CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: August 20, 2018

ITEM:

Resolution - Accepting Work
Raccoon River Drive over Sugar Creek Bridge Replacement

FINANCIAL IMPACT:

The total construction cost for the Raccoon River Drive over Sugar Creek Bridge Replacement was $1,148,523.37 which was paid from account no. 660.000.000.5250.490 with ultimate funding intended to come from Stormwater Utility Fees. The original cost of the project was $1,174,144.70. There were five (5) Change Orders on the project that totaled ($25,621.33).

BACKGROUND:

Iowa Bridge & Culvert was working under an agreement dated September 19, 2016 for construction services for the Raccoon River Drive over Sugar Creek Bridge Replacement. Work on this project included reconstruction of an existing bridge over Sugar Creek.

This action accepts the public improvements and authorizes staff to pay the retainage no sooner than 30 days.

This agenda item was distributed to the Public Services Subcommittee by e-mail only.

OUTSTANDING ISSUES:

None.

RECOMMENDATION:

City Council Adopt:

- Resolution Accepting Work for Raccoon River Drive over Sugar Creek Bridge Replacement.

Lead Staff Member: Brian J. Hemesath, P.E., City Engineer

STAFF REVIEWS

Department Director	Brian J. Hemesath, P.E., City Engineer
Appropriations/Finance	Tim Stiles, Finance Director
Legal	Richard Scieszinski, City Attorney
Agenda Acceptance	

PUBLICATION(S) (if applicable)

Published In	
Dates(s) Published	

SUBCOMMITTEE REVIEW (if applicable)

Committee			
Date Reviewed			
Recommendation	Yes	No	Split

RESOLUTION ACCEPTING WORK

WHEREAS, on September 19, 2016 the City Council entered into a contract with Iowa Bridge & Culvert of Washington, Iowa for the following described public improvement:

Raccoon River Drive over Sugar Creek Bridge Replacement
Project No. 0510-065-2015

and,

WHEREAS, said contractor has substantially completed the construction of said improvement in accordance with plans and specifications as shown by the report of the City Engineer filed with the City Clerk on August 20, 2018; and,

WHEREAS, the City has retained 5% of the construction costs;

therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA, that said report of the City Engineer is hereby approved and said public improvement is accepted as having been substantially completed in accordance with plans and specifications and the total final construction cost of said improvement is $1,148,523.37 as shown in said report, and that the Finance Director is hereby authorized to make payment to the Contractor in the amount of $57,426.17, which includes retainage for the project, no sooner than 30 days subject to the Contractor satisfying all the conditions of the contract.

PASSED AND APPROVED on this **20th** day of **August, 2018**.

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson
City Clerk

Department of Engineering Services
4200 Mills Civic Pkwy, Ste 2E, PO Box 65320
West Des Moines, IA 50265-0320
(515) 222-3475 Fax (515) 273-0603

THE CITY OF West Des Moines

RETAINAGE

Contractor: Iowa Bridge and Culvert LC
409 N. Avenue B
Washington, IA 52353

Project Title	Raccoon River Dr Over Sugar Creek Bridge	
WDM Project File Number	0510-065-2015	
Purchase Order Number	2017-00000209	
Orig. Contract Amount & Date	$1,174,144.70	09/19/16
Estimated Completion Date	05/31/17	
Pay Period	01/09/18 to 09/15/2018	
Pay Request Number	Retainage	
Date	09/17/18	

BID ITEMS

Item No.	Description	Unit	Est. Qty	Unit Price	Extended Price	Quantity Completed	Value Completed
	BRIDGE ITEMS						
1	Excavation, Class 10, Channel	CY	1,360	$11.90	$16,184.00	1,360.00	$16,184.00
2	Removal of Existing Bridge	LS	1	$35,000.00	$35,000.00	1.00	$35,000.00
3	Excavation, Class 20	CY	220	$35.00	$7,700.00	220.00	$7,700.00
4	Excavation, Class 21	CY	106	$175.00	$18,550.00	106.00	$18,550.00
5	Structural Concrete (Bridge)	CY	127.7	$650.00	$83,005.00	127.70	$83,005.00
6	High Performance Structural Concrete (Bridge)	CY	270.3	$600.00	$162,180.00	270.30	$162,180.00
7	Reinforcing Steel	LB	10,535	$1.05	$11,061.75	10,535.00	$11,061.75
8	Reinforcing Steel, Epoxy Coated	LB	71255	$1.05	$74,817.75	71,255.00	$74,817.75
9	Beams, Pretensioned Prestressed Concrete, BTB 50	EACH	8	$12,000.00	$96,000.00	8.00	$96,000.00
10	Beams, Pretensioned Prestressed Concrete, BTB 90	EACH	4	$20,000.00	$80,000.00	4.00	$80,000.00
11	Structural Steel	LB	4615	$3.50	$16,152.50	4,615.00	$16,152.50
12	Concrete Barrier Railing	LF	443	$45.00	$19,935.00	443.00	$19,935.00
13	Piles, Steel, HP10x57	LF	1,500	$37.00	$55,500.00	1,500.00	$55,500.00
14	Prebored Holes	LF	120	$45.00	$5,400.00	120.00	$5,400.00
15	Bridge Wing Armoring - Erosion Stone	SY	18	$40.00	$720.00	18.00	$720.00
16	Engineering Fabric	SY	2,183	$2.20	$4,802.60	2,098.00	$4,615.60
17	Revetment, Class E	TON	2403	$49.90	$119,909.70	2,270.18	$113,281.98
18	Construction Survey	LS	1	$6,610.00	$6,610.00	1.00	$6,610.00
	ROADWAY ITEMS						
19	Clearing and Grubbing	ACRE	1.6	$25,200.00	$40,320.00	1.60	$40,320.00
20	Excavation, Class 10	CY	11,338	$11.30	$128,119.40	9,598.00	$108,457.40
21	Gravel Shoulder	TON	243	$52.60	$12,781.80	114.79	$6,037.95
22	Paved Shoulder, PCC (Paved Shoulder Panel for Bridge End Drain)	SY	47	$95.00	$4,465.00	47.00	$4,465.00
23	Bridge Approach Pavement, As Per Plan	SY	546	$185.00	$101,010.00	546.00	$101,010.00
24	Bridge End Drain, DR-402	EACH	4	$5,000.00	$20,000.00	4.00	$20,000.00
25	Steel Beam Guardrail	LF	150	$17.50	$2,625.00	150.00	$2,625.00
26	Steel Beam Guardrail Barrier Transition Section	EACH	4	$1,750.00	$7,000.00	4.00	$7,000.00
27	Steel Beam Guardrail End Anchor, Bolted	EACH	4	$175.00	$700.00	4.00	$700.00
28	Steel Beam Guardrail End Terminal	EACH	4	$1,750.00	$7,000.00	4.00	$7,000.00
29	Removal of Pavement	SY	794.00	$11.30	$8,972.20	794.00	$8,972.20
30	Painted Pavement Markings, Waterborne or Solvent-Based	STA	8.28	$125.00	$1,035.00	8.51	$1,063.75
31	Traffic Control	LS	1	$6,600.00	$6,600.00	1.00	$6,600.00
32	Railroad Protective Liability Insurance for IAIS Railroad LTD.	LS	1	$5,200.00	$5,200.00	1.00	$5,200.00
33	Storm Water Pollution Prevention Plan Inspections	EACH	40	$40.00	$1,600.00	46.00	$1,840.00
34	Storm Water Pollution Prevention Plan Preparation	LS	1	$1,100.00	$1,100.00	1.00	$1,100.00
35	Storm Water Pollution Prevention Plan Management	LS	1	$1,000.00	$1,000.00	1.00	$1,000.00
36	Erosion Control Mulching, Hydromulching	ACRE	1.6	$2,500.00	$4,000.00	1.00	$2,500.00
37	Native Grass Seeding	ACRE	0.8	$1,500.00	$1,200.00	1.12	$1,680.00
38	Stabilizing Crop - Seeding and Fertilizing	ACRE	0.8	$625.00	$500.00		$0.00
39	Silt Fence	LF	1694	$1.60	$2,710.40	36.00	$57.60
40	Removal of Silt Fence	LF	1694	$0.40	$677.60		$0.00
41	Perimeter and Slope Sediment Control Device, 9 in. Dia.	LF	1000	$1.60	$1,600.00	1,201.00	$1,921.60

42	Removal of Perimeter and Slope Sediment Control Device	LF	1000	$0.40	$400.00		$0.00
	ITEMS ADDED BY CHANGE ORDER						
43	Additional Detour Signage	LS	1	$3,575.00	$3,575.00	1.00	$3,575.00
44	Rolled Erosion Control Product, Type 2.C	SY	2400	$1.49	$3,576.00	3,872.00	$5,769.28
45	TC-213 Traffic Control Setup	LS	1	$825.00	$825.00	1.00	$825.00
46	Complete Pavement Markings Under Traffic	LS	1	$550.00	$550.00	1.00	$550.00
47	Flaggers	EACH	14	$550.00	$7,700.00	2.00	$1,100.00
48	TC-202 Traffic Control Setup	LS	1	$440.00	$440.00	1.00	$440.00
				TOTAL	$1,190,810.70		$1,148,523.37

MATERIALS STORED SUMMARY

			Description	# of Units	Unit Price	Extended Cost
			None			$0.00
						$0.00
					TOTAL	$0.00

PAY REQUEST SUMMARY

		Total Approved	Total Completed
	Contract Price	$1,174,144.70	$1,148,523.37
	Approved Change Order 1	$3,575.00	
	Approved Change Order 2	($1,274.00)	
	Approved Change Order 3	$9,075.00	
	Approved Change Order 4	($660.00)	
	Approved Change Order 5	($36,337.33)	
	Revised Contract Price	$1,148,523.37	$1,148,523.37
		Materials Stored	$0.00
		Retainage (5%)	$0.00
		Total Earned Less Retainage	$1,148,523.37
Total Previously Approved (list each)	Pay Request 1	$79,097.95	
	Pay Request 2	$97,900.16	
	Pay Request 3	$80,804.91	
	Pay Request 4	$89,349.69	
	Pay Request 5	$92,239.38	
	Pay Request 6	$207,855.72	
	Pay Request 7	$5,183.96	
	Pay Request 8	$210,437.24	
	Pay Request 9	$56,688.82	
	Pay Request 10	$93,558.56	
	Pay Request 11	$54,866.96	
	Pay Request 12	$10,715.32	
	Pay Request 13	$12,398.53	
		Total Previously Approved	$1,091,097.20
		Amount Due This Request	**$57,426.17**
		Percent Complete	100%
		Percent of Contract Period Utilized	100%

The amount $57,426.17 is recommended for approval for payment in accordance with the terms of the Contract

Checked By: CJC JMS

City of West Des Moines

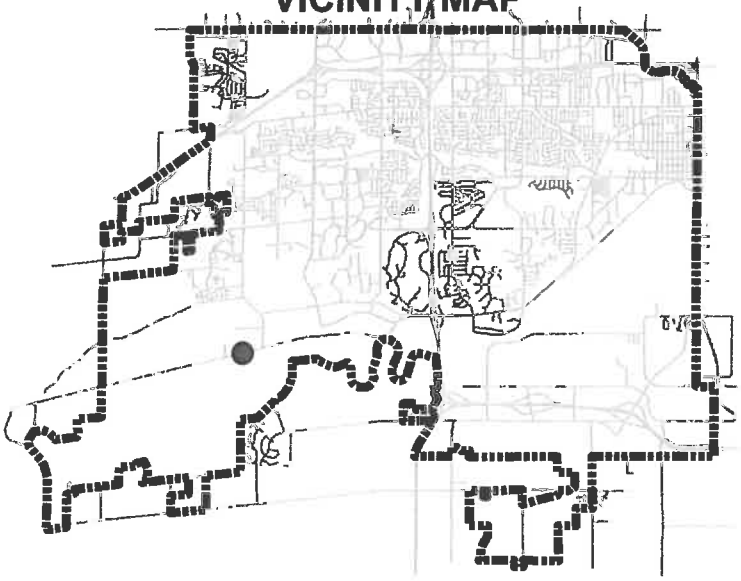
Signature:

Name: Brian J. Hemesath, P.E.

Title: City Engineer

Date: 8-16-18

VICINITY MAP



LEGEND

PROJECT LOCATIONS

N
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THE CITY OF WEST DES MOINES

PROJECT:	**Sugar Creek Conveyance Improvements (0510-065-2015)**	
LOCATION:	**Approximately 1000' West of South 88th Street & Raccoon River Drive**	
DRAWN BY: JDR	DATE: 8-12-2016	SHT. 1 of 1