

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

OFFER

TO THE STATE OF ARIZONA:

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

Entellus, Inc.
 Company Name
3033 N. 44th Street, Suite 250
 Address
Phoenix AZ 85018
 City State Zip
linck@entellus.com
 Contact Email Address


 Signature of Person Authorized to Sign Offer
Bill Linck, PE
 Printed Name
Sr. Vice President
 Title
 Phone: 602.244.2566
 Fax: 602.244.8947

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

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

ACCEPTANCE OF OFFER

The Offer is hereby accepted.

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

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

The effective date of the Contract is March 1, 2016

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

State of Arizona 29 day of February 2016
 Awarded this


 Procurement Officer



ATTACHMENT I – General Qualifications

ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
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DEFINITIONS

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

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

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

Firm: Defined in ARS § 32-101(B.19.).

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

SPECIFIC INSTRUCTIONS:

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



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



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8. **Authorized Representative.** An authorized representative of the firm or branch office must **sign and date the completed form**. Signing attests that the information provided is current and factual. Provide the name and title of the authorized representative who signed the form.

List of Disciplines (Function Codes) for Question 2

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

List of Experience Categories (Profile Codes for Question 3)

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



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

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



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(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:	Entellus, Inc.
b. FIRM (OR BRANCH OFFICE) STREET:	3033 N. 44 th Street, Suite 250
c. FIRM (OR BRANCH OFFICE) CITY:	Phoenix
d. FIRM (OR BRANCH OFFICE) STATE:	AZ
e. FIRM (OR BRANCH OFFICE) ZIP CODE:	85018
f. YEAR ESTABLISHED:	1985
(g1). OWNERSHIP - TYPE:	Corporation
(g2) OWNERSHIP - SMALL BUSINESS STATUS:	Small Business
h. POINT OF CONTACT NAME AND TITLE:	Rosa Olivas, Business Development Director
i. POINT OF CONTACT TELEPHONE NUMBER:	602.244.2566
j. POINT OF CONTACT E-MAIL ADDRESS:	rolivas@entellus.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
CADD Technician	P	7	
Civil Engineer	P	12	
Construction Manager	P	1	
Construction Inspector	P	2	
Cost Engineer/Estimator	S	2	
Geographic Information System Specialist	P	1	
Sanitary Engineer	S	5	
Survey RLS	P	2	
Survey Technicians	P	4	
Technician/Analyst	P	4	
Transportation Engineer	S	5	
Water Resources Engineer	S	3	
Total		48	



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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)
1	Area Master Planning	4
2	Codes, Standards, Ordinances	3
1	Commercial Building (Low Rise); Shopping Centers	2
1	Community Facilities	1
5	Construction Management	4
3	Construction Surveying	4
5	Cost Estimating; Cost Engineering and Analysis; Parametric Costing;	1
1	Dams (Earth; Rock); Dikes; Levees	1
1	Design-Build – Preparation of Request for Proposal	1
8	Digital Elevation and Terrain Model Development	3
1	Design and Planning Structured Parking Facilities	1
2	Educational Facilities; Classrooms	1
2	Forensic Engineering	1
2	Garages; Vehicle Maintenance Facilities; Parking	1
6	Geodetic Surveying: Ground and Airborne	2
8	Highways; Streets; Airfield Paving; Parking Lots	4
1	Hotels; Motels	1
6	Housing (Residential, Multi-family; Apartments; Condominiums)	4
2	Industrial Building; Manufacturing Plants	1
16	Infrastructure	6
4	Irrigation; Drainage	3
12	Land Surveying	4
2	LEED Accredited A/E	1
2	Mining and Mineralogy	1



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a. Approximate No. of Projects	b. Experience	c. Revenue Index Number <i>(see below)</i>
2	Railroad; Rapid Transit	1
1	Recreation Facilities (Parks, Marinas, etc.)	1
4	Sewage Collection, Treatment and Disposal	2
2	Solid Waste; Incineration; Landfill	1
3	Surveying; Planning; Mapping; Floodplain Studies	2
2	Sustainable Design	1
4	Storm Water Handling and Facilities	2
6	Specifications Writing	2
4	Traffic and Transportation Engineering	2
5	Topographic Surveying and Mapping	2
6	Transportation	2
2	Urban Renewals; Community Development	2
6	Water Resources, Hydrology Ground Water	3
4	Water Supply; Treatment and Distribution	5
2	Water Well Rehabilitation; Water Well Work	1

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

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



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

a. NAME Michael J. Bonar	b. ROLE IN THIS CONTRACT Project Principal	c. YEARS EXPERIENCE	
		1. TOTAL 33	2. WITH CURRENT FIRM 28
d. FIRM NAME AND LOCATION <i>(City and State)</i> Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science Civil Engineering, Purdue University Masters of Business Administration Project Management, Arizona State		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona #20321 Civil Engineer / Utah #7810549-2202 Civil Engineer / Registered AZ #51995 Architectural Engineering / Associate Value Specialist (AVS) #201206034	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> ACEC of Arizona Past President (2010-2011) and Board Member (2003-2012) / American Public Works Association (APWA) Arizona Chapter Past-President (2005), Association of General Contractors: Co-Chair Subcommittee for Alternative Project Delivery Methods			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) Year Completed	
		Professional Services	Construction <i>(if applicable)</i>
1)	Engineering Standards Manual Update, Town of Gilbert , AZ	2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. Town of Gilbert needed to complete a major update to their existing Public Works and Engineering Standards and Details by developing an integrated Engineering Design and Construction Standards Manual (Manual). The Manual set forth the minimum requirements for construction of and improvements to public and private streets; water, sewer, and reclaimed water utilities; storm water systems; placement and operation of any other structures within Gilbert rights-of-way and easements, including streetlights and traffic signals; and all excavation and grading within Gilbert.		
2)	Camelback Core Booster Pump Station & Water Main Transmission, City of Phoenix, AZ	2009	2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Principal. A coalition of developers retained Entellus to perform an independent evaluation of water infrastructure improvements for Zones 1, 1A, and 2 within City of Phoenix. The analysis on the Public-Private-Partnership (P3) project was prompted by the City to verify the scope of local water improvements to support additional commercial development in the Camelback Core corridor. Entellus designed three miles of 20" through 42" waterlines and appurtenances. The alignment was developed after evaluating several corridors in the mature neighborhood development.		
3)	Optima Sonoran Village, Scottsdale, AZ	2013	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Principal. Entellus was retained by Optima, a commercial developer, to provide the civil engineering components for a multi-phase, mid-rise, mixed-use apartment community located at 68th Street and Camelback Road in Scottsdale, Arizona. At buildout the project will consist of approximately 800 units in 4 buildings on 10 acres. Phase One consisted of primary site development plus one 200 unit 6-story building.		
4)	Eastmark, City of Mesa , AZ	2011	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Principal. Entellus was retained by DMB Associates, Inc to design 11 separate parcels containing approximately 775 lots. The parcel designs were completed on a very fast-track schedule and customized parcel designs to meet the preferences of the seven builders that purchased the parcels. Parcels included highly amenitized parks that also served as retention basins. Extensive coordination with the landscape architect for both rough and finish grading, was completed. A bleed system, unique to the City of Mesa, was designed for each park.		
5)	Val Vista Transmission Main, Mesa, AZ	2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. Designed both 48-inch Transmission Water Main and 12-inch Distribution Water Main, while ensuring the least disruptive alternative by analyzing and engineering the most optimum horizontal and vertical design.		



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

a. NAME Timothy D. Crall	b. ROLE IN THIS CONTRACT Project Manager	c. YEARS EXPERIENCE	
		1. TOTAL 31	2. WITH CURRENT FIRM 12
d. FIRM NAME AND LOCATION <i>(City and State)</i> Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science Civil Engineering, Tri-State University		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona Civil Engineer #22861/ California Civil Engineer #45598 / Nevada Civil Engineer #11632 / New Mexico Civil Engineer #12898	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Program Committee, Urban Land Institute (ULI), Valley Partnership, Arizona Forward			

H. RELEVANT PROJECTS

1) Project Manager. This project is located on two parcels owned by Westwind Children Services located on the south side of Northern Avenue, west of 19th Avenue in Phoenix. Westwind Preparatory Academy and Westwind Middle School Academy are currently operating from a number of existing buildings on these parcels. The project provided several additional new buildings on the east half of the campus. A future phase calls for remodeling the existing buildings on the northwest portion and demolishing the buildings on the southwest portion to replace them with a parking lot and drop off zone.	(1) TITLE AND LOCATION <i>(City and State)</i> Westwind Preparatory School, City of Phoenix, AZ	(2) Year Completed	
		Professional Services 2013	Construction <i>(if applicable)</i> 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
2) Project Manager. Entellus was retained by Optima, a commercial developer, to provide the civil engineering components for a multi-phase, mid-rise, mixed-use apartment community located at 68th Street and Camelback Road in Scottsdale, Arizona. At buildout the project will consist of approximately 800 units in 4 buildings on 10 acres. Phase One consisted of primary site development plus one 200 unit 6-story building.	(1) TITLE AND LOCATION <i>(City and State)</i> Optima Sonoran Village, Scottsdale, AZ	(2) Year Completed	
		Professional Services 2013	Construction <i>(if applicable)</i> 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
3) Project Manager. This project is located on approximately 1.43 acres east of Roosevelt Road in Downtown Phoenix. The acreage covers lots 6, 7, and 8 of the La Mesita final plat. Current development of the site includes several existing one-story buildings. The proposed project developed several four-story buildings that will contain approximately 80 rental units. Support services and recreation areas are also to be incorporated into the development.	(1) TITLE AND LOCATION <i>(City and State)</i> La Mesita Apartments, City of Mesa, AZ	(2) Year Completed	
		Professional Services 2013	Construction <i>(if applicable)</i> 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
4) Project Manager. Entellus was retained by DMB Associates, Inc to design 11 separate parcels containing approximately 775 lots. The parcel designs were completed on a fast-track schedule and customized parcel designs to meet the preferences of the seven builders that purchased the parcels. Parcels included highly amenitized parks that also served as retention basins. Extensive coordination with the landscape architect for both rough and finish grading, was completed. A bleed system, unique to the City of Mesa, was designed for each park.	(1) TITLE AND LOCATION <i>(City and State)</i> Eastmark, City of Mesa, AZ	(2) Year Completed	
		Professional Services 2011	Construction <i>(if applicable)</i> 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		
5) Project Principal. The City of Phoenix retained Entellus to prepare a Flood Recovery Collective report. As part of this project, Entellus is currently collecting all the information on the efforts the City undertook to recover from the 2014 floods from different agencies and departments within the City. This includes two projects currently underway by the FCDMC, ADEM, FEMA and various City departments and the efforts by Street and Transportation Departments. Floodplain, Emergency Services, Parks among others.	(1) TITLE AND LOCATION <i>(City and State)</i> Flood Recovery Collective Report, Phoenix, AZ	(2) Year Completed	
		Professional Services 2015	Construction <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm		



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**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
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Phoenix, Arizona 85007**

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

a. NAME Alberto Gonzalez	b. ROLE IN THIS CONTRACT Project Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 13	2. WITH CURRENT FIRM 13
d. FIRM NAME AND LOCATION <i>(City and State)</i> Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science Civil Engineering, Arizona State University		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona Civil Engineer #49432	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Az Society of Civil Engineers (AzSCE) Phoenix Branch Past President, AzSCE Younger Members Forum, American Council of Engineering Companies (ACEC) of Arizona / ACEC Leadership in Engineering Administration Program (LEAP)			

H. RELEVANT PROJECTS

1) Project Engineer. This project is located on two parcels owned by Westwind Children Services located on the south side of Northern Avenue, west of 19th Avenue in Phoenix. Westwind Preparatory Academy and Westwind Middle School Academy are currently operating from a number of existing buildings on these parcels. The project provided several additional new buildings on the east half of the campus. A future phase calls for remodeling the existing buildings on the northwest portion and demolishing the buildings on the southwest portion to replace them with a parking lot and drop off zone.	(1) TITLE AND LOCATION <i>(City and State)</i> Westwind Preparatory School, City of Phoenix , AZ	(2) Year Completed	
		Professional Services 2013	Construction <i>(if applicable)</i> 2014
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
2) Project Engineer. Entellus was retained by Optima, a commercial developer, to provide the civil engineering components for a multi-phase, mid-rise, mixed-use apartment community located at 68th Street and Camelback Road in Scottsdale, Arizona. At buildout the project will consist of approximately 800 units in 4 buildings on 10 acres. Phase One consisted of primary site development plus one 200 unit 6-story building.	(1) TITLE AND LOCATION <i>(City and State)</i> Optima Sonoran Village, Scottsdale, AZ	(2) Year Completed	
		Professional Services 2013	Construction <i>(if applicable)</i> 2014
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
3) Project Engineer. This project is located on approximately 1.43 acres east of Roosevelt Road in Downtown Phoenix. The acreage covers lots 6, 7, and 8 of the La Mesita final plat. Current development of the site includes several existing one-story buildings. The proposed project developed several four-story buildings that will contain approximately 80 rental units. Support services and recreation areas are also to be incorporated into the development.	(1) TITLE AND LOCATION <i>(City and State)</i> La Mesita Apartments, City of Mesa , AZ	(2) Year Completed	
		Professional Services 2013	Construction <i>(if applicable)</i> 2014
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
4) Project Engineer. Entellus was retained by DMB Associates, Inc to design 11 separate parcels containing approximately 775 lots. The parcel designs were completed on a very fast-track schedule and customized parcel designs to meet the preferences of the seven builders that purchased the parcels. Parcels included highly amenitized parks that also served as retention basins. Extensive coordination with the landscape architect for both rough and finish grading, was completed. A bleed system, unique to the City of Mesa, was designed for each park.	(1) TITLE AND LOCATION <i>(City and State)</i> Eastmark, City of Mesa , AZ	(2) Year Completed	
		Professional Services 2011	Construction <i>(if applicable)</i> 2012
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm			
5) Project Engineer. Designed both 48-inch Transmission Water Main and 12-inch Distribution Water Main, while ensuring the least disruptive alternative by analyzing and engineering the most optimum horizontal and vertical design.	(1) TITLE AND LOCATION <i>(City and State)</i> Val Vista Transmission Main, Mesa, AZ	(2) Year Completed	
		Professional Services 2015	Construction <i>(if applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <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 William Linck	b. ROLE IN THIS CONTRACT Project Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 20	2. WITH CURRENT FIRM 18
d. FIRM NAME AND LOCATION (City and State) Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science Civil Engineering, Marquette University		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered AZ #20321 Civil Engineer / Level I Site Assessment Certification	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Council of Engineering Companies (ACEC) of Arizona / ACEC Leadership in Engineering Administration Program (LEAP) / American Public Works Association (APWA) Arizona Chapter / As OSHA 40-hour Hazardous Waste Site Operations Training			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Engineering Standards Manual Update, Town of Gilbert , AZ	(2) Year Completed	
		Professional Services -2015	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. Town of Gilbert needed to complete a major update to their existing Public Works and Engineering Standards and Details by developing an integrated Engineering Design and Construction Standards Manual (Manual). The Manual will set forth the minimum requirements for construction of and improvements to public and private streets; water, sewer, and reclaimed water utilities; storm water systems; placement and operation of any other structures within Gilbert rights-of-way and easements, including streetlights and traffic signals; and all excavation and grading within Gilbert.		
2)	(1) TITLE AND LOCATION (City and State) Southwest Zone 1 Transmission Main, Phoenix, AZ	(2) Year Completed	
		Professional Services 2014	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 Project Manager. This project provides redundancy to an existing 48-inch water transmission main located in Indian School Road between 35th Avenue and 99th Avenue. The project required new water transmission mains in two areas: Area 1 - Buckeye Road from 35th Avenue to 67th Avenue and Area 2 - the general area bounded by Camelback Road, Thomas Road, Loop 101 and 67th Avenue. Entellus evaluated potential corridors for the transmission main in Area 2 by developing preliminary drawings and evaluated each corridor on hydraulics, constructability, cost and schedule.		
3)	(1) TITLE AND LOCATION (City and State) Germann Road Improvements, Chandler, AZ	(2) Year Completed	
		Professional Services 2014	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 Project Manager The City of Chandler retained Entellus to provide design services including roadway and utility design, landscape, traffic signal and street light engineering services, permitting, and development of construction documents for the improvements to Germann Road from Dobson Road to Arizona Avenue. The improvements included: new asphalt pavement, continuous curb and gutter, raised median, sidewalks, bus bays, water lines, reclaimed water line, sewer line and street drainage including retention basins. The roadway was designed for six lanes with a raised median and bicycle lanes.		
4)	(1) TITLE AND LOCATION (City and State) Centennial Way Transportation Enhancements Design-Build, City of Phoenix , AZ	(2) Year Completed	
		Professional Services 2011	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 Project Manager. Entellus was retained by the City of Phoenix for the Centennial Way (19th Ave to 7th Ave) Design-Build project, Entellus was the design engineer and Achen-Gardner was the contractor. The project consisted of arterial street mill and overlay, decorative sidewalks and crosswalks, ADA upgrades, bike lanes, street and pedestrian lighting, shade structures, benches, decorative displays, wayfinding signage, planting and irrigation, and other street beautification items. Entellus also provided right-of-way coordination, including development of IGA's for future maintenance. This transportation enhancement project represents a successful collaboration between the City of Phoenix, the State of Arizona, and the federal government to not only execute the Arizona State Capitol 2012 Plan, but also celebrate Arizona's historical heritage and make a positive step to achieve the 2020 vision for the corridor.		
5)	(1) TITLE AND LOCATION (City and State) Mesa Drive and Southern Avenue Improvements, City of Mesa	(2) Year Completed	
		Professional Services 2012	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. Entellus was retained by the City of Mesa to design intersection improvements of Mesa Drive and Southern Avenue. The intersection is located approximately one-half mile north of US 60. This project included: arterial road widening, curb and gutter, sidewalk, storm drain, watermain, street lights, traffic signals and utility coordination and relocation, enhanced pedestrian amenities, artistic entry monuments, bus shelters and enhanced landscaping, SRP irrigation relocation, and extensive coordination with property owners. These improvements provide capacity and access for multi-modal users, which increased the quality of life for Mesa's residents and visitors. The project was constructed using the CMAR delivery method requiring a significant amount of coordination with the contractor. Entellus obtained encroachment permits from the UPRR.		

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



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a. NAME Breanna Connolly	b. ROLE IN THIS CONTRACT Project Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 8	2. WITH CURRENT FIRM 7
d. FIRM NAME AND LOCATION (City and State) Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science Civil Engineering, University of Arizona		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Arizona #52606 Civil Engineer	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) American Council of Engineering Companies (ACEC) of Arizona / ACEC Leadership in Engineering Administration Program (LEAP) / American Public Works Association (APWA) Arizona Chapter			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION (City and State) Sossaman Road PRV Removal and Water Line Replacement, City of Mesa, AZ	(2) Year Completed	
		Professional Services 2014	Construction (if applicable) 2014
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. With the closure of Williams Air Force Base in the 1990s, the City of Mesa became the owner and operator of portions of the existing water system. Over the years, the City has made various improvements to the systems. The City of Mesa retained Entellus to convert portions of the areas within the airport to the system pressure in the Falcon Field water pressure zone. Improvements in these areas included installation of new waterlines, removal and abandonment of existing waterlines, removal of two pressure reducing valves (PRV Nos. 22 & 34) along Sossaman Road, installation of new services and meters, removal of existing underground master meters, installation of new above ground master meters, installation of new pressure reducing valves on existing or proposed services and other improvements.		
2)	(1) TITLE AND LOCATION (City and State) Val Vista Main Transmission, Mesa, AZ	(2) Year Completed	
		Professional Services 2015	Construction (if applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. Designed both 48-inch Transmission Water Main and 12-inch Distribution Water Main, while ensuring the least disruptive alternative by analyzing and engineering the most optimum horizontal and vertical design..		
3)	(1) TITLE AND LOCATION (City and State) Germann Road Improvements, Chandler, AZ	(2) Year Completed	
		Professional Services 2014	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 Project Engineer. The City of Chandler retained Entellus to provide design services including roadway and utility design, landscape, traffic signal and street light engineering services, permitting, and development of construction documents for the improvements to Germann Road from Dobson Road to Arizona Avenue. The improvements included: new asphalt pavement, continuous curb and gutter, raised median, sidewalks, bus bays, water lines, reclaimed water line, sewer line and street drainage including retention basins. The roadway was designed for six lanes with a raised median and bicycle lanes.		
4)	(1) TITLE AND LOCATION (City and State) Southwest Zone 1 Transmission Main, Mesa, AZ	(2) Year Completed	
		Professional Services 2014	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 Project Engineer. This project provides redundancy to an existing 48-inch water transmission main located in Indian School Road between 35 th Avenue and 99 th Avenue. The project required new water transmission mains in two areas: Area 1 - Buckeye Road from 35 th Avenue to 67 th Avenue and Area 2 - the general area bounded by Camelback Road, Thomas Road, Loop 101 and 67 th Avenue. Entellus evaluated potential corridors for the transmission main in Area 2 by developing preliminary drawings and evaluated each corridor on hydraulics, constructability, cost and schedule.		
5)	(1) TITLE AND LOCATION (City and State) Mesa Drive and Southern Avenue Improvements, City of Mesa	(2) Year Completed	
		Professional Services 2012	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 Project Engineer. Entellus was retained by the City of Mesa to design intersection improvements of Mesa Drive and Southern Avenue. The intersection is located approximately one-half mile north of US 60. This project included: arterial road widening, curb and gutter, sidewalk, storm drain, watermain, street lights, traffic signals and utility coordination and relocation, enhanced pedestrian amenities, artistic entry monuments, bus shelters and enhanced landscaping, SRP irrigation relocation, and extensive coordination with property owners. These improvements provide capacity and access for multi-modal users, which increased the quality of life for Mesa's residents and visitors. The project was constructed using the CMAR delivery method requiring a significant amount of coordination with the contractor. Entellus obtained encroachment permits from the UPRR.		



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

a. NAME Martin Weeden	b. ROLE IN THIS CONTRACT Project Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 11	2. WITH CURRENT FIRM 1
d. FIRM NAME AND LOCATION (City and State) Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018			
e. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Science in Civil/Environmental Engineering, Arizona State University, 2006 Master of Science in Environmental Engineering, Arizona State University, 2013		f. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Civil Engineer, AZ #51372, 2010	
g. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Arizona Water Association, American Society of Civil Engineers			

1)	(1) TITLE AND LOCATION (City and State) City Well Sites 25 and 27 City of Mesa, AZ	(2) Year Completed	
		Professional Services 2015	Construction (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. New gaseous chlorine systems at each site, complete with fabricated building enclosure, chlorine analyzer, dosing system, pumps, valving, injection, etc. Improvements also included the design of well pump upgrades (added 3rd stage to existing well pump), POE sampling stations, a deep well pump control valve, new piping and valving for connecting to the transmission main, electrical and SCADA upgrades, new potable water services, emergency eye-wash/showers, flow meters, sewer drains and site work			
2)	(1) TITLE AND LOCATION (City and State) Val Vista Transmission Main, Mesa, AZ	(2) Year Completed	
		Professional Services 2015	Construction (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. Designed both 48-inch Transmission Water Main and 12-inch Distribution Water Main, while ensuring the least disruptive alternative by analyzing and engineering the most optimum horizontal and vertical design.			
3)	(1) TITLE AND LOCATION (City and State) Reservoir Assessments and Rehabilitation Design, City of Phoenix, AZ	(2) Year Completed	
		Professional Services 2015	Construction (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. Perform full site and reservoir condition assessments for Deem Hills (15MG), Happy Valley (5MG), and 64th St. #1 (20MG) for the City of Phoenix. Included the full site inspection of all equipment and facilities on-site as well as float down inspections and dry inspections of Deem Hills and 64th St. #1. Recommendations were made based on the condition assessment reports and rehabilitation plan sets were also created for two of the reservoirs. Project involved much coordination with many different City departments, subconsultants, JOC contractor (Felix), and Entellus staff in order to maintain strict shut-down schedules set by the City. Principal tasks included careful coordination, performing Float down inspections, leak tests, generating detailed MOPOs, developing assessment reports and rehabilitation plans and specs.			
4)	(1) TITLE AND LOCATION (City and State) WWTP Upgrade Evaluation/New WWTP Design Desert Diamond Casino	(2) Year Completed	
		Professional Services 2014	Construction (if applicable)
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project Engineer. Design 0.2 MGD EASS Wastewater Treatment Facility. Design of a 200,000 gallon steel tank, multiple pump stations including a booster pump station for reclaimed water distribution, chlorine disinfection and extensive site work. Met tight 3 month schedule to produce 100% plans and specs with minimal			
5)	(1) TITLE AND LOCATION (City and State) Desert Ridge Superblock 1 South 42"/36" Water Transmission Main City of Phoenix, AZ	(2) Year Completed	
		Professional Services 2007	Construction (if applicable) 2008
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Project Engineer. Designed approximately three miles of 42-inch and 36-inch DIP potable water transmission main. Researched and obtained easement and right-of-way for various sections of waterline alignment. Designed Jack and Bore of 66-inch steel casing for 366 feet under Loop 101.			



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

a. NAME Denis Howe	b. ROLE IN THIS CONTRACT Project Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 35	2. WITH CURRENT FIRM 19
d. FIRM NAME AND LOCATION <i>(City and State)</i> Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science Civil Engineering, Brigham Young University		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona #19584 Civil Engineer / Utah #171466-2202 Civil Engineer	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Az Society of Civil Engineers (AzSCE) Phoenix Branch, Past President / AzSCE Arizona Section, Treasurer / ACEC of Arizona Roads & Streets Committee / American Public Works Association (APWA) Arizona Chapter			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) Year Completed	
		Professional Services	Construction <i>(if applicable)</i>
1)	District Minor On-call, Arizona Department of Transportation (ADOT)	2011-Current	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. Entellus was selected to assist ADOT Districts in performing pre-construction activities to take a task order (TO) from concept to construction. These services allow ADOT to take care of local issues as they are identified. Each separate Task Order (TO) in this contract have unique scope-of-work, defined length of service and individual notice-to-proceed. The duration of services depends on the specific scope-of-services for each task. Entellus has worked with the Phoenix Construction District and currently with the Prescott District on task orders that required the development of complete construction documents including plans, specifications, and cost estimates.		
2)	Gilbert Road Improvements, City of Chandler, AZ	2014	2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. Entellus was retained by the City of Chandler to widen Gilbert Road from Germann Road to Queen Creek Road in Phase I and then an additional four miles from Queen Creek Road to Hunt Highway in Phase II. The improvements widened Gilbert Road from two lanes to a six lane urban section with continuous curb and gutter, raised median, sidewalks, water and wastewater pipe, street drainage, retention basins, street lights and traffic signals at a major intersection. The work included dry and wet utility coordination and relocation, preparation of plans, drainage report, right-of-way and legal descriptions, specifications package and cost estimate.		
3)	Kelvin Bridge, Pinal County, AZ	2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. Entellus performed design services to prepare a Design Concept Report (DCR), Environmental Assessment (EA), Construction Plans, specifications and estimates for the Kelvin Road Bridge Replacement ADOT Structure #8441 over the Gila River. Scope of services included data collection (topographic survey, aerial survey, geotechnical investigation, drainage, right-of-way entry), Hydrology/Hydraulics (existing data review, hydrologic analysis, bridge hydraulics, sediment transport and scour analysis, drainage report), roadway and bridge design. Due to budget constraints at County, design and construction were delayed for over five years. Entellus is currently finalizing plans to ADOT Standards as the County obtained federal funds.		
4)	SR303L, Thomas Road to Camelback Road, ADOT	2014	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. This segment of the SR303L Freeway improvements from Thomas to Camelback road is within the Cities of Goodyear and Glendale limits, with some portions in unincorporated Maricopa County, Arizona. This project is one of seven projects identified for the I-10 to US60 segment of SR303L. It provided a 3+0 lane configuration to the outside, while the ultimate facility will have two additional lanes in each direction to the inside to provide a 4+1 lane configuration. This project provided two new traffic interchanges at Indian School and Camelback Roads. Specifically, Entellus was responsible for the Indian School Road design and ties to the adjacent ramps. Entellus also provided wet utility designs for water line relocations for the Liberty Water Company throughout the project corridor including agency reviews and permitting through the Maricopa County Environmental Services Division (MCESD).		
5)	Shea Boulevard Improvements, Fountain Hills, AZ	2012	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. Entellus completed a contract to provide services to widen the existing two-lane westbound segment of Shea Boulevard between Fountain Hills Boulevard and Palisades Boulevard. The widening added a third travel lane, bicycle lane, multi-purpose lane, curb and gutter and a median cross over. Additional turn lanes were constructed at both the Palisades Boulevard and Fountain Hills Boulevard intersections. The Town obtained federal funding in the form of STP funds managed through the ADOT Local Government Section. The project scope included a Design Concept Report (DCR), Environmental Categorical Exclusion, Construction Documents and Post-Design Services.		



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

a. NAME Hernan Aristizabal	b. ROLE IN THIS CONTRACT Project Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 25	2. WITH CURRENT FIRM 22
d. FIRM NAME AND LOCATION <i>(City and State)</i> Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science Agricultural and Irrigation Engineering, Utah State University / Masters of Civil and Environmental Engineering, Utah State University		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona #29737 Civil Engineer / Utah #177010-2202 Civil Engineer / Certified Floodplain Manager	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> ACEC of Arizona / American Public Works Association Arizona Chapter / Arizona Floodplain Management Association / Association of State Floodplain Managers			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) Year Completed	
		Professional Services	Construction <i>(if applicable)</i>
1)	East Mesa Area Drainage Master Plan (ADMP) Update, Flood Control District of Maricopa County	2014	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. Town of Gilbert needed to complete a major update to their existing Public Works and Engineering Standards and Details by developing an integrated Engineering Design and Construction Standards Manual (Manual). The Manual set forth the minimum requirements for construction of and improvements to public and private streets; water, sewer, and reclaimed water utilities; storm water systems; placement and operation of any other structures within Gilbert rights-of-way and easements, including streetlights and traffic signals; and all excavation and grading within Gilbert.		
2)	Flood Recovery Collective Report, Phoenix, AZ	2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. The City of Phoenix retained Entellus to prepare a Flood Recovery Collective report. As part of this project, Entellus is currently collecting all the information on the efforts the City undertook to recover from the 2014 floods from different agencies and departments within the City. This includes two projects currently underway by the FCDMC, ADEM, FEMA and various City departments and the efforts by Street and Transportation Departments, Floodplain, Emergency Services, Parks among others.		
3)	Eloy Industrial Park On-call, Pinal County, AZ	2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Principal. The Eloy Industrial Park Analysis was performed for the Pinal County Flood Control District as part of an on-call contract with Pinal County Public Works. This project in the Lower Santa Cruz River Watershed performed several analyses with the primary objective of establishing the existing conditions at the Santa Cruz River & Greene Canal split flow and at the Eloy Industrial Park site.		
4)	Pima Road / Deer Valley Channel Design, City of Scottsdale, AZ	2011	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. Entellus was contracted by Scottsdale to perform roadway and drainage improvements along the Pima Road Corridor. The drainage directly affected several homeowners associations and required significant coordination. Entellus updated the existing HEC-1 models to reflect the current conditions as well as to reflect the proposed improvements to the area. The City and the HOAs wanted to be able to definitively see the effects of the improvements on the flood prone area for an array of storms, not just the 100-year event. Entellus generated FLO-2D models for the 2, 5, 10, 25, 50 and 100-year events. The purpose of utilizing the various storm events was to confirm the existing conditions (FLO-2D inundation maps were utilized to confirm known nuisance and large event flooding areas) as well as establish how the drainage improvements functioned for the different storm events and to win acceptance by the various HOAs. Results from the modeling produced and provided the City with visually simple graphics communicating the complex modeling results and the improvements to the drainage conditions that the proposed channel and storm drain would have on the area. These graphics were presented to the various HOAs and stakeholders and ultimately helped gain their support for the project Entellus also performed the design of the 2 miles of large channel along Pima road, a ½ mile storm drain along Pima and performed upgrades to the outlet channel along Deer Valley.		
5)	Coyote Wash Floodplain Delineation, Yuma County, AZ	2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager. Entellus was retained by Yuma County to perform detailed floodplain delineation for 12 miles of Coyote Wash between the Gila River and the Barry Goldwater Bombing Range. This included determination of the flows, development of floodplain/floodway boundaries, and preparation of FEMA package. Several different analyses were carried out to determine how flow would be affected by the dike and to determine the best way to realistically model flooding potential at and downstream of the dike. Our analysis showed that the dike would not be exposed to more than 3 to 4 feet of head during a 100-year storm; therefore, it was determined that a catastrophic failure was unlikely. This delineation along with Entellus' delineation of Wash A and the Gila River were submitted to FEMA and accepted with only minor comments.		



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**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

**STATE PROCUREMENT OFFICE
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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 Ryan Sauer	b. ROLE IN THIS CONTRACT Project Engineer	c. YEARS EXPERIENCE	
		1. TOTAL 14	2. WITH CURRENT FIRM 14
d. FIRM NAME AND LOCATION <i>(City and State)</i> Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science Civil Engineering, Arizona State University / Masters of Science, Civil & Environmental Engineering, Arizona State University		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona #46866 Civil Engineer / Certified Floodplain Manager	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> ACEC of Arizona / Arizona Floodplain Management Association (AFMA) / Association of State Floodplain Managers (ASFM)			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION <i>(City and State)</i> East Mesa Area Drainage Master Plan (ADMP) Update, Flood Control District of Maricopa County	(2) Year Completed	
		Professional Services 2012-2013	Construction <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. Town of Gilbert needed to complete a major update to their existing Public Works and Engineering Standards and Details by developing an integrated Engineering Design and Construction Standards Manual (Manual). The Manual set forth the minimum requirements for construction of and improvements to public and private streets; water, sewer, and reclaimed water utilities; storm water systems; placement and operation of any other structures within Gilbert rights-of-way and easements, including streetlights and traffic signals; and all excavation and grading within Gilbert.		
2)	(1) TITLE AND LOCATION <i>(City and State)</i> Flood Recovery Collective Report, Phoenix, AZ	(2) Year Completed	
		Professional Services 2010	Construction <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. The City of Phoenix retained Entellus to prepare a Flood Recovery Collective report. As part of this project, Entellus is currently collecting all the information on the efforts the City undertook to recover from the 2014 floods from different agencies and departments within the City. This includes two projects currently underway by the FCDMC, ADEM, FEMA and various City departments and the efforts by Street and Transportation Departments, Floodplain, Emergency Services, Parks among others.		
3)	(1) TITLE AND LOCATION <i>(City and State)</i> Eloy Industrial Park On-call, Pinal County, AZ	(2) Year Completed	
		Professional Services 2013	Construction <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. The Eloy Industrial Park Analysis was performed for the Pinal County Flood Control District as part of an on-call contract with Pinal County Public Works. This project in the Lower Santa Cruz River Watershed performed several analyses with the primary objective of establishing the existing conditions at the Santa Cruz River & Greene Canal split flow and at the Eloy Industrial Park site.		
4)	(1) TITLE AND LOCATION <i>(City and State)</i> Pima Road / Deer Valley Channel Design, City of Scottsdale, AZ	(2) Year Completed	
		Professional Services 2011	Construction <i>(if applicable)</i> 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. Entellus was contracted by Scottsdale to perform roadway and drainage improvements along the Pima Road Corridor. The drainage directly affected several homeowners associations and required significant coordination. Entellus updated the existing HEC-1 models to reflect the current conditions as well as to reflect the proposed improvements to the area. The City and the HOAs wanted to be able to definitively see the effects of the improvements on the flood prone area for an array of storms, not just the 100-year event. Entellus generated FLO-2D models for the 2, 5, 10, 25, 50 and 100-year events. The purpose of utilizing the various storm events was to confirm the existing conditions (FLO-2D inundation maps were utilized to confirm known nuisance and large event flooding areas) as well as establish how the drainage improvements functioned for the different storm events and to win acceptance by the various HOAs.		
5)	(1) TITLE AND LOCATION <i>(City and State)</i> Coyote Wash Floodplain Delineation, Yuma County, AZ	(2) Year Completed	
		Professional Services 2013	Construction <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Engineer. Entellus was retained by Yuma County to perform detailed floodplain delineation for 12 miles of Coyote Wash between the Gila River and the Bary Goldwater Bombing Range. This included determination of the flows, development of floodplain/floodway boundaries, and preparation of FEMA package. Several different analyses were carried out to determine how flow would be affected by the dike and to determine the best way to realistically model flooding potential at and downstream of the dike. Our analysis showed that the dike would not be exposed to more than 3 to 4 feet of head during a 100-year storm; therefore, it was determined that a catastrophic failure was unlikely. This delineation along with Entellus' delineation of Wash A and the Gila River were submitted to FEMA and accepted with only minor comments.		



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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 Chris Christiansen	b. ROLE IN THIS CONTRACT Geographic Information Systems (GIS)	c. YEARS EXPERIENCE	
		1. TOTAL 14	2. WITH CURRENT FIRM 14
d. FIRM NAME AND LOCATION <i>(City and State)</i> Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science Computer Visualization Technology, ITT, 2003 / Masters of Science Geographic Information Systems, Arizona State University		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Certified Geographic Information Systems Professional (GISP) #00061429 GIS Certification Institute	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Council of Engineering Companies (ACEC) of Arizona / ACEC Leadership in Engineering Administration Program (LEAP) / Arizona Floodplain Management Association (AFMA) / Field GIS: Collection Data Using ArcPAD (ESRI)			

H. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) Year Completed	
		Professional Services	Construction <i>(if applicable)</i>
1)	East Mesa Area Drainage Master Plan (ADMP) Update, Flood Control District of Maricopa County	2012-2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm GIS Specialist. Town of Gilbert needed to complete a major update to their existing Public Works and Engineering Standards and Details by developing an integrated Engineering Design and Construction Standards Manual (Manual). The Manual set forth the minimum requirements for construction of and improvements to public and private streets; water, sewer, and reclaimed water utilities; storm water systems; placement and operation of any other structures within Gilbert rights-of-way and easements, including streetlights and traffic signals; and all excavation and grading within Gilbert.		
2)	Flood Recovery Collective Report, Phoenix, AZ	2015	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm GIS Specialist. The City of Phoenix retained Entellus to prepare a Flood Recovery Collective report. As part of this project, Entellus is currently collecting all the information on the efforts the City undertook to recover from the 2014 floods from different agencies and departments within the City. This includes two projects currently underway by the FCDMC, ADEM, FEMA and various City departments and the efforts by Street and Transportation Departments, Floodplain, Emergency Services, Parks among others.		
3)	Eloy Industrial Park On-call, Pinal County, AZ	2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm GIS Specialist. The Eloy Industrial Park Analysis was performed for the Pinal County Flood Control District as part of an on-call contract with Pinal County Public Works. This project in the Lower Santa Cruz River Watershed performed several analyses with the primary objective of establishing the existing conditions at the Santa Cruz River & Greene Canal split flow and at the Eloy Industrial Park site.		
4)	Pima Road / Deer Valley Channel Design, City of Scottsdale, AZ	2011	2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm GIS Specialist. Entellus was contracted by Scottsdale to perform roadway and drainage improvements along the Pima Road Corridor. The drainage directly affected several homeowners associations and required significant coordination. Entellus updated the existing HEC-1 models to reflect the current conditions as well as to reflect the proposed improvements to the area. The City and the HOAs wanted to be able to definitively see the effects of the improvements on the flood prone area for an array of storms, not just the 100-year event. Entellus generated FLO-2D models for the 2, 5, 10, 25, 50 and 100-year events. The purpose of utilizing the various storm events was to confirm the existing conditions (FLO-2D inundation maps were utilized to confirm known nuisance and large event flooding areas) as well as establish how the drainage improvements functioned for the different storm events and to win acceptance by the various HOAs.		
5)	Coyote Wash Floodplain Delineation, Yuma County, AZ	2013	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm GIS Specialist. Entellus was retained by Yuma County to perform detailed floodplain delineation for 12 miles of Coyote Wash between the Gila River and the Barry Goldwater Bombing Range. This included determination of the flows, development of floodplain/floodway boundaries, and preparation of FEMA package. Several different analyses were carried out to determine how flow would be affected by the dike and to determine the best way to realistically model flooding potential at and downstream of the dike. Our analysis showed that the dike would not be exposed to more than 3 to 4 feet of head during a 100-year storm; therefore, it was determined that a catastrophic failure was unlikely. This delineation along with Entellus' delineation of Wash A and the Gila River were submitted to FEMA and accepted with only minor comments.		



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

a. NAME Dan Francetic	b. ROLE IN THIS CONTRACT Surveyor	c. YEARS EXPERIENCE	
		1. TOTAL 22	2. WITH CURRENT FIRM 8
d. FIRM NAME AND LOCATION <i>(City and State)</i> Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018			
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science Surveying, Ohio State University		f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Arizona #33874 Land Surveyor / New Mexico #18994 Land Surveyor / Nevada #020262 Land Surveyor / Certified Federal Surveyor (CFedS) #1090 / NSPS Certified Survey Technician (CST), #0707-3098	
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Council of Engineering Companies (ACEC) of Arizona / Arizona Professional Land Surveyors / National Society of Professional Surveyors			

H. RELEVANT PROJECTS

1)	(1) TITLE AND LOCATION <i>(City and State)</i> Railroad Crossing Safety Improvements, City of Phoenix, AZ	(2) Year Completed	
		Professional Services 2015	Construction <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Surveyor. Entellus was retained by the City of Phoenix to complete the design for improvements to eight (8) UPRR railroad crossings at existing roadway sections. The improvements included pedestrian crossing modifications, curb and gutter, track crossing material, coordination of railroad access requirements, signage and striping, grading and drainage, utility coordination and relocation, and identification of additional rights-of-way and easement requirements.		
2)	(1) TITLE AND LOCATION <i>(City and State)</i> Southwest Zone 1 Transmission Main, Indian School Road Corridor, City of Phoenix, AZ	(2) Year Completed	
		Professional Services 2014	Construction <i>(if applicable)</i> 2015
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Surveyor. The new Southwest Zone 1 transmission mains were identified as part of the Large Transmission Main Assessment Program to provide redundancy in the west portion of the City service area. This project provides redundancy to an existing 48-inch water transmission main located in Indian School Road between 35th Avenue and 99th Avenue. The project required new water transmission mains in two areas: Area 1 - Buckeye Road from 35th Avenue to 67th Avenue and Area 2 - the general area bounded by Camelback Road, Thomas Road, Loop 101 and 67th Avenue.		
3)	(1) TITLE AND LOCATION <i>(City and State)</i> Eastmark, City of Mesa , AZ	(2) Year Completed	
		Professional Services 2011	Construction <i>(if applicable)</i> 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Surveyor. Entellus was retained by DMB Associates, Inc to design 11 separate parcels containing approximately 775 lots. The parcel designs were completed on a fast-track schedule and customized parcel designs to meet the preferences of the seven builders that purchased the parcels. Parcels included highly amenitized parks that also served as retention basins. Extensive coordination with the landscape architect for both rough and finish grading, was completed. A bleed system, unique to the City of Mesa, was designed for each park.		
4)	(1) TITLE AND LOCATION <i>(City and State)</i> La Mesita Apartments, City of Mesa, AZ	(2) Year Completed	
		Professional Services 2013	Construction <i>(if applicable)</i> 2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Surveyor. This project is located on approximately 1.43 acres east of Roosevelt Road in Downtown Phoenix. The acreage covers lots 6, 7, and 8 of the La Mesita final plat. Current development of the site includes several existing one-story buildings. The proposed project developed several four-story buildings that will contain approximately 80 rental units. Support services and recreation areas are also to be incorporated into the development.		
5)	(1) TITLE AND LOCATION <i>(City and State)</i> Val Vista Transmission Main, Mesa, AZ	(2) Year Completed	
		Professional Services 2015	Construction <i>(if applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Surveyor. Designed both 48-inch Transmission Water Main and 12-inch Distribution Water Main, while ensuring the least disruptive alternative by analyzing and engineering the most optimum horizontal and vertical design..		



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

a. NAME Mike Colland		b. ROLE IN THIS CONTRACT Construction Management		c. YEARS EXPERIENCE	
				1. TOTAL 16	2. WITH CURRENT FIRM 9
d. FIRM NAME AND LOCATION <i>(City and State)</i> Entellus, Inc. 3033 N. 44th Street, Suite 250 Phoenix, AZ 85018					
e. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Science Construction, Arizona State University			f. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> "A" General Engineering Arizona Contractor's license ROC 220970 / Certified Professional Constructor CPC #751 with American Institute of Constructors3098		
g. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> American Council of Engineering Companies (ACEC) of Arizona / ACEC Leadership in Engineering / Completed 10 hour OSHA Certification Training / Rule 310 Certification MCAQD					
(1) TITLE AND LOCATION <i>(City and State)</i> Ocotillo Road Improvements Construction Management, City of Chandler, AZ		(2) Year Completed			
		Professional Services 2013	Construction <i>(if applicable)</i> 2015		
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm			
1) Construction Manager. Entellus was retained by the City of Chandler to complete Ocotillo Road Improvements construction management services. This is a federally funded project, using Highway Safety Improvement Program (HSIP) funds, and is currently programmed for construction FY13/14. Entellus assisted with post design services including pre-bid services, submittal review and approval, Request for Information (RFI) tracking, quantity verification and contractor payment verification review, County Approval of Construction, Quality Assurance testing, application of federal standards, review of construction redlines and preparation of as-builts.					
(1) TITLE AND LOCATION <i>(City and State)</i> Camelback Core (Zone 1, 1A, 2A) Water Transmission Improvements, City of Phoenix, AZ		(2) Year Completed			
		Professional Services 2007	Construction <i>(if applicable)</i> 2010		
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm			
2) Construction Manager. Entellus designed and executed the construction administration and inspection for 16,000 feet of waterline and appurtenances ranging in size from 16-inches to 42-inches, installed with careful maintenance of traffic (MOT) in both urban arterials and residential side streets. Entellus also designed and inspected the construction of the associated 33 MGD Booster Pump Station. The finished improvements were commissioned into the City's water distribution system to support future high density developments in the Camelback Core area.					
(1) TITLE AND LOCATION <i>(City and State)</i> Happy Valley Road and I-17 Park-And-Ride, City of Phoenix, AZ		(2) Year Completed			
		Professional Services 2010	Construction <i>(if applicable)</i> 2011		
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm			
3) Construction Manager. Entellus designed and executed the construction administration and inspection for a 7.7 acre facility that could accommodate up to 520 vehicles. The site improvements included: mass grading, an off-site and on-site waterline, on-site sewer improvements, a designated fire line, security building, ADOT freeway ramp, drainage improvements, street and area lighting, CCTV security system, solar capabilities, asphalt paving, steel parking canopies, masonry and cast-in-place walls, decorative art features, signage and striping, and landscaping. The construction procurement was hard bid and Entellus administered the contract throughout the project to protect the City's interests. Our diligence during the administration is displayed in the quality of the finished product and also the low percent of change order value to the total value of the project, which was less than 6.5% per the Engineer's recommendations on justifiable compensation. In today's ultra-competitive market, change order mitigation is crucial.					
(1) TITLE AND LOCATION <i>(City and State)</i> Deem Hills (Zone 5EA) Booster Pump Upgrades, AZ		(2) Year Completed			
		Professional Services 2012	Construction <i>(if applicable)</i> 2013		
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm			
4) Construction Manager. Entellus was retained for the phase II upgrade to the Deem Hills BPS (5EA-B1) to increase capacity, and operational flexibility. Phase II, will increase capacity from 3.7 MGD to 5.8 MGD and include the associated power and Instrumentation upgrades. Energy efficiency measures included: automatic monitor and control system upgrades, pump discharge throttling, high efficiency motors, pump system efficiency optimization, and others.					



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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> Southwest Zone 1 Transmission Main, City of Phoenix, AZ	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Phoenix	d. DOLLAR AMOUNT OF PROJECT \$610K	e. TOTAL COST OF PROJECT \$5M
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



WATERLINE DESIGN: The need for new Southwest Zone 1 Transmission Mains was identified as part of the Large Transmission Main Assessment Program to provide redundancy in the west portion of the City of Phoenix's service area. This project provides redundancy to an existing 48-inch water transmission main located in Indian School Road between 35th Avenue and 99th Avenue.

The project required new water transmission mains in two areas: Area 1 - Buckeye Road from 35th Avenue to 67th Avenue and Area 2 - the general area bounded by Camelback Road, Thomas Road, Loop 101 and 67th Avenue. Entellus evaluated potential corridors for the transmission main in Area 2 by developing preliminary drawings and evaluated each corridor on hydraulics, constructability, cost and schedule. Following the completion of the study phase, Entellus completed design on the selected alternative.

Entellus evaluated potential corridors for the transmission main in Area 2 by developing preliminary drawings and evaluated each corridor on hydraulics, constructability, cost, and schedule. After evaluation against the selection criteria, the Indian School Road corridor was recommended due to cost savings, reduced schedule and simpler traffic control. Additional hydraulic modeling indicated that a 12-inch water main should also be installed in 75th Avenue from Indian School Road to Camelback Road.

Following the completion of the study phase, Entellus moved forward with design of the selected alternative. The project has been split into two distinct projects: Indian School Road and 75th Avenue.



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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	
Flood Recovery Collective Report, Phoenix, AZ	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER	d. DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
City of Phoenix	\$29K	\$29K

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

The City of Phoenix retained Entellus to prepare a Flood Recovery Collective report. As part of this project, Entellus is currently collecting all the information on the efforts the City undertook to recover from the 2014 floods from different agencies and departments within the City. This includes two projects currently underway by the Flood Control District of Maricopa County (FCDMC), and other projects by Arizona Division of Emergency Management (ADEM), FEMA and various City departments and the efforts by Street and Transportation Departments, Floodplain, Emergency Services and Parks, among others.

The intent of this report is to document what happened, how the City and other agencies responded and what is needed to more efficiently and quickly respond and recover from future events. This report will include an educational brochure that outlines recovery activities that will be distributed to residents affected by future flooding and what the City, state and federal agencies are or will be doing to help them understand the complexities of the recovery efforts.



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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> Ocotillo Road, Arizona Avenue to McQueen Construction Management	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014-2015	CONSTRUCTION <i>(If applicable)</i> 2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER City of Chandler	d. DOLLAR AMOUNT OF PROJECT \$592K	e. TOTAL COST OF PROJECT \$5.5M
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



Entellus was contracted to provide Construction Management for this federally funded road improvement and bridge widening project between Arizona Avenue and McQueen Road. The first phase of this project was to widen the existing bridge spanning SRP's consolidated canal during the short dry-up period. Entellus provided construction administration, daily inspection and managed

the materials testing, labor compliance reporting and structural reviews and inspections on the project. The final phase was a constrained 2-lane road that included the Union Pacific Railroad (UPRR) crossing and the SRP Consolidated Canal crossing. The roadway was upgraded to a 4-lane phased arterial that included bike lanes, sidewalk, curb and gutter, street lighting, storm drain improvements, utilities, and landscaping.





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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> Germann Road Val Vista to 164th Street	b. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2014	CONSTRUCTION <i>(If applicable)</i> 2015

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER Town of Gilbert	d. DOLLAR AMOUNT OF PROJECT \$808K	e. TOTAL COST OF PROJECT \$7.1M
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f. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and length of project)



Improvements to Germann Road from Val Vista Drive to 164th Street to major arterial standards, consisting of: 3 travel lanes and a bicycle lane in each direction; raised, landscaped medians; storm drainage facilities; street lighting; and walls and fencing. The

improvements tie into existing improvements at the Val Vista and Greenfield intersections, as well as to existing half street improvements at two locations on Germann Road. In addition, the project includes installation of a 12-inch waterline along the south side of Germann Road. Other features include modification of signing and pavement marking beyond the project limits to accommodate the change in conditions, relocation of RWCD and private irrigation facilities, and coordination of utility facility relocations.



ATTACHMENT I – General Qualifications

**ANNUAL REQUEST FOR QUALIFICATIONS AND EXPERIENCE NO:
ADSP016-00005912**

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

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	
Engineering Standards Manual and MAG Supplements Update, Gilbert, AZ	PROFESSIONAL SERVICES 2015	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

c. PROJECT OWNER	d. DOLLAR AMOUNT OF PROJECT	e. TOTAL COST OF PROJECT
Town of Gilbert	\$150K	\$150K

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

Entellus was hired to complete a major update to the existing Town of Gilbert Public Works and Engineering Standards and Details. The initial task consisted of compiling a conglomeration of design standards, details and specifications from the Town of Gilbert and other surrounding municipalities, and developing three unique documents: Design Standards, Supplemental Information and Supplemental Details. The primary goal was to develop living, user-friendly, online documents to be accepted by the engineering and development community.

Entellus coordinated with and incorporated input from key stakeholders including designers, consultants, contractors, outside agencies and internal Gilbert departments. Entellus received over **600 comments** from the stakeholders involved. These suggestions and recommendations were incorporated into the documents where applicable. Entellus ensured that the document remained compatible with regional MAG documents and other Gilbert regulations, codes, forms, checklists and standards.

This project required attention to detail from all parties involved. A major challenge overcome was soliciting timely and suitable input from all stakeholders so that the documents would be acceptable to end users. It required an extensive knowledge of Microsoft Word's formatting and link capabilities needed to finalize a best in class web accessible document for the client. It also required a cost efficient approach to the construction of infrastructure, operation and maintenance.



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6. ADDITIONAL INFORMATION

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

ENTELLUS' TECHNICAL CAPABILITIES

Entellus has been serving the state of Arizona since 1985. Entellus is a Phoenix-based consulting engineering corporation with a professional staff of 50 engineers, hydrologists, surveyors, inspectors, GIS analysts, CAD and field technicians, and support staff, and has had successful working relationships with many clients in the public and private markets.

Entellus' goal is to provide services that are both cost-effective and timely through intelligent engineering and proactive engineering solutions. To achieve our goal, we offer a high level of reliability, technical excellence, and responsiveness. We are committed to working as a team with our clients to build valued long-term relationships.

Our engineering staff consists of highly specialized professionals who are capable of providing on-call services in the following areas:

Development Services - commercial and site development design; residential land development due diligence studies; master planned communities infrastructure services including master plans for water, sewer, and drainage; final design of arterial roadways, utility transmission mains, pump stations, reservoirs, detention basins; construction staking, parks; subdivision improvement plans and final plats; preliminary construction budgets, bidding, utility coordination, and construction management scheduling of subcontractors until final acceptance.

Transportation - location and route studies, design concept reports, highway and major and local street design, signing and striping plans, drainage analysis and design, utility infrastructure/relocation, right-of-way analysis and plans, legal descriptions and exhibits, construction management, value engineering, quality/constructability reviews, comprehensive project management, public involvement, agency coordination.

Water / Wastewater - water transmission main design, booster pump station design, water system appraisals, water and sewer master plans, sanitary sewer line design, public involvement programs, sewer lift station design, pipeline rehabilitation, agency coordination.

Water Resources - area drainage master plans, roadway drainage systems, detention/retention basins, FEMA floodplain delineation studies, scour analysis, water recharge, CLOMR/LOMR, ponding/backwater inundation analysis, drainage manuals, site development grading and drainage, dambreak analysis, channels/drop structures, storm drains/culverts, jurisdictional dam permitting/design GIS facility inventory.

Field Services (Survey) - control, boundary, ALTA and topographic surveying, construction staking and asbuilts, constructability/bidability/operability reviews, pre-bid assistance, quality assurance, pre-construction conferences, post-bid assistance, and construction inspection/observation/monitoring. Respond to contractor requests/plans interpretation, administer weekly meetings and distribute minutes, submittal review, and review asbuilt plans for accuracy/completeness.

Field Services (Construction Administration) - constructability reviews, construction sequencing plans, equipment yard and staging plans, reviews for plan/drawing accuracy and completeness, and preparation of quality assurance plans, in addition to observation of contractor activities for compliance with specifications and drawings. Other areas of service involve negotiations with contractor claims concerning matters of interpretation of plans and specifications, evaluating contractor claims for partial payment requests, time extensions, delays and other impacts. Project closeout services include final quantity audits, as-builts review and preparation, operation and maintenance manuals, project start-up, and conformance reports to meet client and county and state jurisdictional agency requirements.



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GIS Services - mapping, data collection and development, database creation, systems modeling and analysis, Infrastructure design and management, asset inventory, three dimensional graphic presentation, watershed analysis, custom geoprocessing tools, and other applications in existing engineering services areas.

Airport Services - studies and design, as well as construction administration of: runway overlays and expansions, new hangar construction, security fencing, access roadways, hangar and site development, taxiways, walkways and air cargo aprons, water and fire suppression systems, terminal remodeling, parking facilities, flood mitigation, drainage studies and master plans, lighting and instrument control system (PAPI).

Funding Assistance – Clean Water SRF Technical Assistance Grants and Loans, Drinking Water SRF Technical Assistance Grants & Loans, FTA-Public Transit Investment Grants, Surface Transportation Supplemental Grants, Watershed Rehabilitation Program, Public-Private Partnerships, Improvement Districts, Community Facilities Districts, Special Districts, Grant Writing.

Value Engineering - consulting services utilizing the application of Value Engineering (VE) methodology with the goal of improving value enhancing while minimizing costs. VE has a wide range of applications, including business processes, product design/manufacturing and construction projects.

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

a. Percentage of Total Work Attributable to State, Federal and Municipal Government Work:	85%
b. Percentage of Total Work Attributable to Non-Government Work:	15%

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

Signature: William A. Linck Date: 12/20/15

Name: William A. Linck, PE Title: Sr. Vice President