
MEMO

APPROVED
10/11/2021



DATE: October 6, 2021
FROM: Matney M. Ellis
Procurement Director
TO: Board of County Commissioners
SUBJECT: Supplemental 3 – Guy Engineering Services, Inc.

A handwritten signature in black ink, appearing to read "Matney M. Ellis", with a long horizontal flourish extending to the right.

Submitted for your approval and execution is the attached Supplemental & Modification Agreement 3 to the Engineering Services Agreement between the Board of County Commissioners of Tulsa County and Guy Engineering Services, Inc., originally approved and executed on May 30, 2017, CMF 241435.

This supplement is for a compensation increase of \$48,817.00 for additional design effort necessary for the relocation of a conflicting 12” waterline as part of the construction for the roadway projects along E. 51st Street S. from 177th E. Avenue to 193rd E. Avenue. This supplemental is respectfully submitted for your approval and execution.

MME / mlb

SUBMITTED FOR: The October 11, 2021 BOCC meeting agenda.

CMF# 20212287

**SUPPLEMENTAL AND MODIFICATION AGREEMENT NO. 3
EAST 51st STREET SOUTH BETWEEN 177th AND 193rd EAST AVENUE
TULSA COUNTY**

APPROVED
10/11/2021

This Supplemental Agreement No. 3 entered into by and between Tulsa County, hereinafter referred to as the COUNTY, and Guy Engineering Services, Inc., hereinafter referred to as the CONSULTANT, said parties being the same who executed the original contract May 30, 2017;

WITNESSETH:

WHEREAS, it is deemed necessary by the COUNTY to modify the contract.

WHEREAS, during roadway design investigations, it was determined the City of Tulsa 12" waterline may conflict with the roadway improvements. Where conflicts exist, a relocation shall be designed. Relocations are anticipated to occur where proposed stormwater collection systems cross the waterline or where cover over the existing waterline is reduced to less than 30". Additional design effort is necessary to provide relocation plans for the 12" waterline.

WHEREAS, it is advantageous to relocate the conflicting 12" waterline as part of the construction for the roadway projects along E. 51st Street between 177th E. Avenue and 193rd E. Avenue and the roundabout project at 51st and 193rd E. Avenue.

The lump sum fee for Engineering Design shall be adjusted through this Supplemental Agreement No. 3:

BASE CONTRACT AMOUNT	\$282,968
SUPPLEMENTAL AGREEMENT NO. 1	-\$49,447
SUPPLEMENTAL AGREEMENT NO. 2	\$8,993
SUPPLEMENTAL AGREEMENT NO. 3	<u>\$48,817</u>
TOTAL CONTRACT AMOUNT	\$291,331

WHEREAS, under the terms of Section 17.0 Integration and Modification, it was agreed that terms of the contract shall be modified by written Supplement Agreement executed with the same formality as the original contract prior to the changes becoming effective.

WHEREAS, the CONSULTANT is directed to provide waterline relocation plans for the City of Tulsa 12" waterline, to prepare a bid tabulation from the bids received by the County and prepare Record Plans for the relocated waterline for the PROJECT as noted above.

WHEREAS, the CONSULTANT is directed to include waterline relocation plans, prepared by other engineers, for the City of Broken Arrow and Wagoner County Rural Water District No. 4 into the roadway plans and to prepare separate schedules for each entity within the plans. Record plans for the City of Tulsa are included, however, record plans for City of Broken Arrow and the Wagoner County Rural Water District No. 4 are not included in the scope of services.

NOW THEREFORE, it is mutually agreed by and between the parties hereto:

- A. A lump sum amount of Forty-Eight Thousand Eight Hundred Seventeen dollars (\$48,817) shall be added to the contract.
- B. The contract is hereby modified as above described, said Contract in all other aspects be unchanged and in full force and effect.

IN WITNESS HEREOF: This Supplemental Agreement No. 3 is executed by the Consultant on the 20th day of September, 2021, and the County on the 11th day of October, 2021

ATTEST (SEAL)

Michelle Hill

County Clerk



TULSA COUNTY, OKLAHOMA
Board of County Commissioners

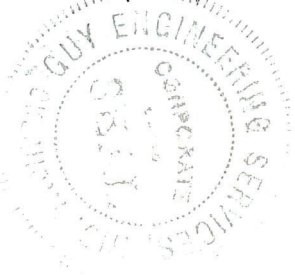
John Salter
Chairman

APPROVED AS TO FORM:

James G. Rea Digitally signed by James G. Rea
Date: 2021.10.05 11:10:26 -05'00'

Assistant District Attorney

ATTEST: (SEAL)



GUY ENGINEERING SERVICES, INC.

Rebecca A. Alvarez

Rebecca A. Alvarez, President

STATE OF OKLAHOMA)
) §

COUNTY OF TULSA)

Attest:

Michael Tug

Secretary (if Corporation)

Subscribed and sworn to before me on the 20th day of September, 2021.

My Commission Expires:

08-03-2023

Lori Acree

Notary Public



**SUPPLEMENTAL AND MODIFICATION AGREEMENT NO. 3
EAST 51st STREET SOUTH BETWEEN 177th AND 193rd EAST AVENUE
TULSA COUNTY
SCOPE OF WORK**

The original contract scope of the project was to improve the East 51st Street South (51st Street) roadway from east of South 177th East Avenue (177th) to the South 193rd East Avenue (193rd) intersection to resolve congestion and reduce accidents. The project purpose is also to provide for pedestrian and bicycle traffic and improve drainage.

Additional services are required to facilitate the construction of the roadway. Tulsa County desires to include the waterline relocation plans for City of Tulsa, City of Broken Arrow and Wagoner County Rural Water District No. 4 in the bid package for the roadway construction.

The Consultant shall coordinate with the engineers for City of Broken Arrow and Wagoner County Rural Water District No. 4 to gather their completed relocation plans for inclusion. Separate summary sheets for each entity's waterline will be prepared, based on information provided by others, for the County's tracking purposes.

The consultant shall provide additional design services for the City of Tulsa's 12" waterline where it conflicts with the proposed stormwater collection system, or other aspects of the project as follows:

1. Field Locations – Provide field locates, including “potholing” or hydro-excavation, to determine where the existing City of Tulsa 12" waterline conflicts with the proposed roadway improvements. Potholes will be made at approximately fifteen (15) locations.
2. Design – Design relocation of the existing City of Tulsa 12" waterline segments located on the north side of 51st Street, or the west side of 193rd, which conflict with the roadway project or where proposed grading over the existing waterline reduces cover to less than 30". The design shall be in accordance with the City of Tulsa standards and specifications for waterline construction. It is anticipated that there will be no more than five (5) waterline segments that will require relocation. The total length of waterline segments to be relocated is anticipated to be no more than 540 linear feet.
3. The waterline relocation drawings shall be a separate set of construction plans, using the roadway plans as a base drawing.
4. Record Plans – Record Plans shall be prepared, using information from the waterline contractor and/or construction inspector that denotes changes made in the field during construction. The Record Plans shall be provided to the City of Tulsa on mylar and in .PDF format.

The Consultant shall prepare a tabulation of the bids received by the County.

EXCLUSIONS – the following are excluded from this scope of work without future supplement and approval of Tulsa County:

1. Right-of way services.
2. Plan submission, review fees, preparation of permit application, preparation of engineering reports, or coordination with Oklahoma Department of Environmental Quality.
3. Construction administration.
4. Construction staking.
5. Daily construction inspection or construction observation services.
6. Record Plans development for the City of Broken Arrow and the Wagoner County Rural Water District No. 4

CONTRACT NO. NA
 COUNTY TULSA

PROJECT NO. 06404060
 CITY

JOB PIECE NO. NA
 COUNTY RD. NO. EW 64 (51st Street)

CONSULTING FIRM SUBMITTING PROPOSAL: **GUY ENGINEERING SERVICES, INC.**

PROJECT DESCRIPTION:

Additional engineering services to design the relocation of the City of Tulsa waterlines. These plans are to be bid with the from the Roadway Construction Plans by Tulsa County. Provide a Bid Tabulation to the County. Include water line relocation plans for the City of Broken Arrow and Wagoner County Rural Water District No. 4 in the roadway plans. Keep individual summary schedules for each of the three water line companies. Provide post-construction Record Drawings for the City of Tulsa Water lines. Environmental studies, DEQ applications and permits, public meetings, right-of-way acquisition, construction administration and inspection services are excluded, unless included in a future supplement.

Labor Description	LOADED HOURLY RATES by Labor Category										Sub-Task	Task	Activity	Cost
	Principal Engineer	Sr PE II	PE II	PE I	Engineer Intern II	Engineer Intern I	Tech II	Tech I	SUE Manager	PM Admin				
	\$294.17	\$248.76	\$159.90	\$129.38	\$108.76	\$103.77	\$114.94	\$90.27	\$160.00	\$128.95				
PROJECT DEVELOPMENT ACTIVITIES	HOURS													
1.0 Prepare Preliminary Water Line Relocation Plans	0	8	12	14	88	0	0	0	24	0			146	\$19,131.00
1.1 Create Title Sheet And Generate Location Map					2								2	
1.2 Create Summary Sheet(s)			2		4								6	
1.3 Develop Water Line Plan & Profile Sheets	0	0	4	14	52	0	0	0	24	0			94	
1.3.1 Field locate existing water line for potholing (hydro-vac)									24				24	
1.3.2 Generate Horizontal Alignment			2		4								6	
1.3.3 Generate Existing Ground					4								4	
1.3.4 Generate Water Line Profile			2	12									14	
1.3.5 Generate P&P Sheets				2	4								6	
1.3.6 Draft P&P Sheets					40								40	
1.4 Design Preliminary Connection Details	0	8	4	0	22	0	0	0	0	0			34	
1.4.1 Determine means and method of Connection		2	4		8								14	
1.4.2 Draft Connection Details		2			12								14	
1.4.3 QA/QC check		4			2								6	
1.5 Develop Preliminary Estimate of Probable Cost	0	0	2	0	8	0	0	0	0	0			10	
1.5.1 Summarize Quantities			1		4								5	
1.5.2 Develop Estimate of Cost			1		4								5	
2.0 Public Involvement - NA	0	0	0	0	0	0	0	0	0	0			0	\$0.00
2.1 Conduct & Attend Public Meetings / Landowner Notifications													0	
3.0 Preliminary Plan Review Process	0	3	4	0	0	0	0	0	0	0			7	\$1,386.00
3.1 Attend Preliminary Plan Field Review and Prepare Meeting Minutes		3	4										7	
3.2 Update Estimate of Probable Cost if requested													0	
4.0 Prepare Final Water Line Relocation Plans	0	8	10	18	14	0	0	0	0	0			50	\$7,441.00
4.1 Finalize All Design Elements per Preliminary Review Meeting comments	0	8	10	18	14	0	0	0	0	0			50	
4.1.1 Update Horizontal and Vertical Alignment		1	4		8								13	
4.1.2 Update P&Ps; Connection Details		1		4	8								13	
4.1.3 Update summary tables; quantities and Summary of Pay Items			2	2	2								6	
4.1.4 Update Estimate of Probable Costs			1		2								3	
4.1.5 QA/QC check		4	2										6	
4.1.6 Submit Final Plans & Estimate			1		2								3	
4.1.7 Respond and address Final Plan comments from City/County		2		4									6	
5.0 Coordination with COBA and Wagoner County RWD	0	8	24	0	24	0	0	0	0	0			56	\$8,438.00
5.1 Coordination with other engineers to get their plans into bid set.		4	8										12	
5.2 Include CoBA water line relocation plans into roadway plans		2	8		12								22	
5.3 Include Wagoner County RWD No. 4 water line relocation plans into roadway plans		2	8		12								22	
6.0 Prepare Record Drawings	0	4	0	0	16	0	0	0	0	0			20	\$2,735.00
6.1 Coordinate with and Review mark-ups from County inspector		2			4								6	
6.2 Prepare Record Drawings for City of Tulsa and submit CAD Drawings as requested		2			12								14	
Sub-Total Estimated DIRECT Loaded Hourly Costs	0	31	50	32	142	0	0	0	24	0			279	\$39,131.00

CONTRACT NO. NA
 COUNTY TULSA

PROJECT NO. 06404060
 CITY _____

JOB PIECE NO. NA
 COUNTY RD. NO. EW 64 (51st Street)

CONSULTING FIRM SUBMITTING PROPOSAL: **GUY ENGINEERING SERVICES, INC.**

7.0 Estimated Sub-Consultant Contract Costs (Attach Sub-Consultant cost proposal sheets as applicable)		\$9,686.00
7.1 Survey - See Separate proposal	\$4,646.00	
7.2 DEQ submittal - Not part of scope		
7.2 Right-of-Way Documents - Not Applicable		
7.4 Right-of-Way Staking - Not Applicable		
7.5 Inspection of Water Line Construction - Not part of scope		
7.6 Geotechnical - Not Part of scope		
7.7 Hydro-vacuuming to locate water lines - See separate proposal	\$5,040.00	
7.8 Environmental Document Development & Specialist Studies - Not Applicable		

PROJECT DEVELOPMENT COST SUMMARY SECTION		
ESTIMATED TOTAL DIRECT PROJECT DEVELOPMENT COSTS		\$48,817.00
DIRECT NON-PAYROLL COSTS		
	Materials & Supplies	
	Reproduction	
	Data Processing	
	Travel Expenses	
	Equipment Rental	
	Other (specify)	
Subtotal		\$0.00
TOTAL SUPPLEMENT #3 DESIGN FEE		\$48,817.00

Prepared by: Russell E. Dixon

Date: September 19, 2021

Survey Proposal
Guy Engineering Services, Inc.
6910 E 14th St
Tulsa, OK 74112
918-437-0282

Project #1079 - E. 51st St. and 193rd E. Ave.
Waterline Locates

Labor Category			
Survey Manager	Survey Party Chief	Survey Field Tech	Survey Tech II
\$152.15	\$88.98	\$67.92	\$114.94

	HOURS				Sub-Task	Task	Activity	Cost
1.0 Survey	6	15	15	12			48	\$4,646.00
1.1 Office Work	4	0	0	12		16		
1.1.1 Preliminary Research	2			4	6			
1.1.2 Courthouse Research					0			
1.1.3 Utility Coordination & Reduction					0			
1.1.4 Section/Boundary Computation					0			
1.1.5 Topographic/Planimetric Reduction				8	8			
1.1.6 Right-of-Way Documents/Staking Preparation					0			
1.1.7 Certified Corner Records					0			
1.1.8 Project Management	2				2			
1.2 Field Work	2	15	15	0		32		
1.2.1 Site Control Establishment		2	2		4			
1.2.2 Section/Boundary Recon					0			
1.2.3 Topographic/Planimetric Collection					0			
1.2.4 Channel Collection					0			
1.2.5 Utility Collection		13	13		26			
1.2.6 Field Check					0			
1.2.7 Right-of-Way Staking (x2)					0			
1.2.8 Project Management	2				2			

2.0 Expenses		\$	-
2.1 Travel Expenses			
	Project location is more than 75 miles from GUY Engineering. XX travel days per diem @ \$XX.XX / X days per diem @ \$XX.XX / XX hotels nights @ \$XXX.XX – GSA rate		
2.2 Aerial Photogrammetry Survey			
	Digital Mapping & Digital Orthophotos		

Total: \$	4,646.00
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SUMMARY:	Survey	912.90	1,334.70	1,018.80	1,379.28	\$ 4,646.00
	Right-of-Way Documents	-	-	-	-	\$ -
	Right-of-Way Staking	-	-	-	-	\$ -
	Expenses					\$ -
	Total	912.90	1,334.70	1,018.80	1,379.28	\$ 4,646.00



PROPOSAL # 21-1516
Date: July 13, 2021

To: Guy Engineering
6910 E 14th St
Tulsa, OK 74112

Contact: Jeremy Chapman
Phone: 918.437.0282
Email: Jeremy@guyengr.com


ESTIMATOR	JOB SITE LOCATION	PROPOSAL ISSUE DATE	PROPOSAL EXPIRE DATE	
Rick Egleberry	51 st Street - Tulsa	7-13-21	8-13-21	
QTY	DESCRIPTION	UNIT	RATE	LINE TOTAL
15	Utility Locate-Native Soil - 0' - 6' Deep	EA	\$248.00	\$3720.00
15	Survey Services (Optional)	EA	\$88.00	\$1320.00

Note: If this proposal is acceptable, please sign below and return to our office to proceed with the work.

TOTAL \$5040.00

Special Conditions:

All Potholes will be located in areas requiring limited traffic control. (Cones Only)
All Potholes will be filled with sand and/or slurry concrete.
All Potholes will be to a depth of 6 feet from existing ground elevation. An additional cost of \$20.00 will be charged for each additional one foot in depth.
General Pot Hole locations to be provided by Client. Actual Pot Holes will be based on OKIE field markings. Additional Pot Holes due to incorrect OKIE markings will be paid on a time and materials basis as approved by Client.
If a purchase order number (PO#) or work order number is required for billing, client shall indicate such on signed proposal. Payment for all services is due within 30 days of receipt of our invoice unless otherwise agreed upon by separate contract.

Proposal prepared by:  _____

To accept this Proposal, sign here and return: _____

Thank you for choosing SUL for your hydro-excavation needs!

