

RESOLUTION 18-215

A RESOLUTION TO APPROVE CHANGE ORDER FOR DUPLEX ROAD WIDENING PROJECT NEW SEWER LINE INSTALLATION

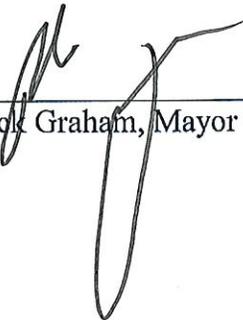
WHEREAS, the Duplex Road widening project is currently in construction phase; and

WHEREAS, due to irregular alignment of the existing sewer line, fifty-six (56) L.F. of new sewer pipe and manhole modifications are needed in addition to the original quantities in the contract with the Tennessee Department of Transportation (TDOT); and

WHEREAS, Dempsey, Dilling and Associates has submitted a change order for this additional pipe and manhole modifications in the amount of \$13,385.80.

NOW, THEREFORE BE IT RESOLVED, that the City of Spring Hill, Board of Mayor and Aldermen approves a Change Order for Duplex Road widening project new sewer line installation at cost of \$13,385.80, as stated in the attached change order request.

Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on the 19th day of November, 2018.



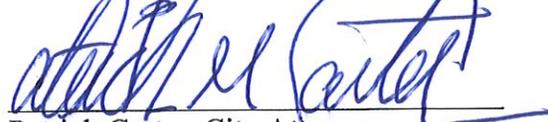
Rick Graham, Mayor

ATTEST:



April Goad, City Recorder

LEGAL FORM APPROVED:



Patrick Carter, City Attorney

SUBJECT: Resolution to approve change order for Duplex Road widening project new sewer line installation

DATE: November 8, 2018

ATTENTION: Board of Mayor and Aldermen

STAFF: Missy Stahl, Senior Project Manager



STAFF MEMORANDUM

The Duplex Road widening project is 401 days into the construction phase. Miles Johnson is currently closed to install the new water and sewer lines. Due to irregular alignment of the existing sewer line at the intersection of Miles Johnson Parkway/ Duplex Road and that no accurate construction drawings exist due to the age of the line, it has been determined that the location of the existing sewer line is not accurately depicted on the construction drawings.

Therefore, an additional fifty-six (56) L.F. of new ductile iron pipe will be needed to realign the sewer as well as manhole modifications. Dempsey, Dilling and Associates (engineers that designed the utility plans and are conducting CEI services on behalf of the city) has submitted a change order request in the amount of \$13,385.80 for these changes. The re-opening of Miles Johnson Parkway is connected to the realignment of the new sewer line.

Funds to cover this expense will be added to the current budget amendment, on the voting agenda of November 19, 2018 for first reading. These funds will come from the water and sewer fund balance and the expense will be to the sewer collection department (410-52211-958).

Staff requests approval of this change order request.

UTILITY FIELD CHANGE REQUEST

TDOT PIN #103169

Maury County-Sewer

CHANGE ORDER NO. 4

SIGNATURE

REQUESTED BY: CONTRACTOR _____
 SUBCONTRACTOR _____
 UTILITY City of Spring Hill _____

REASON FOR REQUEST:

Reference: Plan Sheet U3-6 and Profile Sheet U3-6A Existing MH#15 and Proposed MH F-1 and MH F-2

Proposed MH F-1 was originally an open-bottom ("doghouse") manhole to be installed on the existing sewer line in the center of SR 247 (Duplex Road). The existing sewer line flows from east-to-west. Due to insufficient as-built information and the irregular vertical alignment of the existing sewer, the actual field-determined invert at the point of connection was 1.4' higher than the design invert for MH F-1 required. The proposed solution is to realign the sewer from proposed MH F-2 to Existing MH#15 instead of from proposed MH F-1. This will required coring MH F-2, reworking the invert, patching the original outlet hole, installing an additional 56 L.F. of Class 350 Ductile Iron Pipe and connecting to an existing manhole.

CONTRACT ITEMS IMPACTED:

797-05.02	8IN DIP GRAVITY SEWER 6FT-12FT DEPTH
797-10.02	CONNECT 8IN SEWER TO EXIST MANHOLE
797-11.39	TV INSPECTION
797-40.01	CONCRETE ENCASEMENT

Unit	Unit Cost	Est. Quantity	Subtotal
L.F.	\$150.00	56	\$8,400.00
EACH	\$1,610.00	1	\$1,610.00
L.F.	\$1.80	56	\$100.80
L.F.	\$82.00	5	\$410.00

Total \$10,520.80

CONTRACT ITEMS ADDED:

797-07.62	MANHOLE MODIFICATION
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Unit	Unit Cost	Est. Quantity	Subtotal
EACH	\$2,865.00	1	\$2,865.00

Total \$2,865.00

REQUEST DATE: _____

TOTAL
\$13,385.80

<u>APPROVAL</u>	<u>DATE</u>	<u>SIGNATURE</u>
PRIME CONTRACTOR	_____	_____
UTILITY APPROVAL	_____	_____
CEI APPROVAL	_____	_____
TDOT APPROVAL	_____	_____

		UNIT PRICE	EXTENSION
795-15.05	20IN STEEL CASING PIPE OPEN CUT METHOD		
	204.000 L.F.		
	Eutaw Construction Company, Inc.	\$160.0000	\$32,640.00
	Civil Constructors, LLC	\$237.0000	\$48,348.00
	Rogers Group, Inc.	\$169.8800	\$34,655.52
795-15.06	22IN STEEL CASING PIPE OPEN CUT METHOD		
	265.000 L.F.		
	Eutaw Construction Company, Inc.	\$150.0000	\$39,750.00
	Civil Constructors, LLC	\$280.0000	\$74,200.00
	Rogers Group, Inc.	\$159.2600	\$42,203.90
795-15.25	16IN STEEL CASING PIPE OPEN CUT METHOD		
	56.000 L.F.		
	Eutaw Construction Company, Inc.	\$130.0000	\$7,280.00
	Civil Constructors, LLC	\$213.0000	\$11,928.00
	Rogers Group, Inc.	\$138.0300	\$7,729.68
797-05.01	8IN DIP GRAVITY SEWER 0FT-6FT DEPTH		
	67.000 L.F.		
	Eutaw Construction Company, Inc.	\$110.0000	\$7,370.00
	Civil Constructors, LLC	\$83.0000	\$5,561.00
	Rogers Group, Inc.	\$116.7900	\$7,824.93
797-05.02	8IN DIP GRAVITY SEWER 6FT-12FT DEPTH		
	151.000 L.F.		
	Eutaw Construction Company, Inc.	\$150.0000	\$22,650.00
	Civil Constructors, LLC	\$180.0000	\$27,180.00
	Rogers Group, Inc.	\$159.2600	\$24,048.26
797-05.03	8IN DIP GRAVITY SEWER 12FT-18FT DEPTH		
	30.000 L.F.		
	Eutaw Construction Company, Inc.	\$240.0000	\$7,200.00
	Civil Constructors, LLC	\$329.0000	\$9,870.00
	Rogers Group, Inc.	\$254.8200	\$7,644.60
797-05.52	8IN PVC GRAVITY SEWER 6FT-12FT DEPTH		
	2,812.000 L.F.		
	Eutaw Construction Company, Inc.	\$120.0000	\$337,440.00
	Civil Constructors, LLC	\$119.0000	\$334,628.00
	Rogers Group, Inc.	\$127.4100	\$358,276.92
797-05.53	8IN PVC GRAVITY SEWER 12FT-18FT DEPTH		
	102.000 L.F.		
	Eutaw Construction Company, Inc.	\$230.0000	\$23,460.00
	Civil Constructors, LLC	\$143.0000	\$14,586.00
	Rogers Group, Inc.	\$244.2000	\$24,908.40

		UNIT PRICE	EXTENSION
797-08.05 6IN PVC PIPE FOR SERVICE LATERAL	1,210.000 L.F.		
Eutaw Construction Company, Inc.		\$69.0000	\$83,490.00
Civil Constructors, LLC		\$59.0000	\$71,390.00
Rogers Group, Inc.		\$73.2600	\$88,644.60
797-08.08 6IN CLEAN OUT ASSEMBLY	36.000 EACH		
Eutaw Construction Company, Inc.		\$990.0000	\$35,640.00
Civil Constructors, LLC		\$625.0000	\$22,500.00
Rogers Group, Inc.		\$1,051.1100	\$37,839.96
797-10.02 CONNECT 8IN SEWER TO EXIST. MANHOLE	2.000 EACH		
Eutaw Construction Company, Inc.		\$1,610.0000	\$3,220.00
Civil Constructors, LLC		\$3,660.0000	\$7,320.00
Rogers Group, Inc.		\$1,709.3800	\$3,418.76
797-10.06 CONNECT 6IN LATERAL TO SEWER LINE	6.000 EACH		
Eutaw Construction Company, Inc.		\$1,140.0000	\$6,840.00
Civil Constructors, LLC		\$1,610.0000	\$9,660.00
Rogers Group, Inc.		\$1,210.3600	\$7,262.16
797-10.09 CONNECT EX. 8IN SEWER TO NEW MANHOLE	8.000 EACH		
Eutaw Construction Company, Inc.		\$790.0000	\$6,320.00
Civil Constructors, LLC		\$1,760.0000	\$14,080.00
Rogers Group, Inc.		\$838.7700	\$6,710.16
797-11.15 48IN MH ADJUSTMENT INCREASE HEIGHT	25.000 V.F.		
Eutaw Construction Company, Inc.		\$440.0000	\$11,000.00
Civil Constructors, LLC		\$313.0000	\$7,825.00
Rogers Group, Inc.		\$467.1500	\$11,678.75
797-11.16 60IN MH ADJUSTMENT INCREASE HEIGHT	9.000 V.F.		
Eutaw Construction Company, Inc.		\$590.0000	\$5,310.00
Civil Constructors, LLC		\$443.0000	\$3,987.00
Rogers Group, Inc.		\$626.4100	\$5,637.69
797-11.20 48IN MH ADJUSTMENT DECREASE HEIGHT	3.000 V.F.		
Eutaw Construction Company, Inc.		\$400.0000	\$1,200.00
Civil Constructors, LLC		\$733.0000	\$2,199.00
Rogers Group, Inc.		\$424.6800	\$1,274.04

		UNIT PRICE	EXTENSION
797-11.25 RETIREIN PLACE 48IN MANHOLE			
	4.000 EACH		
Eutaw Construction Company, Inc.		\$920.0000	\$3,680.00
Civil Constructors, LLC		\$615.0000	\$2,460.00
Rogers Group, Inc.		\$976.7900	\$3,907.16
797-11.31 RETIREIN PLACE EXISTING SEWER 8IN-14IN			
	2,927.000 L.F.		
Eutaw Construction Company, Inc.		\$9.8000	\$28,684.60
Civil Constructors, LLC		\$7.3000	\$21,367.10
Rogers Group, Inc.		\$10.4100	\$30,470.07
797-11.39 TV INSPECTION			
	3,162.000 L.F.		
Eutaw Construction Company, Inc.		\$1.8000	\$5,691.60
Civil Constructors, LLC		\$2.2000	\$6,956.40
Rogers Group, Inc.		\$1.9100	\$6,039.42
797-40.01 Concrete Encasement			
	575.000 L.F.		
Eutaw Construction Company, Inc.		\$82.0000	\$47,150.00
Civil Constructors, LLC		\$113.0000	\$64,975.00
Rogers Group, Inc.		\$87.0600	\$50,059.50



November 5, 2018

Mr. Robin Lovett, P.E.
Gresham Smith and Partners
222 Second Ave South, Suite 1400
Nashville, TN 37201
(615) 770-8178

RE: Contract: CNR260
Project No.: STP/M-247(9), 60020-3201-54, 94031-3209-54
Duplex Road (SR247) from US 31 to west of I-65 in Spring Hill
Maury and Williamson Counties

Mr. Lovett:

Eutaw Construction Company, Inc. respectfully requests the pay item below be added to the contract for the sewer line "F" modifications.

<u>Item No.</u>	<u>Description</u>	<u>Qty/Unit</u>	<u>Unit Price</u>	<u>Total</u>
797-07.62	Manhole Modification	1.0 EA	\$2,865.00	\$2,865.00

If you have any questions or need additional information, please feel free to call.

Sincerely,
Eutaw Construction Company, Inc.

Ryan H. Cary
Senior Project Manager

CC: Jerome Dempsey, P.E. – Dempsey, Dilling & Associates, P.C.
Hunter Dykes, P.E. - TDOT

TENNESSEE
111 Southeast Parkway Ct.
Franklin, Tennessee 37064
615-538-4261 • F: 615-236-9953

CORPORATE
P.O. Box 2482 • 167 Orchard Ln.
Madison, Mississippi 39110
601-855-7474 • F: 601-855-7787

NORTH MISSISSIPPI
P.O. Box 36 • 109 W. Commerce St.
Aberdeen, Mississippi 39730
662-369-8868 • F: 662-369-7770

SOUTH MISSISSIPPI
410 Old Richton Rd.
Petal, Mississippi 39465
601-544-0168 • F: 601-544-0195

CNR260 Duplex Road

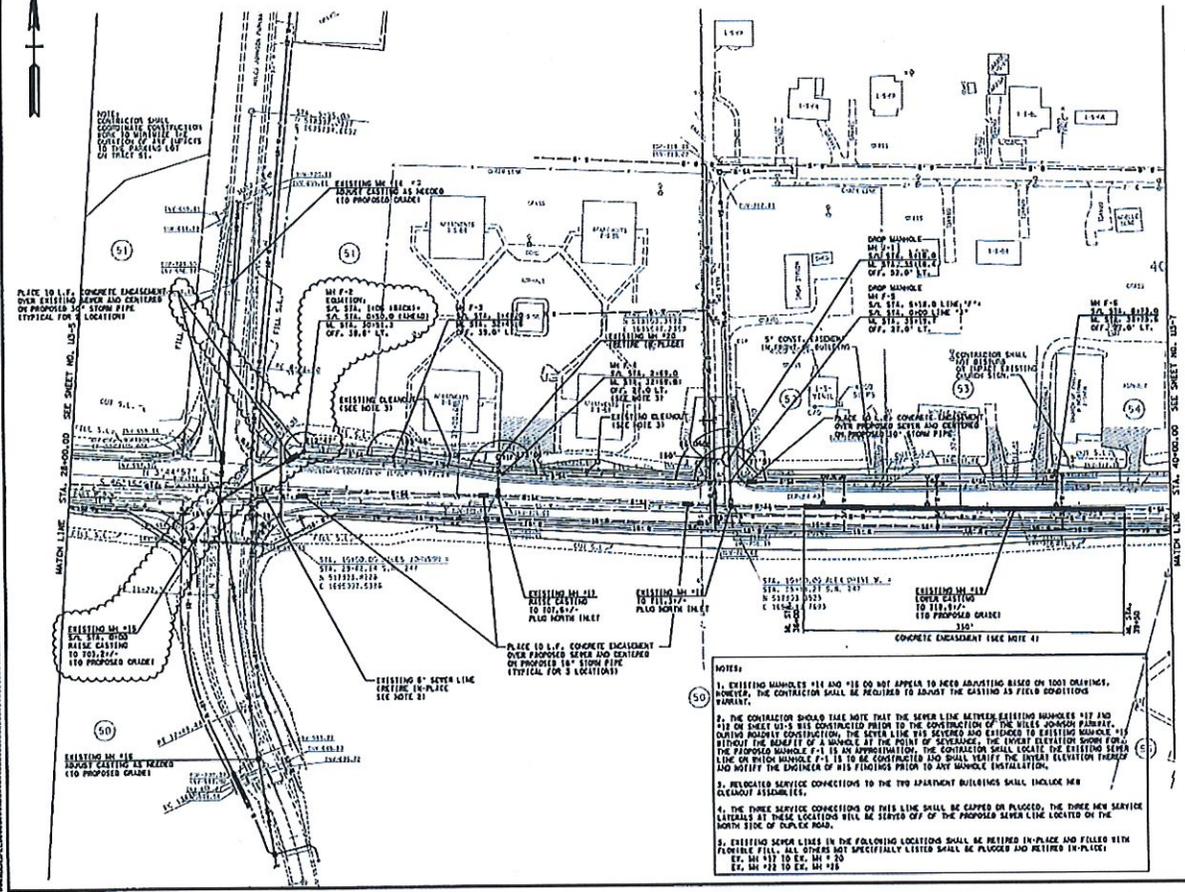
797-07.62 Manhole Modification (F2) 1 EACH						
	Description	Unit	UM	Unit Cost	Total Cost	Subtotals
Sub		1	EA		\$ -	\$ -
Material	Re-work Invert:					\$ 1,865.29
	Portland Cement	1	EA	\$ 37.42	\$ 37.42	
	Sand	2	EA	\$ 6.97	\$ 13.94	
	Core MHF2 & Boot	1	EA	\$ 455.00	\$ 455.00	
	MHF1	1	EA	\$ 1,201.00	\$ 1,201.00	
	Sales Tax included above			9.25%	\$ 157.93	
Equipment	Excavator, PC138	0.5	HRS	\$ 65.00	\$ 32.50	\$ 78.50
	Truck, Pickup--Personnel	4	HRS	\$ 11.50	\$ 46.00	
Labor	Foreman	4	HRS	\$ 40.00	\$ 160.00	\$ 523.53
	Equipment Operator	4	HRS	\$ 21.16	\$ 84.64	
	Laborer	8	HRS	\$ 16.50	\$ 132.00	
	Labor Burden	1	LS	39%	\$ 146.89	
Totals	Total Direct Cost					\$ 2,467.32
	OH & Profit (15%)					\$ 370.10
	Bond (1%)					\$ 28.37
	Total Price					\$ 2,865.79
	Unit Price (EACH)					\$ 2,865.79

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



TYPE	YEAR	PROJECT NO.	SHEET NO.
CONSTR.	2017	60010-2024-01	01-2
CONSTR.	2017	64031-5229-01	

REV. 04-21-19 Revised signs and construction document on Tract 51, Spring Hill, Tenn. Proposed Temporary Easement for "Paved Right of Way" Easement. Flood rate is Tract 51.
REV. 11-04-15 Added note to avoid existing sign on Tract 51.



- NOTES:
- EXISTING MANHOLES #11 AND #12 DO NOT APPEAR TO NEED ADJUSTING BASED ON TOOL DRAWINGS. HOWEVER, THE CONTRACTOR SHALL BE REQUIRED TO ADJUST THE CASTING AS FIELD CONDITIONS WARRANT.
 - THE CONTRACTOR SHOULD TAKE NOTE THAT THE SEWER LINE BETWEEN EXISTING MANHOLES #11 AND #12 ON SHEET 01-1 IS BEING CONTRACTED PRIOR TO THE COMPLETION OF THE WILES JOHNSON PARKWAY. DURING ROADWAY CONSTRUCTION, THE SEWER LINE WILL BE SECURED AND EXPOSED TO EXISTING MANHOLE #11 WITHOUT THE BENEFIT OF A MANHOLE AT THE POINT OF SEWERAGE. THE LOWEST ELEVATION SHOWN FOR THE PROPOSED MANHOLE #11 IS AN APPROXIMATION. THE CONTRACTOR SHALL LOCATE THE EXISTING SEWER LINE OR PRIOR MANHOLE #11 TO BE CONSTRUCTED AND SHALL VERIFY THE INTERNAL ELEVATION THEREOF AND NOTIFY THE ENGINEER OF HIS FINDINGS PRIOR TO ANY MANHOLE INSTALLATION.
 - RELATED SERVICE CONNECTIONS TO THE TWO APARTMENT BUILDINGS SHALL INCLUDE NEW CLEANOUT ASSEMBLIES.
 - THE THREE SERVICE CONNECTIONS ON THIS LINE SHALL BE CAPPED OR PLUGGED. THE THREE NEW SERVICE LATERALS AT THESE LOCATIONS WILL BE SERVED OFF OF THE PROPOSED SEWER LINE LOCATED ON THE NORTH SIDE OF PUBLIC ROAD.
 - EXISTING SEWER LINES IN THE FOLLOWING LOCATIONS SHALL BE RETIRED IN-PLACE AND FILLED WITH FLEETING FILL. ALL OTHERS NOT SPECIFICALLY LISTED SHALL BE PLUGGED AND RETIRED IN-PLACE:
EX. MH #12 TO EX. MH #10
EX. MH #22 TO EX. MH #20

13-E-1018
CHANGE ORDER NO. 4
EXISTING MH#11 AND MH#12

SEALED BY

COORDINATOR: [Name], CIVIL
AND APC, BIRMINGHAM, AL
FACTORY OF GOODNESS AND THE USE OF THE LOWEST ELEVATIONS ARE REFERENCED TO THE NAVD 83.

CITY OF SPRING HILL

PRESENT LAYOUT
STA. 28+00.00 TO STA. 40+00.00
SCALE: 1"=40'

