

RESOLUTION 19-114

**A RESOLUTION TO AMEND RESOLUTION 19-36 TO APPROVE
CHANGE ORDERS FOR BEECHCROFT ROAD IMPROVEMENT
PROJECTS WATER LINE RELOCATION**

WHEREAS, the Board of Mayor and Aldermen previously approved change order requests in the amount of \$62,736.50 for the Beechcroft Road improvement projects at Cleburne Road intersection (PIN 117319.01 – TDOT contract number 8594) and the Project Shotgun SIA road (PIN 121394.00 – TDOT contract number 8600) by Resolution 19-36; and

WHEREAS, as the projects were established as design-build projects by TDOT, the contractor (Superior Construction) is able to negotiate change order pricing within ten percent (10%) of the average TDOT pricing; and

WHEREAS, TDOT has approved Superior Construction's change order for additional pipe and hardware with labor to install in the amended total amount of \$88,632.61, as follows:

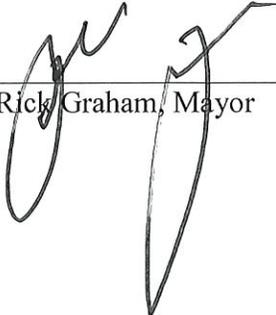
Field Change #1 – for PIN 117319.01 - ~~\$27,798.50~~ \$42,929.88
Field Change #2 – for PIN 121394.00 - ~~\$34,938.00~~ \$45,702.73; and

WHEREAS, TDOT will reimburse the City of Spring Hill for 93% of the increased costs for PIN 117319.01 (Cleburne Road intersection) and 81% of the increased costs for PIN 121394.00 (Project Shotgun SIA road); and

WHEREAS, the additional expense and reimbursement revenue will be included with an upcoming budget amendment.

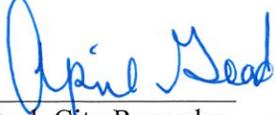
NOW, THEREFORE BE IT RESOLVED, that the City of Spring Hill, Board of Mayor and Aldermen approves the additional funding of \$25,896.11 for two utility field Change Orders for Beechcroft Road improvement projects water line relocation (amended total cost of \$88,632.61), as recommended by the Budget and Finance Advisory Committee on July 1, 2019.

Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on the 15th day of July, 2019.



Rick Graham, Mayor

ATTEST:



April Goad, City Recorder

LEGAL FORM APPROVED:



Patrick Carter, City Attorney

SUBJECT: Resolution to amend Resolution 19-36 to approve change orders for Beechcroft Road improvement projects water line relocation

DATE: June 21, 2019

ATTENTION: Board of Mayor and Aldermen

STAFF: Missy Stahl, Senior Project Manager



STAFF MEMORANDUM

The requested change orders were approved the BOMA with Resolution 19-36, for a total amount of \$62,736.50, as the water line location was not accurately shown on the TDOT survey of utilities and TDOT is requiring the move. This cost was determined by Dempsey, Dilling and Associates based on the bid pricing per item that Superior Construction bid on the original job with. The city would receive reimbursement from TDOT in the amount of \$54,152.39; the net expense to the city would be \$8,584.11.

TDOT established both the Beechcroft Road improvement projects at Cleburne Road intersection and the Project Shotgun SIA road as design-build projects. Under TDOT regulations, a contractor can negotiate pricing on change orders for design-build projects with an increase of up to 10% of TDOT average pricing across all TDOT projects. Therefore, Superior Construction has submitted the change order for an increased price of \$88,632.61. (The city will still receive reimbursement as established in the contracts with TDOT.) TDOT has approved this increase as it falls within their 10% limitation and are defined as follows:

Change order #1 – Cleburne Rd intersection – PIN 117319.01 – contract #8594 – We net 7% of the cost and get reimbursed for 93%.

Total amended amount of the change order	\$42,929.88
Reimbursable amount	- \$39,924.79
NET EXPENSE OF CHANGE ORDER TO THE CITY	\$ 3,005.09

Change order #2 – SIA Road serving Project Shotgun – PIN 121394.00 – contract #8600 – We net 19% of the cost and get reimbursed for 81%.

Total amended amount of the change order	\$45,702.73
Reimbursable amount	- \$37,019.21
NET EXPENSE OF CHANGE ORDER TO THE CITY	\$ 8,683.52

Funds to cover this additional expense (\$25,896.11) and the related reimbursement revenue (\$22,791.61) will be added to the budget through a budget amendment. The expense will be to the water distribution department (410-52100-903 and 410-52100-907).

Staff requests approval of this change order request.

**Supplemental Agreement and/or Request for Construction Change
Change Order No. 003**

Category 3
Change Field Conditions: Utilities

STATE OF TENNESSEE
Department of Transportation
Bureau of Operations
Nashville, TN 37243-0326

Contract No.: DB1601
Project No.: 60100-1209-14, 60100-3209-14, 60100-2209-14
Reference No.: STP-396(4), STP-396(4), STP-396(4)
County(s): MAURY

Whereas, we **SUPERIOR CONSTRUCTION COMPANY SOUTHEAST, LLC** with **BERKSHIRE HATHAWAY SPECIALTY INS. CO.**, as Surety, entered into a contract with the STATE OF TENNESSEE, Department of Transportation, Bureau of Operations, on 01/22/2018, for the construction by said Contractor of the above designated contract; and *Whereas*, certain items of construction encountered, are not covered by the original contract, we desire to submit the following additional items of construction to be performed by the Contractor and paid by the State at the prices scheduled therefore below:

The purpose of this Change Order is to establish unit prices for items of work not covered by the original contract.

It is agreed to add the following item to the original contract documents.

Item No. 104-03.01 Additional Work (Water Line Relocation Proj. 1 and 2), 1 L.S., is being added to address water line relocation work on Project 1 (PIN117319.01 Intersection of Beechcroft Road and Cleburne Road) from Sta. 18+29 to Sta. 21+36, and Project 2 (PIN121394.00 Industrial Access Road serving Project Shotgun) from Sta. 48.21 to Sta. 50+78, that is necessary due to inaccurate locations shown on the plans of the existing 10" water line. These inaccuracies were not found, and conflicts not known, until construction of the roadway was underway.

In addition, the Contractor, contingent on payment in full of the above requested change order, does hereby, for itself, its subcontractors, and any successors or assigns, release and forever discharge the State of Tennessee from any and all manner of claims related to only the work defined in this Change Order.

As a result of this Change Order, contract time shall not be extended.

Unit prices listed below include all labor, materials, profit, overhead and incidentals necessary to complete this work.

Item Code	Description	Unit	Current/Pending Quantities	Revised Quantities	Qty Over + Qty Under -	Contract Price	Net Amount Due Change
104-03.01	ADDITIONAL WORK (DESCRIPTION) Waterline Relocation Proj 1 and 2	Lump Sum	0.000	1.000	1.000	88,632.61	88,632.61

Bid Contract Amount: \$17,134,607.55

Current Change Order	\$0.00
Approved Change Order:	\$536,654.31
Pending Change Orders	\$0.00
Total Change Orders to Date	\$536,654.31

Now, Therefore, We, **SUPERIOR CONSTRUCTION COMPANY SOUTHEAST, LLC**, Contractors, and **BERKSHIRE HATHAWAY SPECIALTY INS. CO.**, Surety, hereby agree to the Supplemental Agreement consisting of the above mentioned items and prices, and agree that this Supplemental Agreement is hereby made a part of the original contract and will be performed by this Contractor in accordance with specifications thereof, and that the original contract remain in full force and effect, except insofar as specifically modified by this Supplemental Agreement.

Change Order Figure using AS-Built Quantities

PROJECT 1- Water relocation				Superior Const.	TDOT		Superior Const.	TDOT	
Item #		Original Quantity	As-built Quantity	Unit Price	Ave. Unit price	% difference	Item Price	Item Price	
795-03.07	10" PVC Water Line	315 LF	315.00 LF	\$ 62.70	\$ 57.04	9.9%	\$19,750.50	\$ 17,967.60	
795-06.06	Connect to 10" Water Line	2 EA	2.00 EA	\$ 2,850.00	\$ 2,599.59	9.6%	\$5,700.00	\$ 5,199.18	
795-06.30	Cut/Cap Existing Lines (All Sizes)	2 EA	2.00 EA	\$ 1,040.00	\$ 945.99	9.9%	\$2,080.00	\$ 1,891.98	
795-09.15	1" HDPE Service Pipe	20 LF	23.00 LF	\$ 15.75	\$ 14.35	9.8%	\$362.25	\$ 330.05	
795-13.01	DI Fittings	464 LBS	501.00 LBS	\$ 11.15	\$ 10.15	9.9%	\$5,586.15	\$ 5,085.15	
PROJECT 2 - Water relocation									
795-03.07	10" PVC Water Line	295 LF	262.00 LF	\$ 62.70	\$ 57.04	9.9%	\$16,427.40	\$ 14,944.48	
795-06.06	Connect to 10" Water Line	2 EA	2.00 EA	\$ 2,850.00	\$ 2,599.59	9.6%	\$5,700.00	\$ 5,199.18	
795-06.30	Cut/Cap Existing Lines (All Sizes)	2 EA	2.00 EA	\$ 1,040.00	\$ 945.99	9.9%	\$2,080.00	\$ 1,891.98	
795-08.06	10" Gate Valve Assembly	2 EA	2.00 EA	\$ 2,850.00	\$ 2,601.65	9.5%	\$5,700.00	\$ 5,203.30	
795-13.01	DI Fittings	842 LBS	569.00 LBS	\$ 11.15	\$ 10.15	9.9%	\$6,344.35	\$ 5,775.35	
							SubTotal=	\$69,730.65	\$63,488.25
105-01.20	DB Const Stakes, Lines & Grades		1.00 LS				\$11,118.00	\$ -	
717-99095	DB Mobilization		1.00 LS				\$7,783.96	\$ -	
							Total	\$88,632.61	\$ -

See CSL&G Tab below for breakdown
See Mobilization Tab below for breakdown

Mobilization Costs

Subcontractor Mark-up	
Subcontractors	Work Costs
Eutaw	\$69,730.65
Wilson & Assoc.	\$1,050.00
STC	\$2,604.50
	\$73,385.15
	x 0.05
	\$3,669.26

Superior Self-Performed Work Mark-up	
Superintendent Labor	\$1,373.00
Foreman Labor	\$1,061.00
Surveyor Labor	\$982.50
Survey Equipment Rental	\$367.50
Trucks	\$1,489.50
Vacuum Trailer	\$337.50
Potholing	\$4,457.00
	\$10,068.00
	x 0.15
	\$1,510.20

Total Mobilization Costs	
Sub Mark-up	\$3,669.26
Superior Mark-up	\$1,510.20
STC Traffic Control	\$2,604.50
Total	\$7,783.96

Breakdown for CSL&G Item

Contractor	Work Category	QTY	UNIT	Rate	Total
Wilson & Assoc.	Staking	1	LS	\$1,050.00	\$1,050.00
Superior (using Badger)	Potholing	1	LS	\$4,457.00	\$4,457.00
Superior	Superintendent	25	HRS	\$54.92	\$1,373.00
Superior	Foreman	25	HRS	\$42.44	\$1,061.00
Superior	Surveyor	25	HRS	\$39.30	\$982.50
Superior	Survey Equip Usage	2.5	Days	\$147.00	\$367.50
Superior	Trucks	75	HRS	\$19.86	\$1,489.50
Superior	Vacuum Trailer	2.5	Days	\$135.00	\$337.50

Total Cost \$11,118.00