

SECTION 00806

CHANGE ORDER

No. 1

DATE OF ISSUANCE March 10, 2015

EFFECTIVE DATE _____

OWNER St. Charles Parish
CONTRACTOR Barriere Construction Co., L.L.C.
Contract: 2014 Road Maintenance Program
Project: Road Maintenance 2014
OWNER's Contract No. P111002-15 ENGINEER's Project No. 51.2060105.015
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. (- \$400.00)
- b. Base Bid Item #8: *Adjustment of Water Valves*
Delete item in its entirety. (- \$280.00)
- c. Base Bid Item #9: *Relocation of Infrastructure Items*
Delete item in its entirety. (- \$20,000.00)
- d. Base Bid Item #11: *Shoulder Material (Stone Fill)*
Delete item in its entirety. (- \$16,232.00)
- e. Base Bid Item #12: *Shoulder Material (Reclaimed Material)*
Delete item in its entirety. (- \$12,174.00)
- f. Alternate Bid Item #7: *Adjustment of Drainage Structures*
Delete item in its entirety. (- \$450.00)
- g. Alternate Bid Item #10: *Shoulder Material (Stone Fill)*
Delete item in its entirety. (- \$18,136.00)

Total of Deduction of Items = (- \$67,672.00)

2. Add the Following Work Items:

- a. Base Bid Item #14: *Striping*
Addition of \$ 5,032.50 (L.S.). See attached cost estimate for details.
- b. Base Bid Item #15: *Closing abandoned pipe with flowable fill*
Addition of \$ 1,359.44 (L.S.). See attached cost estimate for details.

Total of Added Work Items = (+ \$6,391.94)

3. Revise the Following Work Item Quantities:

- a. Base Bid Item #2: 2 - Inch Depth Cold Plane
The quantity is to be changed to 32,971 SY. (+ \$ 22.00)
- b. Base Bid Item #3: 2 - Inch Depth Asphaltic Wearing Course
The quantity is to be changed to 4,075 TONS. (+ \$ 41,492.00)
- c. Base Bid Item #4: 6 - Inch Depth Asphalt Patching
The quantity is to be changed to 444 SY. (- \$ 250.00)
- d. Base Bid Item #5: Reflectorized Raised Pavement Markers
The quantity is to be changed to 3 EACH. (+ \$ 18.00)
- e. Base Bid Item #6: Adjustment of Manholes
The quantity is to be changed to 4 EACH. (- \$ 400.00)
- f. Base Bid Item #10: Shoulder Material (Earthen Fill)
The quantity is to be changed to 26,830 L.F. (+ \$ 23,392.50)
- g. Alternate Bid Item #2: 2 - Inch Depth Cold Plane
The quantity is to be changed to 43,546 SY. (+ \$ 5,061.00)
- h. Alternate Bid Item #3: 2 - Inch Depth Asphaltic Wearing Course
The quantity is to be changed to 5,150 SY. (+ \$ 84,364.00)
- i. Alternate Bid Item #4: 6 - Inch Depth Asphalt Patching
The quantity is to be changed to 940 SY. (+ \$ 24,125.00)
- j. Base Bid Item #5: Reflectorized Raised Pavement Markers
The quantity is to be changed to 3 EACH. (+ \$ 18.00)
- k. Alternate Bid Item #6: Adjustment of Manholes
The quantity is to be changed to 13 EACH. (+ \$ 400.00)
- l. Alternate Bid Item #8: Adjustment of Water Valves
The quantity is to be changed to 6 EACH. (- \$ 105.00)
- m. Alternate Bid Item #9: Shoulder Material (Earthen Fill)
The quantity is to be changed to 27,195 L.F. (+ \$ 22,658.75)
- n. Alternate Bid Item #9: Shoulder Material (Reclaimed Material)
The quantity is to be changed to 2,800 L.F. (- \$ 9,402.00)

Total of Change in Work Items Quantity = (+ \$ 191,394.25)

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 Adjustment of Water Valves (base bid) item was estimated on the total length of the project prior to bid, but was not required during construction.

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

2. Add Work Items

- a. Striping of the roadway was not included in the bid documents. Spruce St. had a crosswalk at the intersection of 5th St., so this item will put the crosswalk back into place. Oak Lane was added to this project, and requires a double yellow stripe and a stop bar at the intersection of Highway 90. This also includes crosswalk striping at the intersection of Pine St., which was not striped in last year's program.
- b. An abandoned pipe was found underneath the roadway of W. Pine St. To keep the pipe from deteriorating and collapsing, which would cause issues for the roadway right above it, the Parish requested that the pipe be filled with a material that will harden and would prevent the roadway issue.

3. Revise Work Item Quantities

- a. There was an additional 22 square yards of cold planning that took place. This is a 0.07% increase, and is most likely due to the bid quantities being estimated prior to the construction.
- b. The wearing course increase of 451 tons is due to the bid quantities being estimated prior to construction and added quantity to assist in drainage. Some areas would hold water had only 2 inches been placed, so the contractor increased the thickness to promote positive drainage where needed. Wearing course was also used to create aprons for drainage structures and driveways (when aprons were required).
- c. The removal of 2 square yards for 6 inch patching is a result of the construction quantity differing by 0.5% 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 3.
- e. The adjustment of manholes was estimated on total length of project prior to bid, but quantities from construction resulted in a decrease of 4 manholes.
- f. Of all 3 shoulder material contract items, 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; the stone item was not used and the reclaimed asphalt was used on only 2 streets.

- g. There was an additional 5,061 square yards of cold planning that took place, most likely do to the bid quantities being estimated prior to the construction and from Oak Lane being added to this project. The added quantity is a 13.15% increase.
- h. The wearing course increase of 917 tons has multiple reasons for being increased. The bid quantities being estimated prior to construction and added quantity to assist in drainage are 2 of the reasons why there is such a large increase. Some areas would hold water had only 2 inches been placed, so the contractor increased the thickness to promote positive drainage where needed. The third reason for the high increase is from Oak Ln. being added to the project.
- i. Patching quantities were increased mostly from Oak Lane being added to the project and for the work done on Hale St. that was not covered under the warranty work from the 2014 project.
- j. 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 3.
- k. The additional 4 manholes that required adjustment is due to the bid quantities being estimated prior to construction. The result is a \$400 increase to the contract amount.
- l. The adjustment of water valves was estimated on total length of project prior to bid, but quantities from construction resulted in a decrease of 4 manholes.
- m. As mentioned above in part 3-d, 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; the stone item was not used and the reclaimed asphalt was used on only 2 streets.
- n. Only 2 streets used reclaimed material as shoulder material. The remaining areas that required shoulder material was addressed with earthen fill shoulder material.

Attachments:

Striping breakdown

Southern Synergy Estimate

Barriere email with Southern Synergy estimate and mark-up percentage

Breakdown for adding flowable fill

CHANGE IN CONTRACT PRICE:
Original Contract Price \$ <u>1,265,580.00</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>1,265,580.00</u>
Net increase of this Change Order: \$ <u>130,114.19</u>
Contract Price with all approved Change Orders: \$ <u>1,395,694.19</u>

CHANGE IN CONTRACT TIMES:
Original Contract Times: 90 Days Notice to Proceed Date: <u>November 10, 2014</u> Project Completion Date: <u>February 7, 2015</u>
Net change from previous Change Orders No. <u>-</u> to No. <u>-</u>: Substantial Completion: _____ Ready for final payment: _____ (days)
Contract Times prior to this Change Order: Substantial Completion: _____ Ready for final payment: _____ (days or dates)
Net decrease from this Change Order: Project Completion Date: <u>February 7, 2015</u> Substantial Completion: <u>January 22, 2015</u> (-16 days)
Contract Times with all approved Change Orders: Notice to Proceed Date: <u>November 10, 2014</u> Substantial Completion: <u>January 22, 2015</u> (76 days)

RECOMMENDED:

By: Aid Toward
ENGINEER (Authorized Signature)

Date: 03/10/15

APPROVED:

By: [Signature]
OWNER (Authorized Signature)

Date: 4/8/15

ACCEPTED:

By: [Signature]
CONTRACTOR (Authorized Signature)

Date: 3/10/2015