

**CITY COMMISSION
CHANGE ORDER NO. 1**

**UNIT PRICE CONTRACT FOR
AVENUE B ROADWAY RECONSTRUCTION
13TH STREET TO 8TH STREET**

Bid No. 2022-016

DATE: __January 16, 2024__

CONTRACTOR: Heavy Civil, Inc

OWNER: City of Fort Pierce

ORIGINAL CONTRACT AMOUNT : \$ 1,112,846.96

CURRENT CONTRACT AMOUNT INCLUDING
PREVIOUS CHANGE ORDERS : \$ 1,120,395.92

NET CONTRACT AMOUNT **INCREASE**
RESULTING FROM THIS CHANGE ORDER : **\$ 7,548.96**

PROPOSED ANNUAL CONTRACT AMOUNT
INCLUDING THIS CHANGE ORDER : **\$ 1,120,395.92**

CURRENT CONTRACT EXPIRATION DATE : August 3, 2023

PROPOSED CONTRACT EXPIRATION DATE : November 17, 2023

CHANGES ORDERED:

I. GENERAL:

This Change Order includes compensation for all additional work, including City Engineer authorized change orders and field changes to the contract quantities. Additional costs are “complete in place.” Descriptions and details on the additional pay items and quantity overruns and underruns are listed below. All CONDITIONS, SUPPLEMENTARY CONDITIONS, SPECIFICATIONS, and all parts of the Unit Price Construction Contract for Bid Number 2022-016, apply to, and govern all the Work under this Change Order.

II. REQUIRED CHANGES/COST ADJUSTMENTS:

Bid Item Quantity Changes (Over and Under):

Bid Item No.	Description	CONTRACT		QUANTITIES		COMPLETE	OVER/UNDER	Amount	
		Unit	Qty	Unit Price	Total	% To Date			
102-1	MAINTENANCE OF TRAFFIC	LS	1	\$28,000.00		1.07	107.07%	0.07	\$1,980.16
120-6	EMBANKMENT	CY	11	\$25.00	140.00		1272.73%	129.00	\$3,225.00
327-70-5	MILLING EXISTING ASPHALT PAVT 1" AVG DEPTH	SY	50	\$8.65	100.00		200.00%	50.00	\$432.50
334-1-13A	SUPERPAVE ASPHALTIC CONC. TRAFFIC C (SP-9.5) (1" THICK)	TON	303.6	\$182.50	407.00		134.06%	103.40	\$18,870.50
334-1-13B	SUPERPAVE ASPHALTIC CONC. TRAFFIC C (SP-12.5) (2" THICK)	TON	607.2	\$142.50	690.00		113.64%	82.80	\$11,799.00
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	4100	\$27.85	4,266.88		104.07%	166.88	\$4,647.61
520-3	CONCRETE VALLEY GUTTER	LF	140	\$30.25	216.00		154.29%	76.00	\$2,299.00
522-1	CONCRETE SIDEWALK/PADS , 4" THICK	SY	2447	\$42.55	1,773.00		72.46%	-674.00	(\$28,678.70)
522-2	CONCRETE SIDEWALK/PADS , 6" THICK	SY	355	\$58.25	1,409.25		396.97%	1,054.25	\$61,410.06
527-2	ADA CURB RAMP W/DETECTABLE WARNING (COMPLETE)	SF	336	\$33.45	559.40		166.49%	223.40	\$7,472.73
580-6	ROOT BARRIER	LF	16	\$24.25	0.00		0.00%	-16.00	(\$388.00)
700-1-11A	SINGLE POST SIGN, F&I GM, < 12 SF (R1-1 STOP)	EA	10	\$406.00	0.00		0.00%	-10.00	(\$4,060.00)
700-1-11B	SINGLE POST SIGN, F&I GM, < 12 SF (SPEED LIMIT)	EA	2	\$406.00	0.00		0.00%	-2.00	(\$812.00)
706-1-1	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	EA	60	\$5.85	93.00		155.00%	33.00	\$193.05
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	921	\$2.35	1,108.00		120.30%	187.00	\$439.45
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF	92	\$7.00	177.00		192.39%	85.00	\$595.00
711-11-201	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF	480	\$2.35	1,300.00		270.83%	820.00	\$1,927.00
1644-700	FIRE HYDRANT - ADJUST	EA	2	\$1,500.00	0.00		0.00%	-2.00	(\$3,000.00)
								Over	\$115,291.06
								Under	\$20,418.70

City Engineer Authorized Contract Change Orders (previously paid utilizing contingency funds):

	AMOUNT	Surtax	SMU	Impact Fees	TOTAL
Change Order 1A - Tree Removal	\$11,838.75	\$6,511.31	\$2,959.69	\$2,367.75	\$11,838.75
Change Order 1B - Restaking/New Driveway	\$5,683.56	\$5,683.56			\$5,683.56
Change Order 1C - NOT USED	\$0.00		\$0.00		\$0.00
Field Directive - adjust drainage structures (T&M)	\$1,182.14		\$1,182.14		\$1,182.14
Field Directive - 12x18 ERCP Class IV	\$6,485.76		\$6,485.76		\$6,485.76
Change Order 1D - City requested decorative Signs	\$8,625.00	\$8,625.00			\$8,625.00
TOTAL		\$20,819.87	\$10,627.59	\$2,367.75	\$33,815.21

III. JUSTIFICATION:

Item 102-1 Maintenance of Traffic

Over by 7%

The overage in Maintenance of Traffic was due to the contractor having to re-set existing street name signs after construction.

Item 120-6 EMBANKMENT

Over by 129 CY

It is assumed that there were errors in the quantity estimate completed by the engineer. Additionally, some work areas were extended for harmonization with existing features.

Item 327-70-5 MILLING EXISTING ASPHALT PAVEMENT 1" AVG DEPTH

Over by 50 SY

Additional areas of milling for harmonization at side street connections.

Item 334-1-13A SUPERPAVE ASPHALTIC CONCRETE (1" THICK)

Over by 103.40 TON

Additional areas of pavement to accommodate utilities, harmonization, and existing pavement failures on side street connections required additional asphalt.

Item 334-1-13B SUPERPAVE ASPHALTIC CONCRETE (2" THICK)

Over by 82.80 TON

Additional areas of excavation to accommodate utilities, harmonization, and existing pavement failures on side street connections required additional asphalt.

Item 520-1-10 CONCRETE CURB & GUTTER, TYPE F

Over by 166.88 LF

Field adjustments at intersections.

Item 520-3 CONCRETE VALLEY GUTTER

Over by 76 LF

Field adjustments at the intersection of 8th Street.

Item 522-1 CONCRETE SIDEWALK, 4" THICK

Under by 674 SY

Adjustments where new driveways were added.

Item 522-2 CONCRETE SIDEWALK 6"

Over by 1054.25 SY

Two new driveways were added during construction requiring 6" thick concrete (where 4" was originally planned) additionally at the Church on 8th Street, engineer determined that 6" sidewalk should be continued in front of the church since the area is used to park hearses for funerals.

Item 527-2 ADA CURB RAMP W/DETECTABLE WARNING (COMPLETE)

Over by 223.40 SF

Field adjustments were authorized to ensure tie ins between new and existing sidewalks met ADA requirements.

Item 580-6 ROOT BARRIER

Under by 16 LF

The tree for which the root barrier was proposed was in a diseased state. Staff worked with the property owner to remove the tree.

Item 700-1-11A SINGLE POST SIGN, F&I, R1-1 STOP

Under by 10 EA

Decorative signing to match signs along Avenue C were requested and is covered under a separate change order, therefore these quantities were removed.

Item 700-1-11B SINGLE POST SIGN, F&I, SPEED LIMIT

Under by 2 EA

Decorative signing to match signs along Avenue C were requested and is covered under a field directive, therefore these quantities were removed.

Item 706-1-1 RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS

Over by 33 EA

Additional areas of paving within the project limits prompted the need for additional pavement markers.

Item 711-11-123 THERMOPLASTIC 12" PAVEMENT MARKINGS

Over by 187 LF

Additional areas of paving within the project limits prompted the need for additional pavement markings.

Item 711-11-125 THERMOPLASTIC 24" PAVEMENT MARKINGS

Over by 85 LF

Additional areas of paving within the project limits prompted the need for additional pavement markings.

Item 711-11-201 THERMOPLASTIC 6" PAVEMENT MARKINGS

Over by 820 LF

Additional areas of paving within the project limits prompted the need for additional pavement markings. Additionally, it appears the original quantity may not have accounted for double yellow lines.

Item 1664-700 FIRE HYDRANT – ADJUST

Under by 2 EA

During construction it was determined that the existing fire hydrants would remain in place to provide adequate space around the hydrant. Sidewalk was adjusted as necessary.

CO 1A – Tree Removal

Cost \$11,838.75

Five existing large trees along the south side of Avenue B were in conflict with the proposed sidewalk. The original design did not include removal of these trees but field measurements noted that the roots would be significantly damaged.

CO 1B – Re-staking Survey

Cost \$5,683.56

During utility installations some survey stakes were removed and needed to be replaced.

Field Directive 1 – Drainage Structure Field Adjustments

Cost \$1,182.14

Some drainage inlet structures needed to be field modified to fit existing conditions (connections to existing pipes or to avoid unforeseen utility conflicts).

Field Directive 2 – Elliptical RCP Class IV

Cost \$6,485.76

Proposed storm pipe from Structure SD-12 to SD-10 had unforeseen utility conflicts and insufficient cover. The proposed pipe was a 15” RCP but had to be upgraded to a 12”x18” elliptical RCP. The decision to upgrade to a Class IV pipe was due to minimal cover.

CO 1D – Decorative Street Signs

Cost \$8,625.00

The original design included standard street signs. Coordination with Public Works determined that decorative street signs were desired to enhance the community and match styles on Avenue C.

After reconciling all invoices, quantity adjustments, and field directives, an amount of \$7,548.96 is needed to close the project.

IV. PAYMENT:

Funding of the additional remaining balance of \$7,548.96 shall be encumbered from Surtax proceeds, Account No. 114-1111-563-210.

V. APPROVAL AND CHANGE AUTHORIZATION:

Acknowledgments: The aforementioned change, and work affected thereby, is subject to all provisions of the original contract not specifically changed by this Change Order; and it is expressly understood and agreed that the approval of the Change Order shall have no effect on the original Contract other than the matters expressly provided herein.

[SIGNATURE PAGE TO FOLLOW]

RECOMMENDED BY:


John R. Andrews, P.E.
City Engineer

By:  _____
Signature

Date: 12/13/23 _____

APPROVED AS TO FORM AND CORRECTNESS:

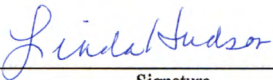
Sara Hedges
City Attorney

By:  _____
Signature

Date: 1/17/24 _____

APPROVED BY:

Linda Hudson
Mayor

By:  _____
Signature

Date: 1/16/2024 _____

ACCEPTED BY:

Todd Kneisel, President
Heavy Civil Inc.

By:  _____
Signature

Date: December 7, 2023 _____