



**AMENDMENT NO. 4 TO
CONSTRUCTION MANAGEMENT SERVICES AGREEMENT**

**CHANDLER HEIGHTS ROAD IMPROVEMENT (MCQUEEN ROAD TO GILBERT ROAD)
Project No. ST1614.451; CHN-0(240)D; ADOT NO.: T009901C**

Council Date: September 12, 2024

THIS AMENDMENT NO. 4 ("Amendment No. 4") to the professional services agreement dated April 1, 2022, (the "Agreement") is made by and between the City of Chandler, an Arizona municipal corporation, ("City") and **Ritoch-Powell & Associates Consulting Engineer, Inc.**, an Arizona corporation, ("Consultant"), on this ____ day of _____, 2024, ("Effective Date" by Clerk). (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 Chandler Heights Road Improvement (McQueen Road to Gilbert Road) project.

B. The Parties have determined that it is necessary and desirable for the Consultant to perform services for the City under the terms and conditions set forth in this Amendment No. 4 and the Agreement.

AGREEMENT

NOW, THEREFORE, in consideration of the premises and mutual promises contained in the Agreement and this Amendment No. 4, 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 is increased by 120 calendar days for a revised total of 1,169 calendar days.

SECTION III – PAYMENT OF COMPENSATION AND FEES

The Fees are increased by \$288,991.78 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 \$2,730,924.90.

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. 4 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. 4.

"CITY" CITY OF CHANDLER

MAYOR

RECOMMENDED BY:

Daniel Haskins

Daniel Haskins, P.E.
CIP City Engineer

APPROVED AS TO FORM:

Charles L. Pomeroy

City Attorney

JNB

ATTEST:

City Clerk

Seal

**"CONSULTANT"
RITTOCH-POWELL & ASSOCIATES
CONSULTING ENGINEER, INC.**

Frank E. Henderson III

Digitally signed by Frank E.
Henderson III
DN: C=US,
E=fhenderson@ardurra.com,
O=Ardurra, OU=Transportation & CM
Services, CN=Frank E. Henderson III
Date: 2024.08.14 11:44:15-0700

08/14/24

Signature

Date

Frank E. Henderson III

Print Name

Sr. Project Manager/Contract Manager

Title

fhenderson@ardurra.com

Signer Email Address

Amendment No. 4 (cont.)
Project No. ST1614.451

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

Amendment authorized by Owner name: Dan Haskins		Date: 8/13/24
Consultant email: fhenderson@rpaeng.com		
Original Agreement amount:	\$2,351,150.56	
Previous Amendment(s) total:	\$90,782.56	
Last Agreement amount approved by Council:	\$2,351,150.56	
This Amendment:	\$288,991.78	
This Amendment + previous Amendment(s) not approved by Council total:	\$379,774.34	
Revised Agreement total:	\$2,730,924.90	
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>1,049</u> Calendar Days	
Net change resulting from this Amendment:	<u>120</u> Calendar Days	
Revised Agreement time (including this Amendment):	<u>1,169</u> Calendar Days	
Council Approval (if applicable)		
Council Approval Date: <u>September 12, 2024</u>		

cc: Project Manager, Consultant, Owner, File

EXHIBIT A

SCOPE OF WORK



August 2, 2024

Mr. Scott Riter
Construction Project Manager
City of Chandler
Public Works & Utilities Capital Projects

RE: Construction Management (CM) Contract Modification
City Project No. ST1614.451
Chandler Heights (McQueen Rd. to Gilbert Rd.)

Dear Mr. Riter,

RITTOCH-POWELL & ASSOCIATES (an Ardurra Company) is submitting attached Scope of Work and Fee Derivation for additional T&M compensation to provide construction administration, management and inspection services for the Chandler Heights Road project.

Our additional compensation totaling \$288,991.78 for this contract modification is necessary to match the contractor's projected construction schedule to achieve Substantial Completion by September 9, 2024 and Final Completion by November 8, 2024. Contractor's schedule extension increases our CM services contract by twenty eight (28) weeks through January 31, 2025 to complete contract close-out activities that include record drawings, AOCs, final contract invoices, etc. This contract modification is for construction administration during the additional contract time and sixteen (16) weeks of on-site inspection services.

We sincerely appreciate the opportunity to continue our City of Chandler relationships executing final design, construction administration, and inspection services and look forward to completing this construction project.

Respectfully submitted,

Frank E. Henderson III
Digitally signed by Frank E.
Henderson III
DN: C=US,
E=fhenderson@ardurra.com,
O=Ardurra, OU=Transportation &
CM Services, CN=Frank E.
Henderson III
Date: 2024.08.02 11:04:56-0700'

Frank E. Henderson III
Sr. Project Manager

EXHIBIT "A"

CONSTRUCTION MANAGEMENT SCOPE OF SERVICES CONTRACT MODIFICATION (FHWA FUNDED PROJECTS)

PROJECT TASKS

1. PRE-CONSTRUCTION ASSISTANCE

A. Task 1.1 Preconstruction Assistance

- i. No additional services resulting from this contract modification.

2. CONSTRUCTION MANAGEMENT

A. Task 2.1 Weekly Construction Meetings

- i. Scope of Work for this contract modification remains unchanged from existing contract except to add twenty (20) meetings.

B. Task 2.2 CPM Schedule

- i. Scope of Work for this contract modification remains unchanged from existing contract except is increased to complete four (4) additional reviews.

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

- i. No additional services resulting from this contract modification.

D. Task 2.4 Shop Drawing Submittals

- i. Scope of Work for this contract modification remains unchanged from existing contract except is increased to complete ten (10) additional reviews.

E. Task 2.5 Requests for Proposal (RFP)

- i. Scope of Work for this contract modification remains unchanged from existing contract except is increased to complete eight (8) additional reviews.

F. Task 2.6 Time & Materials (T&M)

- i. Scope of Work for this contract modification remains unchanged from existing contract except is extended by eight (8)) weeks.

G. Task 2.7 Contractor Payment Applications

- i. Scope of Work for this contract modification remains unchanged from existing contract except is increased to complete five (5) additional reviews.

H. Task 2.8 Public Outreach

- i. Scope of Work for this contract modification remains unchanged from existing contract except is extended by eighteen (18) weeks.

3. CONSTRUCTION ADMINISTRATION

A. Task 3.1 Federal Compliance Administration

- i. No additional services resulting from this contract modification.

B. Task 3.2 Administrative Support

- i. No additional services resulting from this contract modification.

4. CONSTRUCTION INSPECTION

A. Task 4.1 Inspection Services

- i. Scope of Work for this contract modification remains unchanged from existing contract except is extended by sixteen (16) weeks.

B. Task 4.2 Landscape / Irrigation Inspection Services

- i. No additional services resulting from this contract modification.

C. Task 4.3 Project Closeout

- i. No additional services resulting from this contract modification.

5. UTILITY COORDINATION

A. Task 5.1 Utility Coordination

- i. No additional services resulting from this contract modification.

6. MATERIALS TESTING

A. Task 6.1 Quality Control (QC) Test Program

- i. Consultant must perform additional asphalt cores, complete laboratory tests, review and verify Contractor's Quality Control material test type and frequencies are consistent with City, MAG, and ADOT requirements; 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 6.2 Quality Assurance (QA) Test Program

- i. Scope of Work for this contract modification remains unchanged from existing contract except is extended by eighteen (18) weeks.

C. Task 6.3 Material Certifications

- i. Scope of Work for this contract modification remains unchanged from existing contract except is extended by eighteen (18) weeks.

D. Task 6.4 Independent Assurance (IA) Test Program

- i. Scope of Work for this contract modification remains unchanged from existing contract except is extended by eighteen (18) weeks.

7. RECORD DRAWINGS

A. Task 7.1 Record Drawings

- i. Scope of Work for this contract modification remains unchanged from existing contract except additional coordination and record drawing review time is anticipated due to Contractor's multiple key personnel and lack of project oversight.

8. PROJECT MANAGEMENT

A. Task 8.1 Project Monitoring

- i. Scope of Work for this contract modification remains unchanged from existing contract except is extended by twenty-eight (28) weeks.

B. Task 8.2 Manage Sub-Consultants

- i. Scope of Work for this contract modification remains unchanged from existing contract except is extended by twenty-eight (28) weeks.

ASSUMPTION, CLARIFICATIONS, AND EXCLUSIONS

1. Consultant inspector hours are assumed to be one (1) inspector full time for sixty (60) hours per week for six (6) weeks to match Contractor's projected Substantial Completion date of September 9, 2024 and one (1) inspector full time for fifty (50) hours per week for ten (10) weeks to match Contractor's Final Completion date of November 8, 2024.

EXHIBIT B
FEE SCHEDULE



COST PROPOSAL SUMMARY

PROJECT NAME:	Chandler Heights Improvements (McQueen Road to Gilber Road)
PROJECT NO.:	ST1614.451
FEDERAL PROJECT NO.:	CHN-0(240)D
TRACS NO.:	T009901C

CLASSIFICATION	CONTRACT LABOR			
	MAN HOURS		HOURLY RATES	LABOR COSTS
Project Manager	0	\$	68.97	\$ -
Project Manager	157	\$	68.97	\$ 10,828.29
Engineer, Sr/Construction Manager	0	\$	63.51	\$ -
Project Engineer	0	\$	43.50	\$ -
Designer - Sr.	172	\$	33.02	\$ 5,679.44
Inspector	860	\$	42.07	\$ 36,180.20
Registered Land Surveyor	0	\$	39.65	\$ -
Survey Tech/Operator 2	0	\$	20.37	\$ -
2-Person Survey Crew	0	\$	49.50	\$ -
Project Coordinator	139	\$	33.09	\$ 4,599.51
	0	0	\$ -	\$ -
	0	0	\$ -	\$ -
		TOTAL DIRECT LABOR		\$ 57,287.44
Overhead Rate	178.04%		OVERHEAD	\$ 101,994.56
Fixed Capital Cost of Money (FCCM)	0.00%		FCCM	\$ -
Fixed Fee	10%		FEE	\$ 15,928.20
		SUBTOTAL CONTRACT LABOR		\$ 175,210.20

Subtotal Contract Labor	\$	175,210.20
Subtotal Direct and Outside Expenses	\$	1,944.00
Subtotal Subconsultants	\$	111,837.58
Total Contract Fee	\$	288,991.78

Subtotal Allowances \$ -

Total Contract Fee & Allowances \$ 288,991.78

DIRECT AND OUTSIDE EXPENSES				
DESCRIPTION	UNIT	UNIT RATE	QUANTITY	TOTAL
1 Personal Vehicle Mileage	Miles	\$ 0.54	3600	\$ 1,944.00
2				\$ -
3				\$ -
4				\$ -
5				\$ -
REPRODUCTIONS - AT COST (Estimates Only)				
Printing (8-1/2" x 11")	Each	\$ 0.10		\$ -
Printing (11" x 17")	Each	\$ 0.15		\$ -
Bond Large Format	Each	\$ 1.44		\$ -
Mylar Large Format	Each	\$ 12.14		\$ -
Exhibits	Each	\$ 250.00		\$ -
Deliveries/Postage	Each	\$ 50.00		\$ -
SUBTOTAL DIRECT AND OUTSIDE EXPENSES				\$ 1,944.00

SUBCONSULTANTS FEE		
SUBCONSULTANT	TASK	FEE
1 ATEK	QA Testing	\$ -
2 RAMM	IA Testing	\$ -
3 J2	Landscape / Irrigation	\$ -
4 Makpro	Public Outreach	\$ -
5 CEI	Federal Admin Assist	\$ -
6 Lee	Traffic	\$ -
7 Kimley Horn	Resident Engineer	\$ 111,837.58
8		\$ -
9		\$ -
10		\$ -
SUBTOTAL SUBCONSULTANTS FEE		\$ 111,837.58

ALLOWANCES		
CONSULTANT/EXPENSES	TASK	FEE
1		
2		
3		\$ -
4		\$ -
5		\$ -
SUBTOTAL ALLOWANCES		\$ -

CONTRACT TERMS		
PAYMENT METHOD	LUMP SUM	2018 Fed Fund Audit ALCP
CONTRACT DURATION	194	(CALENDAR DAYS)
PROCUREMENT METHOD	SOLICITATION / DIRECT SELECT	
	ON-CALL TASK ORDER	N/A
		(ON-CALL CONTRACT NO.)

Signature

Date



DERIVATION OF COST PROPOSAL SUMMARY

Task	Description	# of Sheets	Project Manager	Project Manager	Engineer, Sr/Construction Manager	Project Engineer	Designer - Sr.	Inspector	Registered Land Surveyor	Survey Tech/Operator 2	2-Person Survey Crew	Project Coordinator			Total Hours By Task	Total Cost By Task
			Hourly Rate	\$ 68.97	\$ 68.97	\$ 63.51	\$ 43.50	\$ 33.02	\$ 42.07	\$ 39.65	\$ 20.37	\$ 49.50	\$ 33.09	\$ -	\$ -	
1	PRE-CONSTRUCTION ASSISTANCE															
1.1	Pre-Construction Assistance															
i	Pre-Construction Meeting															\$0.00
ii	Pre-Construction Public Meeting															\$0.00
iii	Public Outreach Coordination Meeting															\$0.00
	SUBTOTAL PRE-CONSTRUCTION ASSISTANCE		0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00
2	CONSTRUCTION MANAGEMENT															
2.1	Weekly Construction Meetings															
i	Conduct Weekly Construction Meetings			20									20			\$0.00
ii	Prepare Agenda and Minutes			5								10				\$2,041.20
2.2	CPM Schedule															
i	Review Baseline CPM schedule															\$675.75
ii	Review Monthly CPM Schedule Updates			1												\$0.00
2.3	Requests for Information (RFIs)															\$68.97
i	Review and Respond to RFIs															\$0.00
ii	Prepare and Maintain RFI Log															\$0.00
2.4	Shop Drawing Submittals															
i	Review Shop Drawing Submittals			5												\$0.00
ii	Prepare and Maintain Shop Drawing Log											4				\$344.85
2.5	RFPs, T&Ms & FDs															
i	Prepare & review RFP Documents															\$132.36
ii	Review Contractor T&M Submittals			2												\$0.00
	Prepare & review FDs															\$0.00
iv	Prepare and Maintain RFP, T&M, FD & AUR Logs											4				\$137.94
2.6	Contractor Payment Applications															
i	Review Monthly Payment Applications			5												\$0.00
ii	Maintain Weekly Record of Pay Qtrs															\$344.85
iii	Coordinate with City Qty Report															\$0.00
2.7	Public Outreach															
i	Public Outreach Assistance															\$0.00
ii	Public Outreach Services			9												\$620.73
	SUBTOTAL CONSTRUCTION MANAGEMENT		0	47	0	0	0	0	0	0	0	38	0	0	85	\$4,499.01
3	CONSTRUCTION ADMINISTRATION															
3.1	Federal Compliance Administration											36				\$1,191.24
3.2	Administrative Support															
	SUBTOTAL CONSTRUCTION ADMINISTRATION		0	0	0	0	0	0	0	0	0	36	0	0	36	\$1,191.24
4	CONSTRUCTION INSPECTION															
4.1	Inspection Services															
i	Weekly Construction Inspection			61			172	774								\$0.00
ii	Prepare Daily Inspection Reports							86								\$42,448.79
iii	Perform Erosion Control Inspection															\$3,618.02
4.2	Landscape / Irrig Inspection Services															
i	Observe Irrig System Layout and Install															\$0.00
ii	Observe Irrig System Pressure Tests															\$0.00
iii	Attend Nursery Visit to Tag Plant Material															\$0.00
4.3	Project Closeout															
i	Conduct Substantial Complete Inspection															\$0.00
ii	Prepare Substantial Punch List															\$0.00
iii	Conduct Final Complete Inspection															\$0.00
iv	Substantial and Final Complete Certificates															\$0.00
	SUBTOTAL CONSTRUCTION INSPECTION		0	61	0	0	172	860	0	0	0	0	0	0	1,093	\$46,066.81
5	UTILITY COORDINATION															
5.1	Utility Coordination															
i	Coordinate New Services and Relocates															\$0.00
ii	MCESD AOC Application															\$0.00

PHOENIX: 5727 N. 7th Street, Suite 120, Phoenix, AZ 85014 | P: 602-263-1177 | F: 602-277-6286
MESA: 63 E. Main Street, Suite 502, Mesa, AZ 85201 | P: 480-539-7497 | F: 480-539-2810
www.rpaeng.com



DERIVATION OF COST PROPOSAL SUMMARY

Task	Description	# of Sheets	Project Manager	Project Manager	Engineer, Sr/Construction Manager	Project Engineer	Designer - Sr.	Inspector	Registered Land Surveyor	Survey Tech/Operator 2	2-Person Survey Crew	Project Coordinator			Total Hours By Task	Total Cost By Task
			Hourly Rate	\$ 68.97	\$ 68.97	\$ 63.51	\$ 43.50	\$ 33.02	\$ 42.07	\$ 39.65	\$ 20.37	\$ 49.50	\$ 33.09	\$ -		
SUBTOTAL UTILITY COORDINATION				0	0	0	0	0	0	0	0	0	0	0	0	\$0.00
6	MATERIALS TESTING AND QUALITY ASSURANCE															
6.1	QC Test Program														0	\$0.00
i	Review QC Test Type and Frequency														0	\$0.00
ii	Review QC Test Schedule														0	\$0.00
iii	Review Weekly Results for Conformance			10											10	\$689.70
6.2	QA Test Program														0	\$0.00
i	Prepare and Maintain Material QA Plan														0	\$0.00
ii	Coordinate IA Testing and Sampling														0	\$0.00
iii	Coordinate QA Testing and Sampling														0	\$0.00
iv	Complete Subgrade, AB, AC Testing														0	\$0.00
v	Complete Concrete Testing														0	\$0.00
vi	Complete Utility Backfill Testing														0	\$0.00
6.3	Material Certifications														0	\$0.00
i	Review and Verify Material Certifications														0	\$0.00
ii	Prepare and Maintain Material Cert Log														0	\$0.00
6.4	IA Test Program														0	\$0.00
i	3rd Party IA Testing														0	
SUBTOTAL MATERIALS TESTING AND QUALITY ASSURANCE				0	10	0	0	0	0	0	0	0	0	0	10	\$689.70
7	RECORD DRAWINGS															
7.1	Record Drawings														0	\$0.00
i	Review and Monitor Contractor Redlines														0	\$0.00
SUBTOTAL RECORD DRAWINGS				0	0	0	0	0	0	0	0	0	0	0	0	\$0.00
8	PROJECT MANAGEMENT															
8.1	Project Monitoring			28								35			63	\$3,089.31
8.2	Manage Sub-Consultants			11								30			41	\$1,751.37
SUBTOTAL PROJECT MANAGEMENT				0	39	0	0	0	0	0	0	65	0	0	104	\$4,840.68
Total Hours				0	157	0	0	172	860	0	0	139	0	0	1,328	
Total Dollars			\$ -	\$ 10,828.29	\$ -	\$ -	\$ 5,679.44	\$ 36,180.20	\$ -	\$ -	\$ -	\$ 4,599.51	\$ -	\$ -		\$ 57,287.44

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

7/30/2024

**CONSTRUCTION MANAGEMENT
SCOPE OF SERVICES
CHANDLER HEIGHTS ROAD (McQUEEN RD TO GILBERT RD)
CONTRACT MODIFICATION #4**

PROJECT UNDERSTANDING

The current scope of work was based off the Chandler Heights Road Contractor Change Order Number one which extended the Substantial Completion Date to 5/3/2024 and the Final Completion Date to 7/2/2024. The Contractor will not be able to meet either of these dates. The delays to the project have been outside of Kimley-Horn's control and require additional effort above and beyond the current contract scope of work. At the request of Ardurra and the City of Chandler, this contract modification has been prepared so that Kimley-Horn provides the additional effort anticipated to reach the projected Substantial Completion Date of 9/9/24 and the projected Final Completion date of 11/8/24.

PROJECT TASKS**1. PRE-CONSTRUCTION ASSISTANCE (NOT USED)****A. Task 1.1 Preconstruction Assistance****2. CONSTRUCTION MANAGEMENT****A. Task 2.1 Weekly Construction Meetings (NOT USED)****B. Task 2.2 CPM Schedule**

- i. Consultant will 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 up to four (4) additional reviews of updated CPM schedule remain outside the current scope of work.

C. Task 2.3 Requests for Information (RFI's) (NOT USED)**D. Task 2.4 Shop Drawing Submittals**

- i. Consultant will review, evaluate, and respond to Contractor shop drawing submittals. Consultant will review and take appropriate action in respect to Shop Drawings and Samples and other data which Contractor is required to submit, but only for general conformance with the Contract Documents. Such review and action will not extend to means, methods, techniques, equipment choice and usage, schedules, or procedures of construction or to related safety programs. Any action in response to a shop drawing will not constitute a change in the Contract Documents, which can be changed only through the Change Orders. Consultant assumes up to ten (10) additional reviews outside the current scope of work.

E. Task 2.5 Time and Materials Review

7/30/2024

- i. Consultant will review Contractor Time and Materials (T&M) cost submittals and provide recommendations for approval. Consultant assumes up to eight (8) additional T&Ms, with two (2) reviews each outside the current scope of work.

F. Task 2.6 Field Directives (FD's) (NOT USED)

G. Task 2.7 Contractor Payment Applications

- i. Consultant will review and evaluate Contractor monthly payment applications and make recommendation for payment; and coordinate payment application with the City quantity report and the inspectors' daily logs. Recommendations will be based on Consultant's knowledge, information and belief, and will state whether in Consultant's opinion Contractor's work has progressed to the point indicated, subject to any qualifications stated in the recommendation. Consultant's recommendations will not be a representation that its observations to check Contractor's work have been exhaustive, extended to every aspect of Contractor's work, or involved detailed inspections. Consultant assumes up to five (5) additional payment applications remain outside the current scope of work, with two (2) reviews each.

H. Task 2.8 Public Outreach

- i. Consultant will coordinate with City and Ardurra for additional public outreach services. Additional public outreach is needed during the additional seventeen (17) weeks to reach substantial completion.

I. Task 2.9 Unforeseen Conditions

- i. Consultant has expended extensive out of scope effort attending meetings, reviewing and sending letters, and conducting site visits related to the Contractor's inability to manage and construct the project appropriately. There are three items which have required additional effort outside the current contract. The change in Contractor key personnel, out of compliance traffic signals at Adams Ave, the out of compliance pavement east of Cooper, and the unforeseen sinkhole west of Senate.
 1. Change in Contractor key personnel. Early in 2024 the Contractor lost their project manager, superintendent, project engineer, grading foreman, and a majority of the concrete crew. The Consultant conducted multiple site visits and meetings in an attempt to get the new staff familiar with the project and to train new Contractor staff on federal processes such as pay applications, material certifications, time and material work, and partnering.
 2. Traffic Signal at Adams. The Contractor installed two traffic signals at Adams Ave which were not in compliance with the construction documents. Consultant conducted multiple site visits and coordination meetings to discuss and review the out of compliance signal. Meetings and coordination included Consultant staff from the traffic signal group and the structural group to review and respond to letters sent by the Contractor.
 3. East side pavement. Approximately 4,200 linear feet of asphalt was paved out of compliance with the project documents east of Cooper. Consultant conducted multiple site visits, reviewed multiple remediation actions from the Contractor, attended multiple meetings, and provided remediation recommendations to help resolve the issue.

3. CONSTRUCTION ADMINISTRATION (NOT USED)

4. CONSTRUCTION OBSERVATION

7/30/2024

A. Task 4.1 Observation Services

- i. Consultant will provide supplemental construction observation and site visits to review construction progress and construction issues. Consultant assumes up to two (2) site visit per month for four (4) hours per visit for up to four (4) months for the Project Engineer remains outside the current scope of work. Consultant assumes up to two (2) site visits per week for four (4) hours per visit for up to seventeen (17) weeks for the Senior Project Manager remain outside of the current scope of work. Consultant will make these visits to observe the progress of the work. Observations will not be exhaustive or extend to every aspect of Contractor's work, but will be limited to spot checking, and similar methods of general observation. Based on the site visits, Consultant will evaluate whether Contractor's work is generally proceeding in accordance with the Contract Document and keep Client informed of the general progress of the work.

B. Task 4.2 Project Closeout (NOT USED)

5. UTILITY COORDINATION (NOT USED)

6. MATERIALS TESTING

A. Task 6.1 Quality Control (QC) Test Program

- i. The CIP Contractor submits weekly QC reports showing all field and lab testing data. Consultant will reviews these weekly reports to verify Contractor's Quality Control material test type and frequencies are consistent with City, MAG, and ADOT requirements; 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. The Contractor time extension requires up to seventeen (17) additional weekly QC report reviews.

B. Task 6.2 Quality Assurance (QA) Test Program

- i. Consultant will review QA testing is consistent with Contractor's QC testing results. The Contractor time extension requires up to seventeen (17) additional weekly QA report reviews.

C. Task 6.3 Material Certifications

- i. Consultant will review and verify material certifications are met including "Buy America" requirements and prepare and maintain materials certificate and "Buy America" requirement submittal log. The Contactor time extension has resulted in the Contractor submitting more material certifications with less material quantity per submittal. This requires up to four (4) months of additional material certification reviews and log preparation.

7. RECORD DRAWINGS

A. Task 7.1 Record Drawings

- i. Due to multiple changes in Contractor's key personnel over the course of the project and the lack of current Contractor project management, we anticipate additional effort to finalize record drawings will be required.

8. PROJECT MANAGEMENT (NOT USED)

7/30/2024

ASSUMPTION, CLARIFICATIONS, AND EXCLUSIONS

1. Application fees for City reviews and permits will be paid by CITY.
2. The following items are excluded from this scope of work:
 - a. Special Inspections
 - b. Aerial Mapping and photography
 - c. Environmental Investigation
 - d. Potholing and survey for potholing
 - e. Private and public utility relocation design
 - f. Drainage analysis or design
 - g. Pavement design
 - h. Federal compliance administration support
 - i. GIS survey or data processing
 - j. Traffic Control review and approval
 - k. Contractor claim review and coordination
3. Consultant will not supervise, direct, or have control over the Contractor's work, nor shall the Consultant have authority to stop the work or have responsibility for the means, methods, techniques, equipment choice and usage, schedules, or procedures of construction selected by the Contractor, for safety programs incident to Contractor's work, or for any failure of Contractor to comply with any laws.
4. Consultant does not guarantee the performance of any Contractor and has no responsibility for the Contractor's failure to perform its work in accordance with the Contract Documents.



Project Name

Chandler Heights Road Construction Management
Contract Modification #4

7/30/2024

CONTRACT LABOR				
<u>Classification</u>	<u>Man Hours</u>	<u>Billable Rates</u>		<u>Labor Costs</u>
Sr Project Manager/Professional II	0	\$	84.82	\$ -
Senior Professional I	298	\$	70.94	\$ 21,140.12
Professional	220	\$	58.60	\$ 12,892.00
Analyst	0	\$	49.35	\$ -
Designer	0	\$	43.18	\$ -
Administrative	0	\$	30.84	\$ -
			Total Direct Labor	\$ 34,032.12
Overhead Rate	1.94%		Total Labor and Overhead	\$ 66,178.86
Fixed Capital Cost of Money	0.31%		Fixed Capital Cost of Money	\$ 105.50
Fixed Fee	10%		Net Fee (Subtotal x 10% Fixed Fee)	\$ 10,021.10
			Subtotal Contract Labor	\$ 110,337.58

DIRECT AND OUTSIDE EXPENSES	
<u>General Expenses</u>	\$ 1,500.00
Subtotal Direct & Outside Expenses	\$ 1,500.00

TOTALS

Subtotal Contract Labor	\$ 110,337.58
Direct & Outside Expenses	\$ 1,500.00
Total Contract Modification Fee	\$ 111,837.58

Detail of Consultant's Compensation
Chandler Heights Road Construction Management
Contract Modification 4 - July 30th, 2024



		Sr. PM/Prof II	Sr. Prof.	Prof.	Analyst	Designer	Admin.	
TASK DESCRIPTION	SUBTOTAL	\$ 84.82	\$ 70.94	\$ 58.60	\$ 49.35	\$ 43.18	\$ 30.84	
1 - PRE-CONSTRUCTION ASSISTANCE (NOT USED)	\$ -	-	-	-	-	-	-	
2 - CONSTRUCTION MANAGEMENT	\$ 16,597	-	134	121	-	-	-	
2.1 Weekly Construction Meetings	\$ -							
2.2 CPM Schedule	\$ 1,178		10	8				
2.3 Requests for Information (RFI)	\$ -							
2.4 Shop Drawing Submittals	\$ 1,881		10	20				
2.5.1 Requests for Proposal (RFP)	\$ -							
2.5.2 Time & Materials (T&M)	\$ 2,825		20	24				
2.6 Field Directives (FD)	\$ -							
2.7 Contractor Payment Applications	\$ 3,239		25	25				
2.8 Public Outreach	\$ 3,408		34	17				
2.9 Unforeseen Conditions	\$ 4,065		35	27				
3 - CONSTRUCTION ADMINISTRATION (NOT USED)	\$ -	-	-	-	-	-	-	
4 - CONSTRUCTION OBSERVATION	\$ 11,523	-	136	32	-	-	-	
4.1 Observation Services	\$ 11,523		136	32				
4.2 Project Closeout	\$ -							
5 - UTILITY COORDINATION	\$ -	-	-	-	-	-	-	
5.1 Utility Coordination	\$ -							
6 - MATERIALS TESTING	\$ 4,031	-	18	47	-	-	-	
6.1 Quality Control (QC) Test Program	\$ 648		5	5				
6.2 Quality Assurance (QA) Test Program	\$ 941		5	10				
6.3 Material Certifications	\$ 2,443		8	32				
6.4 Independent Assurance (QA) Test Program	\$ -							
7 - RECORD DRAWINGS	\$ 1,881	-	10	20	-	-	-	
7.1 Record Drawings	\$ 1,881		10	20				
8 - Project Management	\$ -	-	-	-	-	-	-	
8.1 Project Management and Project Monitoring	\$ -							
SUBTOTAL DIRECT LABOR	\$ 34,032	0	298	220	0	0	0	