City of Carroll

112 E. 5th Street Carroll, Iowa 51401-2799 (712) 792-1000 FAX: (712) 792-0139

MEMO TO: Mike Pogge-Weaver, City Manager

FROM: Jack Wardell, Director of Parks and Recreation JW

DATE: October 8, 2019

SUBJECT: Carroll Trails Improvement 2019 - Change Order No. 2

During construction of the 2019 trails project, three changes have been made to the project. These changes are listed below:

Removal of Curb: Additional $3,895.00

By the Carroll High School entrances and exits where there are curbs, the new trail went through the curb work and to allow better drainage and appearance additional curb was removed. Quantity changed from 125.0 LF to 220.0 LF @ 41.00/LF.

Detectable Warnings: Additional $1,722.00

Drawings show the detectable warning panels about 2 ft back for the curved curb and City staff recommended to relocate the detectable warning panels to be curved to match the road and curb. Attached is a photo showing the final placement.

Modular Block Retaining Wall: Additional $2,990.00

Instead of constructing the north wall as planned the decision was made jointly with the City to construct the north wall at a 6' offset so both walls would look the same. By moving the wall back, a taller retaining wall was necessary. This quantity reflects the additional quantity of block required to construct the north wall at a 6' offset from the trail. This increased the quantity by 130 SF.

Subdrain Outlets for Retaining Wall: Additional $1,584.80

Add Bid Item for Subdrain Outlets for Retaining Wall, Quantity (1.0) Lump Sum. A wet spot was encountered within the embankment behind the retaining walls.The item for retaining wall construction includes subdrain to be installed behind the wall allowing the embankment to drain. This traditionally outlets at the ends of the wall, in this case over the trail. Due to the wet pocket encountered the decision to extend the subdrain under

the trail and outlet on the downstream side end to keep the trail dry. Item shall be measured as "lump sum"cost.

Original Contract Cost	$738,016.66
Change Order #1 (Approved)	**$ 34,556.08**
Contract with Change Order #1	$772,572.74
Change Order #2 (Proposed)	**$ 10,191.80**
Contract with Change Order #2	$782,764.54

RECOMMENDATION: For the Mayor and City Council consideration and approval of Change Order No. 2 for $10,191.80 bringing the total cost of the project to $782,764.54

EJCDC
ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

Change Order No. 02

Date of Issuance: October 08, 2019		Effective Date:	October 08, 2019
Owner:	City of Carroll	Owner's Contract No.:	
Contractor:	Absolute Concrete Construction	Contractor's Project No.:	
Engineer:	Shive-Hattery, Inc.	Engineer's Project No.:	4173200
Project:	City of Carroll – 2019 Trail Improvements	Contract Name:	City of Carroll – 2019 Trail Improvements

The Contract is modified as follows upon execution of this Change Order:

Description:

1. Adjustment of Item Quantities:
   a. Removal of Curb, Item No. 15, 7030-B-1000, quantity change from 125.0 LF to 220.0 LF @ $41.00/LF for **an increase of $3,895.00.**
   b. Detectable Warnings, Item No. 18, 7030-G-1000, quantity change from 76.0 SF to 104.0 SF @ $61.50/SF for **an increase of $ 1,722.00.**
   c. Modular Block Retaining Wall, Item No. 32, 9070-A-1000, quantity change from 952.0 SF to 1,082.0 SF @ $23.00/SF for **an increase of $2,990.00.**
   d. Subdrain Outlet for Retaining Wall, Add Item No. 40, 4040-D-1000,
      i. Add quantity for extension of subdrain under trail and installation of outlets.
      ii. Set quantity to 1.0 (Lump Sum) @ $1,584.80 for **an increase of $1,584.80.**

Change Order 2 Total Increase of $10,191.80

Attachments: This change order does not require changes to plan sheets. An opinion of anticipated construction costs for the final plans, bid alternate, change order 1, and quantity revisions listed above have been included.

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES *[note changes in Milestones if applicable]*
Original Contract Price: $ 738,016.66 (includes acceptance of 6" Trail Bid Alternate	Original Contract Times: June 28, 2019 Substantial Completion: December 1, 2019 Ready for Final Payment: December 1, 2019 days or dates
Increase from previously approved Change Orders No. 1 to No. 1 : $ 34,556.08	[Increase] [Decrease] from previously approved Change Orders No. ___ to No. ___: NA Substantial Completion: ___ Ready for Final Payment: ___ days
Contract Price prior to this Change Order: $ 772,572.74	Contract Times prior to this Change Order: Substantial Completion: December 1, 2019 Ready for Final Payment: December 1, 2019 days or dates
Increase of this Change Order: $ 10,191.80	[Increase] [Decrease] of this Change Order: Substantial Completion: December 1, 2019 Ready for Final Payment: December 1, 2019

	days or dates
Contract Price incorporating this Change Order: $ 782,764.54	Contract Times with all approved Change Orders: Substantial Completion: December 1, 2019 Ready for Final Payment: December 1, 2019 days or dates

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By:	By:	By:
Engineer (if required)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Title: Project Engineer	Title	Title
Date: October 8, 2019	Date	Date

Approved by Funding Agency (if applicable)

By: _____ Date:

Title: _____

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

CITY OF CARROLL, IOWA
OPINION OF ANTICIPATED CONSTRUCTION COSTS (FINALPLANS); CHANGE ORDER 2
BALL FIELD AND GRANT RD TRAILS - OCTOBER 08, 2019

#	ITEM CODE	CHANGE ORDER #	ITEM DESCRIPTION	UNITS	QUANTITIES				ABSOLUTE CONCRETE CONSTR. UNIT COST		COSTS		
					GRANT TRAIL	BASEBALL TRAIL	TOTAL				GRANT TRAIL	BASEBALL TRAIL	TOTAL
1	2010-B-1000	1	CLEARING AND GRUBBING	UNITS	224.1	23.9	248.0	*	$ 77.00	=	$ 17,255.70	$ 1,840.30	$ 19,096.00
2	2010-D-1000		TOPSOIL, ON-SITE	CY	2110.2	1791.6	3901.8	*	$ 9.25	=	$ 19,519.35	$ 16,572.30	$ 36,091.65
3	2010-E-1010	1	EXCAVATION, CLASS 10	CY	381.4	677.6	1059.0	*	$ 8.25	=	$ 3,146.55	$ 5,590.20	$ 8,736.75
4	2010-E-2000	1	EMBANKMENT-IN-PLACE, CONTRACTOR FURNISH	CY	4547.0	1251.2	5798.2	*	$ 16.00	=	$ 72,752.00	$ 20,019.20	$ 92,771.20
5	4020-A-1012		STORM SEWER, TRENCHED, CMP, 12 IN.	LF	-	22.0	22.0	*	$ 72.00	=	-	$ 1,584.00	$ 1,584.00
6	4020-A-1018		STORM SEWER, TRENCHED, RCP, 18 IN.	LF	80.0	-	80.0	*	$ 77.00	=	$ 6,160.00	-	$ 6,160.00
7	4020-A-1024		STORM SEWER, TRENCHED, RCP, 24 IN.	LF	114.0	-	114.0	*	$ 98.00	=	$ 11,172.00	-	$ 11,172.00
8	4020-C-1018		REMOVAL OF STORM SEWER, RCP, 18 IN.	LF	36.0	-	36.0	*	$ 26.00	=	$ 936.00	-	$ 936.00
9	4020-C-1024		REMOVAL OF STORM SEWER, RCP, 24 IN.	LF	8.0	-	8.0	*	$ 36.00	=	$ 288.00	-	$ 288.00
10	4030-B-1012		APRONS, METAL, 12 IN.	EA	-	2	2	*	$ 565.00	=	-	$ 1,130.00	$ 1,130.00
11	4030-B-1018		APRONS, CONCRETE, 18 IN.	EA	2	-	2	*	$ 770.00	=	$ 1,540.00	-	$ 1,540.00
12	4030-B-1024		APRONS, CONCRETE, 24 IN.	EA	5	-	5	*	$ 875.00	=	$ 4,375.00	-	$ 4,375.00
13	5020-F-1000		VALVE BOX EXTENSION	EA	1	-	1	*	$ 360.00	=	$ 360.00	-	$ 360.00
14	7030-A-1006	1	REMOVAL OF SIDEWALK	SY	-	-	0.0	*	$ 12.93	=	-	-	$ -
15	7030-B-1000	2	REMOVAL OF CURB	LF	220.0	-	220.0	*	$ 41.00	=	$ 9,020.00	-	$ 9,020.00
16	7030-D-1012	1	SPECIAL SUBGRADE PREPARATION FOR SHARED USE PATH	SY	5338.0	5341.7	10679.7	*	$ 3.10	=	$ 16,547.80	$ 16,559.27	$ 33,107.07
17	7030-E-1006	1	TRAIL, PCC, 6 IN.	SY	3818.6	3564.9	7383.5	*	$ 44.50	=	$ 169,927.70	$ 158,638.94	$ 328,566.64
18	7030-G-1000	2	DETECTABLE WARNINGS	SF	88.0	16.0	104.0	*	$ 61.50	=	$ 5,412.00	$ 984.00	$ 6,396.00
19	8020-C-1000		PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	2.4	-	2.4	*	$ 1,025.00	=	$ 2,460.00	-	$ 2,460.00
20	8030-A-1000		TEMPORARY TRAFFIC CONTROL	LS	0.5	0.5	1	*	$ 6,100.00	=	$ 3,050.00	$ 3,050.00	$ 6,100.00
21	9010-B-1010		HYDRAULIC SEEDING , SEEDING, FERTILIZING, AND MULCHING - TYPE 1	AC	2.5	2.2	4.7	*	$ 4,750.00	=	$ 11,875.00	$ 10,450.00	$ 22,325.00
22	9010-B-1040		HYDRAULIC SEEDING , SEEDING, FERTILIZING, AND MULCHING - TYPE 4	AC	2.2	2.0	4.2	*	$ 3,500.00	=	$ 7,700.00	$ 7,000.00	$ 14,700.00
23	9010-F-1009		FILTER SOCK, 9 IN.	LF	492.0	709.0	1201.0	*	$ 4.00	=	$ 1,968.00	$ 2,836.00	$ 4,804.00
24	9010-F-1020		FILTER SOCK, REMOVAL	LF	492.0	709.0	1201.0	*	$ 1.00	=	$ 492.00	$ 709.00	$ 1,201.00
25	9040-A-1000		SWPPP PREPARATION	LS	0.5	0.5	1	*	$ 1,000.00	=	$ 500.00	$ 500.00	$ 1,000.00
26	9040-A-2000		SWPPP MANAGEMENT	LS	0.5	0.5	1	*	$ 4,500.00	=	$ 2,250.00	$ 2,250.00	$ 4,500.00
27	9040-J-1000		RIPRAP, CLASS D	TON	66.0	-	66.0	*	$ 57.00	=	$ 3,762.00	-	$ 3,762.00
28	9040-N-1000		SILT FENCE	LF	4920.0	7086.0	12006.0	*	$ 1.75	=	$ 8,610.00	$ 12,400.50	$ 21,010.50
29	9040-N-1010		SILT FENCE, REMOVAL OF SEDIMENT	LF	2460.0	3543.0	6003.0	*	$ 0.10	=	$ 246.00	$ 354.30	$ 600.30
30	9040-N-1020		SILT FENCE, REMOVAL OF DEVICE	LF	4920.0	7086.0	12006.0	*	$ 0.25	=	$ 1,230.00	$ 1,771.50	$ 3,001.50
31	9060-A-1048		CHAIN LINK FENCE, BLACK VINYL, 48 IN.	LF	50.0	-	50.0	*	$ 45.00	=	$ 2,250.00	-	$ 2,250.00
32	9070-A-1000	2	MODULAR BLOCK RETAINING WALL	SF	-	1082.0	1082.0	*	$ 23.00	=	-	$ 24,886.00	$ 24,886.00
33	11010-A-1000		CONSTRUCTION SURVEY	LS	0.5	0.5	1.0	*	$ 15,000.00	=	$ 7,500.00	$ 7,500.00	$ 15,000.00
34	11020-A-1000		MOBILIZATION	LS	0.5	0.5	1.0	*	$ 55,000.00	=	$ 27,500.00	$ 27,500.00	$ 55,000.00
35	11050-A-1000		CONCRETE WASHOUT	EA	1	1	2	*	$ 565.00	=	$ 565.00	$ 565.00	$ 1,130.00
36	SPECIAL 2524		REMOVE AND REINSTALL SIGN AS PER PLAN	EA	1	-	1	*	$ 770.00	=	$ 770.00	-	$ 770.00
37	SPECIAL 2524		PERFORATED SQUARE STEEL TUBE POST	LF	54.0	-	54.0	*	$ 20.50	=	$ 1,107.00	-	$ 1,107.00
38	SPECIAL 2524		PERFORATED SQUARE STEEL TUBE POST ANCHOR	EA	5	-	5	*	$ 310.00	=	$ 1,550.00	-	$ 1,550.00
39	SPECIAL 2524		TYPE A SIGN, SHEET ALUMINUM	SF	38.0	-	38.0	*	$ 20.50	=	$ 779.00	-	$ 779.00
40	4040-D-1000	2	SUBDRAIN OUTLETS FOR RETAINING WALL	LS	-	1.0	1.0	*	$ 1,584.80	=	-	$ 1,584.80	$ 1,584.80
BID ALTERNATE: 6 FOOT TRAIL CONNECTION													
1	2010-D-1000		TOPSOIL, ON-SITE	CY	-	-	97.3	*	$ 31.00	=	-	-	$ 3,016.30
2	2010-E-1010		EXCAVATION, CLASS 10	CY	-	-	59.0	*	$ 20.50	=	-	-	$ 1,209.50
3	2010-E-2000		EMBANKMENT-IN-PLACE, CONTRACTOR FURNISH	CY	-	-	32.5	*	$ 30.75	=	-	-	$ 999.38
4	7030-A-1006	1	REMOVAL OF SIDEWALK	SY	-	-	73.3	*	$ 12.93	=	-	-	$ 947.77
5	7030-D-1012		SPECIAL SUBGRADE PREPARATION FOR SHARED USE PATH	SY	-	-	437.1	*	$ 5.25	=	-	-	$ 2,294.78
6	7030-E-1006		TRAIL, PCC, 6 IN.	SY	-	-	295.3	*	$ 68.00	=	-	-	$ 20,080.40
7	9010-B-1010		HYDRAULIC SEEDING , SEEDING, FERTILIZING, AND MULCHING - TYPE 1	AC	-	-	0.2	*	$ 4,250.00	=	-	-	$ 850.00
8	9010-B-1040		HYDRAULIC SEEDING , SEEDING, FERTILIZING, AND MULCHING - TYPE 4	AC	-	-	0.2	*	$ 3,500.00	=	-	-	$ 700.00
9	9010-F-1009		FILTER SOCK, 9 IN.	LF	-	-	150.0	*	$ 3.50	=	-	-	$ 525.00
10	9010-F-1020		FILTER SOCK, REMOVAL	LF	-	-	150.0	*	$ 1.00	=	-	-	$ 150.00
11	9040-N-1000		SILT FENCE	LF	-	-	600.0	*	$ 1.60	=	-	-	$ 960.00
12	9040-N-1010		SILT FENCE, REMOVAL OF SEDIMENT	LF	-	-	300.0	*	$ 0.10	=	-	-	$ 30.00
13	9040-N-1020		SILT FENCE, REMOVAL OF DEVICE	LF	-	-	600.0	*	$ 0.25	=	-	-	$ 150.00

CONSTRUCTION COST TO DATE	$424,576.10	$326,275.32	**$782,764.54**

ORIGINAL BID AMOUNT INCLUDING BID ALTERNATE	**$738,016.66**
CHANGE ODER 1	**$34,556.08**
CHANGE ODER 2	**$10,191.80**
10% PROJECT CONTINGENCY AT PROJECT AWARD MINUS CHANGE ORDERS	**$31,352.12**
ORIGINAL ESTIMATE OF CONSTRUCTION INCLUDING 10% CONTINGENCY	**$814,116.66**

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