

Department of Engineering
Dan Gaillet, P.E., County Engineer

3137 South Liberty Street, Canton, MS 39046
Office (601) 790-2525 FAX (601) 859-3430

MEMORANDUM

August 15, 2018

To: Sheila Jones, Supervisor, District I
Trey Baxter, Supervisor, District II
Gerald Steen, Supervisor, District III
David Bishop, Supervisor, District IV
Paul Griffin, Supervisor, District V

From: Dan Gaillet, P.E. 
County Engineer

Re: Change Order #3
Robinson Springs Road

The Engineering Department recommends that the Board President be authorized to sign Final Change Order #3 for Robinson Springs Road Improvements which results in a net decrease in the amount of \$256,842.30.

As a result, the final contract price for the Project is \$1,777,266.97.

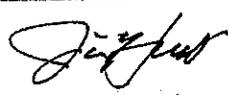
CONTRACT CHANGE ORDER

| | | | |
|-------------------------|-------------------------------------|-------------------------|--------------------------------|
| PROJECT NAME | Robinson Springs Road Improvements | | |
| LOCATION OF WORK | Madison County, MS | | |
| CONTRACT NO. | N/A | CHANGE ORDER NO. | Three (3) & Summary |
| REQUESTING PARTY | Madison County Board of Supervisors | DATE OF REQUEST | July 31, 2018 |
| COUNTY ENGINEER | Dan Gaillet | CONTRACTOR | Walters Construction Co., Inc. |
| OWNER | Madison County Board of Supervisors | ENGINEER | H1 Services, LLC |

CONTRACTOR IS DIRECTED TO COMPLETE THE FOLLOWING CHANGES IN CONTRACT DOCUMENTS

| | |
|--|--|
| DESCRIPTION OF CHANGES NEEDED | Adjustment of quantities to close out contract. |
| REASON FOR CHANGE | Change requested to adjust quantities to close out contract. |
| SUPPORT AND JUSTIFICATION DOCUMENTS | List all attached documents which support the requested change, and justify any increased cost and time. See the attached quantity adjustments and justification. |
| SPECIFICATIONS | Mississippi Standard Specifications for Road and Bridge Construction, Office of State Aid Road Construction, 2004 Edition |

| CHANGE IN CONTRACT PRICE | | CHANGE IN CONTRACT TIMES | |
|---|----------------|--|---------------|
| ORIGINAL PRICE | \$1,986,464.12 | ORIGINAL TIMES | 100 Work Days |
| NET CHANGES OF PREVIOUS CHANGE ORDERS | \$47,645.15 | NET CHANGES OF PREVIOUS CHANGE ORDERS IN DAYS | 10 Work Days |
| NET INCREASE / DECREASE | (\$256,842.30) | NET INCREASE / DECREASE | 0 Work Days |
| TOTAL CONTRACT PRICE WITH APPROVED CHANGES | \$1,777,266.97 | TOTAL CONTRACT TIME WITH APPROVED CHANGES | 110 Work Days |

| | | | |
|--|---|--|--|
| RECOMMENDED BY H1 Services, LLC |  07/31/18 | APPROVED BY Madison County, MS | |
| DATE | | DATE | |
| ACCEPTED BY Walters Construction Co., Inc. | | | |
| DATE | | | |

CONTRACT QUANTITIES AND COSTS

| Pay Item No. | Description | Unit | Quantity | Unit Price | Amount |
|------------------------------|---|-----------|----------|---------------|------------------------|
| ROADWAY ITEMS | | | | | |
| S-202-D | REMOVAL OF PAVEMENT (ALL DEPTHS) | 18,603.44 | SQ.YD. | \$ 4.00 | \$ 74,413.76 |
| S-203-A | UNCLASSIFIED EXCAVATION (FM) | 3,220.00 | C.Y. | \$ 15.00 | \$ 48,300.00 |
| S-203-E1 | BORROW EXCAVATION (FME)(CONTRACTOR FURNISHED MILLED ASPHALT) | 3,720.00 | C.Y. | \$ 23.00 | \$ 85,560.00 |
| S-304-A | GRANULAR MATERIAL (LVM)(CLASS 5, GROUP C) | 325.00 | C.Y. | \$ 24.40 | \$ 7,930.00 |
| S-304-D | CRUSHED STONE | 2,440.00 | TONS | \$ 58.00 | \$ 141,520.00 |
| 901-S-401-A | HOT MIX ASPHALT, BASE COURSE (BB-1)(TYPE 6)(BASE REPAIR) | 6,700.00 | TONS | \$ 74.95 | \$ 502,165.00 |
| 901-S-401-B | HOT BITUMINOUS PAVEMENT LEVELING COURSE (BC-1)(TYPE 6) | 4,500.00 | TONS | \$ 88.95 | \$ 400,275.00 |
| 901-S-403-D | HOT BITUMINOUS PAVEMENT SURFACE COURSE (SC-1)(TYPE 8) | 4,640.00 | TONS | \$ 83.50 | \$ 387,440.00 |
| S-608-B | CONCRETE DRIVEWAY | 282.00 | SQ.YD. | \$ 109.75 | \$ 30,949.50 |
| S-621-C | 4" WIDE THERMOPLASTIC EDGE STRIPE (CONTINUOUS WHITE)(60 MILS) | 5.864 | MILE | \$ 1,218.00 | \$ 7,142.35 |
| S-621-E-2 | 4" WIDE THERMOPLASTIC TRAFFIC STRIPE (CONTINUOUS YELLOW)(90 MILS) | 5.864 | MILE | \$ 1,462.00 | \$ 8,573.17 |
| S-621-H-1 | THERMOPLASTIC LEGEND (WHITE)(120 MILS) TWO-WAY YELLOW REFLECTIVE HIGH | 420.00 | LF | \$ 2.10 | \$ 882.00 |
| S-627-L | PERFORMANCE RAISED MARKERS REFLECTORIZED TRAFFIC WARNING SIGN | 387.00 | EA | \$ 6.00 | \$ 2,322.00 |
| S-630-A | (ENCAPSULATED LENS) REFLECTORIZED TRAFFIC REGULATORY SIGN | 9.00 | EA | \$ 197.00 | \$ 1,773.00 |
| S-630-B | (ENCAPSULATED LENS) REFLECTORIZED TRAFFIC OBJECT MARKER | 20.00 | EA | \$ 265.00 | \$ 5,300.00 |
| S-630-C | (ENCAPSULATED LENS)(TYPE 3) | 20.00 | EA | \$ 118.00 | \$ 2,360.00 |
| 901-S-899-A | CONTINGENCY ALLOWANCE | 0.0811560 | L.S. | \$ 100,000.00 | \$ 8,115.60 |
| 901-S-899-C | CONTINGENCY ALLOWANCE - RELOCATE MAILBOXES | 30 | EACH | \$ 250.00 | \$ 7,500.00 |
| EROSION CONTROL ITEMS | | | | | |
| 901-S-212-A | AGRICULTURAL LIMESTONE | 2.0 | TON | \$ 121.00 | \$ 242.00 |
| S-212-F | COMMERCIAL FERTILIZER (13-13-13) | 1.0 | TON | \$ 1,219.00 | \$ 1,219.00 |
| S-212-B | AMMONIUM NITRATE | 0.1 | TON | \$ 1,219.00 | \$ 121.90 |
| S-214-A | SEEDING | 1.0 | AC | \$ 1,463.00 | \$ 1,463.00 |
| S-215-A | VEGETATIVE MATERIALS FOR MULCH | 2.0 | TON | \$ 365.00 | \$ 730.00 |
| Total | | | | | \$ 1,726,297.28 |

REVISED QUANTITIES AND COSTS

| Pay Item No. | Description | Unit | Quantity | Unit Price | Amount |
|---|--|------|-----------|--------------------|------------------------|
| ROADWAY ITEMS | | | | | |
| S-202-D | REMOVAL OF PAVEMENT (ALL DEPTHS) | | 18,418.01 | SQ.YD. \$ 4.00 | \$ 73,672.04 |
| S-203-A | UNCLASSIFIED EXCAVATION (FM) | | 1,063.61 | C.Y. \$ 15.00 | \$ 15,954.15 |
| S-203-E1 | BORROW EXCAVATION (FME)(CONTRACTOR FURNISHED MILLED ASPHALT) | | 1,475.44 | C.Y. \$ 23.00 | \$ 33,935.12 |
| S-304-A | GRANULAR MATERIAL (LVM)(CLASS 5, GROUP C) | | 96.00 | C.Y. \$ 24.40 | \$ 2,342.40 |
| S-304-D | CRUSHED STONE | | 1,705.56 | TONS \$ 58.00 | \$ 98,922.48 |
| 901-S-401-A | HOT MIX ASPHALT, BASE COURSE (BB-1)(TYPE 6)(BASE REPAIR) | | 6,669.61 | TONS \$ 74.95 | \$ 499,887.27 |
| 901-S-401-B | HOT BITUMINOUS PAVEMENT LEVELING COURSE (BC-1)(TYPE 6) | | 4,386.92 | TONS \$ 88.95 | \$ 390,216.53 |
| 901-S-403-D | HOT BITUMINOUS PAVEMENT SURFACE COURSE (SC-1)(TYPE 8) | | 3,860.59 | TONS \$ 83.50 | \$ 322,359.27 |
| S-608-B | CONCRETE DRIVEWAY | | - | SQ.YD. \$ 109.75 | \$ - |
| S-621-C | 4" WIDE THERMOPLASTIC EDGE STRIPE (CONTINUOUS WHITE)(60 MILS) | | 5.750 | MILE \$ 1,218.00 | \$ 7,003.50 |
| S-621-E-2 | 4" WIDE THERMOPLASTIC TRAFFIC STRIPE (CONTINUOUS YELLOW)(90 MILS) | | 5.860 | MILE \$ 1,462.00 | \$ 8,567.32 |
| S-621-H-1 | THERMOPLASTIC LEGEND (WHITE)(120 MILS) | | 354.00 | LF \$ 2.10 | \$ 743.40 |
| S-627-L | TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS | | 291.00 | EA \$ 6.00 | \$ 1,746.00 |
| S-630-A | REFLECTORIZED TRAFFIC WARNING SIGN (ENCAPSULATED LENS) | | 10.00 | EA \$ 197.00 | \$ 1,970.00 |
| S-630-B | REFLECTORIZED TRAFFIC REGULATORY SIGN (ENCAPSULATED LENS) | | 22.00 | EA \$ 265.00 | \$ 5,830.00 |
| S-630-C | REFLECTORIZED TRAFFIC OBJECT MARKER (ENCAPSULATED LENS)(TYPE 3) | | - | EA \$ 118.00 | \$ - |
| 901-S-899-A | CONTINGENCY ALLOWANCE | | 0.0000000 | L.S. \$ 100,000.00 | \$ - |
| 901-S-899-C | CONTINGENCY ALLOWANCE - RELOCATE MAILBOXES | | 24 | EACH \$ 250.00 | \$ 6,000.00 |
| 901-S-899-D | CONTINGENCY ALLOWANCE - THERMOPLASTIC DETAIL STRIPE(4" EQUIVALENT)(YELLOW) | | 470 | LF \$ 0.65 | \$ 305.50 |
| EROSION CONTROL ITEMS | | | | | |
| 901-S-212-A | AGRICULTURAL LIMESTONE | | 0.0 | TON \$ 121.00 | \$ - |
| S-212-F | COMMERCIAL FERTILIZER (13-13-13) | | 0.0 | TON \$ 1,219.00 | \$ - |
| S-212-B | AMMONIUM NITRATE | | 0.0 | TON \$ 1,219.00 | \$ - |
| S-214-A | SEEDING | | 0.0 | AC \$ 1,463.00 | \$ - |
| S-215-A | VEGETATIVE MATERIALS FOR MULCH | | 0.0 | TON \$ 365.00 | \$ - |
| Total | | | | | \$ 1,469,454.98 |
| Net Increase In Construction Costs | | | | | \$ (256,842.30) |

ATTACHMENT**A. Proposed: Decrease in contract quantity of the following items:**

| | |
|-------------|--|
| S-202-D | REMOVAL OF PAVEMENT (ALL DEPTHS) |
| Reason: | Contract quantity of Removal of Pavement was reduced because of decreased scope of driveway repair work. |
| S-203-A | UNCLASSIFIED EXCAVATION (FM) |
| Reason: | Contract quantity of Unclassified Excavation was reduced because of decreased scope of shoulder work. |
| S-203-E1 | BORROW EXCAVATION (FME)(CONTRACTOR FURNISHED MILLED ASPHALT) |
| Reason: | Contract quantity of Borrow Excavation was reduced because of decreased scope of shoulder work. |
| S-304-A | GRANULAR MATERIAL (LVM)(CLASS 5, GROUP C) |
| Reason: | Contract quantity of Granular Material was reduced because of decreased scope of shoulder work. |
| S-304-D | CRUSHED STONE |
| Reason: | Contract quantity of Granular Material was reduced because of decreased scope of shoulder work. |
| 901-S-401-A | HOT MIX ASPHALT BASE COURSE (BB-1)(TYPE 6), BASE REPAIR |
| Reason: | Contract quantity of Base Course was reduced because of decreased scope of base repair work. |
| 901-S-401-B | HOT BITUMINOUS PAVEMENT LEVELING COURSE (BC-1)(TYPE 6) |
| Reason: | Contract quantity of Leveling Course was reduced because of decreased scope of work. |
| 901-S-403-D | HOT BITUMINOUS PAVEMENT SURFACE COURSE (SC-1)(TYPE 8) |
| Reason: | Contract quantity of Surface Course was reduced because of decreased scope of work. |
| S-608-B | CONCRETE DRIVEWAY |
| Reason: | Contract quantity of Concrete Driveway was reduced because driveways were repaired with asphalt. |
| S-621-C | 4" WIDE THERMOPLASTIC EDGE STRIPE (CONTINUOUS WHITE){60 MILS} |
| Reason: | Contract quantity of Edge Stripe was reduced because of decreased scope of work. |
| S-621-E-2 | 4" WIDE THERMOPLASTIC TRAFFIC STRIPE (CONTINUOUS YELLOW){90 MILS} |
| Reason: | Contract quantity of Continuous Yellow was reduced because of decreased scope of work. |
| S-621-H-1 | THERMOPLASTIC LEGEND (WHITE){120 MILS} |
| Reason: | Contract quantity of Legend was reduced because of decreased scope of work. |
| S-627-L | TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS |
| Reason: | Contract quantity of Raised Markers was reduced because of decreased scope of work. |
| S-630-C | REFLECTORIZED TRAFFIC OBJECT MARKER (ENCAPSULATED LENS)(TYPE 3) |
| Reason: | Contract quantity of Object Markers was reduced because of decreased scope of work. |
| 901-S-899-A | CONTINGENCY ALLOWANCE |
| Reason: | Contract quantity for Contingency Allowance was adjusted for Thermoplastic Detail Yellow and diminish Contingency Allowance. |
| 901-S-899-C | CONTINGENCY ALLOWANCE - RELOCATE MAILBOXES |
| Reason: | Contract quantity of Relocate Mailboxes was reduced because of decreased scope of work. |
| 901-S-212-A | AGRICULTURAL LIMESTONE |
| Reason: | Contract quantity of Agricultural Limestone will not be needed. |
| S-212-F | COMMERCIAL FERTILIZER (13-13-13) |
| Reason: | Contract quantity of Commercial Fertilizer will not be needed. |
| S-212-B | AMMONIUM NITRATE |
| Reason: | Contract quantity of Ammonium Nitrate will not be needed. |
| S-214-A | SEEDING |
| Reason: | Contract quantity of Seeding will not be needed. |
| S-215-A | VEGETATIVE MATERIALS FOR MULCH |
| Reason: | Contract quantity of Vegetative Materials for Mulch will not be needed. |

A. Proposed: Increase in contract quantity of the following items:

| | |
|-------------|---|
| S-630-A | REFLECTORIZED TRAFFIC WARNING SIGN (ENCAPSULATED LENS) |
| Reason: | Contract quantity of Warning Signs was increased because of increased scope of work. |
| S-630-B | REFLECTORIZED TRAFFIC REGULATORY SIGN (ENCAPSULATED LENS) |
| Reason: | Contract quantity of Regulatory Signs was increased because of increased scope of work. |
| 901-S-699-D | EQUIVALENT)(YELLOW) |
| Reason: | A pay item was added to facilitate double yellow detail stripe at each intersection. |

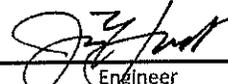
OVERRUN AND UNDERRUN STATEMENT ON MAJOR ITEMS OF WORK ON THE ABOVE REFERENCED PROJECT

Robinson Springs Road Improvements

| Pay Item Number | Item Description | Unit | Quantity | | | |
|----------------------|---|------|----------------------|------------|---------|-----------|
| | | | Contract CCR #1, & 2 | Final | Overrun | Underrun |
| ROADWAY ITEMS | | | | | | |
| S-200-A | Mobilization | LS | 1.000 | 1.000 | N/A | N/A |
| S-202-D | Removal of Asphalt Pavement (All Depths) a. Quantities for construction were less than contract quantity. | SY | 18,603.440 | 18,418.010 | N/A | 185.430 |
| S-203-A | Unclassified Excavation (FM) a. Quantities for construction were less than contract quantity. | CY | 3,220.000 | 1,063.610 | N/A | 2,156.390 |
| S-203-E1 | Borrow Excavation (FME)(Contractor Furnished)(Class 9-6) a. Quantities for construction were less than contract quantity. | CY | 3,720.000 | 1,475.440 | N/A | 2,244.560 |
| S-304-A | Granular Material (LVM)(Class 5, Group C) a. Quantities for construction were less than contract quantity. | CY | 325.000 | 96.000 | N/A | 229.000 |
| S-304-D | Crushed Stone a. Quantities for construction were less than contract quantity. | TON | 2,440.000 | 1,705.560 | N/A | 734.440 |
| 901-S-401-A | Hot Mix Asphalt Base Course, BB-1, Type 6, Base Repair a. Quantities for construction were less than contract quantity. | TON | 6,700.000 | 6,669.610 | N/A | 30.390 |
| 901-S-401-B | Hot Bituminous Pavement Leveling Course, BC-1, Type 6 a. Quantities for construction were less than contract quantity. | TON | 4,500.000 | 4,386.920 | N/A | 113.080 |
| 901-S-403-D | Hot Bituminous Pavement Surface Course, SC-1, Type 8 a. Quantities for construction were less than contract quantity. | TON | 4,640.000 | 3,860.590 | N/A | 779.410 |
| S-406-A | Cold Milling of Bituminous Pavement, All Depths | SY | 38,437.330 | 38,437.330 | N/A | N/A |
| S-608-B | Concrete Driveway a. Quantities for construction were less than plan quantity. | SY | 282.000 | - | N/A | 282.000 |
| S-618-A | Maintenance of Traffic | LS | 1.000 | 1.000 | N/A | N/A |
| S-618-B | Additional Construction Signs | SF | - | - | N/A | N/A |
| S-621-C | 4" Wide Thermoplastic Edge Stripe (Continuous White)(60 mils) a. Quantities for construction were less than plan quantity. | MI | 5.864 | 5.750 | N/A | 0.114 |

| | | | | | | |
|------------------------------|---|-----|---------|---------|---------|--------|
| S-621-E-2 | 4" Wide Thermoplastic Traffic Stripe (Continuous Yellow)(90 mils) a. Quantities for construction were less than plan quantity. | MI | 5.864 | 5.860 | N/A | 0.004 |
| S-621-H-1 | Thermoplastic Legend(White)(120 mils) a. Quantities for construction were less than plan quantity. | LF | 420.000 | 354.000 | N/A | 66.000 |
| S-627-L | Two-Way Yellow Reflective High Performance Raised Markers a. Quantities for construction were less than plan quantity. | EA | 387.000 | 291.000 | N/A | 96.000 |
| S-630-A | Reflectorized Traffic Warning Sign (Encapsulated Lens) a. Quantities for construction were more than plan quantity. | EA | 9.000 | 10.000 | 1.000 | N/A |
| S-630-B | Reflectorized Traffic Regulatory Sign (Encapsulated Lens) a. Quantities for construction were more than plan quantity. | EA | 20.000 | 22.000 | 2.000 | N/A |
| S-630-C | Reflectorized Traffic Object Marker (Encapsulated Lens) (Type 3) a. Quantities for construction were less than plan quantity. | EA | 20.000 | - | N/A | 20.000 |
| 901-S-699-A | Roadway Construction Stakes | LS | 1.000 | 1.000 | N/A | N/A |
| 901-S-899-A | Contingency Allowance | LS | 1.000 | 1.000 | N/A | N/A |
| 901-S-899-B | Contingency Allowance - Profilograph | LS | 1.000 | 1.000 | N/A | N/A |
| 901-S-899-C | Contingency Allowance Relocate Mailboxes a. Quantities for construction were less than contract quantity. | EA | 30.000 | 24.000 | N/A | 6.000 |
| 901-S-899-D | Contingency Allowance - Thermoplastic Detail Stripe (4" Equivalent)(Yellow) a. Quantities for Detail Yellow Stripe were needed at intersections. | LF | - | 470.000 | 470.000 | N/A |
| EROSION CONTROL ITEMS | | | | | | |
| 901-S-212-A | Agricultural Limestone a. Quantities for construction were less than plan quantity. | TON | 2.000 | - | N/A | 2.000 |
| S-212-F | Commercial Fertilizer (13-13-13) a. Quantities for construction were less than plan quantity. | TON | 1.000 | - | N/A | 1.000 |
| S-212-B | Ammonium Nitrate a. Quantities for construction were less than plan quantity. | TON | 0.100 | - | N/A | 0.100 |

| | | | | | | |
|---------|--|-----|-------|---|-----|-------|
| S-214-A | Seeding a. Quantities for construction were less than plan quantity. | AC | 1.000 | - | N/A | 1.000 |
| S-215-A | Vegetative Materials for Mulch a. Quantities for construction were less than plan quantity. | TON | 2.000 | - | N/A | 2.000 |
| S-233-A | Temporary Silt Fence (Type I)(AOS 0.15-0.84) | LF | - | - | N/A | N/A |



Engineer

Date: 08/15/18