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## MEMORANDUM

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**TO:** RANDY HILL, PUBLIC WORKS DIRECTOR  
**FROM:** JON LUTZ, CITY ENGINEER  
**SUBJECT:** WEED PARK TO WILDCAT DEN TRAIL PROJECT  
ACCEPT COMPLETED PROJECT  
**DATE:** OCTOBER 14<sup>TH</sup>, 2011

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**Introduction:**

Construction work on the Weed Park to Wildcat Den project has been completed. Final punchlist items have been corrected. The attached change order and final pay application outlines work and cost on the project.

**Background Information:**

This trail project was designed by the city engineer and bid through Iowa DOT on December 21, 2010. A contract was approved to Sulzberger Excavating for the amount of \$448,578.90 on January 13<sup>th</sup> 2011. The engineer's construction cost estimate was \$460,216.09. Work began on August 10th, 2011 and was substantially complete on October 6th, 2011. Final cost including quantity adjustments and 1 change order is \$450,943.52, an increase of \$2,364.00 (0.52%) above the original contract amount.

Necessary trail easements were donated by MCC, Bridgestone Bandag and HNI. All cultural and environmental clearances were approved.

**Funding:**

Efforts of the local trail committee led to funding of a section of the Mississippi River Trail System in the City of Muscatine and Muscatine County. The City of Muscatine received earmarked federal funds in the amount of \$453,069.00 for the purpose of extending a trail route from Weed Park toward Wildcat Den State Park. An additional \$70,000.00 was acquired from unused trail funds through Bistate Regional Planning. Corporate donations for this project include \$25,000.00 from HNI Corporation and \$50,000.00 from SSAB.

**Location:**

The route begins at the Weed Park Lagoon and extends north through Muscatine Community College, crosses Colorado Street, follows Bandag Drive and extends north through the Bridgestone Bandag campus to the Ford Avenue corridor. The trail then extends east through HNI property to University Avenue near the Cottonwood

Apartments then follows City and County portions of Ford Avenue right of way to Solomon Road. From this location, users will head north on Solomon Road to New Era Road to Wildcat Den. Efforts to use earmarked funding for hard surfacing a ¼ mile of Solomon Road were unsuccessful due to federal regulations not allowing trail funds for road surfacing purposes.

The trail has a 10 foot wide and 5 inch thick asphalt surface with an 8" rock base. Culverts, minor grading, seeding and sodding were required. The trail is completely ADA compliant.

#### **Change Order #1**

The total amount for change order #1 of \$7,542.00 does not reflect reductions on other items. Construction plans called for 110 tons of class D rock instead of the more appropriate class E revetment stone to be placed along the Weed Park Lagoon. Net cost for switching stone type was \$1,760.00. Bridgestone Bandag requested that all disturbed areas on their campus be re-seeded with native grass versus urban seeding(bluegrass). The net cost increase for this seed change was \$1,329.80. Other items requiring a change order by IDOT were additional 9 feet of curb removal at \$14.30 per foot for \$128.70 and an additional 14.43 SY of 6" concrete sidewalk at \$143.75/SY for \$2,074.31.

#### **Project Costs & Payment:**

Construction costs are \$450,943.52 with \$437,303.52 in eligible items for 80% federal funding of \$349,842.82 and 20% local share of \$87,460.70. Radar speed signs were not eligible and cost \$13,640.00. Therefore local funds required are \$101,100.70. Private contributions of \$75,000.00 will be supplemented with \$26,100.70 from collection and drainage for the local share. Part of the trail follows a sanitary sewer alignment and will serve as a sewer maintenance access road.

The trail is open for public use.

#### **Recommendation:**

I recommend the City Council approve change order 1 in the amount of \$7,542.00, accept the completed project and issue payment through application #4 for totaling \$437,415.22 and 3% retainage of \$13,528.31 in 30 days totaling \$450,943.52.

#### **BACKUP INFORMATION:**

1. Pay Application #4
2. Change order #1

**RESOLUTION NO. \_\_\_\_\_**

**RESOLUTION ACCEPTING COMPLETED WORK PERFORMED UNDER  
WEED PARK TO WILDCAT DEN TRAIL  
AND AUTHORIZING FINAL PAYMENT**

WHEREAS, the City of Muscatine approved the Plans, Specifications, and Form of Contract for the Weed Park to Wildcat Den Trail Project; and

WHEREAS, the City of Muscatine entered into a contract for said project with Sulzberger Excavating, Inc. for \$448,578.90 with one change order and other quantity adjustments, for a total contract amount of \$450,943.52; and

WHEREAS, all work under the contract has been completed by Sulzberger Excavating, Inc. and approved and accepted by the City Engineer and appears to meet the requirements of the Plans and Specifications heretofore adopted by this Council, as evidenced by the Project Engineer's Certificate; and

WHEREAS, the amount of \$415,006.29 has been previously paid to Sulzberger Excavating, Inc. and a balance of \$35,937.23 including 3% retainage remains due and payable;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MUSCATINE, that the City of Muscatine make immediate payment of \$22,408.93 to Sulzberger Excavating, Inc. for completed and accepted work under the Weed Park to Wildcat Den Trail Project thereafter make an additional payment of \$13,528.30 which represents the 3% retainage thirty (30) days from the date of this acceptance.

PASSED, APPROVED, ADOPTED THIS 20th DAY OF OCTOBER, 2011.

CITY COUNCIL OF THE CITY OF MUSCATINE, IOWA

BY: \_\_\_\_\_  
Richard W. O'Brien, Mayor

ATTEST:

\_\_\_\_\_  
Gregg Mandsager, City Administrator



Iowa Department of Transportation

Change Order

Non-Substantial:

Part

☒

Non-Part

☐

No. 1

Substantial:

☐☐

Concurrence Date

Contract

Accounting ID No.: 28419

County Muscatine

Project No: EDP-5330(613)--7Y-70

Kind of Work: HMA Sidewalk/Trail

Date Prepared: 12 October 11

Contractor: Sulzberger Excavating Company (SU061)

You are hereby authorized to make the following changes to the contract documents.

A - Description of change to be made or extra work to be done:

- 7001 - Item 060 Removal of curb - extend item quantity from 0.060 Sta to 0.69 Sta
- 7002 - Item 021 Sidewalk, PCC, 6" - extend item quantity from 88.89 SY to 103.32 SY
- 8001 - Adds an item to the contract, 2507-6800061, Revetment, Class E, 110 Tons
- 8002 - Adds an item to the contract, 2601-2636015, Native Grass, 1.22 Acres

The number of contract work days to be added to the contract is 0 days. All work for removal of curb and sidewalk construction items were completed in one day on same mobilization and did not affect schedule. Class E revetment and native grass items were substitutions for other items and therefore required the same working days.

B - Reason for change or extra work:

- 7001 - Additional curb beyond plan quantity required to be removed at sidewalk ramp locations as directed by project engineer.
- 7002 - Additional sidewalk ramp area beyond plan quantity was required for proper grade as directed by project engineer.
- 8001 - To be used at Weed Park lagoon shoreline. Replaces Class D stone material scheduled at that location. Larger material is judged to be more stable in the park setting.
- 8002 - The property owner (Bridgestone Bandag) requested that we replace the urban seeding with native grass to better match the existing grasses adjacent to the trail on their land.

(Continued on reverse side)

Approved \_\_\_\_\_  
District Construction Engineer Date

Project Engineer

10/17/11  
Date

Receipt is acknowledged of this change or extra work and terms of settlement are hereby agreed to.

Approved contingent upon funds being available under the existing project agreement or upon additional Federal-aid funds being made available by a modified project agreement.

Sulzberger Excavating Co. (SU061)  
Contractor

By \_\_\_\_\_

Date

Date

For the Division Administrator  
Federal Highway Administration

Approved \_\_\_\_\_

Assistant Construction Engineer

Date

DISTRIBUTION: Project Engineer - Forward original to District.  
District - Nonsubstantial - Forward original and one copy to the Office of Construction and two copies back to the Project Engineer.  
- Substantial - Forward original and two copies to the Office of Construction.

**C-1 –Settlement for cost of work to be made as follows:**Change Order No. 1

7001 - Per the unit cost in the contract.

7002 - Per the unit cost in the contract.

8001 - Payment per cost data submitted by the contractor for consideration. Negotiated unit cost per Ton.

8002 - Payment per cost data submitted by the contractor for consideration. Negotiated unit cost per Acre.

**C-2 – Justification for cost(s)**

8001 - From IDOT Lettings: 70-C070-052(2/11), 180 T., \$34.50-\$54.50, 48-I511-027(2/11), 172 T., \$35-\$48, 52-O015-093(11/10), 393 T. \$36.10-\$65.

8002 - Native seeding installation cost was deemed the same as urban seeding installation. Additional cost to purchase native versus urban seed is \$1,329.80 divided by 1.22 acres yields an increase of \$1,090.00/acre to the urban seeding contract rate of \$1,260.00/acre for a proposed Native Seeding bid item rate of \$2,350.00/Acre.

**D – ITEMS INCLUDED IN CONTRACT**

Change No.	Line Item Number	Unit Price .xxx	If Credit Add "CR"	Amount .xx
			Quantity .xxx	
7 001	0060, Removal of curb	1,430.00	0.090	128.70
7 002	0210, Sidewalk, PCC, 6"	143.75	14.430	2,074.31
7				
7				
7				
7				
7				
TOTAL				2,203.01

**E – ITEMS NOT INCLUDED IN CONTRACT**

Change No.	Item Description	Item Number	Function Code	Unit Price .xxx	If Credit, Add "CR"	Amount .xx
					Quantity .xxx	
8001	Revetment, Class E, Tons	2507-6800061		42.500	110.000	4,675.00
8002	Native Grass Seeding	2601-2636015		2350.00	1.22	2,867.00
8						
8						
8						
8						
8						
TOTAL						7,542.00

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City of Muscatine Public Works Department  
1459 Washington St.  
Muscatine, Iowa 52761  
Ph. 563 263 8933

CITY OF MUSCATINE, IOWA  
WEED PARK TO WILD CAT DEN TRAIL  
PROJECT EDP-5330(613)--7Y-70  
CONTRACT SCHEDULE OF PRICES

Contractor : Sulzberger Excavation Co. ( SUO61 )  
1500 S Houser St.  
Muscatine, Iowa 52761  
Ph. 563 263 1697

13-Oct-11  
HDT  
file:mydocs  
TRAILS

#	Item Code	Item Description	Unit	Total	Unit	<<<<<<					>>>>>>					cost	percent	contract bid
				Units	Unit Cost	Aug 1 - 19	Aug 22-26	Aug29-Sep2	Sept 5-16	Sept 19-23	26-Sep	To Oct 27	TO DATE	TO DATE	cost			
1	2101-0850001	Clearing & Grubbing	Acre	1.24	\$ 2,560.00	1.24							\$ 3,199.20	1.00	\$ 3,199.20			
2	2102-2710070	Excavation Cl. 10 Rdwy & Borrow	CY	3886.00	\$ 9.20	1538.40	1626.45	720.85					\$ 35,748.50	1.00	\$ 35,751.20			
3	2105-8425015	Top Soil, Strip, Salvage, Spread	CY	2621.00	\$ 5.00	1037.65	1097.00	486.20					\$ 13,104.24	1.00	\$ 13,105.00			
4	2115-0100000	Modified Base	CY	2333.00	\$ 30.62		1603.50	729.5					\$ 71,436.46	1.00	\$ 71,436.46			
5	2123-7450020	Shoulder, Finishing, Earth	Sta.	157.48	\$ 90.00								\$ 14,234.98	1.00	\$ 14,173.20			
6	2213-6745500	Removal of Curb (see Change Order #1)	Sta.	0.60	\$ 1,430.00		0.69				158.17		\$ 986.70	1.15	\$ 858.00			
7	2303-6911000	Hot Mix Asphalt Pavement Samples	LS	1.00	\$ 4,200.00				1.0				\$ 4,200.00	1.00	\$ 4,200.00			
8	2402-2720100	Excavation, Cl. 20, For Rdwy Pipe Culvert	CY	248.00	\$ 5.00	54.00	162.00	32.0					\$ 1,240.00	1.00	\$ 1,240.00			
9	2416-0100015	Aprons Concrete 15"	EA	4.00	\$ 689.00	2.00	2.00						\$ 2,756.00	1.00	\$ 2,756.00			
10	2416-0100018	Aprons Concrete 18"	EA	6.00	\$ 745.00	2.0	2.0	2.0					\$ 4,470.00	1.00	\$ 4,470.00			
11	2416-0100036	Aprons Concrete 36"	EA	2.00	\$ 1,147.00	2.00							\$ 2,294.00	1.00	\$ 2,294.00			
12	2416-0101036	Remove & Reinstall Concrete Aprons < or = 36"	EA	3.00	\$ 535.00	3.0							\$ 1,605.00	1.00	\$ 1,605.00			
13	2416-1165015	Culvert 2000 D Concrete Entrance Pipe 15" Dia	LF	70.00	\$ 62.49	67.50							\$ 4,218.08	0.96	\$ 4,374.30			
14	2416-1180018	Culvert, Concrete Roadway Pipe 18" Dia	LF	79.00	\$ 70.65	15.00	22.5	37.5					\$ 5,298.75	0.95	\$ 5,581.35			
15	2416-1180024	Culvert, Concrete Roadway Pipe 24" Dia	LF	7.00	\$ 164.50	7.50							\$ 1,233.75	1.07	\$ 1,151.50			
16	2416-1180036	Culvert, Concrete Roadway Pipe 36" Dia	LF	63.00	\$ 75.56	8.00	56.0						\$ 4,835.84	1.02	\$ 4,760.28			
17	2507-6800042	Revetment, Class D	Ton	170.00	\$ 26.50			61.5					\$ 1,629.75	0.36	\$ 4,505.00			
18	2511-0301500	Recreational Trail Hot Mix Asphalt, 5"	S.Y	8660.00	\$ 21.97				5196.0	3464.0			\$ 190,260.20	1.00	\$ 190,260.20			
19	2511-0310100	Special Compaction of Sub grade for Recreational Trail	Sta.	78.74	\$ 245.00	31.17	32.95	14.61					\$ 19,289.04	1.00	\$ 19,291.30			
20	2511-6745900	Removal Of Sidewalk	S.Y	16.80	\$ 6.00				16.8				\$ 100.80	1.00	\$ 100.80			
21	2511-7526006	Sidewalk, P.C.C, 6" ( See Change Order # 1 )	S.Y	88.89	\$ 143.75					103.32			\$ 14,851.57	1.16	\$ 12,777.94			
22	2511-7528100	Detectable Warning - Curb Ramp	SF	128.00	\$ 21.00					128.0			\$ 2,688.00	1.00	\$ 2,688.00			
23	2519-3300600	Fence, Safety	LF	200.00	\$ 3.50	40 %	20 %	20%		20%			\$ 200.00	1.00	\$ 700.00			
24	2526-8285000	Construction Survey ( Pay Plan Quantity )	LS	1.00	\$ 3,625.00	0.33					0.67		\$ 3,625.00	1.00	\$ 3,625.00			
25	2527-9263109	Painted Pavement Mark, Waterborne/Solvent	Sta	3.853	\$ 105.00						3.8		\$ 402.22	0.99	\$ 404.57			
26	2528-8445110	Traffic Control	LS	1.00	\$ 1,850.00	0.1	0.1	0.2		0.5	0.1		\$ 1,850.00	1.00	\$ 1,850.00			
27	2533-4980005	Mobilization	LS	1.00	\$ 9,300.00	0.75				0.25			\$ 6,975.00	1.00	\$ 9,300.00			
28	2601-2636043	Seeding & Fertilizing (Rural)	Acre	3.28	\$ 840.00						3.28		\$ 2,755.20	1.00	\$ 2,755.20			
29	2601-2636044	Seeding & Fertilizing (Urban) ( See Change Order # 1 )	Acre	1.22	\$ 1,260.00		check specs				0.08		\$ 100.80	0.07				
30	2601-2638352	Slope Protection, Wood Excision Mat	SQ	200.00	\$ 17.50					159.07	40.93		\$ 3,500.00	1.00	\$ 3,500.00			
31	2601-2639010	SODDING	SQ	248.00	\$ 38.00						248.00		\$ 9,424.00	1.00	\$ 9,424.00			
32	2601-2643110	Water - Sod/Spec Ditch Control / Slope Protection	MGL	0.07	\$ 60.00						0.07		\$ 4.20	1.00	\$ 4.20			
33	2602-0000020	Silt Fence	LF	150.00	\$ 3.15					143			\$ 450.45	0.95	\$ 472.50			
34	2602-0000030	Silt Fence for Ditch Checks	LF	250.00	\$ 3.15					252			\$ 793.80	1.01	\$ 787.50			
35	2599-9999005	Radar Speed Sign	EA	2.00	\$ 6,820.00	2.00							\$ 13,640.00	1.00	\$ 13,640.00			
CO#1	2507-6800061	Class " E " Revetment Stone	Ton	110.00	\$ 42.50	110.00							\$ 4,675.00	1.00	\$ 4,675.00			
CO#1	2601-2636015	Native Grass	Acre	1.22	\$ 2,350.00	1.22	Completed 3 Oct 2011						\$ 2,867.00	1.00	\$ 2,867.00			
CO#1	2213-6745500	Removal of Curb (see Change Order #1)	Sta.	0.60	\$ 1,430.00		Reflected in item # 6 above											
CO#1	2511-7526006	Sidewalk, P.C.C, 6" ( See Change Order # 1 )	S.Y	88.89	\$ 143.75		Reflected in item # 21 above											

GRAND TOTAL

&gt;&gt;&gt;&gt;&gt;&gt;

\$ 450,943.52 100.87 \$ 447,041.69

Authorized Signature

Henry D. Folber

PUBLIC WORKS C  
CITY of MUSCATINE  
1459 Washington, Street  
PH 563 263 8933

Weed Park to Wild Cat Den Trail  
Project EDP- 5330(613) --7y-70


**PAYMENT REQUEST # 4**

**Payee:** Sulzberger Excavation  
1500 S. Musser St.  
Muscatine, Iowa 52761

12-Oct-11  
HDT

Description	Fund / Dept.	Account	Amount
Amount Complete	4437	4437	\$ 450,943.52
Less 3 % Withheld			\$ 13,528.31
			<u>\$ 437,415.22</u>
Previous Payment	Pay request # 1		\$ (107,701.35)
Previous Payment	Pay request # 2		\$ (84,899.68)
Previous Payment	Pay request # 3		\$ (222,405.26)
<b>Amount Due &gt;&gt;&gt;&gt;&gt;&gt;</b>		<b>&gt;&gt;&gt;&gt;</b>	<b>\$ 22,408.93 &lt;&lt;&lt;&lt;</b>

Authorized Signature

  
Henry D. Fober