

SECTION 00806

CHANGE ORDER

No. 1

DATE OF ISSUANCE December 8, 2015

EFFECTIVE DATE 2/2/16

OWNER St. Charles Parish
CONTRACTOR Barriere Construction Co., L.L.C.
Contract: 2015 Road Maintenance Program
Project: Road Maintenance 2015
OWNER's Contract No. P111002-18 ENGINEER's Project No. 51.2060105.018
ENGINEER GEC, Inc.

You are directed to make the following changes in the Contract Documents:

Description: *See attached example on how to fill in this information*

1. Delete the Following Work Items:

- a. Base Bid Item #7: *Adjustment of Drainage Structures*
Delete item in its entirety. (- \$300.00)
- b. Base Bid Item #9: *Relocation of Infrastructure Items*
Delete item in its entirety. (- \$20,000.00)
- c. Base Bid Item #11: *Shoulder Material (Stone Fill)*
Delete item in its entirety. (- \$10,011.75)
- d. Alternate Bid Item #7: *Adjustment of Drainage Structures*
Delete item in its entirety. (- \$350.00)

Total of Deduction of Items = (- \$30,661.75)

2. Add the Following Work Items:

- a. Alternate Bid Item #13: *Additional Mobilization*
Add Lump Sum item. (+ \$10,000.00)

Total of Addition of Items = (+ \$10,000.00)

3. Revise the Following Work Item Quantities:

- a. Base Bid Item #2: *2 - Inch Depth Cold Plane*
The quantity is to be changed to 24,535.40 SY. (+ \$ 2,006.40)
- b. Base Bid Item #3: *2 - Inch Depth Asphaltic Wearing Course*
The quantity is to be changed to 3,131.25 TON. (+ \$ 60,752.25)
- c. Base Bid Item #4: *6 - Inch Depth Asphalt Patching*
The quantity is to be changed to 981.15 TON. (- \$ 5,050.50)

- d. Base Bid Item #5: *Reflectorized Raised Pavement Markers*
The quantity is to be changed to 50 EACH. (+ \$ 162.00)
- e. Base Bid Item #6: *Adjustment of Manholes*
The quantity is to be changed to 1 EACH. (- \$ 500.00)
- f. Base Bid Item #8: *Adjustment of Water Valves*
The quantity is to be changed to 1 EACH (- \$ 175.00)
- g. Base Bid Item #10: *Shoulder Material (Earthen Fill)*
The quantity is to be changed to 10,235 L.F. (+ \$ 6,093.90)
- h. Base Bid Item #12: *Shoulder Material (Reclaimed Material)*
The quantity is to be changed to 2,005 L.F. (- \$ 5,574.00)
- i. Alternate Bid Item #2: *2 - Inch Depth Cold Plane*
The quantity is to be changed to 34,475.4 S.Y. (+ \$ 6,571.40)
- j. Alternate Bid Item #3: *2 - Inch Depth Asphaltic Wearing Course*
The quantity is to be changed to 4112.31 TON. (+ \$ 97,027.83)
- k. Alternate Bid Item #4: *6 - Inch Depth Asphalt Patching*
The quantity is to be changed to 1884.02 TON. (- \$ 25,997.40)
- l. Alternate Bid Item #5: *Reflectorized Raised Pavement Markers*
The quantity is to be changed to 71 EACH. (+ \$ 264.00)
- m. Alternate Bid Item #6: *Adjustment of Manholes*
The quantity is to be changed to 6 EACH. (- \$ 100.00)
- n. Alternate Bid Item #8: *Adjustment of Water Valves*
The quantity is to be changed to 4 EACH. (- \$ 105.00)
- o. Alternate Bid Item #9: *Shoulder Material (Earthen Fill)*
The quantity is to be changed to 19,211 L.F. (+ \$ 16,968.15)
- p. Alternate Bid Item #10: *Shoulder Material (Stone Fill)*
The quantity is to be changed to 595 L.F. (- \$ 10,582.25)
- q. Alternate Bid Item #11: *Shoulder Material (Reclaimed Material)*
The quantity is to be changed to 300 L.F. (- \$ 9,513.00)

Total of Change in Work Items Quantity = (+ \$ 132,248.78)

Reason for Change Order:

- 1. Deleted Work Items
 - a. The Adjustment of Drainage Structures (base bid) item was estimated on the total length of the project prior to bid, but was not required during construction.
 - b. The Relocation of Infrastructure (base bid) item was included to relocate utility structures should they have been found during construction. There were no utility structures found, therefore this item was not required.

- c. The Stone Fill Shoulder Material (base bid) item was estimated on the total length of the project prior to bid, but was not required during construction. The earthen fill shoulder material was used in most of the areas where this item was estimated to have been used.
- d. The Adjustment of Drainage Structures (alternate bid) item was estimated on the total length of the project prior to bid, but was not required during construction.

2. Add Work Items

- a. Additional cold plane and overlay work on Sixth St. was requested by the Parish after all cold plane and overlay operations had been completed for this program. The addition of another mobilization item in the amount of \$10,000.00 was included to bring the equipment back to Sixth St. to do this work.

3. Revise Work Item Quantities

- a. There was an additional 2,006.40 square yards of cold planing that took place under the base bid. This 9% overrun is due to the additional 2,416 square yards of work that took place on James Drives East & West, next to the Bunge plant, per the Parish's request.
- b. The wearing course increase of 653.25 tons is due to the work next to the Bunge plant as mentioned in section 3a. The estimated quantity from James Dr. is 733.46 tons, which brings the quantity above what was originally estimated.
- c. The removal of 38.85 tons for 6 inch patching is a result of the construction quantity differing by 4% of the estimated quantity.
- d. The reflectorized raised pavement markers were estimated on total length of project prior to bid, but quantities from construction required this item to be increased by 27. These markers are placed to show the location of fire hydrants along a street. Where a hydrant is located on the corner of a street within this program, markers were also added to the nearby intersecting street, even though that street may not be in this program. This was done for the benefit, safety, and welfare of the general public.
- e. The adjustment of manholes was estimated on total length of project prior to bid, but quantities from construction resulted in a decrease of 1 manhole adjustment.
- f. The adjustment of water valves was estimated on total length of project prior to bid, but quantities from construction resulted in a decrease of 5 water valve adjustments.
- g. Of all 3 shoulder material contract items, the earthen material was almost exclusively used for streets that fell under the base bid. The estimated quantities for the 3 different shoulder materials were broken down evenly for each of the items; the stone item was not used and the reclaimed asphalt was only used on James Dr. for the base bid.
- h. There was an additional 6,571.40 square yards of cold planing that took place under the Alternate 1 bid streets. The majority of this overrun is due to the additional work requested by the Parish on Sixth St., which resulted in 6,570.5 square yards of cold planing. The added quantity is a 24% increase.
- i. The wearing course increase of 1,043.31 tons has multiple reasons for being increased. As stated in 3h above, the majority of this overrun is due to the additional work requested by the Parish on Sixth St., which resulted in 762.43 additional tons of wearing course. Approximately 83 tons were placed on Loupe St., which was also additional work added to this program per the request of the Parish. The remaining overrun quantities are due to the bid quantities being estimated prior to construction and added quantity to assist in drainage, especially at cul-de-sacs.

- j. The removal of 199.98 tons for 6 inch patching is a result of the construction quantity differing by 10% of the estimated quantity.
- k. Similar to 3d above, the reflectorized raised pavement markers were estimated on total length of project prior to bid, but quantities from construction required this item to be increased by 71. Markers were added to intersecting streets, even though that street may not be in this program, where a hydrant is located on the corner of a street in this program.
- l. The adjustment of manholes was estimated on total length of project prior to bid, but quantities from construction resulted in a decrease of 1 manhole adjustment.
- m. The adjustment of water valves was estimated on total length of project prior to bid, but quantities from construction resulted in a decrease of 3 manholes.
- n. As mentioned above in 3g, the earthen material was almost exclusively used in this project. The estimated quantities for the 3 different shoulder materials were broken down evenly for each of the items; earthen material was used in many places where the other shoulder materials were estimated to being used. Although there is an increase of 19,211 LF of this item, the stone material and RAP material items are decreased significantly.
- o. Only Loupe St. used stone as a shoulder material. The total amount used is 595 LF, or 9% of what was estimated for the Alternate 1 bid.
- p. Reclaimed Asphalt Pavement material was only used on Julia St. as shoulder material. The total amount used is 300 LF, or 5% of what was estimated for the Alternate 1 bid.

Attachments:

Executed Work Directive 1 for additional work on Loupe St. (addition of contract time included)
Executed Work Directive 2 for additional work on James Dr. East and West (addition of contract time included)
Executed Work Directive 3 for additional work on Sixth St. (addition of contract time included)

CHANGE IN CONTRACT PRICE:
Original Contract Price \$ <u>1,311,898.80</u>
Net Increase (Decrease) from previous Change Orders No. <u>-</u> to <u>-</u> : \$ <u>0.00</u>
Contract Price prior to this Change Order: \$ <u>1,311,898.80</u>
Net increase of this Change Order: \$ <u>111,587.03</u>
Contract Price with all approved Change Orders: \$ <u>1,423,485.83</u>

CHANGE IN CONTRACT TIMES:
Original Contract Time: Notice to Proceed: <u> </u> September 8, 2015 Final Completion Date: <u> </u> December 7, 2015 (90 Days)
Net change from previous Change Orders: (N/A) Notice to Proceed: <u> </u> September 8, 2015 Final Completion Date: <u> </u> December 7, 2015
Contract Time increased by this Change Order: Original Final Completion Date: <u> </u> December 7, 2015 Revised Final Completion Date: <u> </u> December 18, 2015 (11 Days)
Net increase for this Change Order: Revised Final Completion Date: <u> </u> December 18, 2015 Substantial Completion: <u> </u> November 23, 2015 (-25 days)
Contract Times with all approved Change Orders: Notice to Proceed: <u> </u> September 8, 2015 Substantial Completion: <u> </u> November 23, 2015 (77 days)

RECOMMENDED:

By: Aiel Howard
ENGINEER (Authorized Signature)

Date: 12/17/15

APPROVED:

By: [Signature]
OWNER (Authorized Signature)

Date: 2/2/16

ACCEPTED:

By: [Signature]
CONTRACTOR (Authorized Signature)

Date: 12/17/2015