Dept. of Trans. Emergency Lighting/Equip Retrofit, Durango APO East Site Lighting & TI, Electronic Cooling Tower Metering Make-up & Drain Water, Facilities Management Building 2874 Power Factor Assessment, Office of Enterprise Technology Bldg. Wireless UPS Receptacles, Brooks Air Quality Station - Mesa Elec. Service, Electric Vehicle Charging Stations, Emergency Dist. Syst. Assessment, Indian School Air Quality Station - Glendale Elec. Svc, Solid Waste Transfer Station – Elec., User Metering Installation for Multiple Bldgs. Ph I & II, Highway Operations Asphalt Lab Upgrades, Highway Operations Downtown Justice Ctr Data Center HVAC Upgrades, Juvenile Courts Parking Lot Security, LBJ Security Electronic Room TI, Parks & Rec White Tank Campground Host Sites Electrical Services, Sheriff Site Lighting & Towers Jail Con-Tents Restroom Upgrades. The task orders vary in size and cost. Role: Principal Electrical Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Maricopa County Community College District, Engineering/Consulting Annual Services Contract - District Wide	(2) YEAR COMPLETED Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P is currently performing MEP & T design services on two engineering contracts for Maricopa County Community College District (MCCCD). The contracts began in June 2010 and have been renewed for four consecutive years. Task order projects Mr. Montaño has worked on: MCCCD - Emerald Point Building Office Expansion Feasibility Study, Phoenix College Design for Nursing Building Remodel, Phoenix College Admissions and Records Building, Bookstore and Honors Program Renovations, Phoenix College Building F Remodel, Phoenix College Downtown Assessment and Design & Phoenix College Osborne West Campus Classroom Building. The task orders under this on-call contract vary in size and cost. Role: Principal Electrical Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Bureau of Indian Affairs (BIA) Open End, Grand Canyon West - Arizona	(2) YEAR COMPLETED 2008 - 2010
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P were the MEP Engineers for this BIA open-end contract. Task order projects Mr. Montaño has worked on this Grand Canyon West contract: West Air Terminal, Tenant Improvements and Lobby, Eagle Point Emergency Distribution, Skywalk Fire Pump, Air Terminal Fuel Storage, Eagle Point – Emergency Distribution Yard, Eagle Point – Grease trap, Eagle Point Lift Station & Grand Canyon West Entrance Expansion Phase 1. The task orders vary in size and cost. Role: Principal Electrical Engineer	<input checked="" type="checkbox"/> Check if project performed with current firm



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

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

a. NAME Shannon Bryant, PE	b. ROLE IN THIS CONTRACT Senior Controls Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 26 Years	2. WITH CURRENT FIRM 16 years

d. LOCATION (*City and State*) Albuquerque, NM

e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Bachelor of Science, Mechanical Engineering, New Mexico State University, Las Cruces, NM 1996	f. PROFESSIONAL TRAINING Professional Engineer
--	---

g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)
 Mr. Bryant is B&P's Lead Controls Engineer for specialized and complex facilities. He has over 26 years' experience designing and installing DDC, pneumatic, PLC, and electronic control systems; installing conduit and wire for control systems; and testing and balancing of laboratory facilities. During his 10 years with a controls contracting company, he designed, installed, programmed, and commissioned numerous DDC systems for laboratory clean room facilities and large office complexes.

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Sandia National Laboratories, Multiple Task Order/Open End Contracts – Albuquerque, NM	(2) YEAR COMPLETED On-Going
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Mr. Bryant is the Senior Controls Engineer for multiple open-end contracts for SNL. B&P is the prime consultant for one A/E O&M contract and the MEP consultant for another infrastructure task order contract. Shannon has worked on over 400 projects for SNL under several multi-year contracts. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Los Alamos National Laboratory, Multiple Task Order/Open End Contracts – Los Alamos, NM	(2) YEAR COMPLETED On-Going
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Mr. Bryant is the Senior Controls Engineer for multiple open-end contracts for LANL. B&P is the prime consultant for one contract and the MEP consultant for a small business task order contract. Shannon has experience on 35+ projects for LANL. The construction value of these contracts is not available. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Presbyterian Healthcare Services, Multiple IDIQ Contracts – Statewide, New Mexico	(2) YEAR COMPLETED Ongoing
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Shannon Bryant has worked on 80+ Projects under multiple on call contracts for Presbyterian Health Care Services as the Senior Controls Engineer. He has provided design/engineering services for PHS at the following facilities: Plains Regional Medical Center, Presbyterian Main Hospital, Kaseman Hospital, Rio Rancho Hospital and Espanola Hospital. Role: Senior Controls Engineer The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Major Semiconductor Manufacturer On-Call Engineering Contract – Arizona & New Mexico	(2) YEAR COMPLETED Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P is the prime consultant for this engineering and construction administration on-call contract for this confidential client. B&P has completed over 230+ task order projects for this client in Arizona and New Mexico. Mr. Bryant has worked on 70+ projects under this on-call contract. Role: Senior Controls Engineer. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Major Communications Provider, Multiple Task Order/Open End Contracts – New Mexico and Arizona	(2) YEAR COMPLETED Ongoing
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Mr. Bryant is the Senior Controls Engineer for multiple open-end contracts for this client. B&P is the prime consultant for a current and a previous A/E contract. Shannon has completed over 40 projects for this client. The construction value of these contracts is not available. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm



ATTACHMENT I – General Qualifications

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

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

a. NAME Dwight Cocco, EIT	b. ROLE IN THIS CONTRACT Electrical Engineer Intern	c. YEARS EXPERIENCE	
		1. TOTAL 14	2. WITH CURRENT FIRM 1
d. LOCATION (<i>City and State</i>) Bridgers & Paxton Consulting Engineers – Phoenix, AZ			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>)		f. PROFESSIONAL TRAINING Engineer-In-Training Certification, December 2006 AZ #10022	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>) Electrical Engineer Intern responsible for the design, coordination, code compliance and timely completion of construction drawings for a wide variety of projects. Experienced in project management and in serving as a liaison between various disciplines as required to achieve successful project outcomes.			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Department of Veterans Affairs, VISN18 A/E Services IDIQ/On-Call Contracts - AZ, NM & West TX	(2) YEAR COMPLETED Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P is currently performing engineering design services under two VISN18 IDIQ contracts. The VA VISN18 projects were located in: Amarillo, TX; Albuquerque, NM; El Paso, TX; Phoenix, AZ; Prescott, AZ; Tucson, AZ and Big Spring, TX. Task order projects Mr. Cocco has worked on for this contract: NMVAHCS Master Planning for Future Minor Projects, NMVAHCS Master Utility Study & Phoenix VA Medical Center 3rd Party Value Engineering Assessment Master Plan. The task orders under this on-call contract vary in size and cost. Role: Electrical Engineer Intern	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Maricopa County Community College District, Engineering/Consulting Annual Services Contract – District Wide, AZ	(2) YEAR COMPLETED Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P is currently performing engineering design services under two engineering/consulting contracts for Maricopa County Community College District (MCCCD). Since June 2010, B&P has worked on a dozen task orders for MCCCD. The contracts began in June 2010 and have been renewed for four consecutive years. Task order projects Mr. Cocco has worked on for this contract: MCCCD Maricopa Colleges - Phoenix College Design for Nursing Building Remodel & Scottsdale Community College Library Remodel Phase 1. The task orders under this on-call contract vary in size and cost. Role: Electrical Engineer Intern	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Pueblo of Laguna, A/E Services for Laguna Integrated Justice Center – Laguna, NM	(2) YEAR COMPLETED 2012
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P provided programming, mechanical, electrical, plumbing design, construction cost estimating, projected operations & maintenance projections for their new Integrated Justice Center. This 83,865 sf facility will include Tribal Courts & Law Enforcement (34,038 sf), Adult & Juvenile Detention (49,827 SF) & a Wellness Healing Housing (5,671 sf) option. The project includes a 60-bed Adult Male, 30-bed Adult Female, 7-bed Juvenile Girls, 7-bed Juvenile Boys, & 6-bed Juvenile Boys or Girls (Swing) for a total 110 beds. This new facility will include Public Lobby/Integrated Support space, Judicial Administration & Court staff, Court Programs, Courts, Prosecutor, Police Administration & Dispatch, Patrol & Criminal Investigation, Administration/Control & Visiting, Intake/Release, Adult & Juvenile Detention, Detention Programs, Wellness Healing Community Housing, support space & site development. Role: Electrical Engineer Intern	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (<i>City and State</i>) USACE Louisville District, Corpus Christi-Robstown D-B Tactical Equipment Maintenance Facilities (TEMF)- Corpus Christi, TX	(2) YEAR COMPLETED 2013
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Bridgers & Paxton were the MEP and Technology engineers for this new 35,290 SF design/build equipment/vehicle maintenance facility with welding/machine shop, vehicle maintenance and repair bays, wash bay, equipment parts storage, training/conference room, tool room, weapons storage vault, secure storage for communications/cryptology equipment, fluid distribution room, controlled waste, and small arms storage, weapons vault, training/break room, fitness room, administrative/shop offices. This project was designed to obtain LEED® Silver Certification. Project was \$ 9.4 M. Role: Electrical Engineer Intern	<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (<i>City and State</i>) ADOA, Arizona State Hospital Chiller & Pump Replacements – Phoenix, AZ	(2) YEAR COMPLETED Estimated December 2014
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Bridgers & Paxton were the MEP engineers for this phased project for the removal and replacement of two existing 700 ton chillers, two chilled water pumps, associated piping, valves, fittings etc. Design includes modifications to the ventilation systems and upgrades to the energy management hardware for a complete operable and controllable system. Role: Electrical Engineer Intern	<input checked="" type="checkbox"/> Check if project performed with current firm



ATTACHMENT I – General Qualifications

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

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

a. NAME Grant McKinley, LEED AP	b. ROLE IN THIS CONTRACT Senior Mechanical Designer	c. YEARS EXPERIENCE	
		1. TOTAL 25	2. WITH CURRENT FIRM 12
d. LOCATION (<i>City and State</i>) Phoenix, AZ			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Associate of Science, Technical Associate Degree in Drafting/CADD, High Tech Institute		f. PROFESSIONAL TRAINING LEED Accredited Professional	

g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*)
Grant McKinley is a Senior Mechanical Designer at Bridgers & Paxton. He has 24 years of experience. Grant received his Associate of Science, Technical Associate Degree in Drafting/CADD from the High Tech Institute in Phoenix, AZ in 1990. He has worked on a variety of different facilities: airports/aircrafts, auditoriums/performing arts/theaters, central utilities, churches/temples, civic/convention/community centers, computer/data centers, courthouses/judicial, detention/correction, dining/restaurants, dormitories/housing/barracks, educational facilities, emergency operations/ public safety, government, hotels/resorts, LEED/sustainable design, laboratories, library/archives, manufacturing/industrial, medical centers/hospitals, office buildings, retail/shopping mall/mixed use developments, parking structures and technology/telecommunications facilities.

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) State of Arizona - 1789 Chiller and Cooling Tower Replacement- AZ	(2) YEAR COMPLETED Estimated December 2014
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project included removal of the existing 2,500 ton chillers, ceramic cooling towers, the condenser water pumps & ice bank piping & valving. A building heating & cooling load calculation. Installation of 2 new cooling towers to be installed in a new cooling tower, installation of 2 new water cooled chillers, installation of 2 new primary/secondary chilled water pumps & installation of 2 new condenser water pumps. Grant McKinley was the mechanical designer on this project.	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Maricopa County Engineering On-Call - Chandler, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Controls for Lower Buckeye Jail Water Softener Replacement, Durango Tower Jail Fire Protection System and Sewer Cleanout Upgrades, Flood Control District Office Building HVAC, FMD 1916 Crime Lab Assessment, FMD Juvenile Detention Supply Air & Exhaust Air Replacements, Justice Court IT Closet HVAC Upgrades, LBJ Central Plant Install, LBJ Security Electronic Room TI, and Sunnyslope Probation Office Interview Rooms TI. Grant McKinley was the mechanical designer on this project. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (<i>City and State</i>) City of Mesa Engineering On-Call - Mesa, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE The City of Mesa on-call contract included a Communications Building (Police & Fire Dispatch) This project included vital radio infrastructure that both agencies use to communicate throughout the City. The project modernized vital support systems that are essential to maintain 24/7 operations. The major systems upgrades include: Uninterruptible Power Supply, Emergency Generators and Building Cooling System. Grant McKinley was the mechanical designer on these projects. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Maricopa County Community College Engineering On-Call - Chandler, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Grant's Maricopa Community College On-Call Experience includes: Two Story Office Building TI, F Building Cafeteria TI, Emerald Point Building District Office Expansion, Dome & Culinary HVAC Upgrades Services, F-Building T.I. Fitness Center HVAC Upgrades and OSW HVAC Upgrades. Grant McKinley was the mechanical designer on these projects. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Carl T. Hayden Veterans Administration Medical Center-Phoenix, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE The task orders included repairs, replacements, and new installations of energy conservation measures to reduce energy consumption in accordance with Presidential Executive Order (POE) 13423. The total design and construction cost for the nineteen task orders is approximately \$20,000,000.00. Grant was the Senior Mechanical Designer on 6 of these projects. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm



ATTACHMENT I – General Qualifications

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

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

a. NAME Fred Clark	b. ROLE IN THIS CONTRACT Senior Electrical Designer	c. YEARS EXPERIENCE	
		1. TOTAL 28	2. WITH CURRENT FIRM 14
d. LOCATION (<i>City and State</i>) Bridgers & Paxton Consulting Engineers – Phoenix, AZ			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) San Juan College, Associate of Applied Science in Lighting and Power Distribution		f. PROFESSIONAL TRAINING	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>) Fred Clark serves as Senior Electrical Designer at Bridgers & Paxton. He is experienced in the design of government, educational, laboratory, institutional, industrial, and commercial facilities. He also provides field investigations, field surveys, construction services, cost estimates, calculations including equipment sizing and load analysis, and construction documents.			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Department of Veterans Affairs, VISN18 A/E Services IDIQ/On-Call Contracts - AZ, NM & West TX	(2) YEAR COMPLETED Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm B&P is currently performing engineering design services under two VISN18 IDIQ contracts. The VA VISN18 projects were located in: Amarillo, TX; Albuquerque, NM; El Paso, TX; Phoenix, AZ; Prescott, AZ; Tucson, AZ and Big Spring, TX. Task order projects Mr. Clark has worked on for this contract: NMVAHCS Master Planning for Future Minor Projects, NMVAHCS Master Utility Study & Phoenix VA Medical Center 3rd Party Value Engineering Assessment Master Plan. The task orders under this on-call contract vary in size and cost. Role: Senior Electrical Designer	
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Arizona Department of Administration (ADOT) On-call Contract - Arizona	(2) YEAR COMPLETED 2007 – 2014 Contract Duration
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm B&P is currently performing engineering design services under this multi-year ADOT services contract as a mechanical and electrical engineering sub consultant to Gabor Lorant Architects. Several recent projects Mr. Clark has worked on under this contract include the ADOT Ehrenberg Port of Entry and the ADOT San Luis II Port of Entry (North and South Buildings) and the ADOT Douglas Port of Entry. The task orders under this on-call contract vary in size and cost. Role: Senior Electrical Designer	
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Maricopa County Community College District, Engineering/Consulting Annual Services Contract – District Wide, AZ	(2) YEAR COMPLETED Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm B&P is currently performing engineering design services under two engineering/consulting contracts for Maricopa County Community College District (MCCCD). Since June 2010, B&P has worked on a dozen task orders for MCCCD. The contracts began in June 2010 and have been renewed for four consecutive years. Task order projects Mr. Clark has worked on for this contract: MCCCD Maricopa Colleges - Phoenix College Dome & Culinary HVAC Upgrades Services, Chandler/Gilbert Campus Jacaranda Hall II & Baylor Hall Complex, Phoenix College Design for Nursing Building Remodel. The task orders under this on-call contract vary in size and cost. Role: Senior Electrical Designer	
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Maricopa County Engineering & Construction Administration Services On-Call Contract	(2) YEAR COMPLETED Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm B&P is currently performing design services under a current engineering and construction administration on-call contract for the Maricopa County Facilities Management Department. Task order projects Mr. Clark has worked on for the Maricopa County contract: Buckeye Hills Shooting Range Electrical Service, Flood Control District Office Building HVAC/ Electrical Assessment & Highway Operations Asphalt Lab upgrades. The task orders under this on-call contract vary in size and cost. Role: Senior Electrical Designer	
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Major Semiconductor Manufacturer On-Call Engineering Contract – Arizona & New Mexico	(2) YEAR COMPLETED 2000 - Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm B&P is the prime consultant for this engineering and construction administration on-call contract for this confidential client. B&P has completed over 230+ task order projects for this client in Arizona and New Mexico. Mr. Clark has worked on 25 projects under this on-call contract. The task orders under this on-call contract vary in size and cost. Role: Senior Electrical Designer	



ATTACHMENT I – General Qualifications

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

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

a. NAME Vincent "Luke" Allen, RCDD	b. ROLE IN THIS CONTRACT Sr. Technology Designer	c. YEARS EXPERIENCE	
		1. TOTAL 21	2. WITH CURRENT FIRM 4
d. LOCATION (<i>City and State</i>) Bridgers & Paxton Consulting Engineers – Phoenix, AZ			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Registered Communications Distribution Designer		f. PROFESSIONAL TRAINING Registered Communications Distribution Designer (RCDD), #101389	

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

Mr. Allen is the Senior Technology Designer and Technology Group Manager for B&P. He has over 21 years of experience in the installation, design, and project management of technology infrastructure for large and small organizations. He has been responsible for the design development and management of multiple domestic and international technology infrastructure installations throughout North and South America, the United Kingdom, Russia, Middle and Far East. Luke has completed design and installation projects within multi-site and campus environments for integrated infrastructure systems, utilizing fiber optics, coax, UTP and wireless media. Affiliations: Building Industry Consulting Services International (BICSI), InfoCOMM, Project Management Institute (PMI), American Society for Industrial Security (ASIS); Industry Involvement: BICSI – Data Center Standards Committee, Healthcare Standards Committee & Electronic Safety and Security Standards Committee.

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Department of Veterans Affairs, VISN18 A/E Services IDIQ/On-Call Contracts - AZ, NM & West TX	(2) YEAR COMPLETED Ongoing Contract and Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P is currently performing engineering design services under two VISN18 IDIQ contracts. The VA VISN18 projects were located in: Amarillo, TX; Albuquerque, NM; El Paso, TX; Phoenix, AZ; Prescott, AZ; Tucson, AZ and Big Spring, TX. Task order projects Mr. Allen has worked on for this contract: Salt Lake City VAMC Gait Lab. The task orders under this on-call contract vary in size and cost. Role: Senior Technology Designer	
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Central New Mexico Community College, Technology Loop – Albuquerque, NM	(2) YEAR COMPLETED 2015
	B&P is engaged to provide consulting and design services for a new campus fiber optic distribution for their main campus. The proposed loop is comprised of duct bank, fiber optic backbones and lateral fiber system running into each building on the campus. At completion, the project will have 70k+ linear feet of duct bank, 18+ maintenance holes, over 14k linear feet of high strand count OS2 (singlemode) fiber cable and will be extended into over 40 buildings on the campus. The intention is to provide a highly resilient network infrastructure and meet current and foreseeable requirements. Role: Project Manager/Sr. Technology Designer	
3.	(1) TITLE AND LOCATION (<i>City and State</i>) US Army Corps of Engineers, Fort Polk Tactical Equipment Maintenance Facility (TEMF) - Fort Polk, LA	(2) YEAR COMPLETED 2012
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P provided mechanical & electrical engineering and technology design services for the new design/build 18,082 SF Tactical Equipment Maintenance Facility at Fort Polk. The facility included: heavy equipment/vehicle maintenance facility with welding/machine shop, vehicle maintenance bays, equipment parts storage, training/conference room, tool room, weapons storage vault, secure storage for communications/cryptology equipment, fluid distribution room, and administrative/shop control offices. Size: 18,082 SF Cost:\$7.5M Pursuing LEED Silver Certification. Role: Technology & IT Design	
4.	(1) TITLE AND LOCATION (<i>City and State</i>) NOVA Corporation, Data Center – Albuquerque, NM	(2) YEAR COMPLETED Ongoing
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P were the MEP, Security and IT systems engineers for a new 80,000 SF, high performance, Tier III data center and office building. The design was completed in the Fall 2012 and the project was cancelled due to the client finding a suitable existing building. B&P is currently engaged with this client to assist in the repurposing an existing facility. B&P is responsible for engineering MEP, Security, and IT Systems for their new facility. Role: Project Manager/Network Infrastructure Designer	
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Toyota Motor Corporation, Data Center (DC1 & DC2) Data Center Reliability & Optimization Studies – Two Confidential US Locations	(2) YEAR COMPLETED 2012
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE B&P was hired by Toyota Motor Sales to conduct data center assessments on two existing corporate facilities ranging in size from 15,000 SF to 10,000 SF. This effort included an evaluation of the Mechanical, Electrical, Plumbing, Telecommunications and Physical Security practices against the Uptime Institute's Tier III standards and recognized industry best practices. Design was completed in March 2013. B&P, as part of our project close-out, provided: industry trends and best practices, site selection criteria, facility assessment reports, risk evaluation, prioritized list of remediation efforts with opinions of probable cost and new telecommunications cabling infrastructure design. Role: Project Manager/Network and Security Infrastructure Designer	



ATTACHMENT I – General Qualifications

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

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

B. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

Complete one Section A for each key person. See Instructions above.

a. NAME Eric M. Gagnon	b. ROLE IN THIS CONTRACT Senior Plumbing Designer	c. YEARS EXPERIENCE	
		1. TOTAL 14	2. WITH CURRENT FIRM 4
d. LOCATION (<i>City and State</i>) Phoenix, AZ			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Associate of Science, Mechanical Drafting Technology, Mesa Community College, 1990		f. PROFESSIONAL TRAINING NITC Certification as medical gas inspector	
g. OTHER PROFESSIONAL QUALIFICATIONS (<i>Organizations, Awards, etc.</i>) Mr. Gagnon serves as a Plumbing Designers at Bridgers & Paxton. He has 14 years of design production experience in plumbing, piping and medical gas systems design. He has extensive experience designing for systems for medical, educational, and government clients. Eric has a NITC Certification as medical gas inspector. Eric is experienced in the design of domestic water systems, service piping systems, process piping, medical gas piping, vacuum systems, compressed air and fire protection. Mr. Gagnon is responsible for the plumbing design and layout portions of a project and coordinates closely with the Lead Mechanical Engineer.			

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) Maricopa County Engineering On-Call - Chandler, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Maricopa County on-call projects include: Durango Jail TI, FMD Building 1962 Food Factory DHW Assessment, Highway Operation Restroom Exhaust Fan Replacement, Highway Operations Asphalt Lab upgrades, and Facilities Management Department Food Factory DHW Piping Upgrades. Eric Gagnon was the plumbing Designer on these projects. The task orders under this on-call contract vary in size and cost.	
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Maricopa County Community College Engineering On-Call - Chandler, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Maricopa County Community College District (MCCCD) on call projects include: Phoenix College Design for Nursing Building Remodel, F Building Cafeteria T.I. & Pecos Building S Lab Remodel. Eric Gagnon was the Plumbing Designer on these projects. The task orders under this on-call contract vary in size and cost.	
3.	(1) TITLE AND LOCATION (<i>City and State</i>) Carl T. Hayden Veterans Administration Medical Center-Phoenix, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Carl T. Hayden Veterans Administration Medical Center multiple task order projects including: Energy Recovery AHU-3, 4 & 8, Heat Wheels 1 & 2, Replace CLC Internals, Fan Wall SF1-4, EF1-4, Return RF1-4, VAV's SF1-4, AHU VAV's, Ice Storage (18,000 Ton-Hours), OR Chiller 1015 Valves, OR Chiller 1012 Valves, Lab Chiller 1016 Valves, Rework Steam System, Rework Steam System Boiler, Occupancy Sensors, Dental Chiller, Rework CHW Piping. Eric Gagnon was the plumbing Designer on these projects. The task orders under this on-call contract vary in size and cost.	
4.	(1) TITLE AND LOCATION (<i>City and State</i>) State of Arizona - 1789 Chiller and Cooling Tower Replacement- AZ	(2) YEAR COMPLETED Estimated December 2014
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Project included removal of the existing 2,500 ton chillers, ceramic cooling towers, the condenser water pumps & ice bank piping & valving. A building heating & cooling load calculation. Installation of 2 new cooling towers to be installed in a new cooling tower, installation of 2 new water cooled chillers, installation of 2 new primary/secondary chilled water pumps & installation of 2 new condenser water pumps. Eric was the plumbing designer on this project.	
5.	(1) TITLE AND LOCATION (<i>City and State</i>) USACE Louisville District, Corpus Christi-Robstown D-B Tactical Equipment Maintenance Facilities (TEMF)- Corpus Christi, TX	(2) YEAR COMPLETED 2013
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Bridgers & Paxton were the MEP and Technology engineers for this new 35,290 SF design/build equipment/vehicle maintenance facility with welding/machine shop, vehicle maintenance and repair bays, wash bay, equipment parts storage, training/conference room, tool room, weapons storage vault, secure storage for communications/cryptology equipment, fluid distribution room, controlled waste, and small arms storage, weapons vault, training/break room, fitness room, administrative/shop offices. This project was designed to obtain LEED® Silver Certification. Project was \$Role: 9.4 M. Eric Gagnon was the Plumbing Designer on this project. The task orders under this on-call contract vary in size and cost.	



ATTACHMENT I – General Qualifications

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

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

a. NAME Robbie K. Schamp	b. ROLE IN THIS CONTRACT Senior Mechanical Designer	c. YEARS EXPERIENCE	
		1. TOTAL 34	2. WITH CURRENT FIRM 34
d. LOCATION (<i>City and State</i>) Phoenix, AZ			
e. EDUCATION (<i>DEGREE AND SPECIALIZATION</i>) Central New Mexico Community College, Construction Drafting, Albuquerque, NM		f. PROFESSIONAL TRAINING	

g. OTHER PROFESSIONAL QUALIFICATIONS (*Organizations, Awards, etc.*) Robbie Schamp has experience with many systems included: HVAC systems, energy efficient HVAC & lighting, specialized ventilating and exhaust systems, plumbing & process systems, energy management & control systems, central energy plant design/master planning, thermal energy storage, cogeneration systems & steam generation/distribution systems.

H. RELEVANT PROJECTS

1.	(1) TITLE AND LOCATION (<i>City and State</i>) State of Arizona - 1789 Chiller and Cooling Tower Replacement- AZ	(2) YEAR COMPLETED Estimated December 2014
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Robbie was the Senior Mechanical Designer on this project. Project included removal of the existing 2500 ton chillers, ceramic cooling towers, the condenser water pumps & ice bank piping & valving. A building heating & cooling load calculation. Installation of 2 new cooling towers to be installed in a new cooling tower, installation of 2 new water cooled chillers, installation of 2 new primary/secondary chilled water pumps & installation of 2 new condenser water pumps.	<input checked="" type="checkbox"/> Check if project performed with current firm
2.	(1) TITLE AND LOCATION (<i>City and State</i>) Maricopa County Engineering On-Call - Chandler, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Some of the Maricopa County on-call projects include: Durango Jail TI, LBJ Central Plant Install, LBJ Security Electronic Room TI, Mechanical Monitoring and Exhaust System - Administration Building and S.E. Regional Courts Facility HVAC Renovations. Robbie was the Senior Mechanical Designer on this project. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm
3.	(1) TITLE AND LOCATION (<i>City and State</i>) City of Mesa Engineering On-Call - Mesa, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE The City of Mesa on-call contract included a Communications Building (Police & Fire Dispatch) Robbie was the Senior Mechanical Designer on this project. This project included vital radio infrastructure that both agencies use to communicate throughout the City. The project modernized vital support systems that are essential to maintain 24/7 operations. The major systems upgrades include: Uninterruptible Power Supply, Emergency Generators and Building Cooling System. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm
4.	(1) TITLE AND LOCATION (<i>City and State</i>) Maricopa County Community College Engineering On-Call Chandler, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Maricopa County Community College District (MCCCD) Projects include: Two Story Office Building Tenant Improvement (TI), Conversion of Chilled Water from CP to Juvenile Bldg., Phoenix College F-Building T.I. and Office Renovation. Robbie was the Senior Mechanical Designer on this project.	<input checked="" type="checkbox"/> Check if project performed with current firm
5.	(1) TITLE AND LOCATION (<i>City and State</i>) Carl T. Hayden Veterans Administration Medical Center On-Call Contract- Phoenix, AZ	(2) YEAR COMPLETED Ongoing Contract & Task Orders
	(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE The task orders included repairs, replacements, and new installations of energy conservation measures to reduce energy consumption in accordance with Presidential Executive Order (POE) 13423. The total design and construction cost for the nineteen task orders is approximately \$20,000,000.00. Robbie was the Senior Mechanical Designer on 11 of these projects. The task orders under this on-call contract vary in size and cost.	<input checked="" type="checkbox"/> Check if project performed with current firm



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

5. EXAMPLE PROJECTS BEST ILLUSTRATING SUBMITTER’S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects up to 5 projects. Complete one Section 5 for each project.)

Table with 2 columns: a. PROJECT TITLE AND LOCATION, b. YEAR COMPLETED. Row 1: Maricopa County Community College District, Engineering/Consulting Annual Services Contract - District Wide; Services Contract (June 2010 – Summer 2015); Example Task Order is currently under construction

23. PROJECT OWNER’S INFORMATION

Table with 3 columns: c. PROJECT OWNER, d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT, e. TOTAL COST OF PROJECT. Row 1: Maricopa County Community College District; Not Available; \$7.05M for Bridget Hall Task Order

d. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (See Form Instructions)

Contract Description: Bridgers & Paxton Consulting Engineers is currently performing mechanical, electrical, plumbing engineering and technology design services on two engineering/consulting contracts for Maricopa County Community College District (MCCCD). Since June 2010, B&P has worked on a dozen task orders for MCCCD. The annual service contracts are for an annual maximum total amount of \$250,000 per year and with a single project limit of \$100,000. The contracts began in June 2010 and have been renewed for four consecutive years. On-Call Services Provided: Professional Design and Engineering Services (Mechanical/Electrical Engineering), Master Planning and Programming Services, Audio Visual Systems Design, Code Review and Compliance Services & Facilities and Construction Related Services

Campus Locations: Phoenix College- Phoenix, AZ; Glendale Community College- Glendale, AZ; GateWay Community College-Phoenix, AZ; Mesa Community College-Mesa, AZ; Scottsdale Community College-Scottsdale, AZ; Rio Salado Community College-Tempe, AZ; South Mountain Community College-Phoenix, AZ; Chandler/Gilbert Community College-Chandler, AZ; Paradise Valley Community College-Phoenix, AZ; Estrella Mountain Community College-Avondale, AZ; Maricopa Skill Center-Phoenix, AZ; Maricopa Skill Center, Southwest Campus-Avondale, AZ & MCCCD District Office-Tempe, AZ.

Example Task Order Project: MCCCD Chandler-Gilbert Community College, Bridget Hall Student Union Building

Bridgers & Paxton provided controls, electrical and mechanical engineering and plumbing design for this project. The 17,500 square foot building consists of a library, computer commons, food service, bookstore, learning commons area, student activities, multipurpose/meeting spaces, offices, and support spaces. Electrical engineers are providing receptacle layouts, FA layouts, voice/data layouts. New HVAC & plumbing equipment were provided. The \$7.05 million project earned LEED Silver certification. Project began in February 2010 and was complete in February 2011.

Discussion of any specific challenges and how they were overcome: Multiple projects designed and constructed simultaneously which required coordination with the other A/E consultant relative to the campus chilled water piping distribution. Several A/E coordination meetings were held to coordinate the site chilled water piping arrangement valving and sizing.

What type of system was designed: New HVAC & plumbing equipment. Single duct, variable air volume, split system AC cooling only units for the telecom and electrical rooms.

What the Owner’s objectives were and whether they were met: Acoustic sensitivity, we preformed acoustic sound analysis in accordance with owner requirements and earning LEED Silver Certification.

Additional Task Order Projects for this Contract:

- MCCC District Office Feasibility Study & Emerald Point Building Expansion
Paradise Valley Community College, Building D Ceramics Lab Remodel
Phoenix College, Nursing Building Remodel
Phoenix College, Admissions and Records Building, Bookstore and Honors Program Renovations
Phoenix College, Building F Remodel & Tenant Improvements
Phoenix College, Building F Cafeteria Tenant Improvements
Phoenix College, Fitness Center HVAC Upgrades
Phoenix College, OSW Building HVAC Upgrades
Scottsdale Community College, Library Remodel





ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

5. EXAMPLE PROJECTS BEST ILLUSTRATING SUBMITTER’S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects up to 5 projects. Complete one Section 5 for each project.)

a. PROJECT TITLE AND LOCATION City of Mesa Engineering/Consulting On-Call Services Contract – Mesa, AZ
b. YEAR COMPLETED Example Task Order: On-Going 2014 Contract: June 2012 – 2014

23. PROJECT OWNER’S INFORMATION

c. PROJECT OWNER City of Mesa Kurt Krause, Project Manager kurt.krause@mesaaz.gov 480.644.5528	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT HVAC is \$918,000 and the Elec is \$1,063,000 for Example Task Order	e. TOTAL COST OF PROJECT Project is currently under construction, final project costs not available.
--	--	---

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (See Form Instructions)

Contract Description: Bridgers & Paxton Consulting Engineers is currently performing mechanical, electrical, plumbing design services on two engineering/consulting contracts for the City of Mesa. Since June 2012, B&P has worked on four task orders for the City of Mesa. The contracts began in June 2012 and were renewed in the summer of 2013 for an additional year.

On-Call Services Provided: Professional Design and Engineering Services (Mechanical/Electrical Engineering), Master Planning and Programming Services, Project Team meetings, Project workshops, public meetings and partnering sessions, construction related services & construction document rolling reviews.

Example Task Order Project: City of Mesa Communications Building (Police & Fire Dispatch)

Bridgers & Paxton provide Mechanical and Electrical Engineering and design on this project. This project included vital radio infrastructure that both agencies use to communicate throughout the City. The project modernized vital support systems that are essential to maintain 24/7 operations.



Discussion of any specific challenges and how they were overcome: Chilled water system phasing required to minimize chilled water system shut down, for 911 call center which required 24/7 operation. Developed chilled water phasing plan, included temp air cooled water chiller valving and equipment arranging to prevent water cooled chiller replacement with min down time.

What type of system was designed: Uninterruptible Power Supply, emergency generators and building cooling/HVAC Systems, air cooled water chiller with variable primary chilled water pumping.

What the Owner’s objectives were and whether they were met: Project is still in the construction phase, so we are continuing to make sure the project objectives are met.

Additional Task Order Projects for this Contract:

- Compressed Natural Gas Compressor Unit
- Fleet Maintenance Electrical Service Study
- Communications Building Engine Generator Study and Design



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

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

5. EXAMPLE PROJECTS BEST ILLUSTRATING SUBMITTER’S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects up to 5 projects. Complete one Section 5 for each project.)

a. PROJECT TITLE AND LOCATION Maricopa County Engineering & Construction Administration Services On-Call Contract
b. YEAR COMPLETED Services Contract (2012 – 2015); Example Task Order was completed in 2012

23. PROJECT OWNER’S INFORMATION

c. PROJECT OWNER Maricopa County Facilities Management Department (FMD) Leah Hanwell Leah.Hanwell@FM.maricopa.gov 602.506.4153	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$890K for Example Task Order (Food Factory)	e. TOTAL COST OF PROJECT \$900K for Example Task Order (Food Factory)
---	--	--

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(See Form Instructions)*
Contract Description: Bridgers & Paxton Consulting Engineers is currently performing mechanical, electrical, plumbing design services under a current engineering and construction administration on-call contract for the Maricopa County Facilities Management Department. Since 2012, B&P has worked on fifteen task orders for Maricopa County. **On-Call Services Provided:** Professional design and engineering services (Mechanical/Electrical Engineering) & construction administration services.

Example Task Order Project: Food Factory Building 1962 Domestic Hot Water Heat Exchanger and Piping Upgrades
The purpose of the domestic hot water system assessment was to identify potential causes of the domestic hot water distribution system piping failures and to provide a written recommendation to correct the deficiencies.

Discussion of any specific challenges and how they were overcome: Construction phase due 24/7 operations.

What type of system was designed: Heating hot water to domestic hot water to heat exchanger with similar domestic hot water interface and domestic hot water/domestic hot water recirculation piping distribution was removed and replace.

What the Owner’s objectives were and whether they were met: Existing hot water piping was under sized resulting in excessive water velocity pitting erosion issues leading to several domestic hot water piping leaks also the domestic hot water recirculation piping and pump undersized the project required phased removal and installation to maintain system operability. The domestic hot water heat exchangers had been installed and are operational. Domestic Hot water phased piping replacement is in progress.

- Additional Task Order Projects for this Contract:**
- 4th Avenue Jail EMCS Replacement
 - Buckeye Hills Shooting Range Electrical Service
 - Building 1962 Food Factory DHW Assessment
 - Electronic Cooling Tower Metering Make-up & Drain
 - Durango Jail Tenant Improvements
 - Food Factory DHW Generating Equipment Upgrades
 - Food Factory DHW Piping Upgrades
 - Highway Operations Asphalt Lab HVAC Upgrades - Phase II
 - Lower Buckeye Jail Security Electronic Room TI
 - Lower Buckeye & 5th Ave Jail EMCS Replacement
 - Lower Buckeye Jail Water Softener Replacement Controls
 - Lower Buckeye Jail Central Plant Install
 - Lower Buckeye Jail Central Plant Building Water
 - Maricopa County Justice Court IT Closet HVAC Upgrades
 - Sunnyslope Probation Office Interview Rooms Tenant Improvement (TI)





ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

5. EXAMPLE PROJECTS BEST ILLUSTRATING SUBMITTER’S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects up to 5 projects. Complete one Section 5 for each project.)

a. PROJECT TITLE AND LOCATION

Department of Veterans Affairs VISN18 A/E & Energy Services On-Call Contracts - Phoenix, AZ; Prescott, AZ; Tucson, AZ; Albuquerque, NM; Amarillo, TX; El Paso, TX; and Big Spring, TX

b. YEAR COMPLETED

Services Contract (2014 – 2015);
Example Task Order: Ongoing

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER

Department of Veterans Phoenix VA
Health Care System
DeMarques Potter, General Engineer
Demarques.Potter@va.gov
602.277-5551 ext. 6431

d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT

Example Task Order is a MP effort with not construction cost information

e. TOTAL COST OF PROJECT

Example Task Order is a MP effort with not construction cost information

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (See Form Instructions)

Contract Description: Bridgers & Paxton Consulting Engineers is currently performing mechanical, electrical, plumbing engineering and technology design services under two VISN18 IDIQ contracts. **Since 2008, B&P has worked on 90+ VISN18 task order projects under six IDIQ/on-call contracts for the VA.** The VA VISN18 projects were located in: Amarillo, TX; Albuquerque, NM; El Paso, TX; Phoenix, AZ; Prescott, AZ; Tucson, AZ and Big Spring, TX.

On-Call Services Provided: A/E Energy Services: geothermal, co-generation, bio-mass, solar photovoltaic, wind turbine, retro-commissioning, commissioning, LEED-EB, renewable energy, feasibility studies, energy assessments, energy efficiency, water conservation, and greening of government projects. A/E Design Services: scope development, planning, concept development, interior design, environmental studies, feasibility studies, program analysis, design review, value engineering reviews, consulting/construction management, building designs for new facilities as well as rehabilitation and upgrade of existing facilities and systems to new buildings, building additions and/or building renovations. Additional services that may be required include preparation of designs, plans, drawings, life-cycle cost analysis, construction cost estimates, project specifications, fact-finding studies, surveys, investigations, advisory services on Source Selection Boards, other professional A/E services not necessarily connected with a specific construction project, and supervision / inspection of projects under construction.

Example Task Order Project for Current Contract: New Mexico VA Health Care System Master Planning for Future Minor Projects

B&P are the MEP engineers for this NMVAHCS Master Planning effort: 1) Master Planning for Spinal Cord Injury (SCI) Expansion and Renovation (Two Phases), 2) Master Planning for Emergency Department Expansion/Fuel Tank Relocation, 3) Master Planning for Fuel Tank Relocation (NRM), 4) Master Planning for Surgical Specialty/Rehab Expansion (2A/B), 5) Master Planning for Building 3 Seismic Mitigation (Includes Renovation for Domiciliary Space). MP efforts began in July 2014.

Discussion of any specific challenges and how they were overcome: Multiple Projects, in a 24/7 operation facility.

What type of system was designed: No systems were designed for this master plan task order.

What the Owner’s objectives were and whether they were met: The owner’s project objectives were met.

Additional Task Order Projects for this Contract:

- New Mexico VA Health Care System, Master Planning for Future Mino Projects
- New Mexico VA Health Care System, Master Utility Study
- Phoenix VA Medical Center, 3rd Party Value Engineering Assessment Master Plan
- Southern Arizona VA Health Care System, Legionella Domestic Water Loop Repairs B-2 and B-38
- Southern Arizona VA Health Care System, Legionella Domestic Water Loop Repairs Building 60 & 57





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

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

5. EXAMPLE PROJECTS BEST ILLUSTRATING SUBMITTER’S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects up to 5 projects. Complete one Section 5 for each project.)

a. PROJECT TITLE AND LOCATION Arizona Department of Transportation (ADOT) On-call Architectural Contract – Arizona Statewide
b. YEAR COMPLETED 2007 – 2014 Contract Duration

23. PROJECT OWNER’S INFORMATION

c. PROJECT OWNER Project Architect: Gabor Lorant Architects Jan Lorant, Gabor Lorant Architects janl@gaborlorant.com 602.667.9090	d. ORIGINAL BUDGET/NTE AMOUNT OF PROJECT \$10.2M for ADOT San Luis Port of Entry Task Order	e. TOTAL COST OF PROJECT \$11M for ADOT San Luis Port of Entry Task Order
---	--	--

f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(See Form Instructions)*

Contract Description: B&P is currently performing engineering design services under this multi-year ADOT services contract as a mechanical and electrical engineering sub consultant to Gabor Lorant Architects.

Example Task Order Project for Current Contract: Arizona Department of Transportation, San Luis Port of Entry – Greenfield, AZ

B&P provided mechanical, electrical and plumbing engineering design services for the 12,400 SF ADOT Port of Entry project which included an Administration Building, Truck Inspection Building and a Control Booth. The San Luis Port-of-Entry (serves as an inspection station for trucks crossing the Mexico/Arizona border. The port provides 12,400 SF of office and storage space for Arizona Department of Transportation (ADOT) staff, San Luis Motor Vehicle Division staff and Federal entities.

The San Luis Port-of-Entry (POE) Administration/Truck Inspection Building and the Control Booth provide the office and storage space for staff from MVD in a building that is attached to the truck inspection building. The administration component includes restrooms (men’s/women’s) with lockers/showers for staff; janitor maintenance/supply room; a communication system server room; conference room; an employee break room; inside storage rooms; training room; one lock-up cell; an outside patio area; an outside storage area; and a public area with unisex restroom, drinking fountain and pay telephone. The truck inspection building provides the space for the inspection of semi-trailer trucks in a single-level building. Red and green traffic signals over the entrance doors control the flow of trucks into the inspection bays. The inspection building is cooled with evaporative coolers, and features two illuminated inspection pits with automated retractable pit covers and ventilation systems. The facility is equipped with a truck exhaust system over the cab of the truck for each bay with an enclosed air conditioned/heated weigh master room with office space for one individual. Construction Dates: 2010 – 2012



Discussion of any specific challenges and how they were overcome: Designing a facility that supports the diverse needs of Arizona Department of Transportation (ADOT), San Luis Motor Vehicle Division and Federal entities. The facility design had to meet state and federal regulatory requirements, security and containment issues of a Mexico/Arizona border crossing. A/E team and client coordination meetings helped with to achieve a successful design.

What type of system was designed: interior lighting, electrical outlets, site lighting, electrical and voice/data service, building HVAC, ventilation, exhaust, backup power generator, low water consumption water closets, waterless urinals, low flow faucets and shower heads.

What the Owner’s objectives were and whether they were met: The owner’s project objectives were met to have a facility that met the needs of all state and federal building occupants.

Additional Task Order Projects for this Contract:
 ADOT Ehrenberg Port of Entry – Ehrenberg, AZ
 ADOT Douglas Port of Entry – Douglas, AZ



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

6. ADDITIONAL INFORMATION

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

Why are we different?

• In-house BIM/Revit Design Group

B&P has a full time BIM/Revit design group. Members of this group are AutoCAD 2015 & Revit Architecture 2015 Certified Professionals. B&P's project experience, employee development, and ongoing BIM research and content creation allows us to design and engineering services to fully support project needs. Our understanding of the differences between BIM projects and traditional design, engineering and construction projects allows us to collaborate with owners, architects, contractors and other engineers more effectively – contributing to more successful BIM projects.

Bridgers & Paxton Consulting Engineers provides Building Information Modeling (BIM) services supporting our clients design and engineering needs in the mechanical, plumbing, electrical, technology, instrumentation & controls disciplines. BIM services focus on enhancing project quality using 3D modeling and 4D phasing tools along with the B&P BIM Project Process which includes BIM project contracting, planning and implementation elements from the AIA E202 Building Information Protocol Exhibit and the BIM Project Execution Planning Guide V2.0.

B&P continues to advance both its BIM and CAD expertise through an employee evaluation and mentoring program coupled with specialized internal and external training in the mechanical, electrical, plumbing and technology disciplines. BIM project assignments are distributed thoughtfully to provide our modelers, designers and engineers hands-on project experience with BIM methodology and Revit software application across all disciplines. Distribution of project workload provides more team members the opportunity to be involved in BIM projects and increases the number of employees with actual BIM project experience.

B&P's mechanical, electrical, plumbing, technology and controls BIM project services include:

- Identifying BIM goals and uses
- Designing BIM project execution processes
- Developing information exchanges
- Defining supporting infrastructure for BIM implementation
- Collaborating with owners, architects and other engineers to successfully complete BIM projects
- Delivering the appropriate BIM Model Level of Development and traditional documents for design and construction project deliverables

We focus on keeping current with industry trends by working with our clients to implement the most current versions of the following software platforms:

- Autodesk Revit MEP
- Autodesk Revit Server Administrator
- Autodesk Activity Stream for Revit
- Autodesk Bluestreak Desktop
- Autodesk Navisworks
- Autodesk AutoCAD MEP
- Graphisoft MEP Export to ArchiCAD
- Bentley Microstation

• In house Energy Services Group

Bridgers & Paxton Consulting Engineers' knowledge of energy assessments and renewable energy planning are founded on the understanding of cost-of-ownership standards and the awareness of utility escalation and market conditions, through years of analysis. By following a methodical process, B&P is able to deliver realistic and reliable costs of equipment ownership, and in some cases, finding alternative financing mechanisms in the form of rebates, tax credits and other incentives. We offer the following energy consulting services:

Planning & Optimization

- Net-zero energy use benchmarking & coordination
- Energy modeling for building codes using performance compliance
- Capital planning for long-term energy efficiency projects
- Energy systems master-planning
- Building automation optimization

Analysis

- Building walkthroughs & energy audits consistent with ASHRAE guidelines
- Energy modeling & analysis of building systems and architecture



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

- Renewable energy systems planning (including fuel-cells and wind-energy)
- Life cycle costing & lowest cost systems selection
- Evaluation of energy systems with new construction & building retrofit/replacement decisions

Alternative Financing Assistance

- Energy rebates & incentives assistance
- Federal energy efficiency tax credit coordination
- Assistance with green loan financing programs
- Energy modeling & reporting for state and federal energy grants

Post Occupancy Services

- Energy star portfolio manager coordination
- Energy data analysis
- Energy budgeting in existing facilities
- Energy data logger installation & coordination
- Measurement & verification studies
- Ongoing measurement & verification

• **In-house Technology Design Group**

Bridgers & Paxton Consulting Engineer's Technology Group is well versed in the management, planning, engineering and design of technology systems. Our staff members have many industry leading certifications by organizations like Building Industry Consulting Services International (BICSI) and InfoComm. In the Information Transport Systems specialty, we currently employ four Registered Communications Distribution Designers (RCDD), one Network Technology Systems Designer (NTS), one Electronic Safety and Security Designer (ESS), and one Outside Plant Designer (OSP). Our Audio Video team is comprised of two Certified Technology Specialists and one Certified Technology Specialist Designer.

In the ever-evolving world of technology it is critical to maintain present day knowledge of standards and best practices. Our technology team is not only trained annually in various technologies, but also assists in the development of today's standards and best practice guidelines. Our current technology services include the following:

- Information Transport Systems
- Audio-Visual Systems
- Distributed Notification Systems
- Security
- Project management & owner's representation
- Master planning / prioritization & project management
- Request for Proposal (RFP) development & assessment
- Bid / proposal response evaluation
- Data center design & assessment
- Technology assisted classroom design
- Infrastructure standards development and assessment
- System integration (EMS, BMS)
- Multi-Site coordination

• **In-house Instrumentation & Controls Design Group**

Consistency, reliability and flexibility: Bridgers & Paxton Consulting Engineers knows the importance of well-designed control systems. Our firm has a full-time, in-house Controls Design Group that includes specialized individuals with backgrounds in the controls industry. We take great pride in their ability to evaluate the control requirements for a project and provide practical solutions that offer the client the best value solution. Instrumentation & controls services include:

- Building automation
 - Energy Management & Control Systems (EMCS)
 - Facility Management Systems (FMS)
 - Process Control Systems (PCS)
- Communications system design
- Computer networking & database design
- Distributed control systems
- Enterprise system master planning
- Legacy system evaluation & migration planning
- Plant efficiency & reporting
- DCS, HMI, PLC & SCADA
 - Distributed Control System (DCS)



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP015-00004729

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

- Human Machine Interfaces (HMI)
- Programmable Logic Controllers (PLC)
- Supervisory Control & Data Acquisition (SCADA)
- Regulated System Design & Validation
- Safety Instrumented Systems (SIS)
- System process control optimization
- Utility data management

● **In-house Cost Estimating**

We prepare estimates in order to support decision-making, support budgeting and ensure alignment between scope and budget. Our estimates are based on a mix of quotes from suppliers, published estimating guides (RS Means and Saylor), experience and speaking with contractors who serve the area. We have in-house mechanical and electrical cost estimators that prepare at least one estimate each week and we get bid results on at least one project every 1-2 weeks. This volume and continuous feedback help to keep their estimates close to actual market conditions.

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:	60%
b. Percentage of Total Work Attributable to Non-Government Work:	40%

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

Signature: *Steven O'Brien* Date: December 22, 2014

Name: Steven J. O'Brien, PE Title: Principal, Lead Mechanical Engineer