



Request for Qualifications
 Solicitation No.
ADSP018-00007887
 Description:
2018 Professional Services List

Arizona Department of
 Administration
State Procurement Office
 100 N 15th Ave., Suite 201
 Phoenix, AZ 85007

Offer Forms
(Attachments)
 Date: [January 8, 2018](#)

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Attachment 1
Offer and Acceptance Form

SUBMISSION OF OFFER: Undersigned hereby offers and agrees to provide qualifications for **2018 Annual Professional Services List** in compliance with the Solicitation indicated above and our Offer indicated by the latest dated version below:

Initial Offer:	1.	1/22*2018	WAL	
	date		initial	

Entellus, Inc

Offeror company name	3033 N. 44 th Street, Suite 250
Address	Phoenix, Arizona, 85018
City State ZIP	86-0529793
Federal tax identifier (EIN or SSN)	

	WAL
Signature of person authorized to sign Offer	Initials
Printed name and title	Bill Linck, Sr. Vice President
Contact name and title	Bill Linck, Sr. Vice President
Contact Email Address	linck@entellus.com
Contact phone number	(602) 244-2566

CERTIFICATION: By signature in the above, Offeror certifies that it:

- will not discriminate against any employee or applicant for employment in violation of Federal Executive Order 11246, [Arizona] State Executive Order 2009-9 or A.R.S. §§ 41-1461 through 1465;
- 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 will result in rejection of the Offer. Signing the Offer with a false statement will void the Offer, any resulting contract, and may be subject to legal penalties under law;
- complies with A.R.S. § 41-3532 when offering electronics or information technology products, services, or maintenance; and
- is not debarred from, or otherwise prohibited from participating in any contract awarded by federal, state, or local government.

ACCEPTANCE OF OFFER: State hereby **accepts the initial Offer**, Revised Offer, or Best and Final Offer identified by number **ADSP018-00007887** at the top of this form, and which was dated 1/22/18 (the Accepted Offer). Offeror is now bound (as Contractor) to carry out the Work under the attached Contract, of which the Accepted Offer forms a part. Contractor is cautioned not to commence any billable work or to provide any material or perform any service under the Contract until Contractor receives the applicable Order or written notice to proceed from Procurement Officer.

State's Contract No. is: **ADSP018-00007887** The effective date of the Contract: 1/30/18-1/30/19 Contract awarded: 1/30/18

	Sean Wulfekuhle
Procurement Officer signature	Procurement Officer printed name

Contract qualification award can be viewed at <https://spo.az.gov/procurement-services/professional-services>



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Attachment 2-A
Experience and Capacity

STATE MAY DETERMINE YOUR SUBMITTAL IS NON-RESPONSIVE IF YOU DO NOT ANSWER ALL QUESTIONS FULLY.

DEFINITIONS

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.

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

Parent Company. Identify controlling company name in this field if the Firm is owned or controlled by another company.

Structure: How a business is organized to accomplish its objectives (ie, Sole Proprietor, Limited Liability Company, Cooperative, Corporation, Partnership, S Corporation). [See chart below for example:](#)

Entity Type	Structure
Corporation	S Corporation or C Corporation, or Professional Corporation
Cooperative	Cooperative
Partnership	General Partnership, Limited Partnership, Limited Liability Partnership, Limited Liability Limited Partnership
Sole Proprietor	Sole Proprietor
Limited Liability Company	Limited Liability Company or Professional Limited Liability Company

1.0 Five (5) Example Projects

List no more than five (5) example projects which best illustrate firm’s qualification for this contract [in the chart provided below](#). Select projects where multiple team members worked together, if possible, that demonstrate the team’s capability to perform work similar to that required for this qualifications list contract. [\(NOTE: The integrity of the chart table columns shall remain unchanged, however the rows for each project may be expanded by the Offeror to accommodate the information\).](#)

- 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.



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Title and Location of Project	Design Completion Year	Construction Completion Year	Project Owner	Project Original Budget (or not to exceed amount)	Total Cost of the Project	Brief Description of Project
CAP Raw Water Pipeline Design and Roadway Improvements, Mesa, AZ	2017	2017	City of Mesa	\$785K	\$785K	The City of Mesa has seen an increase in residential, commercial, and industrial development, particularly in its southeast limits. This added growth has led to an increased demand for water resources. As a result, the City designed the new Signal Butte Water Treatment Plant (WTP) to meet these emerging demands. As part of this project, our team designed a 54-inch gravity raw water pipeline from the existing turnout structure at the Central Arizona Project (CAP) canal and the Elliot Road alignment to the WTP. To complete the pipeline and prevent future disturbance, we also designed the north half-street improvements of Elliot Road from Signal Butte Road to Mountain Road. The roadway was designed to three through lanes in each direction, bike lanes, a raised median, curb, gutter, sidewalk, street lights, signing, striping, landscaping and irrigation. The design included landscape and hardscape aesthetic improvements on the north side of Elliot Road along the WTP for a future park site.
67th Avenue and Pinnacle Peak Drainage Study, Peoria, AZ	TBD		City of Peoria	\$216K	TBD	Entellus performed a two-fold drainage study in a historically flood-prone area. We identified local solutions that could be designed quickly and inexpensively to improve the flooding situation throughout the project area. We also developed long-term regional drainage solutions to mitigate a 100-year flood event.



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<p>Layton Lakes Force Main Rehabilitation and Replacement, Gilbert, AZ</p>	<p align="center">2016</p>		<p align="center">Town of Gilbert</p>	<p align="center">\$400K</p>	<p align="center">\$400K</p>	<p>Entellus conducted a feasibility study and final design for the rehabilitation and the reconstruction of the Layton Lakes dual Force Mains (14" & 18" concrete-lined DIP) which convey flows from the Layton Lakes Lift Station to the Mesa Gilbert South Water Reclamation Plant over approximately 13,500 linear feet. The results from this study led to the recommendation of a combination of replacement (approximately 1,466 linear feet) and rehabilitation (approximately 10,643 linear feet) approximately 2.3 miles. The project is currently under construction and Entellus is providing construction administration.</p>
<p>Camino Rio Road Improvements, Pinal County</p>	<p align="center">2017</p>	<p align="center">2017</p>	<p align="center">Pinal County</p>	<p align="center">\$253K</p>	<p align="center">\$29K</p>	<p>Entellus completed design of approximately 10-miles of roadway/pavement improvements. The roadway was primarily used by ASARCO. The roadway was a graded dirt road which followed the existing topography. The purpose of this project was to help mitigate the dust control issues that were present due to traffic traveling this road. The paved cross section was anticipated to generally be 26-foot wide with a normal crown. There were areas where the pavement width was modified to avoid impacts with utilities (overhead electric or water), drainage ways or other features to minimize costs and disruptions.</p>
<p>32nd Street Roadway and Multi-Use Path</p>	<p align="center">2017</p>		<p align="center">City of Phoenix</p>	<p align="center">\$188K</p>	<p align="center">\$405K (Contract Modification to go from study to final design)</p>	<p>Entellus developed a Design Concept Report (DCR) and completed final design plans for 32nd Street from Broadway Road to Southern Avenue. The purpose was to provide connectivity from South Mountain Park to the Rio Salado path near the Salt River as part of the City's trail system. This project initially</p>



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						<p>was limited to half-street roadway improvements to include bike lanes and a 10-foot multi-use trail during the DCR phase. Final design included ultimate street improvements designed for five lanes with curb, gutter, sidewalks, ADA upgrades, drainage improvements, street light and traffic signal improvements in addition to bike lanes and 10-foot multi-use trail. Entellus assisted the City in extensive right-of-way and utility coordination including SRP Irrigation and Electric relocations. Additionally, environmental evaluation was included in the DCR and coordination of archaeological monitoring during construction was completed. Project is currently under construction.</p>
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Attachment 2-A
Experience and Capacity

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2.0 EMPLOYEES BY DISCIPLINE

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

Enter requested information in the chart provided below:

- a. Select disciplines from the List of Disciplines. For employees that do not qualify for any of the disciplines, select "Other".
- 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. (NOTE: The Offeror may insert or delete rows in the existing Employees by Discipline chart table on page six (6) as necessary to complete the requirements for Question 2).



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EXAMPLE:

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees Firm	d. No. of Employees Branch
Example: Architect	P	138	50-Yuma Branch 50-Tempe Branch 38 – Phoenix Branch
Example: Architect	S	20	5-Yuma Branch 5-Tempe Branch 5 – Phoenix Branch 5- Tucson Branch

a. Discipline Title	b. Function: Primary (P) or Secondary (S)	c. No. of Employees Firm	d. No. of Employees Branch
CADD Technician	P	6	N/A
CADD Technician	S	2	N/A
Civil Engineer	P	12	N/A
Construction Manager	P	2	N/A
Construction Inspector	P	1	N/A
Cost Engineer/Estimator	S	2	N/A
Geographic Information System Specialist	P	1	N/A
Sanitary Engineer	S	5	N/A
Survey RLS	P	2	N/A
Survey Technicians	P	6	N/A
Technician/Analyst	P	5	N/A
Transportation Engineer	S	4	N/A
Water Resources Engineer	S	3	N/A
Total		49	



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3.0 FIRMS EXPERIENCE AND REVENUE

- a. Firm shall complete the document titled "Project Experience Number of Projects and Revenue", using same document title and upload in .pdf format only as an "Attachment" with firm's offer in ProcureAZ.

4.0 FIRMS SERVICES

- a. Firm shall complete the Excel spreadsheet titled "**2018 Professional Services List of Firms Services**" using same document title and uploaded in Excel format only as an "Attachment" with firm's offer in ProcureAZ.



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5.0 EXPERIENCE REFERENCES:

THE PRIME FIRM SHALL LIST A TOTAL OF THREE (3) CLIENT REFERENCES FOR ANY PROJECTS COMPLETED IN THE LAST YEAR BY THE FIRM (OR A BRANCH LOCATION). REFERENCES MAY BE CONTACTED BY ANY ELIGIBLE AGENCY.

1	Client Company/Address	Contact	Begin Date	End Date
	City of Peoria / 9875 N. 85th Avenue, Peoria, AZ 85345	Dan Nissen	08/2016	TBD
	Phone Number	Email Address		
	(623) 773-7214	dan.nissen@peoriaaz.gov		
<p>List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities (What were the uses, facilities, or activities that were built. For example; lift station, parking lot, bridge, playground, sewerage treatment plant, storm drainage, etc.).</p> <p>6th Avenue and Pinnacle Peak Drainage Study, Peoria, AZ Original/Final Design Fee: \$487K / TBD Construction Costs: N/A Program Facilities: Analysis of flooding to prevent and minimize future flood damage in the area.</p> <p>Services performed similar to those described in Solicitation Cost Estimating, Infrastructure, Drainage, Land Survey, Storm Water Handling, and Water Resources.</p>				
2	Client Company/Address	Contact	Begin Date	End Date
	Town of Gilbert / 90 East Civic Center Drive, Gilbert, AZ 85296	Ken Snow	10/2016	10/2016
	Phone Number	Email Address		
	(480) 503-6937	ken.snow@gilbertaz.gov		
<p>List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities (What were the uses, facilities, or activities that were built. For example; lift station, parking lot, bridge, playground, sewerage treatment plant, storm drainage, etc.).</p> <p>Layton Lakes Force Main Rehabilitation and Replacement, Gilbert, AZ Original/Final Design Fee: \$400K / \$400K Construction Costs: \$5.7M Program Facilities: Design of a combination of replacement (approximately 1,466 linear feet) and rehabilitation (approximately 10,643 linear feet) approximately 2.3 miles.</p> <p>Services performed similar to those described in Solicitation Construction Management, Infrastructure, Land Survey, Sewage Collection, and Specifications.</p>				

PART 4 of the Solicitation Documents:
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3	Client Company/Address	Contact	Begin Date	End Date
	City of Phoenix / 1034 East Madison Street, Phoenix, AZ 85034	Gail Brinkmann	01/2013	07/2016
	Phone Number	Email Address		
	(602) 495-2073	gail.brinkmann@phoenix.gov		
<p>List project name, project location, original design fee, final design fee, construction costs (if applicable), and program facilities (What were the uses, facilities, or activities that were built. For example; lift station, parking lot, bridge, playground, sewerage treatment plant, storm drainage, etc.).</p> <p>32nd Street Roadway and Multi-Use Path, Phoenix, AZ Original/Final Design Fee: \$188K/\$548K Construction Costs: \$3M Program Facilities: Design Concept Report (DCR), final design plans for ultimate street improvements designed for five lanes with curb, gutter, sidewalks, ADA upgrades, drainage improvements, street lighting and traffic signals in addition to bike lanes and 10-foot multi-use trail.</p> <p>Services performed similar to those described in Solicitation Cost Estimating, Streets, Infrastructure, Land Surveying, Storm Water Handling, Specifications, Transportation, and Water Resources.</p>				

End of Attachment 2-A

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Attachment 2-B
Organization Profile

STATE MAY DETERMINE YOUR PROPOSAL IS NON-RESPONSIVE IF YOU DO NOT ANSWER ALL QUESTIONS FULLY.

ORGANIZATION PROFILE

The firm shall complete a separate Organizational Profile document for each branch office.

Firm Name	Entellus, Inc.		Year established	1985
Principal address (street, city, state)	3033 North 44 th Street, Suite 250, Phoenix, AZ 885018			
Entity type:	Corporation	Structure:	C-Corporation	
Branch or Division:	N/A	Parent Company:	N/A	
Years the organization has conducted business in Arizona.				32
Contract Representatives to Contact				
	Name	Title	Telephone Number	E-Mail Address
1.	Timothy D. Crall	President	(602) 889-4454	tcrall@entellus.com
2.	Bill Linck	Sr. Vice President	(602) 889-4449	linck@entellus.com
Firm Professional Registration and Certifications (INCLUDE COPY OF DOCUMENT IN OFFER)				
	Description	Issuer	Number	Expiration
1.	Arizona Board of Technical Registration	State of Arizona	10578-0	6/30/2018
2.	Transaction Privilege Tax License	Arizona Department of Revenue	07461969	12/31/2018
3.	Small Business Concern	AZ UTRACS	10344	7/13/2019
4.	Certificate of Good Standing	Office of the Corporation Commission	N/A	N/A

ATTACHMENT 2-B SUPPLEMENTS:

(For submission of additional Organizational Profile qualifications beyond the number of forms provided in the Offer Documents: Offeror shall copy the Organizational Profile form in its entirety and complete in a separate Document for submission with the offer or type "None" on first line if not applicable. Offeror shall title Supplement(s) with the same beginning title as named herein, number sequentially in accordance with the number of Organizational Profile forms submitting and upload with offer.)

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Title	Document Date	No. of pages	Purpose in Offer
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(NOTE: The Offeror may insert additional rows as required).

End of Attachment 2-B



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Attachment 3-A
Method Proposal
(Method of Approach)

RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST

End of Attachment 3-A

PART 4 of the Solicitation Documents:
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Attachment 3-B
Key Personnel Proposal

Answer all questions thoroughly in the spaces provided. **Complete this form in full for each one of the key personnel who will participate in this contract.** Insert or attach a separate resume if desired, but any attached resumes are supplemental to this form and **do not substitute resumes for this form.** Offeror shall list any resume filename within the Key Personnel Form resume section **and Attach as titled and submit with firm's offer in ProcureAZ. Resumes shall not be listed in Attachment 3-B as Supplements.**

1	Name:	Timothy D. Crall	How long with company?	14 years
	Current position in company:	President / Principal	How long in position?	10 %
	Position for the Services:	Project Principal	How much of time will be dedicated to the Services?	10 %
	What primary functions will be assigned?	Contractual matters, resource commitment, budget/schedule review, and QA/QC.		
	Describe person's experience in performing services like those that are to be assigned:	<p>Westwind Preparatory School, Phoenix, AZ Project Principal: 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.</p> <p>Eastmark, City of Mesa, AZ 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 fast-track schedule and were customized to meet the preferences of the seven builders that purchased the land. 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.</p> <p>Stormwater Infrastructure Evaluation, Phoenix, AZ Project Principal: Entellus reviewed drainage reports and as-builts drawings for four subdivision developments to provide a clear understanding of their current infrastructure conditions and how they functioned during storm events. Entellus documented the damage from the 2014 storms and looked for ways to prevent and minimize future flood damage in the area.</p>		



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List person's job-related
training and education:

Professional Registrations/Certifications

- Arizona Civil Engineer #22861
- California Civil Engineer #45598
- Nevada Civil Engineer #11632
- New Mexico Civil Engineer #12898
- Program Committee
- Urban Land Institute (ULI)
- Valley Partnership

Education

- Bachelor of Science Civil Engineering, Tri-State University, Angola, Indiana

Resume: [Tim Crall Resume](#)



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2	Name:	Bill Linck	How long with company?	20 years
	Current position in company:	Sr. Vice President /Principal	How long in position?	4 years
	Position for the Services:	Principal/Project Manager	How much of time will be dedicated to the Services?	20 %
	What primary functions will be assigned?	Contractual matters, resource commitment, budget/schedule review, QA/QC, project management, client and stakeholder coordination, plan development and report oversight.		
	Describe person's experience in performing services like those that are to be assigned:	<p>CAP Raw Water Pipeline and Roadway Design, Mesa, AZ Project Principal: The City of Mesa has seen an increase in residential, commercial and industrial development, particularly in its southeast limits. This added growth has led to an increased demand for water resources. As a result, the City designed the new Signal Butte Water Treatment Plant (WTP) to meet these emerging demands. As part of this project, Entellus designed a 54-inch gravity raw water pipeline from the existing turnout structure at the Central Arizona Project (CAP) canal and the Elliot Road alignment to the WTP. To complete the pipeline and prevent future disturbance, Entellus also designed the north half street improvements of Elliot Road from Signal Butte Road to Mountain Road. The roadway was designed to three through lanes in each direction, bike lanes, a raised median, curb, gutter, sidewalk, street lights, signing, striping, landscaping and irrigation.</p> <p>West Anthem Water and Sewer Infrastructure, Phoenix, AZ Project Manager: The City of Phoenix currently provides water and wastewater service to the West Anthem area through a service agreement with EPCOR. Entellus was retained by the City to evaluate necessary upgrades to the existing Booster Pump Station (BPS) which would enable it to provide water to various pressure zones within the community. A significant efficiency analysis was included in the design which resulted in cost savings of more than \$1M in electrical upgrades.</p> <p>32nd Street Roadway and Multi-Use Path, City of Phoenix, AZ Project Manager: Developed a Design Concept Report (DCR) and then complete final design plans for 32nd Street from Broadway Road to Southern Avenue. The project purpose was to provide connectivity from South Mountain Park to the Rio Salado path near the Salt River as part of the City's trail system. This project initially was limited to half street roadway improvements to include bike lanes and a 10-foot multi-use trail during the DCR phase. Final design included ultimate street improvements designed for five lanes with curb, gutter, sidewalks, ADA upgrades, drainage improvements, street light and traffic signal improvements in addition to bike lanes and 10-foot multi-use trail. Entellus assisted the City in extensive right-of-way and utility coordination including SRP Irrigation and SRP Electric relocations. Additionally, environmental evaluation was included in the DCR and coordination of archaeological monitoring during construction. Project is currently under construction.</p>		



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<p>List person's job-related training and education:</p>	<p>Professional Registrations/Certifications</p> <ul style="list-style-type: none"> ▪ Registered AZ #20321 Civil Engineer ▪ American Council ACEC Leadership in Engineering Administration Program (LEAP) ▪ OSHA 40-hour Hazardous Waste Site Operations Training <p>Education</p> <ul style="list-style-type: none"> ▪ Bachelor of Science Civil Engineering, Marquette University, Milwaukee, Wisconsin
<p>Resume:</p>	<p>Bill Linck Resume</p>



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3	Name:	Alberto Gonzalez	How long with company?	15 years
	Current position in company:	Project Manager/Project Engineer	How long in position?	4 years
	Position for the Services:	Project Manager/Project Engineer	How much of time will be dedicated to the Services?	30 %
	What primary functions will be assigned?	Project management, client and stakeholder coordination, plan development and report oversight.		
	Describe person's experience in performing services like those that are to be assigned:	<p>Camino Rio Road Improvements, Pinal County, AZ Project Manager: Entellus was retained to complete design of approximately 10 miles of roadway/pavement improvements. The roadway was located west of Winkelman in the eastern portion of Pinal County and is primarily used by ASARCO. The roadway was a graded, dirt road which followed the existing topography. The purpose of this project was to help mitigate the dust control issues that were present due to traffic traveling this road. The paved cross section was anticipated to be generally be 26-foot wide with a normal crown. There were areas where the pavement width was modified to avoid impacts with utilities (overhead electric or water), drainage ways or other features to minimize costs and disruptions.</p> <p>CAP Raw Water Pipeline Design Roadway Design, Phoenix, AZ Project Engineer: The City of Mesa has seen an increase in residential, commercial and industrial development, particularly in its southeast limits. This added growth has led to an increased demand for water resources. As a result, the City designed the new Signal Butte Water Treatment Plant (WTP) to meet these emerging demands. As part of this project, Entellus designed a 54-inch gravity raw water pipeline from the existing turnout structure at the Central Arizona Project (CAP) canal and the Elliot Road alignment to the WTP. To complete the pipeline and prevent future disturbance, Entellus also designed the north half street improvements of Elliot Road from Signal Butte Road to Mountain Road. The roadway was designed to three through lanes in each direction, bike lanes, a raised median, curb, gutter, sidewalk, street lights, signing, striping, landscaping and irrigation. The design included landscape and hardscape aesthetic improvements on the north side of Elliot Road along the WTP for a future park site.</p> <p>Val Vista Water Transmission Main Phase 3, Mesa, AZ Project Engineer: Designed a 48-inch transmission water main and 12-inch and 16-inch well delivery lines, 30,000 gallon surge tank and special valving and improvements to City Well Sites 25 and 27.</p>		



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<p>List person's job-related training and education:</p>	<p>Professional Registrations/Certifications</p> <ul style="list-style-type: none"> ▪ Arizona Civil Engineer #49432 ▪ ACEC Leadership in Engineering Administration Program (LEAP) <p>Education</p> <ul style="list-style-type: none"> ▪ Bachelor of Science Civil Engineering, Arizona State University, Tempe, Arizona
<p>Resume:</p>	<p>Alberto Gonzalez Resume</p>



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4	Name:	Breanna Connolly	How long with company?	10 years
	Current position in company:	Project Manager/Project Engineer	How long in position?	10 years
	Position for the Services:	Project Manager/Project Engineer	How much of time will be dedicated to the Services?	30%
	What primary functions will be assigned?	Project management, client coordination, stakeholder coordination, plan development and report oversight.		
	Describe person's experience in performing services like those that are to be assigned:	<p>32nd Street Roadway and Multi-Use Path, City of Phoenix, AZ Project Engineer: Developed a Design Concept Report (DCR) and then completed final design plans for 32nd Street from Broadway Road to Southern Avenue. The project purpose was to provide connectivity from South Mountain Park to the Rio Salado path near the Salt River as part of the City's trail system. This project initially was limited to half street roadway improvements to include bike lanes and a 10-foot multi-use trail during the DCR phase. Final design included ultimate street improvements designed for five lanes with curb, gutter, sidewalks, ADA upgrades, drainage improvements, street light and traffic signal improvements in addition to bike lanes and 10 foot multi-use trail. Entellus assisted the City in extensive right-of-way and utility coordination including SRP Irrigation and Electric relocations. Additionally, environmental evaluation was included in the DCR and coordination of archaeological monitoring during construction. Project is currently under construction.</p> <p>Val Vista Main Transmission, Mesa, AZ Project Engineer: Designed a 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.</p> <p>Water Main Replacement Program, Phoenix, AZ Project Manager: Entellus has provided design for the replacement of water mains and relocation of water services in various streets as part of the City of Phoenix Water Main Replacement Program since 2001. This has included approximately 30 projects with more than 350,000 linear feet of new 4-inch, 6-inch, 8-inch and 12-inch water main. Over 6,000 water service/meter installations and relocations were designed by our team as part of this program. These designs included appropriate valve spacing for operation and maintenance flexibility and installation of fire hydrants, providing fire protection with minimal impacts to residents and properties.</p>		



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List person's job-related
training and education:

Professional Registrations/Certifications

- Registered Civil Engineer, AZ #52606

Education

- Bachelor of Science Civil Engineer, University of Arizona, Tucson, Arizona

Resume:

Breanna Connolly Resume



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5	Name:	Martin Weeden	How long with company?	3 years
	Current position in company:	Project Manager/Project Engineer	How long in position?	3 years
	Position for the Services:	Project Manager/Project Engineer	How much of time will be dedicated to the Services?	25%
	What primary functions will be assigned?	Project management, client and stakeholder coordination, plan development and report oversight.		
	Describe person's experience in performing services like those that are to be assigned:	<p>Layton Lakes FM Rehabilitation and Replacement, Gilbert, AZ Project Manager: Entellus conducted a feasibility study and final design for the rehabilitation and the reconstruction of the Layton Lakes dual Force Mains (14" & 18" concrete-lined DIP) which convey flows from the Layton Lakes Lift Station to the Mesa Gilbert South Water Reclamation Plant over approximately 13,500 linear feet. The results from this study led to the recommendation of a combination of replacement (approximately 1,466 linear feet) approximately 2.3 miles. The project is currently under construction and Entellus is providing construction administration.</p> <p>Val Vista Transmission Main, Mesa, AZ Project Engineer: Designed a 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.</p> <p>Reservoir Assessments and Rehabilitation Design, City of Phoenix, AZ Project Manager: Performed full site and reservoir condition assessments for Deem Hills (15MG), Happy Valley (5MG), and 64th St. #1 (20MG) for the City of Phoenix. This 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. Major tasks included careful coordination, performing float down inspections, leak tests, generating detailed MOPOs, developing assessment reports and rehabilitation plans and specs.</p>		

	<p align="center"> Request for Qualifications Solicitation No. ADSP018-00007887 Description: 2018 Professional Services List </p>	<p align="center"> Arizona Department of Administration State Procurement Office 100 N 15th Ave., Suite 201 Phoenix, AZ 85007 </p>
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<p>List person's job-related training and education:</p>	<p>Professional Registrations</p> <ul style="list-style-type: none"> ▪ Registered Civil Engineer, AZ #51372 <p>Education</p> <ul style="list-style-type: none"> ▪ Bachelor of Science in Civil/Environmental Engineering, Arizona State University, Tempe, Arizona ▪ Master of Science in Environmental Engineering, Arizona State University, Tempe, Arizona
<p>Resume:</p>	<p>Martin Weeden Resume</p>



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6	Name:	Hernan Aristizabal	How long with company?	24 years
	Current position in company:	Project Manager/Project Engineer	How long in position?	24 years
	Position for the Services:	Project Manager/Project Engineer	How much of time will be dedicated to the Services?	25 %
	What primary functions will be assigned?	Project management, client and, stakeholder coordination, plan development and report oversight.		
	Describe person's experience in performing services like those that are to be assigned:	<p>East Mesa Area Drainage Master Plan (ADMP) Update, Flood Control District of Maricopa County Project Manager: The 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.</p> <p>Stormwater Infrastructure Evaluation, Phoenix, AZ Project Engineer: Entellus reviewed drainage reports and as-builts drawings for four subdivision developments to provide a clear understanding of their current infrastructure conditions and how they functioned during storm events. Entellus documented the damage from the 2014 storms and looked for ways to prevent or minimize future flood damage in the area.</p> <p>Eloy Industrial Park On-call, Pinal County, AZ Project Manager: 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 included performing 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.</p> <p>67th Avenue and Pinnacle Peak Drainage Study, Peoria, AZ Technical Advisor: Entellus performed a two-fold drainage study in a historically flood-prone area. We identified local solutions that could be designed quickly and inexpensively to help improve the flooding situation throughout the project area. We also developed long-term regional drainage solutions to mitigate a 100-year flood event.</p>		



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<p>List person's job-related training and education:</p>	<p>Professional Registrations/Certifications</p> <ul style="list-style-type: none"> ▪ Registered Civil Engineer, AZ #29373 ▪ Registered Civil Engineer, UT #177010-2202 ▪ Certified Floodplain Manager, #US-04-01298 <p>Education</p> <ul style="list-style-type: none"> ▪ Bachelor of Science Agricultural and Irrigation Engineering, Utah State University, Logan, Utah ▪ Masters of Civil and Environmental Engineering, Utah State University, Logan, Utah
<p>Resume:</p>	<p>Hernan Aristizabal Resume</p>



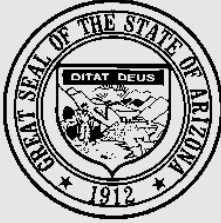
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7	Name:	Ryan Sauer	How long with company?	16 years
	Current position in company:	Project Manager/Project Engineer	How long in position?	13 years
	Position for the Services:	Project Manager/Project Engineer	How much of time will be dedicated to the Services?	30 %
	What primary functions will be assigned?	Design development, drainage analysis, calculations, cost estimating, and specifications.		
	Describe person's experience in performing services like those that are to be assigned:	<p>East Mesa Area Drainage Master Plan (ADMP) Update, Flood Control District of Maricopa County Project Engineer: The 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.</p> <p>Stormwater Infrastructure Evaluation, Phoenix, AZ Project Engineer: Entellus reviewed drainage reports and as-builts drawings for four subdivision developments to provide a clear understanding of their current infrastructure conditions and how they functioned during storm events. Entellus documented the damage from the 2014 storms and looked for ways to prevent or minimize future flood damage in the area.</p> <p>Eloy Industrial Park On-call, Pinal County, AZ 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.</p> <p>67th Avenue and Pinnacle Peak Drainage Study, Peoria, AZ Project Manager: Entellus performed a two-fold drainage study in a historically flood-prone area. We identified local solutions that could be designed quickly and inexpensively to help improve the flooding situation throughout the project area. We also developed long-term regional drainage solutions to mitigate a 100-year flood event.</p>		

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<p>List person's job-related training and education:</p>	<p>Professional Registrations</p> <ul style="list-style-type: none"> ▪ Registered Civil Engineer, AZ #46866 ▪ Registered Civil Engineer, UT #9576293-2202 ▪ Certified Floodplain Manager #US-05-01709 <p>Education</p> <ul style="list-style-type: none"> ▪ Bachelor of Science Civil Engineering, Arizona State University, Tempe, Arizona ▪ Masters of Science, Civil & Environmental Engineering, Arizona State University, Tempe, Arizona
<p>Resume:</p>	<p>Ryan Sauer Resume</p>



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8	Name:	Chris Christensen	How long with company?	16 years
	Current position in company:	GIS Manager	How long in position?	16 years
	Position for the Services:	GIS Services	How much of time will be dedicated to the Services?	20 %
	What primary functions will be assigned?	GIS planning and design analysis.		
	Describe person's experience in performing services like those that are to be assigned:	<p>East Mesa Area Drainage Master Plan (ADMP) Update, Flood Control District of Maricopa County GIS 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.</p> <p>Stormwater Infrastructure Evaluation, Phoenix, AZ GIS Manager: Entellus reviewed drainage reports and as-builts drawings for four subdivision developments to provide a clear understanding of their current infrastructure conditions and how they functioned during storm events. Entellus documented the damage from the 2014 storms and looked for ways to prevent or minimize future flood damage in the area.</p> <p>Eloy Industrial Park On-call, Pinal County, AZ GIS Manager: 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.</p> <p>67th Avenue and Pinnacle Peak Drainage Study, Peoria, AZ GIS Manager: Performed a two-fold drainage study in a historically flood-prone area. We identified local solutions that could be designed quickly and inexpensively to help improve the flooding situation throughout the project area. We also developed long-term regional drainage solutions to mitigate a 100-year flood event.</p>		

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List person's job-related training and education:	<p> Bachelor of Science Computer Visualization Technology, ITT, Arizona Masters of Science Geographic Information Systems, Arizona State University, Tempe, Arizona </p>
Resume:	Chris Christensen Resume

ATTACHMENT 3-B SUPPLEMENTS:

(For submission of additional Key Personnel qualifications beyond the number of forms provided in the Offer Documents: Offeror shall copy the Key Personnel Form in its entirety and complete in a separate Word Document for submission with the offer, and list file name below or type "None" on first line if not applicable. Offeror shall title Supplement(s) with the same title as named herein and upload with offer.).

	Title	Document Date	No. of pages	Purpose in Offer
1.	Additional Key Personnel	1/22/2018	14	Submission of additional Key Personnel qualifications
2.	Enter or delete row if not needed			
3.	Enter or delete row if not needed			

(NOTE: The Offeror may insert additional rows as required).

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End of Attachment 3-B

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Attachment 3-C
Proposed Subcontractors

RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST

Check "NO" if you WILL NOT subcontract any portion of the Work and will therefore be carrying out all of the Work with your own personnel.

NO, the Offeror will not subcontract any portion of the Work.

If you WILL subcontract any portion of the Work, check "YES" below and list name of persons or companies you propose to use as subconsultants.

1. Fill in the information in the chart below for every proposed subcontractor – indicate the role and services work the subconsultant may provide in performing any of the services as outlined in the Requirements Document in the solicitation.
2. Offeror shall complete an Attachment 3-B Key Personnel Form in its entirety for each proposed subcontractor and submit with offer. The term "Subconsultant" shall be annotated in parenthesis after each subcontractor key personnel name typed in the "Name" section of the 3-B form.
3. State may demand additional information about proposed subcontractors as a precondition of award.

YES, the Offeror will use the Subcontractors listed below:

	Subcontractor Key Personnel Name; Subcontractor Firm Name and Contact Information	List Proposed Subcontractor Role(s) and Services	Capacity % Dedicated to Perform the Proposed Role/Service For Any Project Under This Contract
1.	Name		
2.	Name		
3.	Name		
4.	Name		
5.	Name		
6.	Name		
7.	Name		
8.	Name		
9.	Name		
10.	Name		



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ATTACHMENT 3-C SUPPLEMENTS:

(Offeror to insert as required and list here or type "None" on first line. Offeror shall title any Supplement(s) with the same title as named herein and upload with offer.)

	Title	Document Date	No. of pages	Purpose in Offer
1.	Enter or type "None for Sub #1"	x	x	x
2.	Enter or type "None for Sub #2"	x	x	x
3.	Enter or type "None for Sub #3"	x	x	x
4.	Enter or type "None for Sub #4"	x	x	x
5.	Enter or type "None for Sub #5"	x	x	x
6.	Enter or type "None for Sub #6"	x	x	x
7.	Enter or type "None for Sub #7"	x	x	x
8.	Enter or type "None for Sub #8"	x	x	x
9.	Enter or type "None for Sub #9"	x	x	x
10.	Enter or type "None for Sub #10"	x	x	x

End of Attachment 3-C

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Attachment 3-D
Performance Guarantee

RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST

End of Attachment 3-D

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Attachment 3-E Israel Boycott Form

All materials submitted as part of a response to a solicitation are subject to Arizona public records law and will be disclosed if there is an appropriate public records request at the time of or after the award of the contract. Recently legislation has been enacted to prohibit the state from contracting with companies currently engaged in a boycott of Israel. To ensure compliance with A.R.S. §35-393.01. This form must be completed and returned with the response to the solicitation and any supporting information to assist the State in making its determination of compliance.

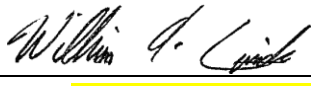
As defined by A.R.S. §35-393.01:

1. "Boycott" means engaging in a refusal to deal, terminating business activities or performing other actions that are intended to limit commercial relations with Israel or with persons or entities doing business in Israel or in territories controlled by Israel, if those actions are taken either:
 - (a) In compliance with or adherence to calls for a boycott of Israel other than those boycotts to which 50 United States Code section 4607(c) applies.
 - (b) In a manner that discriminates on the basis of nationality, national origin or religion and that is not based on a valid business reason.
2. "Company" means a sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, limited liability company or other entity or business association, and includes a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate.
3. "Direct holdings" means all publicly traded securities of a company that are held directly by the state treasurer or a retirement system in an actively managed account or fund in which the retirement system owns all shares or interests.
4. "Indirect holdings" means all securities of a company that are held in an account or fund, including a mutual fund, that is managed by one or more persons who are not employed by the state treasurer or a retirement system, if the state treasurer or retirement system owns shares or interests either:
 - (a) together with other investors that are not subject to this section.
 - (b) that are held in an index fund.
5. "Public entity" means this State, a political subdivision of this STATE or an agency, board, commission or department of this state or a political subdivision of this state.
6. "Public fund" means the state treasurer or a retirement system.
7. "Restricted companies" means companies that boycott Israel.
8. "Retirement system" means a retirement plan or system that is established by or pursuant to title 38.

All offerors must select one of the following:

- My company **does not** participate in, and agrees not to participate in during the term of the contract a boycott of Israel in accordance with A.R.S. §35-393.01. I understand that my entire response will become public record in accordance with A.A.C. R2-7-C317.
- My company **does** participate in a boycott of Israel as defined by A.R.S. §35-393.01. :

By submitting this response, proposer agrees to indemnify and hold the State, its agents and employees, harmless from any claims or causes of action relating to the State's action based upon reliance on the above representations, including the payment of all costs and attorney fees incurred by the State in defending such an action.

Entellus, Inc. <hr/> <div style="text-align: center;">Company Name</div> <hr/> 3033 North 44 th Street, Suite 250 <hr/> <div style="text-align: center;">Address</div> <hr/> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Phoenix</td> <td style="width: 33%;">Arizona</td> <td style="width: 33%;">85018</td> </tr> <tr> <td>City</td> <td>State</td> <td>Zip</td> </tr> </table>	Phoenix	Arizona	85018	City	State	Zip	 <hr/> <div style="text-align: center; background-color: yellow;">Signature of Person Authorized to Sign</div> <hr/> Bill Linck <hr/> <div style="text-align: center;">Printed Name</div> <hr/> Sr. Vice President <hr/> <div style="text-align: center;">Title</div>
Phoenix	Arizona	85018					
City	State	Zip					

End of Attachment 3-E

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Attachment 4
Pricing Sheet

RESERVED FOR AWARDED DESIGN PROFESSIONAL SERVICE ORDER CONTRACT

End of Attachment 4

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Attachment 5-A
Confidential Information Designation

All materials submitted as part of a response to a solicitation are subject to Arizona public records law and will be disclosed if there is an appropriate public records request at the time of or after the award of the contract.

Recognizing there may be materials included in a solicitation response that are proprietary or a trade secret, a process is set out in A.A.C. R2-7-103 (copy attached) that will allow qualifying materials to be designated as confidential and excluded from disclosure. For purposes of this process the definition of "trade secret" will be the same as that set out in A.A.C. R2-7-101(52).

Complete this form return it with your Offer along with the appropriate supporting information to assist State in making its determination as to whether any of the materials submitted as part of your Offer should be designated confidential because the material is proprietary or a trade secret and therefore not subject to disclosure.

STATE WILL NOT CONSIDER ANY MATERIAL IN YOUR OFFER "CONFIDENTIAL" UNLESS DESIGNATED ON THIS FORM.

Check one of the following – if neither is checked, State will assume that as equivalent to "DOES NOT":

<input checked="" type="radio"/>	This response DOES NOT contain proprietary or trade secret information. I understand that my entire response will become public record in accordance with A.A.C. R2-7-C317.
<input type="radio"/>	This response DOES contain trade secret information because it contains information that: <ol style="list-style-type: none"> 1. Is a formula, pattern, compilation, program, device, method, technique or process, AND 2. Derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; AND 3. Is the subject of efforts by myself or my organization that are reasonable under the circumstances to maintain its secrecy.

NOTE: Failure to attach an explanation may result in a determination that the information does not meet the statutory trade secret definition. All information that does not meet the definition of trade secret as defined by A.A.C. R2-7-101(52) will become public in accordance with A.A.C. R2-7-C317. State may make its own determination on materials in accordance with A.A.C. R2-7-103.

If State agrees with Offeror's designation of trade secret or confidentiality and the determination is challenged, the undersigned hereby agrees to cooperate and support the defense of the determination with all interested parties, including legal counsel or other necessary assistance.

By submitting this response, Offeror agrees that the entire Offer, including confidential, trade secret and proprietary information may be shared with an evaluation committee and technical advisors during the evaluation process. Offeror agrees to indemnify and hold State, its agents and employees, harmless from any claims or causes of action relating to State's withholding of information based upon reliance on the above representations, including the payment of all costs and attorney fees incurred by State in defending such an action.

Entellus, Inc.



Offeror Company Name	Signature of Authorized Person
3033 North 44 th Street, Suite 250	Bill Linck
Address	Printed Name

Offeror Company Name	Signature of Authorized Person
3033	Bill Linck
Address	Printed Name

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Phoenix,	AZ	85018	Sr. Vice President
City	State	Zip	Title

ATTACHMENT 5-A SUPPLEMENTS:
 (Offeror to insert as required and list here or type "None" on first line. Offeror shall title any Supplement(s) with the same title as named herein and upload with offer.)

	Title	Document Date	No. of pages	Purpose in Offer
1.	None	N/A	N/A	N/A

End of Attachment 5-A

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***Copy of A.A.C. R2-7-103 [Confidential Information]
as was current at time of Solicitation issuance***

PROVIDED FOR REFERENCE ONLY

- A. *If a person wants to assert that a person's offer, specification, or protest contains a trade secret or other proprietary information, a person shall include with the submission a statement supporting this assertion. A person shall clearly designate any trade secret and other proprietary information, using the term "confidential". Contract terms and conditions, pricing, and information generally available to the public are not considered confidential information under this Section.*
- B. *Until a final determination is made under subsection (C), an agency chief procurement officer shall not disclose information designated as confidential under subsection (A) except to those individuals deemed by an agency chief procurement officer to have a legitimate state interest.*
- C. *Upon receipt of a submission, an agency chief procurement officer shall make one of the following written determinations:*
 - 1. *The designated information is confidential and the agency chief procurement officer shall not disclose the information except to those individuals deemed by the agency chief procurement officer to have a legitimate state interest;*
 - 2. *The designated information is not confidential; or*
 - 3. *Additional information is required before a final confidentiality determination can be made.*
- D. *If an agency chief procurement officer determines that information submitted is not confidential, a person who made the submission shall be notified in writing. The notice shall include a time period for requesting a review of the determination by the state procurement administrator.*
- E. *An agency chief procurement officer may release information designated as confidential under subsection (A) if:*
 - 1. *A request for review is not received by the state procurement administrator within the time period specified in the notice; or*
 - 2. *The state procurement administrator, after review, makes a written determination that the designated information is not confidential.*

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Attachment 5-B
Conformance Statements

STATE WILL NOT CONSIDER ANY EXCEPTIONS UNLESS DESIGNATED ON THIS FORM.
READ THE INSTRUCTIONS TO OFFERORS BEFORE TAKING ANY EXCEPTIONS – TAKING EXCEPTIONS CAN BE
GROUNDS FOR STATE REJECTING YOUR OFFER IN EVALUATION.

**CONFORMANCE TO THE INSTRUCTIONS:
(PART 1 OF THE SOLICITATION)**

Check one of the following – if neither is checked, State will assume that as equivalent to “YES”:

- YES – Offeror acknowledges that it has read and understands the Solicitation Summary in Section 1-A of the Solicitation Documents and the Instructions to Offerors in Section 1-B of the Solicitation Documents and the and attests that its Offer complies with both.
- NO – Offeror acknowledges that it has read and understands the Solicitation Summary in Section 1-A of the Solicitation Documents and the Instructions to Offerors in Section 1-B of the Solicitation Documents, and attests that its Offer complies with both EXCEPT FOR the exceptions listed in **Attachment 5-B Supplement 1**.

**CONFORMANCE TO THE CONTRACT TERMS AND CONDITIONS:
(PART 2 OF THE SOLICITATION)**

Check one of the following – if neither is checked, State will assume that as equivalent to “YES”:

- YES – Offeror acknowledges that it has read and understands the Special Terms and Conditions and the Uniform Terms and Conditions, along with their respective Exhibits and Appendices, in Part 2 of the Solicitation Documents and attests that its Offer complies with both.
- NO – Offeror acknowledges that it has read and understands the Special Terms and Conditions and the Uniform Terms and Conditions, along with their respective Exhibits and Appendices in Part 2 of the Solicitation Documents and attests that its Offer complies with both EXCEPT FOR the exceptions listed in **Attachment 5-B Supplement 2**.

**CONFORMANCE TO THE TECHNICAL DOCUMENTS:
(PART 3 OF THE SOLICITATION)**

Check one of the following – if neither is checked, State will assume that as equivalent to “YES”:

- YES – Offeror acknowledges that it has read and understands the Requirements Document and the Compensation Document in Part 3 of the Solicitation Documents and attests that its Offer complies with both.

PART 4 of the Solicitation Documents:
Offer Forms (Attachments)

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- NO – Offeror acknowledges that it has read and understands the [Requirements Document and the Compensation Document](#), in Part 3 of the Solicitation Documents and attests that its Offer complies with both EXCEPT FOR the exceptions listed in **Attachment 5-B Supplement 3**.

ATTACHMENT 5-B Supplement No. 1:
Exceptions to Instructions

Article / Paragraph or Exhibit Reference	Proposed Changes / Alternate Language	Rationale for Proposed Change
Section 1-A: Solicitation Summary		
N/A	N/A	N/A
Section 1-B: Instructions to Offerors		
N/A	N/A	N/A

ATTACHMENT 5-B Supplement No. 2:
Exceptions to Contract Terms & Conditions

Article/ Paragraph or Exhibit Reference	Proposed Changes / Alternate Language	Rationale for Proposed Change
Section 2-A: Special Terms & Conditions		
N/A	N/A	N/A
Article/ Paragraph or Appendix Reference	Proposed Changes / Alternate Language	Rationale for Proposed Change
Section 2-B: Uniform Terms & Conditions		
N/A	N/A	N/A

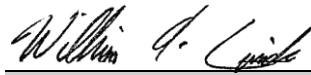
	Request for Qualifications Solicitation No. ADSP018-00007887 Description: 2018 Professional Services List	Arizona Department of Administration State Procurement Office 100 N 15th Ave., Suite 201 Phoenix, AZ 85007
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ATTACHMENT 5-B Supplement No. 3:
Exceptions to Technical and Commercial

Article / Paragraph or Exhibit Reference	Proposed Changes / Alternate Language	Rationale for Proposed Change
Section 2-A Scope of Work (Requirements Document)		
N/A	N/A	N/A
Section 2-B: Compensation Document		
N/A	N/A	N/A

Entellus, Inc.

Company Name



Signature of Person Authorized to Sign

End of Attachment 5-B



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Attachment 5-C
Insurance Evidence

RESERVED FOR AWARDED DESIGN PROFESSIONAL UPON SERVICE REQUEST

End of Attachment 5-C



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Attachment 5-D
Offer Checklist

STATE MAY DETERMINE YOUR PROPOSAL IS NON-RESPONSIVE IF YOU DO NOT SUBMIT ALL ATTACHMENTS.

	DOCUMENT	SUBMITTED
1.	Attachment 1: Offer and Acceptance Form - SIGNED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
2.	Attachment 2-A: Experience and Capacity	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
3.	Attachment 2-A: References	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
4.	Attachment 2-B: Organization Profile	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
5.	Attachment 3-A: Method Proposal – RESERVED FOR AWARD	<input type="checkbox"/> YES <input checked="" type="checkbox"/> no
6.	Attachment 3-B: Key Personnel Proposal	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
7.	Attachment 3-C: Proposed Subcontractors – RESERVED FOR AWARD	<input type="checkbox"/> YES <input checked="" type="checkbox"/> no
8.	Attachment 3-D: Performance Guarantee – RESERVED FOR AWARD	<input type="checkbox"/> YES <input checked="" type="checkbox"/> no
9.	Attachment 3-E: Israel Boycott Form - SIGNED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
10.	Attachment 4: Pricing Sheet – RESERVED FOR AWARD	<input type="checkbox"/> YES, <input checked="" type="checkbox"/> no
11.	Attachment 5-A: Confidential Information Designation - SIGNED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
12.	Attachment 5-B: Conformance Statements - SIGNED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
13.	Attachment 5-C: Insurance Evidence – RESERVED FOR AWARD	<input type="checkbox"/> YES <input checked="" type="checkbox"/> no
14.	Attachment 5-D: Offer Checklist	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
15.	.pdf File: Number of Projects and Revenue	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no
16.	Excel File: 2018 Professional Services List of Firms Services	<input checked="" type="checkbox"/> YES <input type="checkbox"/> no

End of Attachment 5-D

End of Part 4

PART 4 of the Solicitation Documents:
 Offer Forms (Attachments)

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Attachment 3-B
Key Personnel Proposal

Answer all questions thoroughly in the spaces provided. **Complete this form in full for each one of the key personnel who will participate in this contract.** Insert or attach a separate resume if desired, but any attached resumes are supplemental to this form and **do not substitute resumes for this form.** Offeror shall list any resume filename within the Key Personnel Form resume section **and Attach as titled and submit with firm's offer in ProcureAZ. Resumes shall not be listed in Attachment 3-B as Supplements.**

1	Name:	Dan Francetic	How long with company?	11 years
	Current position in company:	Survey Manager	How long in position?	11 years
	Position for the Services:	Registered Land Surveyor	How much of time will be dedicated to the Services?	25 %
	What primary functions will be assigned?	Horizontal and vertical survey control, boundary surveys, topographic and contour mapping, legal descriptions and easements		



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Describe person's
 experience in performing
 services like those that are
 to be assigned:

Germann Road Improvements Val Vista to Higley, Gilbert, AZ

Survey Manager: Improvements to major arterial standards, consisting of three 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.

CAP Raw Water Pipeline and Roadway Design, Mesa, AZ

Survey Manager: The City of Mesa has seen an increase in residential, commercial and industrial development, particularly in its southeast limits. This added growth has led to an increased demand for water resources. As a result, the City designed the new Signal Butte Water Treatment Plant (WTP) to meet these emerging demands. As part of this project, Entellus designed a 54-inch gravity raw water pipeline from the existing turnout structure at the Central Arizona Project (CAP) canal and the Elliot Road alignment to the WTP. To complete the pipeline and prevent future disturbance, Entellus also designed the north half street improvements of Elliot Road from Signal Butte Road to Mountain Road. The roadway was designed to three through lanes in each direction, bike lanes, a raised median, curb, gutter, sidewalk, street lights, signing, striping, landscaping and irrigation. The design included landscape and hardscape aesthetic improvements on the north side of Elliot Road along the WTP for a future park site.

Layton Lakes FM Rehabilitation and Replacement, Gilbert, AZ

Survey Manager: Conducted a feasibility study/final design for the rehabilitation and the reconstruction of the dual Force Mains (14" & 18" concrete-lined DIP) which convey flows from the Layton Lakes Lift Station to the Mesa Gilbert South WRP over approximately 13,500 linear feet, resulting in the recommendation of a combination of replacement (approximately 1,466 linear feet) approximately 2.3 miles. The project is currently under construction and Entellus is providing construction administration.

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<p>List person's job-related training and education:</p>	<p>Professional Registrations/Certifications</p> <ul style="list-style-type: none"> ▪ Registered Land Surveyor, AZ #33874 ▪ Professional Land Surveyor, UT # 8887650-2201 ▪ Professional Land Surveyor, NM #18994 ▪ Professional Land Surveyor, NV #020262 ▪ Certified Federal Surveyor #1090 ▪ NSPS Certified Survey Technician #0707-3098 <p>Education</p> <ul style="list-style-type: none"> ▪ Bachelor of Science Surveying, Ohio State University, Columbus, Ohio
<p>Resume:</p>	<p>Dan Francetic Resume</p>



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2	Name:	Tim Poe	How long with company?	5 years
	Current position in company:	Project Engineer	How long in position?	5 years
	Position for the Services:	Project Engineer	How much of time will be dedicated to the Services?	25 %
	What primary functions will be assigned?	Project management, client and, stakeholder coordination, plan development and report oversight.		
	Describe person's experience in performing services like those that are to be assigned:	<p>Lone Mountain Parkway Design, Peoria, AZ Project Engineer: Entellus prepared a Design Concept Report (DCR) for the ultimate roadway and prepared final design and construction plans for Phase 1. The DCR established the horizontal alignment, identified all the stakeholders and incorporated them in the process, and addressed the environmental issues required to construct the roadway. The 3.5-mile route had several key stakeholders that influenced the final recommended horizontal and vertical alignments. The route crosses a major 500 kv APS/WAPA easement, intersects with and requires an interchange with SR Loop 303, crosses Arizona State Land designated for intense commercial/mixed use, crosses the Maricopa Water District's Beardsley Canal, crosses a wide expanse of land controlled by the LDS Church, located near a major sand and gravel operation, crosses the Aqua Fria River, crosses land controlled by BLM, crosses a CAP's recharge facility and tied seamlessly into a segment of roadway previously approved as part of a major commercial project developed by the Pedersen Group.</p> <p>Westwind Preparatory School, Phoenix, AZ 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 Westwind Preparatory Academy and Westwind Middle School Academy are currently operating from a number of existing buildings on these parcels. The project provided several 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.</p> <p>Plan Review of Grading/Drainage and Street Paving Construction, Phoenix, AZ Project Engineer: Reviewed development submittals for compliance with current City regulations and standards. In 2014 and 2015, Entellus had two team members from our Phoenix office acting as in-house City reviewers performing grading and drainage, paving, and storm water management plan and master drainage report reviews. In total, we provided approximately 4,300 labor hours of in-house plan review.</p>		

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<p>List person's job-related training and education:</p>	<p>Professional Registrations/Certifications</p> <ul style="list-style-type: none"> ▪ Civil Engineer, AZ #37881 <p>Education</p> <ul style="list-style-type: none"> ▪ Bachelor of Science Civil Engineering, Arizona State University, Tempe, Arizona
<p>Resume:</p>	<p>Tim Poe Resume</p>



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3	Name:	Mike Gleason	How long with company?	2 years
	Current position in company:	Project Manager	How long in position?	2 years
	Position for the Services:	Project Manager	How much of time will be dedicated to the Services?	20 %
	What primary functions will be assigned?	Project management, client coordination, stakeholder coordination, plan development and report oversight.		
	Describe person's experience in performing services like those that are to be assigned:	<p>Falcon Ridge, Maricopa County, AZ Project Manager: Responsible for managing the engineering from pre-application, preliminary plat, through the improvement plan process. In addition, provided support for rezone, attend the neighborhood meeting, and manage the landscape sub consultant. This 179 lot subdivision is situated on approximately 55 acres and includes half street improvements for three collector roads and one arterial road. This project is currently under design and at the Preliminary Plat stage.</p> <p>Falcon View II, Maricopa County, AZ Project Manager: Responsible for managing the engineering from pre-application, preliminary plat, through the improvement plan process. In addition, provided support for rezone, attend neighborhood meeting, and manage the landscape sub consultant. This 21 lot subdivision is situated on approximately 9 acres and serves as a second phase to Falcon View and includes half street improvements for one collector street. The plans for this project are currently in for review.</p> <p>Trilogy at Vistancia Master Planned Community, Peoria, AZ Project Manager: Responsible for managing all parts of engineering for this active adult development within community. Scope included generating improvement plans; Storm Water Pollution Prevention Plans, grading, paving, water, sewer, drainage design, coordination with adjacent arterial and collector roadways for proper access, roadway ties-in points, utility tie-in points. These projects required frequent review of geotechnical reports for soil stability, slope stability, and percolation rates. In addition, prepared scopes, proposals, budgets, and project projections. Provided weekly project reports to team members to track project status and percent complete. This project required excellent communication and coordination between multiple teams completing designs and plans simultaneously to meet the client's aggressive schedule.</p>		



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List person's job-related training and education:	<p>Professional Registrations/Certifications</p> <ul style="list-style-type: none">▪ Civil Engineer, AZ #40975 <p>Education</p> <ul style="list-style-type: none">▪ Bachelor of Science, Civil Engineering, Arizona State University, Tempe, Arizona
Resume:	Mike Gleason Resume



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4	Name:	Dustin Bonar	How long with company?	2 years
	Current position in company:	Project Engineer	How long in position?	2 years
	Position for the Services:	Project Engineer	How much of time will be dedicated to the Services?	50 %
	What primary functions will be assigned?	Project engineer for water/wastewater systems, roadways, drainage infrastructure and park facilities.		
	Describe person's experience in performing services like those that are to be assigned:	<p>Cooper Road Improvements, Chandler, AZ Project Engineer: Designed approximately 1.75 miles of roadway. Improvements will upgrade undeveloped sections of Cooper Road to the City's minor arterial section and include roadway widening, sidewalk, bike lanes, drainage improvements, street lighting and traffic signals, completion of City utility systems, and private irrigation. As part of the design, Entellus will review existing conditions and ensure ADA guidelines are met. Construction will be completed with federal funding and plans will be phased based on anticipated funding availability.</p> <p>West Anthem Water & Sewer Improvements, Phoenix, AZ Project Engineer: The City retained Entellus to complete a Basis of Design Report (BDR) for the proposed water and sewer improvements to provide services to the West Anthem area. The improvements include about five miles of gravity sewer and force mains, 1.5 miles of water transmission main, pump station upgrades and a new lift station. Following completion of the BDR, we will complete final design of all the water improvements and sewer improvements north of the lift station.</p> <p>Raw Water Pipeline & Improvements to Elliot Road, Mesa, AZ Project Engineer: Designed more than 3 miles of 54" raw water pipeline from the CAP Canal turnout structure to the City's new Signal Butte Water Treatment Plant (WTP). The design was coordinated with the design of the WTP and include measures to prevent quagga mussel infestation of the new pipeline. To complete the pipeline and prevent future disturbance, Entellus will also design the north half street improvements of Elliot Road from Signal Butte Road to Mountain Road. The roadway will be designed to 3 through lanes in each direction, bike lanes, a raised median, curb, gutter, sidewalk, street lights, signing, striping, landscaping and irrigation. Also including landscape and hardscape aesthetic improvements on the north side along the WTP for a future park site.</p>		

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<p>List person's job-related training and education:</p>	<p>Professional Registrations/Certifications</p> <ul style="list-style-type: none"> ▪ Civil Engineer, AZ #61200 <p>Education</p> <ul style="list-style-type: none"> ▪ Bachelor of Science, Civil Engineering, Northern Arizona University, Flagstaff, Arizona
<p>Resume:</p>	<p>Dustin Bonar Resume</p>



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5	Name:	Brian Wilcox	How long with company?	5 years
	Current position in company:	Project Engineer	How long in position?	5 years
	Position for the Services:	Project Engineer	How much of time will be dedicated to the Services?	50 %
	What primary functions will be assigned?	Project engineer for water/wastewater systems, roadways, drainage infrastructure and park facilities.		
	Describe person's experience in performing services like those that are to be assigned:	<p>Val Vista Water Transmission Main Phase 3, Mesa, AZ Project Engineer: Designed more than one mile of a 16-inch waterline to feed a new transmission main directly from City Well 27. The waterline alignment needed to go through a heavily-travelled intersection. Entellus evaluated various alignment alternatives to develop an optimal solution which minimized disruption to the public. Entellus also coordinated with utility companies and provided construction phase services after design.</p> <p>West Anthem Water & Sewer Improvements, Phoenix, AZ Project Engineer: The City retained Entellus to complete a Basis of Design Report (BDR) for the proposed water and sewer improvements required to provide services to the West Anthem area. The improvements include about five miles of gravity sewer and force mains, 1.5 miles of water transmission main, pump station upgrades and a new lift station. Following completion of the BDR, Entellus will complete final design of all the water improvements and sewer improvements north of the lift station.</p> <p>Layton Lakes FM Rehabilitation and Replacement, Gilbert, AZ Project Engineer: Entellus conducted a feasibility study and final design for the rehabilitation and the reconstruction of the Layton Lakes dual Force Mains (14" & 18" concrete-lined DIP) which convey flows from the Layton Lakes Lift Station to the Mesa Gilbert South Water Reclamation Plant over approximately 13,500 linear feet. The results from this study led to the recommendation of a combination of replacement (approximately 1,466 linear feet) approximately 2.3 miles. The project is currently under construction and Entellus is providing construction administration.</p>		

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<p>List person's job-related training and education:</p>	<p>Professional Registrations/Certifications</p> <ul style="list-style-type: none"> ▪ Civil Engineer, AZ #64944 <p>Education</p> <ul style="list-style-type: none"> ▪ Bachelor of Science, Civil Engineering, Arizona State University, Tempe, Arizona
<p>Resume:</p>	<p>Brian Wilcox Resume</p>



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6	Name:	<input checked="" type="checkbox"/>	How long with company?	<input checked="" type="checkbox"/> x years
	Current position in company:	<input checked="" type="checkbox"/>	How long in position?	<input checked="" type="checkbox"/> x
	Position for the Services:	<input checked="" type="checkbox"/>	How much of time will be dedicated to the Services?	<input checked="" type="checkbox"/> x
	What primary functions will be assigned?	<input checked="" type="checkbox"/>		
	Describe person's experience in performing services like those that are to be assigned:	<input checked="" type="checkbox"/>		
	List person's job-related training and education:	<input checked="" type="checkbox"/>		
	Resume:	<input checked="" type="checkbox"/> List filename		



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7	Name:	<input checked="" type="checkbox"/>	How long with company?	<input checked="" type="checkbox"/> x years
	Current position in company:	<input checked="" type="checkbox"/>	How long in position?	<input checked="" type="checkbox"/> x
	Position for the Services:	<input checked="" type="checkbox"/>	How much of time will be dedicated to the Services?	<input checked="" type="checkbox"/> x
	What primary functions will be assigned?	<input checked="" type="checkbox"/>		
	Describe person's experience in performing services like those that are to be assigned:	<input checked="" type="checkbox"/>		
	List person's job-related training and education:	<input checked="" type="checkbox"/>		
	Resume:	<input checked="" type="checkbox"/> List filename		



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8	Name:	<input checked="" type="checkbox"/>	How long with company?	<input checked="" type="checkbox"/> x years
	Current position in company:	<input checked="" type="checkbox"/>	How long in position?	<input checked="" type="checkbox"/> x
	Position for the Services:	<input checked="" type="checkbox"/>	How much of time will be dedicated to the Services?	<input checked="" type="checkbox"/> x
	What primary functions will be assigned?	<input checked="" type="checkbox"/>		
	Describe person's experience in performing services like those that are to be assigned:	<input checked="" type="checkbox"/>		
	List person's job-related training and education:	<input checked="" type="checkbox"/>		
	Resume:	<input checked="" type="checkbox"/> List filename		

TYPE OF PROJECT	TOTAL NUMBER OF FIRM PROJECTS (ALL FIRM LOCATIONS) COMPLETED IN LAST THREE YEARS	Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY state, municipal, federal etc. government projects only	Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY non- government projects only
Acoustics, Noise Abatement			
Activity Centers			
Aerial Photography; Airborne Data and Imagery Collection and Analysis			
Agricultural Development; Grain Storage; Farm Mechanization			
Air Pollution Control			
Airports; Nav aids; Airport Lighting; Aircraft Fueling			
Airports; Terminals and Hangars; Freight Handling			
Animal Facilities			
Anti-Terrorism/Force Protection			
Area Master Planning	12	6	1
Auditoriums and Theaters			
Automation; Controls; Instrumentation			
Barracks; Dormitories			
Bridge Design: Bridges			
Cartography			
Cemeteries (<i>Planning and Relocation</i>)			
Chemical Processing and Storage			
Child Care/Development Facilities			
Codes; Standards; Ordinances	5	4	
Cold Storage; Refrigeration and Fast Freeze			
Commercial Building (<i>Low Rise</i>); Shopping Centers			

Communications Systems; TV; Microwave			
Community Facilities			
Computer Facilities			
Conservation and Resource Management			
Construction Management	40	6	3
Construction Materials Testing			
Construction Surveying	120	2	6
Controls and Electronics Engineer			
Corrosion Control; Cathodic Protection Electrolysis			
Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting			
Cryogenic Facilities			
Dams (<i>Concrete; Arch</i>)			
Dams (<i>Earth; Rock</i>); Dikes; Levees			
Desalinization (<i>Process and Facilities</i>)			
Design & Planning Structured Parking Facilities			
Design-Build - Preparation of Requests for Proposals			
Detention Security Systems			
Digital Elevation and Terrain Model Development			
Digital Orthophotography			
Dining Halls; Clubs; Restaurants	1		1
Disability / Special Needs			
Dredging Studies and Design			
Ecological and Archeological Investigations			
Educational Facilities; Classrooms	7	2	2
Electrical Studies and Design			
Electronics			
Elevators; Escalators; People-Movers			
Energy / Water Auditing Savings			
Energy Conservation; New Energy Sources			
Environmental Impact Studies, Assessments or Statements			
Fallout Shelters; Blast-Resistant Design			
Fire Protection			
Fisheries; Fish Ladders			
Forensic Engineering	3		1
Garages; Vehicles Maintenance Facilities; Parking			
Gas Systems (<i>Propane; Natural, Etc.</i>)			
Geodetic Surveying: Ground and Airborne			
Heating; Ventilating; Air Conditioning			

Highways; Streets; Airfield Paving; Parking Lots	38	7	
Historical Preservation			
Hospital and Medical Facilities			
Hotels; Motels			
Housing (Residential, Multi-Family; Apartments; Condominiums)	25		3
Hydraulics and Pneumatics			
Hydrographic Surveying			
Industrial Buildings; Manufacturing Plants			
Industrial Processes; Quality Control			
Industrial Waste Treatment			
Intelligent Transportation Systems			
Infrastructure	20	2	2
Irrigation; Drainage			
Judicial and Courtroom Facilities			
Laboratories; Medical Research Facilities			
Labs - General			
Labs – Research – Dry			
Labs – Research – Wet			

umber of Projects and Revenue

| Services Qualifications List

ellus, Inc.

TYPE OF PROJECT	TOTAL NUMBER OF FIRM PROJECTS (ALL FIRM LOCATIONS) COMPLETED IN LAST THREE YEARS	Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY state, municipal, federal etc. government projects only	Using the Revenue Index (Enter 1-10) indicate the approximate revenue the firm has earned over the last three years from ARIZONA ONLY non-government projects only
Land Surveying	40	4	4
Landscape Architecture			
LEED Accredited A/E			
LEED Independent 3rd Party Building Commissioning			
Libraries; Museums; Galleries			
Lighting (<i>Exteriors; Streets; Memorials; Athletic Fields, Etc.</i>)			
Lighting (<i>Interior; Display; Theater, Etc.</i>)			
Lighting (<i>Cave; Cavern</i>)			
Mapping Location/Addressing Systems			
Materials Handling Systems; Conveyors; Sorters			
Materials Testing			
Measurement / Verification / Conservation Water Consumption			
Medical Related			
Metallurgy			
Mining and Mineralogy			
Modular Systems Design; Pre-Fabricated Structures or Components			
Mold Investigation			
Museums			
Nuclear Facilities; Nuclear Shielding			
Office Buildings; Industrial Parks			
Outdoor Recreation	1	1	

Petroleum and Fuel (Storage and Distribution)			
Phase I Environmental			
Photogrammetry			
Pipelines (Cross-Country - Liquid and Gas)			
Plumbing and Piping Design			
Pneumatic Structures, Air-Support Buildings			
Power Generation, Transmission, Distribution			
Prisons and Correctional Facilities			
Product, Machine Equipment Design			
Public Safety Facilities	1	1	
Radar; Sonar; Radio and Radar Telescopes			
Radio Frequency Systems and Shieldings			
Railroad; Rapid Transit	6	2	
Recreation Facilities (Parks, Marinas, Etc.)	3	3	
Refrigeration Plants/Systems			
Rehabilitation (Buildings; Structures; Facilities)			
Research Facilities			
Resources Recovery; Recycling			
Rivers; Canals; Waterways; Flood Control	5	3	
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	6	4	2
Soils and Geologic Studies; Foundations			
Solar Energy Utilization			
Solid Wastes; Incineration; Landfill			
Special Environments; Clean Rooms, Etc.			
Specifications Writing			
Storm Water Handling and Facilities	7	3	
Structural Design; Special Structures			
Surveying; Platting; Mapping; Flood Plain Studies	5		1
Sustainable Design	5		1
Swimming Pools			
Testing and Inspection Services			
Topographic Surveying and Mapping	10		2
Towers (Self-Supporting and Guyed Systems)			

Toxicology			
Traffic and Transportation Engineering			
Traffic Studies			
Transportation	10	2	2
Tunnels and Subways			
Urban Renewals; Community Development			
Utilities (Gas and Steam)			
Value Analysis; Life-Cycle Costing			
Warehouse and Depots			
Waste Water Treatment Facility			
Water Resources; Hydrology; Ground Water			
Water Supply; Treatment and Distribution	20	6	
Water Well Rehabilitation; Water Well Work			
Wind Tunnels; Research/Testing Facilities Design			
Zoning; Land Use Studies	2		1

Professional Services**Revenue****Index Number**

- 1.** Less than \$100,000
- 2.** \$100,000 to less than \$250,000
- 3.** \$250,000 to less than \$500,00
- 4.** \$500,000 to less than \$1 Million
- 5.** \$1 Million to less than \$2 Million
- 6.** \$2 Million to less than \$5 Million
- 7.** \$5 Million to less than \$10 Million
- 8.** \$10 Million to less than \$25 Million
- 9.** \$25 Million to less than \$50 Million
- 10.** \$50 Million or greater

**STATE OF ARIZONA
BOARD OF TECHNICAL REGISTRATION**

■ FIRM REGISTRATION ■

FIRM NAME
Entellus, Inc.

FIRM REGISTRATION NO.: 10578-0

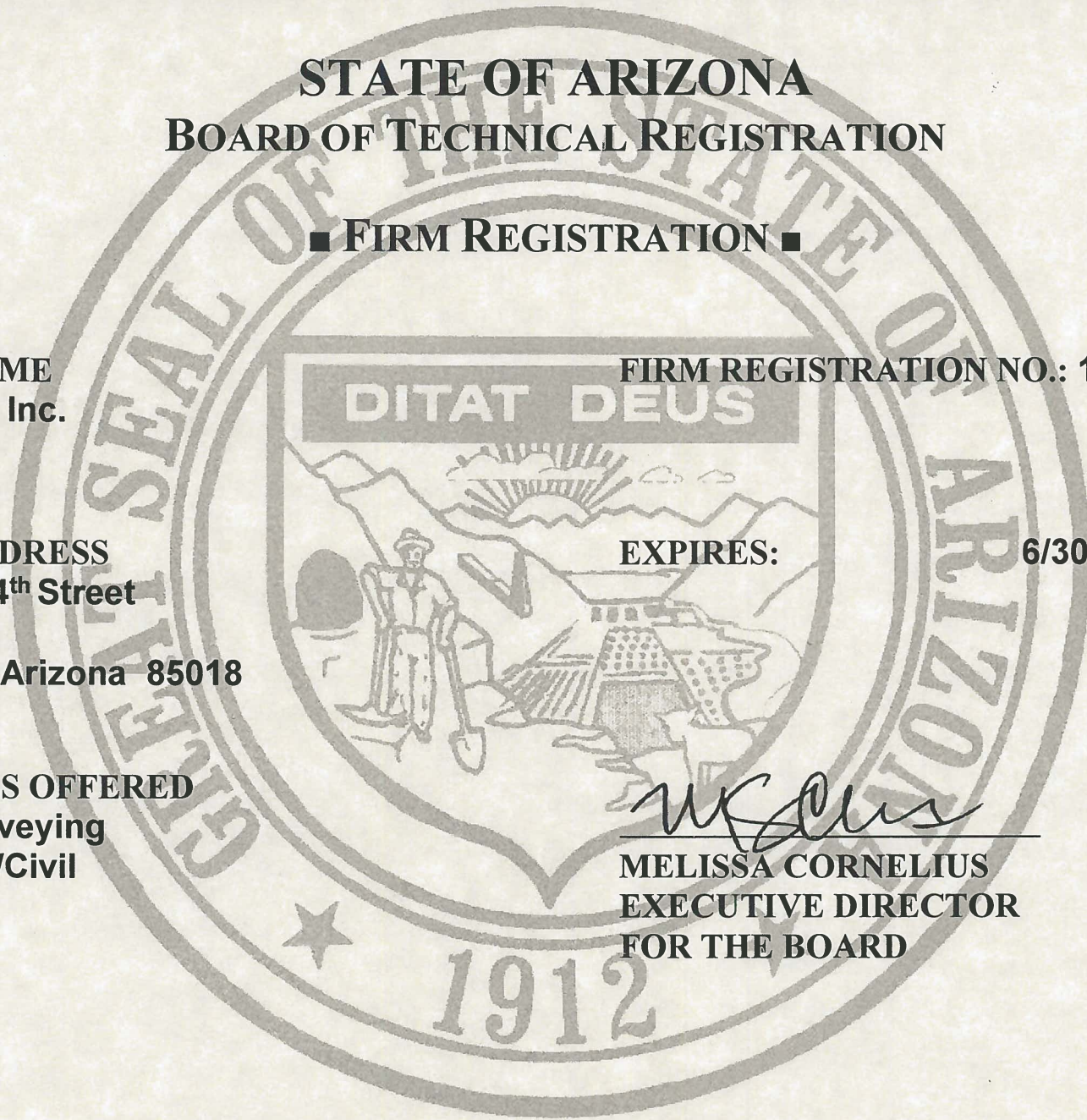
FIRM ADDRESS
3033 N 44th Street
Suite 250
Phoenix, Arizona 85018

EXPIRES: 6/30/2018

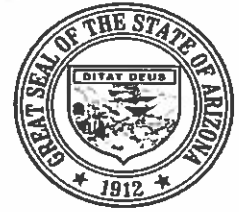
SERVICES OFFERED
Land Surveying
Engineer/Civil



MELISSA CORNELIUS
EXECUTIVE DIRECTOR
FOR THE BOARD



ARIZONA DEPARTMENT OF REVENUE
 ATTN: Customer Care and Outreach
 PO BOX 29032
 Phoenix, AZ 85038-9032



ARIZONA DEPARTMENT OF REVENUE TRANSACTION PRIVILEGE TAX LICENSE NOT TRANSFERABLE

The licensee listed below is licensed to conduct business upon the condition that taxes are paid to Arizona Department of Revenue as required under provisions of A.R.S. Title 42, Chapter 5, Article 1.

2018

ISSUED TO: ENTELLUS INCORPORATED
 3033 N 44TH ST STE 250
 PHOENIX AZ 85018-7228

ALL communications and reports MUST REFER to this LICENSE NO.

LICENSE: 07461969
START DATE: 09/01/1993
ISSUED: 12/06/2017
EXPIRES: 12/31/2018

LOCATION: CODE 001
 ENTELLUS INCORPORATED
 2255 N 44TH ST #125
 PHOENIX, AZ 85008
 1700051317309
 01 0000 0000 0000 0000 0000 0000 0000 0000 0000

BUSINESS CODE	REGION	JURISDICTION
015 - CONTRACTING - PRIME	COH - COCHISE	COUNTY
015 - CONTRACTING - PRIME	MAR - MARICOPA	COUNTY
029 - USE TAX	MAR - MARICOPA	COUNTY
015 - CONTRACTING - PRIME	PNL - PINAL	COUNTY
015 - CONTRACTING - PRIME	AJ - APACHE JUNCTION	CITY
015 - CONTRACTING - PRIME	CH - CHANDLER	CITY
015 - CONTRACTING - PRIME	PE - PEORIA	CITY
029 - USE TAX	PE - PEORIA	CITY
015 - CONTRACTING - PRIME	SR - SIERRA VISTA	CITY
029 - USE TAX	SR - SIERRA VISTA	CITY

This License is issued to the business named above for the address shown. Licenses, by law, cannot be transferred from one person to another, nor can they be transferred from one location to another. Arizona law requires licensees to notify the Department of Revenue if there is a change in business name, trade name, location, mailing address, or ownership. In addition, when the business ceases to operate or the business location changes and a new license is issued, this license must be returned to the Arizona Department of Revenue. According to R15-5-2201, license must be displayed in a conspicuous place.

STATE OF ARIZONA



Office of the
CORPORATION COMMISSION

CERTIFICATE OF GOOD STANDING

To all to whom these presents shall come, greeting:

I, Jodi A. Jerich, Executive Director of the Arizona Corporation Commission, do hereby certify that

*****ENTELLUS, INC.*****

a domestic corporation organized under the laws of the State of Arizona, did incorporate on December 06 1985.

I further certify that according to the records of the Arizona Corporation Commission, as of the date set forth hereunder, the said corporation is not administratively dissolved for failure to comply with the provisions of the Arizona Business Corporation Act; and that its most recent Annual Report, subject to the provisions of A.R.S. sections 10-122, 10-123, 10-125 & 10-1622, has been delivered to the Arizona Corporation Commission for filing; and that the said corporation has not filed Articles of Dissolution as of the date of this certificate.

This certificate relates only to the legal existence of the above named entity as of the date issued. This certificate is not to be construed as an endorsement, recommendation, or notice of approval of the entity's condition or business activities and practices.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Arizona Corporation Commission. Done at Phoenix, the Capital, this 1st day of November, 2016, A. D.





Jodi A. Jerich, Executive Director

By: _____ 1532408



Alberto started working at Entellus at 2002 as an intern. Since then, he has taken on increasing responsibilities to rise to his current role as Project Manager/Engineer where he assists in a wide variety of roadway, drainage, and water/wastewater design projects. This includes plan set preparation, field verification, development of project reports, and stakeholder coordination. Bringing passion to his work everyday, he continues to identify new ways to streamline the design process and keep clients informed on the status of their projects.

ALBERTO GONZALEZ, PE, AVS

Project Manager/Engineer



3033 N 44th Street, #250, Phoenix, AZ 85018



(602) 889-4446



agonzalez@entellus.com

Years of Experience

16 / 16 at Entellus

Registrations

Professional Engineer,

AZ #49432

Associate Value Specialist,

#201505004

Education

Bachelor of Science, Civil

Engineering, Marquette

University

Professional Affiliations

American Public Works

Association (APWA)

AGUA FRIA MULTI-USE PATH IMPROVEMENTS, AVONDALE, AZ

Project Manager - This project extends on the east side of the Agua Fria River from Van Buren Street to the Interstate 10 freeway, for approximately 2,400 linear feet. Entellus is currently completing the construction drawings in close coordination with the City of Avondale and Flood Control District (FCD). The project provides a 10-foot multi-use path, consisting of a 3-inch thick asphalt layer on existing soil cement, and 2-foot shoulders on each side with 3-inch stabilized ABC. Coordination with existing utilities is underway in order to obtain clearance forms. The project also provides a 12-foot wide access road for FCD use. Once construction is completed, it will connect to the proposed trail improvements that will cross underneath the I-10 bridge, providing City residents and visitors in the region additional and safer trail routes.

32ND STREET MULTI-USE PATH AND STREET IMPROVEMENTS, PHOENIX, AZ

Project Engineer - Entellus developed a Design Concept Report (DCR) and completed final design plans for these improvements which aimed to provide connectivity from South Mountain Park to the Rio Salado path near the Salt River as part of the City's trail system. This project initially was limited to half street roadway improvements to include bike lanes and a 10-foot multi-use trail during the DCR phase. Final design included ultimate street improvements designed for five lanes with curb, gutter, sidewalks, ADA upgrades, drainage improvements, street lighting and traffic signals, in addition to the bike lanes and 10-foot multi-use trail. Our team assisted the City in extensive right-of-way and utility coordination including SRP Irrigation and SRP Electric relocations.

CAP RAW WATER PIPELINE AND ROADWAY DESIGN, MESA, AZ

Project Engineer - Designed more than 3 miles of 54" raw water pipeline from the CAP Canal turnout structure to the City's new Signal Butte Water Treatment Plant (WTP). The design was coordinated with design of the WTP and included measures to prevent quagga mussel infestation of the new pipeline. To complete the pipeline and prevent future disturbance, Entellus will also design the north half street improvements of Elliot Road from Signal Butte Road to Mountain Road. The roadway includes three through lanes in each direction, bike lanes, a raised median, curb, gutter, sidewalk, street lights, signing, striping, landscaping and irrigation.

VAL VISTA WATER TRANSMISSION MAIN PHASE 3, MESA, AZ

Project Engineer - Entellus designed and provided construction phase services for the Val Vista Water Transmission Main, Phase 3. As part of this project, Entellus designed more than one mile of a 16-inch waterline to feed the new transmission main directly from City Well 27. The alignment of the 16-inch waterline needed to go through a heavily traveled intersection. Entellus evaluated various alignment alternatives to develop an optimal alignment which minimized disruption to the public. Entellus coordinated with utility companies and resolved all conflicts prior to construction.





Bill is the Senior Vice President of Entellus and has spent over two decades working on transportation infrastructure projects. His broad technical background and extensive management experience is a key asset to his role as principal-in-charge, project manager, and quality assurance/quality control lead on many of our projects including transportation, water/wastewater, and drainage improvements. Bill is an effective communicator, skilled team-builder, and able to focus multi-disciplinary groups with varied backgrounds in order to successfully meet the expected project outcome on-time and within budget.

BILL LINCK, PE
Project Manager

3033 N 44th Street, #250, Phoenix, AZ 85018
 (602) 889-4449 linck@entellus.com

Years of Experience
22 / 20 at Entellus

Registrations
Professional Engineer, AZ
#35896

Education
Bachelor of Science, Civil
Engineering, Marquette
University

Professional Affiliations
American Public Works
Association (APWA)

Transportation-Related Projects _____

32ND STREET MULTI-USE PATH AND STREET IMPROVEMENTS, PHOENIX, AZ

Project Manager - Entellus developed a Design Concept Report (DCR) and completed final design plans for these improvements which aimed to provide connectivity from South Mountain Park to the Rio Salado path near the Salt River as part of the City's trail system. This project initially was limited to half street roadway improvements to include bike lanes and a 10-foot multi-use trail during the DCR phase. Final design included ultimate street improvements designed for five lanes with curb, gutter, sidewalks, ADA upgrades, drainage improvements, street lighting and traffic signals, in addition to the bike lanes and 10-foot multi-use trail. Our team assisted the City in extensive right-of-way and utility coordination including SRP Irrigation and Electric relocations.

COOPER ROAD IMPROVEMENTS (OCOTILLO ROAD TO RIGGS ROAD), CHANDLER, AZ

Project Manager - Entellus was retained to complete design for approximately 1.75 miles of roadway. Improvements will upgrade undeveloped sections of Cooper Road to the City's minor arterial section and include roadway widening, sidewalk, bike lanes, drainage improvements, street lighting/traffic signals, completion of City utility systems, and private irrigation. As part of the design, Entellus will review existing conditions and ensure ADA guidelines are met. Construction will be completed with federal funding and plans will be phased based on anticipated funding availability. Bill is responsible for overall project management, overseeing the roadway/drainage design, right-of-way acquisition, and has attended several public hearing meetings.

MESA DRIVE AND SOUTHERN AVENUE INTERSECTION IMPROVEMENTS, MESA, AZ

Project Manager - Our team designed the intersection of Mesa Drive and Southern Avenue which is located approximately one half mile north of U.S. 60. These improvements provided capacity and access for multi-modal users through the intersection. The project was a CMAR, requiring a significant amount of coordination with the contractor. The corridor serves as a gateway to downtown Mesa and included enhanced pedestrian amenities, artistic entry monuments, decorative bus shelters and enhanced landscaping and hardscaping. Entellus also assisted the City with right-of-way acquisition from more than 70 parcels.

CAP RAW WATER PIPELINE AND ROADWAY DESIGN , MESA, AZ

Project Principal - Designed more than 3 miles of 54" raw water pipeline from the CAP Canal turnout structure to the City's new Signal Butte Water Treatment Plant (WTP). The design was coordinated with design of the WTP and included measures to prevent quagga mussel infestation of the new pipeline. To complete the pipeline and prevent future disturbance, Entellus will also design the north half street improvements of Elliot Road from Signal Butte Road to Mountain Road. The roadway includes three through lanes in each direction, bike lanes, a raised median, curb, gutter, sidewalk, street lights, signing, striping, landscaping and irrigation.

WEST ANTHEM WATER AND SEWER IMPROVEMENTS, PHOENIX, AZ

Project Manager - The City retained Entellus to complete a Basis of Design Report for the proposed water and sewer improvements required to provide services to the West Anthem area. The improvements include approximately five miles of gravity sewer and force mains, 1.5 miles of water transmission main, pump station upgrades and a new lift station. Following completion of the Basis of Design Report, Entellus will complete final design of all the water improvements and sewer improvements north of the lift station.





Breanna has more than 10 years of experience in the design, analysis, project coordination, and delivery of public infrastructure projects. Over the years, Bre's project assignments have taken all shapes and sizes; roadway geometrics and profiles, water and sewer mains, and drainage structures. She believes in cost-efficient designs, low-impact development, and is committed to collaborating with clients and stakeholders on finding creative ways to meet their needs.

BREANNA CONNOLLY, PE

Project Manager/Engineer

 3033 N 44th Street, #250, Phoenix, AZ 85018

 (602) 244-1669  bconnolly@entellus.com

Years of Experience

10 / 9 at Entellus

Registrations

Professional Engineer,
AZ #52606

Education

Bachelor of Science, Civil
Engineering, Arizona State
University

Professional Affiliations

American Public Works
Association (APWA)

Arizona Society of Civil
Engineers, Phoenix Branch,
Younger Members Forum

Arizona Society of Civil
Engineers, Phoenix Branch

Arizona Water Association

LAKE PLEASANT PARKWAY SIDEWALK, PEORIA, AZ

Project Manager - Entellus was retained to complete the segmented sidewalk along the west side of Lake Pleasant Parkway from Deer Valley Road to Happy Valley Road. Portions of the existing sidewalk were installed with the construction of developments in this area. The new sidewalk varies from five-feet to eight-feet in width, meets ADA standards and is detached from the curb wherever possible to provide a continuous pedestrian route. The inclusion of the sidewalk required the consideration of existing right-of-way, existing utilities, and existing drainage channels along the roadway. Breanna served as the Project Manager for these improvements.

MESA DRIVE AND SOUTHERN AVENUE PEDESTRIAN GREEN SPACE, MESA, AZ

Project Manager - Entellus developed grading and drainage plans for the Pedestrian Green Space park project, incorporated new survey information and existing and proposed utility information from the Mesa Drive and Southern Avenue plans to develop and complete an existing base drawing and civil proposed design for Corral Design Group.

COOPER ROAD IMPROVEMENTS, CHANDLER, AZ

Project Engineer - Entellus was retained to complete design for approximately 1.75 miles of roadway. Improvements will upgrade undeveloped sections of Cooper Road to the City's minor arterial section and include roadway widening, sidewalk, bike lanes, drainage improvements, street lighting/traffic signals, completion of City utility systems, and private irrigation. As part of the design, Entellus will review existing conditions and ensure ADA guidelines are met. Construction will be completed with federal funding and plans will be phased based on anticipated funding availability. Breanna led preliminary design for roadway geometrics and drainage design. She assisted in public outreach meetings to educate concerned residents on project purpose and efforts to minimize impacts to these residents.

NEIGHBORHOOD WATER MAIN REPLACEMENTS, PHOENIX, AZ

Project Manager - Entellus has provided design for the replacement of water mains and relocation of water services in various streets as part of the City of Phoenix Water Main Replacement Program since 2001. This has included approximately 30 projects with more than 350,000 linear feet of new 4-inch, 6-inch, 8-inch and 12-inch water main. Over 6,000 water service/meter installations and relocations were designed by our team as part of this program. These designs included appropriate valve spacing for operation and maintenance flexibility and installation of fire hydrants, providing fire protection with minimal impacts to residents and properties.

VAL VISTA WATER TRANSMISSION MAIN PHASE 3, MESA, AZ

Project Engineer - Entellus designed and provided construction phase services for the Val Vista Water Transmission Main, Phase 3. As part of this project, Entellus designed more than one mile of a 16-inch waterline to feed the new transmission main directly from City Well 27. The alignment of the 16-inch waterline needed to go through a heavily traveled intersection. Entellus evaluated various alignment alternatives to develop an optimal alignment which minimized disruption to the public. Entellus coordinated with utility companies and resolved all conflicts prior to construction.





Since starting at Entellus, Brian has worked on a combination of water resources and roadway design projects, making him a well-rounded engineer. His day-to-day responsibilities include technical design and analysis for projects ranging from roadway geometrics to hydrologic and hydraulic models. Brian has also assisted with field inspections, utility coordination, comment resolution, cost estimation, drafting of drainage reports, specifications and project assessments. He is capable in AutoCAD, Microstation and ArcGIS and has prepared exhibits, plan and profile sheets, utility laterals and roadway/retention basin cross sections.

BRIAN WILCOX, PE

Project Engineer

 3033 N 44th Street, #250, Phoenix, AZ 85018

 (602) 595-2970  bwilcox@entellus.com

Years of Experience

5 / 5 at Entellus

Registrations

Professional Engineer, AZ
#64944

Education

Bachelor of Science, Civil
Engineering, Arizona State
University

COOPER ROAD IMPROVEMENTS (OCOTILLO ROAD TO RIGGS ROAD), CHANDLER, AZ

Project Engineer - Entellus was retained to complete design for approximately 1.75 miles of roadway. Improvements will upgrade undeveloped sections of Cooper Road to the City's minor arterial section and include roadway widening, sidewalk, bike lanes, drainage improvements, street lighting and traffic signals, completion of City utility systems, and private irrigation. As part of the design, Entellus will review existing conditions and ensure ADA guidelines are met. Construction will be completed with federal funding and plans will be phased based on anticipated funding availability.

VAL VISTA WATER TRANSMISSION MAIN PHASE 3, MESA, AZ

Project Engineer - Designed more than one mile of a 16-inch waterline to feed a new transmission main directly from City Well 27. The waterline alignment needed to go through a heavily-travelled intersection. Entellus evaluated various alignment alternatives to develop an optimal solution which minimized disruption to the public. Entellus also coordinated with utility companies and provided construction phase services after design.

OCOTILLO ROAD IMPROVEMENTS (ARIZONA AVENUE TO MCQUEEN ROAD), CHANDLER, AZ

Project Engineer - Entellus acted as the City's representative and oversaw the pre-construction and construction phase for this federally-funded two to four lane arterial roadway widening and public utility project. Improvements included both utility and roadway crossings of a UPRR Railroad, a bridge widening atop SRP's Consolidated Canal, designated flushing assembly for a 24" water transmission main, installation of a 2,100 LF of 12" reclaimed waterline, new waterline connections for future development along the right-of-way, construction of private irrigation canals and irrigation piping to serve existing agricultural land, extension of a 12" sanitary sewer along with new sewer manholes and sewer laterals, construction of catch basins, and a 30" storm drain system to handle street drainage.

LAYTON LAKES SEWER FORCE MAIN REHABILITATION & DESIGN, GILBERT, AZ

Project Engineer - Conducted a feasibility study for the rehabilitation and reconstruction of the Layton Lakes dual Force Mains (14" & 18" concrete-lined DIP) which convey flows over approximately 13,500 linear feet. Five pipe rehabilitation/reconstruction technologies were assessed including HDPE slip-lining, cured in-place pipe (CIPP), new PVC, new HDPE replacement and pipe-bursting. The results from this study led to the recommendation of a combination of replacement (approximately 1,466 linear feet) and rehabilitation (approximately 10,643 linear feet) for a total of 12,109 linear feet or approximately 2.3 miles.

ROESER ROAD, PHOENIX, AZ

Project Engineer - Currently completing the design for this federally-funded roadway project which includes one vehicular lane and one bicycle lane in each direction. The improvements include new curb and gutter, driveways and sidewalks. In areas where the street is already improved, sidewalks, handicap ramps and driveways will be upgraded as-needed to meet the City standards and the Americans with Disabilities Act (ADA) guidelines. In addition to hardscape, this project will also address drainage, signing and striping, street lighting, and landscaping and irrigation.





Chris is the GIS Manager at Entellus and has worked on many planning and design projects, specializing in local infrastructure improvements. Chris has experience with GIS mapping applications creating, analyzing, and visualizing spatial and tabular datasets. He has the expertise to develop maps, cartographic renderings, animations, and illustrations that are utilized to effectively communicate technical information to a wide range of stakeholder and public audiences. Some of his achievements include presenting at various conferences and being published in Arizona Water Pollution Control Association - Newsletter V.23 No.5 "GIS Drainage Master Planning" and American Public Works Association.

CHRIS CHRISTENSEN, MAS-GIS

GIS Manager



3033 N 44th Street, #250, Phoenix, AZ 85018



(602) 244-0187



cchristensen@entellus.com

Years of Experience

16 / 16 at Entellus

Education

Master of Science,
Geographic Information
Systems, Arizona State
University

Bachelor of Science,
Computer Visualization
Technology, ITT

SANTA CRUZ RIVER MASTER PLAN, PINAL COUNTY

GIS Manager - The Santa Cruz River Master Plan performed various analyses on the Lower Santa Cruz River watershed with a focus on discovery, watershed wide analyses and presentation of the findings. Some of the results of this study were utilized to help Pinal County receive funding from the Army Corps of Engineers for additional analyses.

COUNTYWIDE AREA DRAINAGE MASTER PLAN, PINAL COUNTY

GIS Manager - Pinal County retained Entellus for professional engineering services to produce the County Wide Area Drainage Master Plan (ADMP) for 21 watersheds within Pinal County. As part of the project Entellus prepared an Existing Facilities Inventory illustrating the location of over 10,000 major man-made drainage facilities (including dams, stock ponds, culverts, bridges, wet crossings and others) in the watershed. Exhibits included all culverts and storm drains under public roads, large man-made runoff conveyance facilities, and large non-drainage facilities that affected drainage patterns (irrigation canals, railroads, etc.)

STORM DRAIN MASTER PLAN, MESA, AZ

GIS Manager - Entellus was contracted by the City of Mesa to update the City's SDMP covering more than 120 square miles. This included the development of City-wide linked hydrologic models, hydraulic analysis and modeling for all major storm drains. This project used GIS to identify overall location for MS4 permit. The final plan included an interactive format to help navigation and updatable deliverables that can be modified by City staff. An Implementation Plan over the next 10 years was also established. The large size of the Mesa SDMP caused several difficulties with the quantity of available data. On top of that, the data, in particular the elevation data, was not always on the same horizontal or vertical datum.

EAST MESA ADMPU, MARICOPA COUNTY

GIS Manager - This project involved a 58 sq. mile Area Drainage Master Plan. Scope of work included creating alternatives to co-locate a channel with a new SRP 230kV power transmission line. Hydrologic analyses and hydraulics were performed as well as hydraulic modeling on the Powerline Floodway to assess the ability of that structure to convey the flows established in the updated hydrology. Work included the graphical representation of hydrologic and hydraulic modeling results, the presentation of alternative analyses to the FCDMC, the City of Mesa and the Town of Queen Creek as well as to the SRP. GIS was used to perform various data analyses that were spatially relative, such as the extent of impacts on properties of potential infrastructure or the cost of potential properties due to property acquisition needs.

ELOY INDUSTRIAL PARK ANALYSIS, PINAL COUNTY, AZ

GIS Manager - This project looked to establish the 100-year flows for an industrial park between the I-10 and SR387 in Eloy and re-delineate the existing FEMA floodplains for the area. The scope of work consisted of a hydrologic analysis on a 266-square-mile watershed, a Bulletin 17b stream gage analysis for the large Santa Cruz River contributing flow, and a controversial split flow that our team analyzed using FLO-2D. Hydrologic models were created to determine peak flows for the 100-year, 50-year, 25-year, 10-year, 5-year and 2-year recurrence interval storms.





As Survey Manager, Dan is responsible for coordination of work and supervision of field crews, office personnel, and project management including estimating and scheduling. He has extensive experience in a wide range of survey activities, specializing in control work ranging from large GPS surveys for aerial control to intricate checks of steel column layout. He has worked on boundaries for private developers, easements and rights-of-way for utility companies and municipalities, annexations for municipalities, and higher order surveys for airports, roadways, industrial parks, shopping centers, and various other private and commercial developments.

DAN FRANCTIC, RLS, CFEDS

Project Engineer



3033 N 44th Street, #250, Phoenix, AZ 85018



(602) 889-4452



dfrancetic@entellus.com

Years of Experience

24 / 10 at Entellus

Registrations

Land Surveyor,
AZ #33874

Certified Federal Surveyor,
#1090

Education

Bachelor of Science, Civil
Engineering, Arizona State
University

ON-CALL MULESHOE ROAD AND ROBERTS ROAD, PINAL COUNTY

Survey Manager - As a part of an On-call Surveying and Civil Engineering contract, Entellus was retained by Pinal County to provide survey control and base mapping services for two County roads scheduled for improvements. The first survey demanded a "fast track" schedule for the base mapping of Muleshoe Road from Broadway Avenue to Apache Drive. Components of work involved bringing in horizontal and vertical survey control, researching existing rights of way, property ownership delineation, locating adjoining driveways and structures, and detailing existing drainage features. Deliverables were a 20-scale design-ready AutoCAD file, a three-dimensional AutoCAD file along with secondary T.I.N. and XML surface models, and pertinent field data including OPUS GPS observation data sheets, digital level field notes, and digital photos of the site.

PECOS ROAD IMPROVEMENTS, CHANDLER, AZ

Survey Manager - The City of Chandler retained Entellus to perform engineering design related services for the widening of Pecos Road from McQueen Road to Emmett Road, and Cooper Road from the Santan Freeway to the Consolidated Canal. Entellus' scope of survey services included establishing horizontal and vertical control points both for the project and for aerial mapping control, performing topographic surveys and mapping, preparing results-of-survey drawings, and the preparation of legal descriptions for right-of-way takes, SRP easements and temporary easements for construction.

CITY HALL SURVEY, APACHE JUNCTION, AZ

Survey Manager - The project included performing a boundary survey of the subject premises showing all easements, utilities, and rights-of-way affecting the Property. An extensive amount of research was done at both the County and state levels as the land was formerly owned by the Arizona State Land Department. Utility information obtained through research or provided by the City was also included in the deliverable. Elevations and all physical features on the property, including buildings, fences, pavement, and sidewalks were either field located by Entellus or picked-up through aerial mapping as provided by Entellus' sub-consultant.

ALMA SCHOOL ROAD AND CHANDLER BOULEVARD INTERSECTION IMPROVEMENTS, CHANDLER, AZ

Survey Manager - Entellus was retained by Kimley-Horn and Associates to provide topographic survey, right-of-way and legal descriptions for an intersection widening and improvement project. The improvements included new asphalt pavement, continuous curb and gutter, raised median, sidewalks, bus bays, water and waste water pipe installation and/or replacement, street drainage, retention basins, street lights and traffic signals at the intersection.

BENCHMARK VERIFICATION, NGS VERIFICATION SURVEY, PINAL COUNTY

Survey Manager - Entellus recovered and surveyed 90 National Geodetic Survey (NGS) benchmarks throughout the County to assess them as potential benchmarks. GPS measurements were taken on each monument utilizing real-time kinematic (RTK) survey methods or static GPS work processed utilizing NGS' Online Positioning User Service (OPUS) software. This data was compared to the record NGS data to determine if the monument was stable enough to use as a benchmark. Photos, sketches, and notes on access, stability, and site visibility were all obtained, with all information presented to the County in report format.





Dustin has proven skills in all phases of design and construction with specific expertise in municipal and Arizona Department of Transportation projects, including highway and local street improvements, stormwater facilities, ADA-compliance, and utility coordination. His construction experience includes on-site inspection, RFI responses, shop drawing reviews, pay application reviews and construction administration. Dustin's construction knowledge brings a critical perspective to the design process which will serve as an asset to our team.

DUSTIN BONAR, PE

Project Engineer

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Years of Experience

6 / 2 at Entellus

Registrations

Professional Engineer, AZ
#61200

Education

Bachelor of Science, Civil
Engineering, Northern
Arizona University

32ND STREET MULTI-USE TRAIL AND STREET IMPROVEMENTS (BROADWAY ROAD TO SOUTHERN AVENUE), PHOENIX, AZ

Project Engineer - The goal of this project was to provide connectivity from South Mountain Park to the Rio Salado path near the Salt River as part to the City's trail system. Entellus first developed a Design Concept Report (DCR) and then completed final design plans for the proposed improvements. This project initially was limited to half street roadway improvements to include bike lanes and a 10-foot multi-use trail during the DCR phase. Final design included ultimate street improvements designed for five lanes with curb, gutter, sidewalks, ADA upgrades, drainage improvements, street lighting, and traffic signals, in addition to the anticipated bike lanes and 10-foot multi-use trail. As part of the design, Entellus assisted the City in extensive right-of-way and utility coordination including SRP Irrigation and Electric relocations. Additionally, an environmental evaluation was completed which required archaeological monitoring during construction. Dustin assisted with the design and project assessment for this project.

COOPER ROAD IMPROVEMENTS (OCOTILLO ROAD TO RIGGS ROAD), CHANDLER, AZ

Project Engineer - Entellus was retained to complete design for approximately 1.75 miles of roadway. Improvements will upgrade undeveloped sections of Cooper Road to the City's minor arterial section and include roadway widening, sidewalk, bike lanes, drainage improvements, street lighting and traffic signals, completion of City utility systems, and private irrigation. As part of the design, Entellus will review existing conditions and ensure ADA guidelines are met. Construction will be completed with federal funding and plans will be phased based on anticipated funding availability. Dustin completed the initial project assessment and set up the project schedule. He also assisted in the preliminary roadway geometrics and drainage.

BUCKEYE ROAD IMPROVEMENTS, PHOENIX, AZ

Project Engineer - Entellus designed pedestrian improvements along the south side of Buckeye Road from Central Avenue to 16th Street. The improvements included new sidewalk, handicap ramps, driveways and bus shelters. New curb and gutter were designed in areas where it did not exist. The improvements provided ADA access throughout the corridor and allowed multi-modal use. The proposed right-of-way and easement acquisitions were also required as well as the relocation of existing utilities. Dustin assisted in the plan review of the 100% and final submittals.

ELLIOT ROAD IMPROVEMENTS, MESA, AZ

Project Engineer - Entellus was hired by the City of Mesa to design more than 3 miles of 54" raw water pipeline from the CAP Canal turnout structure to the City's new Signal Butte Water Treatment Plant (WTP) and roadway design to access the new pipeline. The design is to be coordinated with design of the WTP and include measures to prevent quagga mussel infestation of the new pipeline. To complete the pipeline and prevent future disturbance, Entellus also designed the north half street improvements of Elliot Road from Signal Butte Road to Mountain Road. The roadway was designed to 3 through lanes in each direction, bike lanes, a raised median, curb, gutter, sidewalk, street lights, signing, striping, landscaping and irrigation. The design also included landscape and hardscape aesthetic improvements on the north side of Elliot Road along the WTP for a future park site. Dustin assisted in roadway geometrics, drainage and utility coordination. He also assisted in the striping and signage design.





Hernan has over 27 years of experience analyzing, designing and managing drainage projects. He specializes in desert hydraulics and the calibration of models to accurately represent drainage conditions. Hernan has successfully managed and completed numerous FEMA floodplain delineations, drainage master plans and drainage infrastructure design projects utilizing state-of-the-art tools. He has also helped the development of drainage design criteria manuals and regulations for several agencies and is familiar with Low Impact Development (LID) features and regulations. Hernan's expertise provides projects with a solid understanding of the principles that govern the movement of water, both overland and pressurized systems alike.

HERNAN ARISTIZABAL, PE, CFM

Project Manager/Engineer

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Years of Experience

27 / 24 at Entellus

Registrations

Professional Engineer,
AZ #29737
Certified Floodplain
Manager #US-04-01298

Education

Bachelor of Science,
Agricultural and Irrigation
Engineering, Utah State
University

Masters of Science,
Civil and Environmental
Engineering, Utah State
University

STORM DRAIN MASTER PLAN, MESA, AZ

Project Manager - This project included 120-square miles of Storm Drain Master Plan that utilized three separate HEC-1 models prepared by other consultants and combined them to provide a single model. Scope of work included integrating information from previous studies, development of a consistent hydrology model for the City, modeling of storm drains, developed and analysis of alternatives, implementation plan, identification of outfalls for MS4 permit implementation. The final plan included an interactive paper format to help navigation and updatable deliverables that can be modified by City staff as portions of the plan are implemented or conditions change. Implementation Plan over the next 10 years.

COUNTY-WIDE AREA DRAINAGE MASTER PLANS, PINAL COUNTY

Project Manager - Pinal County retained Entellus for professional engineering services necessary to produce the County-Wide Area Drainage Master Plan (ADMP) for 21 watersheds within Pinal County. As part of the project Entellus prepared an Existing Facilities Inventory illustrating the location of over 10,000 major man-made drainage facilities (including dams, stock ponds, culverts, bridges, wet crossings and others) in the watershed. Entellus created a GIS overlay for the County identifying zones of special flood hazard types. Special flood hazards included ponding areas and areas downstream from embankments (potential embankment failure) and recommended further evaluation.

STORM DRAIN MASTER PLAN, PEORIA, AZ

Technical Advisor - Scope of work included adapting the existing hydrologic model to meet the requirements of the project, facility inventory and evaluation, identification of drainage deficiencies, prioritization of issues, development of alternatives, and implementation plan. Through the data collection process 51 drainage issues were identified in the project area. From these, a prioritization was created and it was determined that 16 should be evaluated further in the alternatives analysis process. The proposed alternatives addressed both local and regional flooding concerns.

FLOOD PLAIN DELINEATION, MOUNTAIN VIEW ESTATES, PINAL COUNTY

Project Manager - Re-delineated several washes within the area immediately South and West of the Interstates 10 and 8 intersection. This included detailed hydrologic analysis, HEC-RAS modeling, Public meetings with residents, development of elevation certificates, and FEMA submittal. The project included modeling of the culvert under Interstate I-8, and several miles of shallow wide channels with multiple man-made structures such as road embankment, fences, and residences.

MOUNTAIN VIEW ESTATES, PINAL COUNTY, AZ

Project Manager - Entellus was retained by Pinal County to re-delineate several washes within the area immediately south and west of the Interstates 10 and 8 intersection. This included detailed hydrologic analysis, HEC-RAS modeling, public meetings with residents, development of elevation certificates, and FEMA submittal. The project included modeling of the culvert under Interstate 8, and several miles of shallow, wide channels with multiple man-made structures such as road embankment, fences, and residences.





Over the past 13 years, Martin has been responsible for the design and management of an extensive range of water/wastewater projects at all stages of development, for many different agencies. He also has experience in the master planning, design and construction of water treatment, production, pumping, transmission, storage facilities, wastewater treatment, conveyance and reuse facilities. He will develop creative solutions any assignments with alternatives to save time and money.

MARTIN WEEDEN, PE

Project Manager/Engineer

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Years of Experience

13 / 3 at Entellus

Registrations

Professional Engineer,
AZ #51372

Education

Bachelor of Science,
Civil/Environmental
Engineering, Arizona State
University

VAL VISTA WATER TRANSMISSION MAIN PHASE 3, MESA, AZ

Project Engineer - Entellus designed and provided construction phase services for the Val Vista Water Transmission Main, Phase 3. As part of this project, Entellus designed more than one mile of a 16-inch waterline to feed the new transmission main directly from City Well 27. The alignment of the 16-inch waterline needed to go through a heavily traveled intersection. Entellus evaluated various alignment alternatives to develop an optimal alignment which minimized disruption to the public. Entellus coordinated with utility companies and resolved all conflicts prior to construction.

WEST ANTHEM WATER & SEWER IMPROVEMENTS, PHOENIX, AZ

Project Engineer - City retained Entellus to complete a Basis of Design Report for the proposed water and sewer improvements required to provide services to the West Anthem area. The improvements include about five miles of gravity sewer and force mains, 1.5 miles of water transmission main, pump station upgrades and a new lift station. Following completion of the Basis of Design Report, Entellus will complete final design of all the water improvements and sewer improvements north of the lift station.

LAYTON LAKES SEWER FORCE MAIN REHABILITATION & DESIGN, GILBERT, AZ

Project Manager - Conducted a feasibility study for the rehabilitation and reconstruction of the Layton Lakes dual Force Mains (14" & 18" concrete-lined DIP) which convey flows over approximately 13,500 linear feet. Five pipe rehabilitation/reconstruction technologies were assessed including HDPE slip-lining, cured in-place pipe (CIPP), new PVC, new HDPE replacement and pipe-bursting. The results from this study led to the recommendation of a combination of replacement (approximately 1,466 linear feet) and rehabilitation (approximately 10,643 linear feet) for a total of 12,109 linear feet or approximately 2.3 miles.

INTEGRATED WATER MASTER PLAN, COTTONWOOD, AZ

Project Manager - Our team developed an integrated water, sewer and wastewater treatment master plan for the City of Cottonwood. The plan included detailed hydraulic modeling, demand factor development for current and future uses utilizing the latest zoning maps and general plan projections. Using GIS mapping, a preliminary water and sewer system database was developed as well. Ultimate CIP costs were also developed for key infrastructure including current inadequacies in the system as well as future needs for ultimate build-out.

CONCRETE RESERVOIR ASSESSMENT AND REPAIR, PHOENIX, AZ

Project Manager - Performed full site and reservoir condition assessments for Deem Hills (15MG), Happy Valley (5MG), and 64th St. #1 (20MG) for the City of Phoenix as part of their Reservoir Maintenance Program. This project included the full inspection and condition assessment of all equipment and facilities on-site as well as float-down and dry inspections of Deem Hills (4A-ES5) and 64th St. #1 (1-ES1). Condition assessment involved civil, structural, and electrical engineering disciplines as well as several other subcontractors and JOC contractors all being coordinated and directed to complete critical inspections and repairs within a strict and very limited shut-down schedule. As part of this work, our team also was required to perform leak tests and various other special inspections to determine the condition of the existing reservoir and prepare a comprehensive report including costs.





Mike leads Entellus' Development Services team and is responsible for the successful design, management, and execution of all projects. His drainage background, along with his comprehensive knowledge of the land development process gained on projects ranging from 1 acre to over 1,000 acres in size, allows him to see the "big picture." As a result, he proactively guides clients through the development process. He understands that one size does not fit all and strives to look beyond the status quo to develop creative solutions tailored to project challenges and client needs.

MIKE GLEASON, PE

Project Manager



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mgleason@entellus.com

Years of Experience

17 / 2 at Entellus

Registrations

Professional Engineer, AZ
#40975

Education

Bachelor of Science, Civil
Engineering, Arizona State
University

ESTRELLA MASTER PLANNED COMMUNITY, NEWLAND, GOODYEAR, AZ

Project Manager - Designed multiple residential parcels (approximately 350 lots) within this 20,000-acre master planned community. Scope of work includes going through the pre-application, preliminary design/preliminary plat, final design/final plat, and improvement plan processes. Our team also designed a water master plan, three lift stations, and 12" and 16" waterlines.

SONORAN CROSSING, MACERICH, PHOENIX, AZ

Project Manager - Designed off-site infrastructure for this 106-acre mixed use development on the northeast corner of I-17 and Dove Valley Road. Improvements included 4,000 feet of ADOT frontage road, 3,000 feet of 32nd Avenue, 600 feet of Long Shadow Trail, 3,800 feet of Dove Valley Road, storm drain, box culverts, low flow crossing, water line, sewer line, force main, lift station, and final plat. In addition, a Letter of Map Revision (LOMR) for CAP Wash East and Skunk Creek was completed. Coordination with ADOT, the City of Phoenix, and Arizona State Land was required. Mike completed this project while working at another firm.

TRILOGY AT VISTANCIA MASTER PLANNED COMMUNITY, PEORIA, AZ

Project Manager - Scope of work included generating improvement plans, Storm Water Pollution Prevention Plans, grading, paving, water, sewer, drainage design, coordination with adjacent arterial and collector roadways for proper access, roadway ties-in points, and utility-in points. In addition, scopes, proposals, budgets, and project projections were prepared. Our team also provided weekly project reports to team members to track project status and percent complete. This required excellent communication and coordination between multiple teams completing designs and plans simultaneously to meet the client's aggressive schedule.

RED ROCK SOLAR, MCCARTHY BUILDING COMPANIES, PINAL COUNTY, AZ

Project Manager - Provided services for this 40MW 400-acre solar plant located east of I-10, south of Red Rock. Scope of work included site layout, grading and drainage plans, and navigating through the Pinal County approval process. This project was on a fast track schedule in order to meet the customer's power delivery deadline. In addition, minimizing the amount of dirt moved around the project site and providing erosion control with existing material onsite contributed to achieving a cost effective design.

FALCON RIDGE, MARICOPA COUNTY, AZ

Project Manager - This 179-lot subdivision is situated on approximately 55 acres and includes half street improvements for three collector roads and one arterial road. This project is currently under design and at the Preliminary Plat stage.

FALCON VIEW II, MARICOPA COUNTY, AZ

Project Manager - This 21-lot subdivision is situated on approximately 9 acres and serves as a second phase to Falcon View and includes half street improvements for one collector street. The plans for this project are currently in for review.





Ryan's abilities are diverse with roles ranging from project management, technical reviewer to hydraulic and design engineer. With a Master's degree in Civil and Environmental (Water Resources) Engineering, Ryan is always ahead of the curve with the use of innovative technologies. He is skilled in the application and use of hydrologic and hydraulic models, and he can effectively and efficiently utilize the proper tools to successfully complete many different types of projects. His expertise lies in culvert and channel design, roadway improvements, floodplain delineation, water distribution modeling, hydraulic and hydrologic modeling, aerial mapping verification, and master plans and studies.

RYAN SAUER, PE, CFM, MSE

Project Manager/Engineer

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Years of Experience

16 / 16 at Entellus

Registrations

Professional Engineer,
AZ #246866
Certified Floodplain
Manager #US-05-01709

Education

Bachelor of Science,
Civil Engineering, Arizona
State University

Masters of Science,
Civil and Environmental
Engineering, Arizona State
University

Bachelor of Arts, Spanish,
Arizona State University

COUNTY-WIDE AREA DRAINAGE MASTER PLANS PINAL COUNTY

Project Engineer - Pinal County retained Entellus for professional engineering services necessary to produce the County Wide Area Drainage Master Plan (ADMP) for 21 watersheds within Pinal County. As part of the project Entellus prepared an Existing Facilities Inventory illustrating the location of over 10,000 major man-made drainage facilities (including dams, stock ponds, culverts, bridges, wet crossings and others) in the watershed. Entellus created a GIS overlay for the County identifying zones of special flood hazard types. Special flood hazards included ponding areas and areas downstream from embankments (potential embankment failure) and recommended further evaluation.

67TH AVENUE AND PINNACLE PEAK DRAINAGE STUDY, PEORIA, AZ

Project Manager - Entellus conducted a drainage study which consisted of identifying local solutions which could be designed quickly and inexpensively to help improve the drainage situation throughout the project area, as well as develop the long-term regional drainage solution to mitigate the 100-year flood event. Field interviews were held with residents that allowed them to be heard and feel like their concerns were being taken seriously. This helped with the public perception that the City was "doing something" to help them. These interviews yielded invaluable information regarding flooding that allowed us to validate the two-dimensional hydraulic models.

STORM DRAIN MASTER PLAN, PEORIA, AZ

Project Manager/Lead Project Engineer - Updated the City's storm drain master plan for 56 square miles. This included updating the hydrology, filling in gaps and correcting errors in the City's GIS data for the storm drain with custom GIS tools. Entellus identified 51 drainage problem locations and performed a prioritization to determine the 16 most important locations to analyze. Alternatives were developed that addressed local and regional flooding and the final plan utilized realistic budget forecasts, addressed political "hot-buttons" in a timely fashion and identified phased implementation options to avoid "throw-away" infrastructure.

ELOY INDUSTRIAL PARK ANALYSIS, PINAL COUNTY

Project Manager - The Eloy Industrial Park Analysis looked to establish the 100-year flows for an industrial park between the I-10 and SR387 in Eloy and re-delineate the existing FEMA floodplains for the area. Building on the results from the Santa Cruz River Master Plan, this floodplain delineation in Eloy modified decade-old approximate delineations. The main purpose was to accurately depict the existing flood hazards so that new development in this industrial park could build with confidence. It has been approved by FEMA and currently is in the PMR phase due to the size of the delineation performed.

ARIZONA CITY DRAINAGE SOLUTION CONCEPT REPORT, PINAL COUNTY

Project Manager - Entellus was retained by Pinal County to develop a drainage Design Concept Report (DCR) for Arizona City. The DCR addresses the severe drainage deficiencies affecting this community. As part of this DCR, Entellus developed a drainage concept that includes a combination of basins and channels. This system will greatly improve the conditions in the area. We are in the process of designing the first phase of this DCR which consist of a 260-acre foot regional basin and several channels to direct flow to the basin.








As President of Entellus, Tim directs all operational functions of the firm while serving as Principal on many of our projects. He has over 30 years of experience leading design teams and serving as a Senior Project Manager on various public and private improvement projects. Tim's ability to plan ahead and approach a project in a way that others might not have thought of is an asset to our clients and staff. His expert leadership and mantra to 'keep projects moving forward, on-time and within budget' have helped Entellus build a reputation for quality work and excellent customer service.

TIM CRALL, PE, LEED AP, AVS

Project Principal

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 (602) 889-4454  tcrall@entellus.com

Years of Experience

31 / 13 at Entellus

Registrations

Professional Engineer, AZ
#22861

Associate Value Specialist
(AVS) #201601124

Education

Bachelor of Science, Civil
Engineering, Tri-State
University

Professional Affiliations

Valley Partnership, Arizona -
City and County Committee

Urban Land Institute (ULI),
Arizona - Program Committee
Senior Executives Institute
(SEI)

American Council of
Engineering Companies
(ACEC) – Executive
Committee: Land
Development Coalition

FLOOD RECOVERY COLLECTIVE REPORT, PHOENIX, AZ

Project Principal - The City of Phoenix retained Entellus to prepare a Flood Recovery Collective report. As part of this project, our team collected all the information on the efforts the City undertook to recover, from the 2014 floods. This required coordination with the FCDMC, ADEM, FEMA and various City departments including the Street and Transportation Department, Floodplain, Emergency Services, and Parks.

LAYTON LAKES FORCE MAIN REHABILITATION, GILBERT, AZ

Project Principal - Entellus conducted a feasibility study for the rehabilitation/reconstruction of the Layton Lakes Dual Force Mains (14" & 18" concrete-lined DIP) which convey flows over approximately 13,500 linear feet. Four pipe technologies were assessed including HDPE slip-lining, Cured-In-Place-Pipe (CIPP), new PVC and HDPE replacement. The results from this study led to the recommendation of a combination of replacement (approximately 1,466 linear feet) and rehabilitation (approximately 10,643 linear feet) for a total of 12,109 linear feet, or approximately 2.3 miles.

PECOS ROAD IMPROVEMENTS (DOBSON TO MCQUEEN ROAD), CHANDLER, AZ

Project Principal - The improvements for this project included new asphalt pavement, continuous curb and gutter, sidewalk, bus bays, street lights, traffic signals, landscaping, irrigation, a reclaimed water and potable water lines. Our team prepared a Design Concept Memorandum and alignment study. This project also included the construction of approximately two miles of theme walls along existing development. Our team, along with City staff, met with residents to establish the various aesthetic treatments. Coordination involved public and private utility design, storm drain improvements, public and stakeholder meetings incorporating private development project limits.

CHANDLER FIRE STATION NO. 1, CHANDLER, AZ

Project Principal - Provided design and construction phase support services for the recently relocated Fire Station No. 1, east of McQueen Road on Pecos Road. The project included general population access, apparatus egress, new dedicated mid-block emergency signal, utility extensions, grading and drainage and paving improvements.

WESTWORLD EQUIDOME EXPANSION, SCOTTSDALE, AZ

Project Principal - This project featured a 100,000 sq. ft. equidome enclosure; 200,000 sq ft North Hall and 40,000 sq ft South Hall; 1,100 linear ft. dual-cell box culvert; site drainage system; water/sewer system upgrades and extensive site improvements for access control, parking, and event venues. Entellus provided topographic surveys, site master planning, circulation planning, parking lots, RV space layout, grading and drainage, water and sewer system layout, approvals from Bureau of Reclamation and construction phase services.

DESERT BOTANICAL GARDENS MASTER PLAN IMPROVEMENTS, PHOENIX, AZ

Project Principal - Entellus helped design new entry areas and outdoor plazas, as well as provided additional engineering services including access road design, coordination with utility companies and the City of Phoenix, preparation of grading and drainage plans, horizontal control plans, field control survey, schematic layout, preliminary and final plan submittals, compliance with AASHTO criteria, quantity takeoff and cost estimates, specifications and contract documents, bid phase coordination, and construction administration for this 145-acre living museum.





Tim has over 19 years of experience in roadway and development design and highway/bridge construction administration and inspection. In addition to his civil project engineer experience, he has served as engineering design project manager on several large master planned communities. In addition to the residential and commercial land development, these projects encompassed designs for major arterial streets, parkways, and collector streets. Specific elements included grading and drainage, pavement marking and signing, water and sewer distribution system design, storm water management plans, construction details/specifications, material quantity and cost estimates and all associated reports.

TIM POE, PE Project Engineer

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Years of Experience

19 / 4 at Entellus

Registrations

Professional Engineer, AZ
#37881

Education

Bachelor of Science, Civil
Engineering, Arizona State
University

LONE MOUNTAIN PARKWAY DESIGN (EL MIRAGE ROAD TO BLACKSTONE DRIVE), PEORIA, AZ

Project Engineer - Entellus prepared a Design Concept Report (DCR) for the ultimate roadway and prepared final design and construction plans for Phase 1. The DCR established the horizontal alignment, identified all the stakeholders and incorporated them in the process, and addressed the environmental issues required to construct the roadway. The 3.5-mile route had several key stakeholders that influenced the final recommended horizontal and vertical alignments. The route crosses a major 500 kv APS/WAPA easement, intersects with and requires an interchange with SR Loop 303, crosses Arizona State Land designated for intense commercial/mixed use, crosses the Maricopa Water District's Beardsley Canal, crosses a wide expanse of land controlled by the LDS Church, located near a major sand and gravel operation, crosses the Aqua Fria River, crosses land controlled by BLM, crosses a CAP's recharge facility and tied seamlessly into a segment of roadway previously approved as part of a major commercial project developed by the Pedersen Group. Aside from the major constraints identified above, the terrain is difficult, access for future tie-in points had to be identified, the area is rich with cultural resources, and several wash crossings were identified as jurisdictional delineations under the Corps of Engineers 404 permitting process.

TRILOGY AT VISTANCIA MASTER PLANNED COMMUNITY, PEORIA, AZ

Project Engineer - Scope of work included generating improvement plans, Storm Water Pollution Prevention Plans, grading, paving, water, sewer, drainage design, coordination with adjacent arterial and collector roadways for proper access, roadway ties-in points, and utility-in points. In addition, scopes, proposals, budgets, and project projections were prepared. Our team also provided weekly project reports to team members to track project status and percent complete. This required excellent communication and coordination between multiple teams completing designs and plans simultaneously to meet the client's aggressive schedule.

WESTWIND PREPARATORY SCHOOL, NORTHERN CAMPUS, PHOENIX, AZ

Project Engineer - This project involved the addition of a gymnasium, classrooms, performing arts center, administration offices, play field and dormitories for 150 students. The site is located on two parcels owned by Westwind Children Services located in Phoenix, Arizona. Entellus was responsible for on-site improvements including driveway, parking spaces, grading and drainage facilities.

PLAN REVIEW OF GRADING/DRAINAGE AND STREET PAVING CONSTRUCTION ON-CALL SERVICES, PHOENIX, AZ

Plan Reviewer - As part of Entellus' On-Call Plan Review Services contract with the City of Phoenix, our team reviewed development submittals for compliance with current City regulations and standards. In 2014 and 2015, Entellus had two team members from our Phoenix office acting as in-house City reviewers performing grading and drainage, paving, and storm water management plan and master drainage report reviews. In total, we provided approximately 4,300 labor hours of in-house plan review during this time.



SAM Search Results
List of records matching your search for :

Search Term : entellus* inc*
Record Status: Active

ENTITY Entellus Inc	Status:Active
DUNS: 182564203 +4:	CAGE Code: 3D7X7 DoDAAC:
Expiration Date: Dec 11, 2018 Has Active Exclusion?: No Debt Subject to Offset?: No	
Address: 3033 N 44TH ST STE 250 City: PHOENIX State/Province: ARIZONA ZIP Code: 85018-7228 Country: UNITED STATES	
ENTITY ENTELLUS MEDICAL, INC.	Status:Active
DUNS: 017283879 +4:	CAGE Code: 54F10 DoDAAC:
Expiration Date: May 8, 2018 Has Active Exclusion?: No Debt Subject to Offset?: No	
Address: 3600 HOLLY LN N STE 40 City: MINNEAPOLIS State/Province: MINNESOTA ZIP Code: 55447-1286 Country: UNITED STATES	



Arizona State Board of Technical Registration

Firm Search Results

Name	City	State	Services/Discipline	Business Type	Registration Status
Entellus, Inc.	Phoenix	AZ	Surveying, Civil	Branch Registration	Active

1

New Search

Display Result: 10 ▼



Arizona State Board of Technical
Registration

[STATEWIDE POLICIES](#) [AGENCY POLICIES](#) [SITEMAP](#) [FACEBOOK](#)

Entellus, Inc.

Firm Information ▼

Firm Name: Entellus, Inc.
Firm Website: <http://www.entellus.com>
Firm Address: 3033 N. 44th Street #250
 Phoenix, Arizona 85018

Firm County Location: Maricopa
Firm Work Territory: [View Map](#)

Primary Contact: Katy Konik
Firm Phone: 602-244-2566
Firm Email: kkonik@entellus.com

Secondary Contact: Mike Bonar
Secondary Phone: 602-244-2566
Secondary Email: mbonar@entellus.com

Firm Description ▼

Firm Registrations and Certifications ▼

AZ UTRACS Number: **10344**
AZ UTRACS Renewal Date: 6/5/2020

DBE Certified: No
ACDBE Certified: No
SBC Registered: Yes

Firm Capabilities ▼

Work Category Name

Bridge Hydraulics Report
 Computer Aided Design and Drafting (CADD) Standards
 Design Documentation
 Erosion Control (Engineering Design Services)

Work Category Name

Roadway Design and Survey
 Roadway Design Report
 Traffic Control Plans