



**AMENDMENT NO. 2 TO PROFESSIONAL SERVICES AGREEMENT
CONSTRUCTION MANAGEMENT SERVICES
PRICE ROAD FRONTAGE ROAD SEWER REHABILITATION
Project No. WW2210.451**

Council Date: September 21, 2023 Item No.

THIS AMENDMENT NO. 2 ("Amendment No. 2") to the professional services agreement dated April 3, 2023 (the "Agreement") is made by and between the City of Chandler, an Arizona municipal corporation, ("City") and **Entellus, Inc.**, an Arizona corporation, ("Consultant"), on this ____ day of _____, 2023 ("Effective Date"). (City and Consultant may individually be referred to as "Party" and collectively referred to as "Parties").

RECITALS

- A. The Parties entered into the Agreement for: **Construction Management Services** ("Services") for the **PRICE ROAD FRONTAGE ROAD SEWER REHABILITATION** project.
- B. The Parties have determined that it is necessary and desirable for the Consultant to perform additional services for the City under the terms and conditions set forth in this Amendment No. 1 and the Agreement.

AGREEMENT

NOW, THEREFORE, in consideration of the premises and mutual promises contained in the Agreement and this Amendment No. 1, the Parties agree to amend and modify the Agreement as follows.

SECTION I – CONSULTANT’S SERVICES

The Consultant’s Services are modified as described in the Exhibit "A" attached to and made part of this amendment by reference.

SECTION II – PERIOD OF SERVICE

The Period of Service remains the same as described in the Agreement.

SECTION III – PAYMENT OF COMPENSATION AND FEES

The Fees are increased by \$538,717.11 and will be payable in accordance with Exhibit "B" attached to and made part of this amendment by reference, for a revised total not to exceed \$580,218.83.

SECTION IV – CONFLICT AMONG DOCUMENTS

The Agreement, this amendment, and any previous amendments constitute the complete agreement between the Parties concerning the subject matter of the Agreement and replace any prior oral or written communications between the Parties. If a conflict or ambiguity arises between the Agreement and this amendment, the instrument in the following order prevails and controls: (1) this amendment; (2) any previous Amendments from most recent to oldest; and (3) the Agreement.

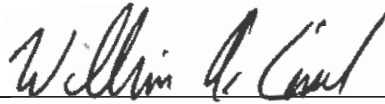
SIGNATURE PAGE TO FOLLOW

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment No. 2 to be duly executed. Each Party warrants and represents that its respective signatories whose signatures appear below have been and are on the date of signature duly authorized to execute this Amendment No. 2.

"CITY" CITY OF CHANDLER

**"CONSULTANT"
ENTELLUS, INC.**

MAYOR

 August 14, 2023
Signature Date

RECOMMENDED BY:



Digitally signed by Kimberly Moon
DN: C=US,
E=Kimberly.Moon@ChandlerAZ.gov, O=City of
Chandler, OU=Capital Projects Division,
CN=Kimberly Moon
Date: 2023.08.15 12:09:22-0700'

Kimberly Moon, P.E.
CIP City Engineer

William A. Linck, PE
Print Name

President & CEO
Title

linck@entellus.com
Signer Email Address

APPROVED AS TO FORM:

City Attorney



ATTEST:

City Clerk

Seal

Amendment No. 2 (cont.)
Project No. WW2210.451

These changes result in the following adjustments of Agreement amount and/or time:

Amendment authorized by Owner name: Jermaine Swinton		Date: 08/09/2023
Consultant email: linck@entellus.com , rubert@entellus.com , pyoung@entellus.com		
Original Agreement amount:	\$41,501.72	
Previous Amendment(s) total:	\$0	
Last Agreement amount approved by Council:	\$0	
This Amendment:	\$538,717.11	
This Amendment + previous Amendment(s) not approved by Council total:	\$538,717.11	
Revised Agreement total:	\$580,218.83	
Council Approval Required (yes indicates approval required)	Yes	No
Amendment(s) total over \$100,000:	☒	☐
Amendment(s) total causes Agreement to exceed \$100,000:	☒	☐
Agreement Time		
Agreement time prior to this Amendment (including previous amendments):	<u>560</u> Calendar Days	
Net change resulting from this Amendment:	<u>0</u> Calendar Days	
Revised Agreement time (including this Amendment):	<u>560</u> Calendar Days	
Council Approval (if applicable)		
Council Approval Date: <u>September 21, 2023</u> Item No. _____		

cc: Project Manager, Consultant, Owner, File



EXHIBIT "A"

CONSTRUCTION MANAGEMENT SCOPE OF SERVICES

PROJECT TASKS

1. PRE-CONSTRUCTION ASSISTANCE

A. Task 1.1 Preconstruction Assistance

- i. Consultant must attend the pre-construction meeting.
- ii. Consultant must attend the pre-construction public meeting.

2. CONSTRUCTION MANAGEMENT

A. Task 2.1 Weekly Construction Meetings

- i. Consultant must conduct weekly construction meetings. Each meeting includes agenda and minutes; Request for Information (RFI); Shop Drawing; Request for Information (RFI); Field Directive (FD); Material Certification; and Allowance Logs. Consultant assumes 43 weekly meetings will be held.

B. Task 2.2 CPM Schedule

- i. Consultant must review and evaluate Contractor's initial CPM schedule and provide recommendations for acceptance.
- ii. Consultant must review Contractor's monthly CPM schedule updates submitted with each payment application, identify CPM tasks behind schedule that may affect critical path items, project substantial and final completion dates and initiate correspondence to City regarding those tasks. Consultant assumes 10 reviews of updated CPM schedule.

C. Task 2.3 Requests for Information (RFI's)

- i. Consultant must review, evaluate, and respond to Contractor Requests for Information (RFI's); and prepare and maintain a submittal log of all RFI's. Consultant assumes 15 RFI responses.

D. Task 2.4 Shop Drawing Submittals

- i. Consultant must review, evaluate, and respond to Contractor shop drawing submittals; and prepare and maintain a submittal log of all shop drawing submittals. Consultant assumes 35 reviews.

E. Task 2.5 Requests for Proposal (RFP)

- i. Consultant must prepare Requests for Proposal (RFP) documents detailing requested additional work tasks; review and evaluate Contractor RFP responses (cost derivations) with approval recommendations; and prepare and maintain a submittal log list of all RFP's. Consultant assumes 10 RFPs.

F. Task 2.6 Field Directives (FD's)

- i. Consultant must prepare Field Directive (FD) documents detailing requested additional work tasks; review and evaluate Contractor FD responses with approval recommendations; and prepare and maintain a submittal log list of all FD's. Consultant assumes 15 FD's.

G. Task 2.7 Contractor Payment Applications

- i. Consultant must review and evaluate Contractor monthly payment applications and make recommendation for payment; maintain a weekly record of constructed pay quantities and compile monthly totals; and coordinate payment application with the City quantity report and the inspectors' daily logs. Consultant assumes 10 payment applications, with 2 reviews each.

H. Task 2.8 Public Outreach

- i. Consultant must provide public outreach services, whether by Consultant or subconsultant. Tasks will include: create and maintain project website; maintain a 24-hour bilingual project hotline to respond to inquiries, complaints and maintain a call log; public weekly email updates; public interactions with property owners as a liaison between property owners and the City; coordination meetings; project meetings; public meeting coordination; federal funds required partnering process (project team partnering meeting, maintaining status).

3. CONSTRUCTION INSPECTION

A. Task 3.1 Inspection Services

- i. Consultant must provide weekly construction inspection to verify materials and installations conform to construction documents; prepare daily inspection reports documenting Contractor construction activities and progress during field inspection visits; and perform intermittent erosion control inspections. Consultant generally assumes 1 inspector full time 5 days per week for 10 months.

B. Task 3.2 Landscape / Irrigation Inspection Services (NOT USED)

- i. Consultant must provide Irrigation system layout and installation observations; attend and observe irrigation system pressure tests; and attend a nursery visit to tag and inspect plant material. Consultant assumes 0 site visits.

C. Task 3.3 Project Closeout

- i. Consultant must compile non-conformance list prior to Substantial Completion; schedule and conduct Substantial Completion inspection; prepare Substantial Completion punch list generated from Substantial Completion inspection; track items on punch list and note completed items; and complete and distribute Substantial Completion certificates.
- ii. Consultant must schedule and conduct Final Completion inspection; and complete and distribute Final Completion certificates.
- iii. Consultant must provide all documents in an electronic version that matches the City's filing system, so it can be imported into City's files.
- iv. Consultant must participate in a meeting with City staff and Designer to review request for information log to discuss lessons learned during the course of construction.

4. UTILITY COORDINATION

A. Task 4.1 Utility Coordination

- i. Consultant must complete Acceptance of Construction (AOC) applications and submit to MCESD for reclaimed water booster pump and potable water/sewer improvements.

5. MATERIALS TESTING

A. Task 5.1 Quality Control (QC) Test Program

- i. Consultant must review and verify Contractor's Quality Control material test type and frequencies are consistent with City and MAG; review and evaluate Contractor's QC test schedule and provide recommendations on acceptance; and review and evaluate all Contractor sampling, test, and inspection results for conformance with construction documents.

B. Task 5.2 Quality Assurance (QA) Test Program

- i. Consultant must prepare and maintain a materials Quality Assurance plan per City and MAG.
- ii. Consultant must coordinate with Contractor's testing representative to obtain required QA tests and sample; complete sampling and compaction testing of subgrade (including lime-stabilized subgrade base), aggregate base and asphalt concrete materials in new asphalt concrete pavement areas; complete sampling and compaction testing of subgrade, aggregate base (where required) and concrete for new curbs, gutters, sidewalks and concrete pavement and structures; and complete sampling and compaction testing of backfill for new irrigation, sewer, water, storm drain pipe, and dry utilities.

6. RECORD DRAWINGS

A. Task 6.1 Record Drawings

- i. Review and monitor Contractor's weekly updates on red-line drawing set.

ASSUMPTION, CLARIFICATIONS, AND EXCLUSIONS

1. Application fees for City reviews and permits will be paid by CITY.
2. The Owner's Allowance will only be utilized with prior written approval from the City representative.



EXHIBIT "B"
CONSTRUCTION MANAGEMENT
SCOPE OF SERVICES
FEE SCHEDULE

Task	Description	Cost
1	PRE-CONSTRUCTION ASSISTANCE	
1.1	Pre-Construction Assistance	\$ 4,995.12
SUBTOTAL TASK 1:		\$ 4,995.12
2	CONSTRUCTION MANAGEMENT	
2.1	Weekly Construction Meetings	\$ 33,957.32
2.2	CPM Schedule	\$ 6,151.40
2.3	Requests for Information (RFI)	\$ 4,951.64
2.4	Shop Drawing Submittals	\$ 10,818.72
2.5	Requests for Proposal (RFP)	\$ 2,962.00
2.6	Field Directive (FD)	\$ 3,548.42
2.7	Contractor Payment Applications	\$ 6,989.35
2.8	Public Outreach	\$ 17,146.72
SUBTOTAL TASK 2:		\$ 86,525.57
3	CONSTRUCTION INSPECTION	
3.1	Inspection Services	\$ 300,539.88
3.2	Landscape/Irrigation Inspection Services (NOT USED)	\$ -
3.3	Project Closeout	\$ 3,682.64
SUBTOTAL TASK 3:		\$ 304,222.52
4	UTILITY COORDINATION	
4.1	Utility Coordination	\$ 3,817.68
SUBTOTAL TASK 4:		\$ 3,817.68
5	MATERIALS TESTING	
5.1	QC Test Program	\$ 14,210.68
5.2	QA Test Program	\$ 5,902.10
SUBTOTAL TASK 5:		\$ 20,112.78
6	RECORD DRAWINGS	
6.1	Record Drawings	\$ 7,643.44
SUBTOTAL TASK 6:		\$ 7,643.44
SUBCONSULTANTS		
MakPro		\$ 16,400.00
SAECO		\$ 35,000.00
SUBTOTAL SUBCONSULTANTS:		\$ 51,400.00
ALLOWANCES		
Owner's Allowance		\$ 60,000.00
SUBTOTAL ALLOWANCES:		\$ 60,000.00
PROJECT TOTAL:		\$ 538,717.11



3033 N. 44th Street, Suite 250, Phoenix, AZ 85018
 (602) 244-2566
 www.entellus.com

Project Title: **Price Road Frontage Road Sewer Rehabilitation**
 Clients Project #: **VVW2210.451**
 Client: **City of Chandler**

EXHIBIT B-2
LABOR ESTIMATE
CONSTRUCTION ADMINISTRATION AND INSPECTION SERVICES

Date: **August 8, 2023**
 Entellus Project #: **615.126**

SECTION	TASK	WORK ITEM DESCRIPTION	PRINCIPAL	CONSTRUCTION MANAGER	EIT	SENIOR INSPECTOR	ADMIN	Total Hours
			\$ 254.32	\$ 200.46	\$ 95.74	\$ 132.18	\$ 85.27	
1	Pre-Construction Assistance							
	1.1	Pre-Construction Assistance	2	10	20	3	2	37
1	SUBTOTAL		2	10	20	3	2	37
2	Construction Management							
	2.1	Weekly Construction Meetings	4	65	129	43	22	263
	2.2	CPM Schedule		24	14			38
	2.3	Requests For Information (RFI's)	2	15	15			32
	2.4	Shop Drawing Submittals	2	18	70			90
	2.5	Requests for Proposal (RFPs)		10	10			20
	2.6	Field Directives (FDs)	2	8	15			25
	2.7	Contractor Payment Applications		10	20	20	5	55
	2.8	Public Outreach		65	43			108
2	SUBTOTAL		10	215	316	63	27	631
3	Construction Inspection							
	3.1	Inspection Services		131	261	1886		2278
	3.2	Landscape/Irrigation Inspection Services (If Applicable)		0	0			0
	3.3	Project Close-Out		4	8	16		28
3	SUBTOTAL		0	135	269	1902	0	2306
4	Utility Coordination							
	4.1	Utility Coordination		8	16		8	32
4	SUBTOTAL		0	8	16	0	8	32
5	Materials Testing							
	5.1	QC Test Program		22	43	43		108
	5.2	QA Test Program		10	20	15		45
5	SUBTOTAL		0	32	63	58	0	153
6	Record Drawings							
	6.1	Record Drawings		5	10	43		58
6	SUBTOTAL		0	5	10	43	0	58
TOTAL ESTIMATED HOURS			12	405	694	2069	37	3217

EXHIBIT "C"
SUBCONSULTANT DOCUMENTS WITH CONSULTANT

Any subconsultant assumptions, clarifications, exclusions, terms & conditions, signature blocks, etc. included are strictly between the Consultant and their subconsultants, and do not apply to the Agreement between the Consultant and the City.



MakPro Services, LLC
2036 N. Gentry • Mesa, AZ 85213

Office: 480-890-1927
Email: teresa@makprosvc.com

August 6, 2023

Mr. Paul Young
Entellus, Inc.
3033 N. 44th Street, Suite 250
Phoenix, Arizona 85018

Dear Paul:

MakPro Services, LLC (MakPro) is pleased to provide the following proposal for public outreach services for the City of Chandler's Price Road Sewer Rehabilitation Project construction (WW2210), which includes sewer pipeline rehabilitation, manhole replacement and rehabilitation, a sewer bypass and sewer pipeline abandonment in northbound Price Road frontage road from Elliot Road to south of Frye Road. Public outreach is an important element in projects that directly impact nearby stakeholders and provides a link between the project and the community it impacts.

There are a variety of public outreach tools which can be used to establish appropriate communication with the effected stakeholders of a project. The services included in this scope and fee are based on the information you provided for an estimated 10-month construction schedule, with construction estimated to begin in November 2023.

As part of the public outreach for this project, MakPro proposes to:

- establish a 24-hour construction hotline for inquiries and maintain a call log.
- develop a construction notification for nearby properties to inform them of the start of construction and any information related to schedule and sequencing.
- develop and distribute periodic e-updates to stakeholders with project progress.
- attend weekly progress meetings to identify community impacts and better understand the construction sequencing/schedule.

The total cost for the public outreach services as identified above **should not exceed \$16,400.00**, as detailed in the proposed cost estimate which follows. This proposed cost estimate assumes an hourly labor rate of \$110 per hour and a \$300/mo fee for the project hotline.

Proposed Cost Estimate				
Activity	Est Hours	Fees	Reimb Expenses	Total
Public Outreach Services:				
Project Hotline (10 months @ \$300)		\$3,000		\$3,000
Develop, print, and distribute one construction notification and collect contact info	20 hrs	\$2,200		\$2,200
Provide periodic e-updates (approx 15) and respond to stakeholder inquiries or issues	34 hrs	\$3,740		\$3,740
Progress meetings and project administration (assumed to be "virtual" attendance) (Approx 36 weekly mtgs – 1 hr each with small allowance for prep time or longer mtgs)	44 hrs	\$4,840		\$4,840
Reimbursable Expenses (printing / postage)			\$2,620	\$2,620
Total Public Outreach Services:	98 hrs	\$13,780	\$2,620	\$16,400

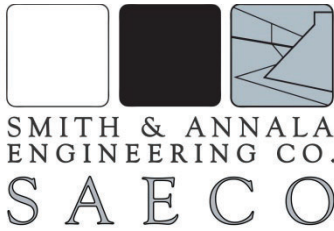
Reimbursable expenses for this project have been estimated based on a distribution to those nearest the actual construction activities, not necessarily the entire corridor. The estimated cost is based on a 2-up half-color postcard. MakPro is not responsible for documenting existing property conditions, project signage or traffic signage, or any direct doorhanger notifications related to service disruptions. Progress or scheduled meetings have a one-hour minimum, and it is assumed this project is not federally funded so has no specific requirements for public outreach. This cost estimate is based on efficiencies across tasks, so adjustments to one activity may require adjustments to other activities. Changes of substance to this proposal during the project may affect the final cost.

Thank you for the opportunity to work with you and the City of Chandler on this project. Should you have questions or need additional information related to this proposal, please feel free to contact me at (480) 890-1927.

Sincerely,



Teresa Makinen
Principal



GEOTECHNICAL ENGINEERING • CONSTRUCTION QA/QC • ENVIRONMENTAL SERVICES

5861 S. Kyrene Rd. Ste.5
Tempe Arizona 85283
Ofc: (480)659-4101
Fax: (480)659-5484
www.SAECOSafe.com

Price Road Frontage Road Sewer Rehabilitation Fee Schedule

Professional Services

Professional Engineer	\$225/Hr.
Senior Project Manager/Engineer/Geologist/Environmental Scientist	\$195/Hr.
Project Manager/Engineer/Geologist/Environmental Scientist	\$140/Hr.
Senior Staff Engineer/Geologist/Environmental Scientist/Sr. Special Inspector	\$95/Hr.
Staff Engineer/Geologist/Environmental Scientist/Special Inspector	\$80/Hr.
Civil Inspector	\$115/Hr.
Technical Illustrator/CAD Operator	\$75/Hr.
Geotechnical/Environmental/Laboratory Assistant	\$65/Hr.
Materials Supervisor	\$100/Hr.
Senior Materials Technician (ATTI, ACI)	\$78/Hr.
Materials Technician	\$68/Hr.
Report Preparation/Dispatch	\$65/Hr.
NDT and Special/Steel Inspector	\$95/Hr.
Core-Drilling (1-technician crew)	\$100/Hr.
Sample Runner (No Trip Charge)	\$50/Hr.

OTHER CHARGES

Expert Witness Testimony	\$350/Hr.
Vapor Emissions Kits	\$30/Hr.
Field Vehicle Usage	\$0.80/mi
Field Equipment Use	\$45/day
Direct Project Expenses	Cost plus 15%

NOTES

For field and laboratory technicians and special inspectors, overtime rates at **1.5 times** the regular rates will be charged for work performed in excess of 8 hours in one day Monday through Friday and all day on Saturday and Sunday. The 1.5 times the regular rate also applies to work performed after 5 pm and before 5 am. Rates at twice the regular rates will be charged for all work in excess of 12 hours in one day and all day on holidays. Lead time for any requested service is 24 hours.

Special Inspector and Field Technician rates are based on a 4-hour minimum charge. Field personnel are charged portal to portal. Cancellations must be 2 hours prior to scheduled service time to not incur 4-hour minimum charge.

A \$500 charge will be billed for services requested day of.

SCHEDULE OF FEES FOR LABORATORY TESTING

Laboratory Test, Test Designation, and Price per Test

SOILS

Atterberg Limits, Dry Preparation, D4318/T89,T90.....	\$75
Atterberg Limits, Wet Preparation, D4318/T89,T90.....	\$105
California Bearing Ratio (CBR), D1883	\$375
Chloride and Sulfate Content, ARIZ 733, 736	\$60
Consolidation, (with 2 time rates) D2435, T216.....	\$235
Consolidation, Full Cycle (without time rates).....	\$170
Consolidation, (response-to-wetting, includes 5 points).....	\$95
Direct Shear – Undisturbed, D 3080, T236	\$295
Direct Shear – Remolded, D 3080, T236	\$350
Expansion Index, D 4829, UBC 18-2.....	\$175
Expansion Potential, D 4546	\$95
Hydraulic Conductivity, D5084	\$405
Hydrometer Analysis, D422, T88	\$140
Double Hydrometer Analysis, D422, T88.....	\$175
Moisture, Ash, & Organic Matter of Peat/Organic Soils	\$85
Moisture Only, D 2216, T265.....	\$15
Moisture and Density, D2937	\$25
Permeability, CH, D2434, T215.....	\$295
pH and Resistivity, ARIZ 236	\$105
Proctor Density, D1557, D698, T99, T180.....	\$125
R-value, D2844, T190.....	\$425
Sand Equivalent, D2419, T176	\$55
Sieve Analysis, D422	\$100
Sieve Analysis, 200 Wash, D1140	\$85
Specific Gravity, D 854	\$75
Thermal Resistivity (ASTM 5334, IEEE442)	\$900
Triaxial Shear, C.U., three points, D4767, T297	\$1,500
Triaxial Shear, U.U., one point, D2850, T296.....	\$500
Unconfined Compression, D2166, T208	\$150
Wax Density, D1188	\$75

ASPHALT CONCRETE

Asphalt Content/Gradation (Ignition Oven), T308, D6307	\$175
Marshall Stability, Flow and Unit Weight, T245	\$175
Marshall and Unit Weight T245	\$175
Maximum Theoretical Unit Weight (Rice), D 2041	\$175
Gyratory Density, T312	\$165
Bulk Specific Gravity, per specimen, D 2726.....	\$15
Bulk Specific Gravity, per specimen (coated), D 1188	\$50

AGGREGATES

Absorption, Coarse, C127	\$55
Absorption, Fine, C128	\$75
Clay Lumps and Friable Particles, C142	\$95
Fractured Face ARIZ 212.....	\$95
Los Angeles Abrasion, C131 or C535	\$155
Potential Reactivity of Aggregates, C1567/C1260.....	\$900
Resistance of Rock to W/D, USACE CRD-C 169-97	\$1,500
Sand Equivalent, T176.....	\$55
Sieve Analysis, C136	\$50
Sieve Analysis (including wash), C136 and C117	\$80
Sulfate Soundness (per size fraction), C88	\$350
Specific Gravity, Coarse, C127	\$55
Specific Gravity, Fine, C128	\$65
Unit Weight C29, T19	\$45

MASONRY

Concrete Block Compression Test, 8x8x16, C140	\$65
Cores, Compression or Shear Bond	\$25
Masonry Grout, UBC 21-18	\$16
Masonry Mortar, UBC 21-16	\$16
Masonry Prism, half size, compression, UBC 21-17	\$85

CONCRETE

Compression Tests, 4 x 8 Cylinder, C39 (set of 4).....	\$100
Compression Tests, 6 x 12 Cylinder, C39	\$30
Compression Test, Slurry.....	\$25
Concrete Beam Modulus of Rupture.....	\$60
Concrete Mix Design Review, Job Spec	\$125
Concrete Mix Design, per Trial Batch, ACI	\$650
Concrete Cores, Compression (excludes sampling), C42.....	\$40
Non-shrink Grout Cubes, 2" (1 set of 3 cubes) C109	\$50
Gunit/Shotcrete, Panels, 3 cut cores per panel and test, ACI	\$190

*Special preparation of standard test specimens will be charged at the technician's hourly rate.

SAECO is accredited to perform the AASHTO and ADOT equivalent of many ASTM Test procedures.