

CHANGE ORDER APPROVAL FORM

PROJECT: Crawford Road Phase II
CHANGE ORDER NUMBER: 5
DATE: 01/26/2022
CONTRACT NUMBER: CM2935 WORK AUTHORIZATION NUMBER: N/A
TO CONTRACTOR: Anderson Columbia Co., Inc.
Account No(s). 63470541-563100 CRAW2

Description: Add 6,936 LF of sediment barrier; Add 329 LF of Turbidity Barrier; Add 310.13 TN of SP Asphalt TL-C, PG 76-22, PMA; Add 7.54 TN of Misc. Asphalt; Deduct 5.75 CY of RipRap Sand Cement; Add 13 EA RPMs.

Reason for Change Order: Pay Item Quantities adjusted to match installed quantities with exception of up o 105% of planned Asphalt quantity, per contract.

Original Contract Sum.....	\$	<u>4,059,848.14</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>19,503.59</u>
Contract Sum Prior to This Change Order.....	\$	<u>4,079,351.73</u>
Amount of this Change Order (INCREASE).....	\$	<u>+45,605.78</u>
New Contract Sum Including this Change Order.....	\$	<u>4,124,957.51</u>

The Contract Time will remain unchanged 0 (zero) days
Previous Substantial Completion: 08/19/2021 Previous Final Completion: 09/18/2021
New Substantial Completion: 08/19/2021 New Final Completion: 09/18/2021

APPROVED BY: Robert Companion DATE: 1/28/2022
 Department Head

APPROVED BY: Marshall Eyerman DATE: 1/28/2022
 Procurement Department

APPROVED BY: Marshall Eyerman DF DATE: 1/28/2022
 Office of Management and Budget

APPROVED BY: Denise C. May, Esq., BCS DATE: 1/31/2022
 County Attorney's Office

APPROVED BY: [Signature] DATE: 1/31/2022
 Taco E. Pope, AICP, County Manager

APPROVED BY: N/A DATE: _____
 Aaron C. Bell, Chairman

ATTEST: N/A DATE: _____
 John A. Crawford, Clerk of Courts

**SECTION 00 63 63
CHANGE ORDER REQUEST FORM**

(Instructions on 00 63 63-2) Crawford Road Phase II

No. 5

PROJECT

DATE OF ISSUANCE: 1/24/2022 **EFFECTIVE DATE:** _____
NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS
COUNTY Contract / Purchase Order No.: CM 2935
CONTRACTOR: Anderson Columbia **ENGINEER / ARCHITECT:** ETM

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

Description: Add 6,936 LF of Sediment Barrier; Add 329 LF of Floating Turbidity Barrier; Add 310.13 TN of SP Asphalt TL-C, PG 76-22, PMA; Add 7.54 TN of Miscellaneous Asphalt; Deduct 5.75 CY of RipRap Sand Cement; Add 13 EA Retro-Reflective Markers (RPM's).

Reason for Change Order: Pay Item Quantities adjusted to match installed quantities with exception to Asphalt. Asphalt payment allowed is up to 105% of original plan quantity, see backup for asphalt payment calculation.

Attachments: (List documents supporting change) – Estimate Quantity OverRun UnderRun Spreadsheet and Asphalt Placement Report with allowed payment calculation. Also included is a copy of the contract Asphalt Specifications for asphalt payment method.

<p>CHANGE IN CONTRACT PRICE:</p> <p>Original Contract Price</p> <p>\$ <u>4,059,848.14</u></p>	<p>CHANGE IN CONTRACT TIMES:</p> <p>Original Contract Times</p> <p>Substantial Completion: <u>225</u></p> <p>Ready for Final Payment: <u>255</u> (days or dates)</p>
<p>Net change from previous Change Orders No. 1 to No 4</p> <p>\$ <u>19,503.59</u></p>	<p>Net change from previous Change Orders No.1 to No.4</p> <p><u>42</u> (days)</p>
<p>Contract Price prior to this Change Order</p> <p>\$ <u>4,079,351.73</u></p>	<p>Contract Times Prior to this Change Order</p> <p>Substantial Completion: <u>267</u></p> <p>Ready for Final Payment: <u>297</u> (days or dates)</p>
<p>Net Increase (decrease) of this Change Order</p> <p>\$ <u>45,605.78</u></p>	<p>Net Increase (decrease) of this Change Order</p> <p><u>0</u> (days)</p>
<p>Contract Price with all approved Change Orders</p> <p>\$ <u>4,124,957.51</u></p>	<p>Contract Times with all approved Change Orders</p> <p>Substantial Completion: <u>267</u></p> <p>Ready for Final Payment: <u>297</u> (days or dates)</p>

RECOMMENDED:

By: [Signature]
Engineer/Architect (Authorized Signature)

Date: 1/26/2022

APPROVED:

By: Robert Companion
COUNTY (Authorized Signature)

Date: 1/28/2022

ACCEPTED:

By: [Signature]
Contractor (Authorized Signature)

Date: 1-26-22

Crawford Rd. PH II - CO No. 5 Qty. Breakdown

	Description	Add'l. Qty.	Unit	Est. Unit Cost	Total Price
104-10-3	Sediment Barrier	6936.00	LF	\$ 2.25	\$ 15,606.00
104-11	Floating Turbidity Barrier	329.00	LF	\$ 6.80	\$ 2,237.20
334-1-52	Superpave Asphaltic Asphalt, Traffic C, PG76-22, PMA	310.13	TN	\$ 97.02	\$ 30,088.81
339-1	Miscellaneous Asphalt	7.54	TN	\$ 195.00	\$ 1,470.30
530-1	RipRap, Sand-Cement	-5.75	CY	\$ 671.48	\$ (3,861.01)
706-3	Retro-Reflective Markers, BiDirectional, Yellow	13.00	EA	\$ 4.96	\$ 64.48
Estimate Total =					\$ 45,605.78

BY: 
 DATE: 1/21/2022

DENSITY REQUIRED:	2,638.56 tons
NON DENSITY REQUIRED:	0.00 tons
TOTAL TONS IN LOT:	2,638.56 tons

Intended Use	Pay Item #	Previous Total (Tons)	LOT Total (Tons)	Cumulative Total (Tons)	Previous Total (SY) or CY for ATPB	LOT Total (SY) or CY for ATPB	Cumulative Total (SY) or CY for ATPB
SPTL-C 78-22	334 1 53	4,121.43	2,626.56	6,747.99	47,386.06	27,980.46	75,376.52
Misc	339 1	177.63	21.00	198.63	1,377.67	202.22	1,579.89
No Pay Tonnage		0.00	12.00	12.00	0.00	133.33	133.33
Waste		1.00	23.86	24.86	0.00	0.00	0.00

Comments box:

Pay Item 334-1-53 (Total Placed = 6747.99 TM)
 Plan Qty = 6202.50 TM
 Allowable Pay = 105% of Plan Qty
 $\therefore 6202.50 \text{ TM} (1.05) = 6512.63 \text{ TM}$
 OR 310.13 TM OVER RUN

Pay Item 339-1 (Total Placed 198.63 TM)
 Plan Qty = 150.70 TM
 Allowable Pay = 105% of Plan Qty
 $\therefore 150.70 \text{ TM} (1.05) = 158.24 \text{ TM}$
 OR 7.54 TM OVER RUN

--	--	--	--

Invitation to Bid

Proposed Improvements for Crawford Road Phase II

NC20-021

SECTION 01 22 50**MEASUREMENT AND PAYMENT**

Work under this Contract shall be paid as designated below under the appropriate items associated with the Bid Schedule. Payment shall be in accordance with Lump Sum or Unit Price bid by the Contractor in his proposal.

When Lump Sum prices are contained in the Bid Schedule, the Contractor shall provide a detailed schedule of values for Lump Sum cost acceptable to the Engineer of Record and the County, which will be used for estimating partial payment requests.

Contractual costs for work not specifically mentioned under a payment item and which are incidental to the overall conduct of the work shall be included in the individual items at the Contractor's option. No additional charges shall be made to the County for items not specifically mentioned under individual payment items. Examples of these types of costs include, but are not limited to, the following: bonds, insurance, permits, licenses, traffic control, dust control, clean-up, temporary access, temporary facilities, soil erosion control, temporary drainage, temporary offices, restoration of disturbed areas, temporary utilities, test pits locating existing utilities, temporary water and sewer, surveying, layout, and other items similar to above.

Measurement and payment for all items shall be in accordance with the FDOT Standard Specifications for Road & Bridge Construction, (edition as stated on Construction Plans documents) with the exception that reduction in the FDOT acceptance criteria based on payment factors will not be allowed.



If the defective material is due to a gradation, asphalt binder content or density failure, upon the approval of the Engineer the Contractor may perform delineation tests on roadway cores in lieu of an engineering analysis to determine the limits of the defective material that may require removal and replacement. Prior to any delineation testing, all sampling locations shall be approved by the Engineer. All delineation sampling and testing shall be monitored and verified by the Engineer. For materials that are defective due to air voids, an engineering analysis is required.

When evaluating defective material by engineering analysis or delineation testing, at a minimum, evaluate all material located between passing QC, PC or IV test results. Exceptions to this requirement shall be approved by the Engineer.

334-6 Comparison Testing.

At the start of the project (unless waived by the Engineer) and at other times as determined necessary by the Engineer, provide split samples for comparison testing with the Engineer. The purpose of these tests is to verify that the testing equipment is functioning properly and that the testing procedures are being performed correctly. In the event that the Engineer determines that there is a problem with the Contractor's testing equipment and/or testing procedures, immediately correct the problem to the Engineer's satisfaction. In the event that the problem is not immediately corrected, cease production of the asphalt mixture until the problem is adequately resolved to the satisfaction of the Engineer.

If so agreed to by both the Contractor and the Engineer, the split sample used for comparison testing may also be used for the QC sample. The split sample used for comparison testing must also meet the requirements for IV testing described in 334-5.7.

334-7 Method of Measurement.

For the work specified under this Section (including the pertinent provisions of Sections 320 and 330), the quantity to be paid for will be the weight of the mixture, in tons. For each pay item, excluding overbuild, the pay quantity will be based on the quantity placed on the project, limited to 105% of the adjusted plan quantity for the pay item. The adjusted plan quantity will be determined by dividing the pay item's original plan quantity (including any Engineer approved quantity revisions) by the design G_{mm} stated in 334-1.4, then multiplying it by the tonnage-weighted average G_{mm} of the mixes used for the pay item.

The bid price for the asphalt mix will include the cost of the liquid asphalt and the tack coat application as directed in 300-8. There will be no separate payment or unit price adjustment for the asphalt binder material in the asphalt mix. For the calculation of unit price adjustments of bituminous material, the average asphalt content will be based on the percentage specified in 9-2.1.2. The weight will be determined as provided in 320-3.2 (including the provisions for the automatic recordation system).

Prepare and submit a Certification of Quantities to the Engineer in accordance with 9-2.1.2.

334-8 Basis of Payment.

334-8.1 General: Price and payment will be full compensation for all the work specified under this Section (including the applicable requirements of Sections 320 and 330).

For materials accepted in accordance with 334-5, based upon the quality of the material, a pay adjustment will be applied to the bid price of the material as determined on a LOT by LOT basis. The pay adjustment will be assessed by calculating a Pay Factor for the following