

13C

DATE March 6, 2017

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT
FOR SW 5TH STREET (JACKSON AVENUE) BRIDGE REHABILITATION, CRAMER AND
ASSOCIATES, INC.**

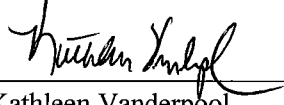
BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Des Moines City Engineer, showing the cost of the construction of the SW 5th Street (Jackson Avenue) Bridge Rehabilitation, 11-2015-004, in accordance with the contract approved between Cramer and Associates, Inc., Robert Cramer, President/CAO, 3100 S.W. Brookside Drive, Grimes, IA 50111, under Roll Call No. 16-0076, of January 11, 2016, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

BE IT FURTHER RESOLVED: That \$2,332,611.16 is the total cost, of which \$2,262,632.83 has been paid the Contractor, and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$69,978.33 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573.

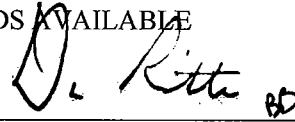
BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by _____ to adopt.

FORM APPROVED:


Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE


Daniel E. Ritter
Des Moines Finance Director

AC Funding Source: 2016-2017 CIP, Page Parks - 8, Multi-Use Trail Bridges, PK177, Being: \$500,000 (maximum) in Iowa Department of Transportation (IDOT) State Recreational Trails fund being 50% eligible construction costs under Agreement No. 2015-RT-009; \$1,000,000 total private funds \$760,000 received, and the remaining funds pledged by the Friends of Jackson Street Bridge - \$120,000 due by 7/16/2017, \$120,000 due by 7/16/2018; \$12,074 Mayor's Annual Ride and Run 2015 proceeds; and the remaining \$820,537.16 in G.O. Bonds, PK177.

COUNCIL ACTION	YEAS	NAYS	Pass	ABSENT
COWNIE				
COLEMAN				
GATTO				
GRAY				
HENSLEY				
MOORE				
WESTERGAARD				
TOTAL				
MOTION CARRIED			APPROVED	

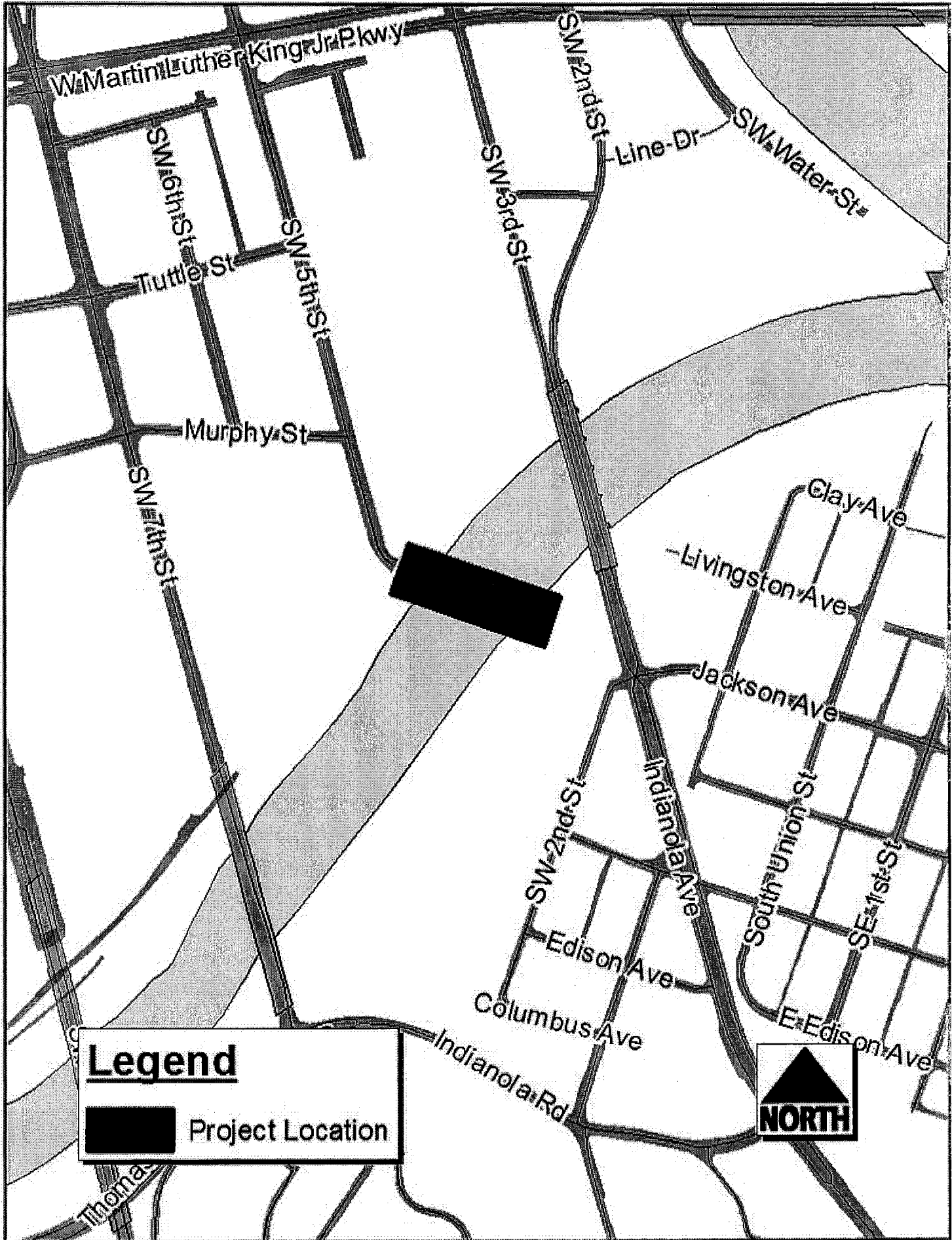
CERTIFICATE

I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

Mayor

City Clerk



Legend

 Project Location





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PROJECT SUMMARY

SW 5th Street (Jackson Avenue) Bridge Rehabilitation

Activity ID 11-2015-004

On January 11, 2016, under Roll Call No. 16-0076, the Council awarded the contract for the above improvements to Cramer and Associates, Inc., in the amount of \$2,245,020.00. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	Engineering	6/13/2016 Add structural steel quantities for typical and end floor beam repairs. Add structural steel for bottom chord connection modification, additional splice plate, and add replacement truss lacing bars. Include painting of utility conduit, which is to be reimbursed by utility company.	\$63,323.00
2	Engineering	8/2/2016 Additional steel repairs: lower chord keeper plates at 36 locations, new steel support bolsters at 12 locations, modifications to existing lower chord repairs, additional lateral bracing for steel stringers, and new keeper plate repairs on two truss verticals.	\$12,616.00
3	Engineering	12/15/2016 Adjustment of project quantities to final as-built quantities. Adding approach/abutment modification, timber deck repairs, minor additional bridge repairs, and adding chain-link fence.	\$11,652.16
Original Contract Amount			\$2,245,020.00
Total Change Orders			\$87,591.16
Percent of Change Orders to Original Contract			3.90%
Total Contract Amount			\$2,332,611.16

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March 6, 2017



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the SW 5th Street (Jackson Avenue) Bridge Rehabilitation, Cramer and Associates, Inc.

SYNOPSIS:

Approve the Engineer's Certification of Completion, accept construction of said improvement, and authorize final payment to the contractor.

FISCAL IMPACT:

Amount: \$2,332,611.16 As-Built Contract Cost

Funding Source: 2016-2017 CIP, Page Parks - 8, Multi-Use Trail Bridges, PK177, Being: \$500,000 (maximum) in Iowa Department of Transportation (IDOT) State Recreational Trails fund being 50% eligible construction costs under Agreement No. 2015-RT-009; \$1,000,000 total private funds \$760,000 received, and the remaining funds pledged by the Friends of Jackson Street Bridge - \$120,000 due by 7/16/2017, \$120,000 due by 7/16/2018; \$12,074 Mayor's Annual Ride and Run 2015 proceeds; and the remaining \$820,537.16 in G.O. Bonds, PK177.

CERTIFICATION OF COMPLETION:

On January 11, 2016, under Roll Call No. 16-0076, the City Council awarded a contract to Cramer and Associates, Inc., Robert Cramer, President/CAO, 3100 S.W. Brookside Drive, Grimes, IA 50111 for the construction of the following improvement:

SW 5th Street (Jackson Avenue) Bridge Rehabilitation, 11-2015-004

The improvement includes rehabilitation of the existing bridge, including: structural steel floorbeam repair, lateral bracing repair, lower chord rehabilitation, end/interior diagonal rehabilitation, reconfigure and refinish wood deck with lookouts, rehabilitate handrails, blast cleaning of structural steel, painting of structural steel, modification of bridge lighting, site restoration, and mobilization. All work in accordance with the contract documents, including Plan File Nos. 566-151/199, for the SW 5th Street (Jackson Avenue) pedestrian bridge over the Raccoon River, located approximately 500 feet upstream of SW 3rd Street in Des Moines, Iowa.

I hereby certify that the construction of said SW 5th Street (Jackson Avenue) Bridge Rehabilitation, Activity ID 11-2015-004, has been completed in substantial compliance with the terms of said contract, and I hereby recommend that the work be accepted. The work commenced on February 9, 2017, and was completed on January 25, 2017.

I further certify that \$2,332,611.16 is the total cost of said improvement, of which \$2,262,632.83 has been paid the Contractor and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$69,978.33 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code Chapter 573. The amount of completed work is shown on the attached Estimate of Construction Completed.



Pamela S. Cooksey, P.E.
Des Moines City Engineer

ENGINEERING DEPARTMENT
CITY OF DES MOINES, IOWA



ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 12/17/16 to 12/31/16
FINAL PAYMENT

Proj No: RT-1945(826)--9H-77

Activity ID: 11-2015-004

PROJECT: SW 5th Street (Jackson Avenue) Pedestrian Bridge Rehabilitation over Raccoon River

CONTRACTOR: Cramer and Associates, Inc.

Date: 1/17/17

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	REMOVAL OF CONCRETE, CONCRETE DEMOLITION AT ABUTMENT BEARINGS	LS	1.000	1.000	1.000	\$ 10,000.00	\$10,000.00
2	STRUCTURAL CONCRETE (MISC.), CONCRETE REPAIRS AT ABUTMENT BEARINGS	CY	3.000	4.000	4.000	\$ 1,600.00	\$6,400.00
3	STRUCTURAL STEEL, TYPICAL FLOORBEAM REPAIR (3 TRUSSES, 5 LOCATIONS PER TRUSS)	LBS	17,025.000	17,791.000	17,791.000	\$ 15.00	\$266,865.00
4	STRUCTURAL STEEL, END FLOORBEAM REPAIR (2 TRUSSES, 1 PER TRUSS)	LBS	3,725.000	4,893.000	4,893.000	\$ 18.00	\$88,074.00
5	STRUCTURAL STEEL, LATERAL BRACING REPAIR (3 TRUSSES, 6 BAYS PER TRUSS)	LS	1.000	1.000	1.000	\$ 170,000.00	\$170,000.00
6	STRUCTURAL STEEL, LOWER CHORD REHABILITATION	LS	1.000	1.000	1.000	\$ 180,000.00	\$180,000.00
7	STRUCTURAL STEEL, END DIAGONAL REHABILITATION	LBS	6,825.000	6,825.000	6,825.000	\$ 17.00	\$116,025.00
8	STRUCTURAL STEEL, INTERIOR DIAGONAL REHABILITATION	LS	1.000	1.000	1.000	\$ 75,000.00	\$75,000.00
9	RECONFIGURATION/REFINISH WOOD DECK (W/ LOOKOUTS)	LS	1.000	1.000	1.000	\$ 180,000.00	\$180,000.00
10	RECONFIGURATION/REHABILITATE HANDRAILS (W/ LOOKOUTS)	LF	880.000	922.000	922.000	\$ 100.00	\$92,200.00
11	BLAST CLEANING OF STRUCTURAL STEEL (TRUSSES)	LS	1.000	1.000	1.000	\$ 235,000.00	\$235,000.00
12	BLAST CLEANING OF STRUCTURAL STEEL (PIERS)	LS	1.000	1.000	1.000	\$ 10,000.00	\$10,000.00
13	CONTAINMENT (TRUSSES)	LS	1.000	1.000	1.000	\$ 235,000.00	\$235,000.00
14	CONTAINMENT (PIERS)	LS	1.000	1.000	1.000	\$ 10,000.00	\$10,000.00
15	PAINT WASTE TRANSPORT AND DISPOSAL (TRUSSES)	LS	1.000	1.000	1.000	\$ 56,500.00	\$56,500.00
16	PAINT WASTE TRANSPORT AND DISPOSAL (PIERS)	LS	1.000	1.000	1.000	\$ 2,500.00	\$2,500.00
17	PAINING OF STRUCTURAL STEEL (TRUSSES)	LS	1.000	1.000	1.000	\$ 235,000.00	\$235,000.00
18	PAINING OF STRUCTURAL STEEL (PIERS)	LS	1.000	1.000	1.000	\$ 15,000.00	\$15,000.00
19	SAFETY CLOSURE	EACH	3.000	3.000	3.000	\$ 650.00	\$1,950.00
20	MOBILIZATION	LS	1.000	1.000	1.000	\$ 150,000.00	\$150,000.00
21	REPAIR LACING, DETAIL D1/004	EACH	42.000	15.000	15.000	\$ 60.00	\$900.00
22	CUT CHANNEL AND GRIND FLUSH, DETAIL D2/004	EACH	60.000	0.000	0.000	\$ 35.00	\$0.00
23	CUT CHANNEL AND GRIND FLUSH, DETAIL D3/004	EACH	30.000	36.000	36.000	\$ 35.00	\$1,260.00
24	ADD/REPLACE PIER BANDS, DETAIL D4/004	EACH	24.000	16.000	16.000	\$ 1,000.00	\$16,000.00
25	BRIDGE LIGHTING MODIFICATIONS (ELECTRICAL MODIFICATIONS)	LS	1.000	1.000	1.000	\$ 115,000.00	\$115,000.00
26	SEEDING, FERTILIZING, AND HYDROMULCH	SQ	100.000	126.000	126.000	\$ 19.00	\$2,394.00
27	PERIMETER AND SLOPE SEDIMENT CONTROL, 9 IN. DIA.	LF	500.000	0.000	0.000	\$ 2.50	\$0.00

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
CO NO. 1							
8001	Bottom Chord Connection Modification	LBS	0.000	429.000	429.000	\$15.00	\$6,435.00
8002	U5/L5 Split Plate	LBS	0.000	10.000	10.000	\$15.00	\$150.00
8003	End Diagonal Lacing Replacement	EACH	0.000	100.000	100.000	\$152.00	\$15,200.00
8004	6" Conduit Painting	LS	0.000	1.000	1.000	\$11,000.00	\$11,000.00
CO NO. 2							
8005	Miscellaneous Steel Repairs	LS	0.000	1.000	1.000	\$12,616.00	\$12,616.00
CO NO. 3							
8006	Abutment and Approach Modification	LS	1.000	1.000	1.000	\$8,400.00	\$8,400.00
8007	Timber Deck Surface Repairs	LS	1.000	1.000	1.000	\$1,754.36	\$1,754.36
8008	Additional Pier Painting	LS	1.000	1.000	1.000	\$3,500.00	\$3,500.00
8009	Caulking of Structural Steel	LS	1.000	1.000	1.000	\$1,260.00	\$1,260.00
8010	End Diagonal Repair Rain Guards	LS	1.000	1.000	1.000	\$350.00	\$350.00
8011	Chain-Link Fence	LS	1.000	1.000	1.000	\$877.80	\$877.80
	ORIGINAL CONTRACT AMOUNT		\$2,245,020.00				
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$2,332,611.16				
	PARTIAL PAYMENT NO. 1		\$14,550.00				
	PARTIAL PAYMENT NO. 2		\$14,380.25				
	PARTIAL PAYMENT NO. 3		\$271,529.97				
	PARTIAL PAYMENT NO. 4		\$301,795.80				
	PARTIAL PAYMENT NO. 5		\$397,119.46				
	PARTIAL PAYMENT NO. 6		\$224,181.55				
	PARTIAL PAYMENT NO. 7		\$153,527.72				
	PARTIAL PAYMENT NO. 8		\$159,196.40				
	PARTIAL PAYMENT NO. 9		\$397,360.50				
	PARTIAL PAYMENT NO. 10		\$201,469.00				
	PARTIAL PAYMENT NO. 11		\$107,974.58				
	PARTIAL PAYMENT NO. 12		\$19,547.60				
	THIS PARTIAL PAYMENT		\$0.00				
	TOTAL PARTIAL PAYMENTS		\$2,262,632.83				
	BALANCE		\$69,978.33				

PREPARED BY: Bentley

CHECKED BY: Broth

Note: Contractor previously signed PP#12 for final concurrence.

TOTAL	\$2,332,611.16
RETAINAGE	\$69,978.33
TOTAL LESS RETAINAGE	\$2,262,632.83
LESS PREVIOUS PAYMENT	\$2,262,632.83
AMOUNT DUE	\$0.00
FINAL PAYMENT	

Funding Source Summary Breakdown	Total Constr. Amount of Project	Total Amount of Non-Eligible Costs	Total Cost Eligible for DOT Grant	Notes
Eligible Construction Costs for IDOT Funding Reimbursement	\$2,332,611.16	\$11,000.00	\$2,321,611.16	Bid Item #8004 is non-eligible
Iowa DOT Grant Amount			\$ 500,000.00	
City of Des Moines' Costs			\$1,821,611.16	
Non-Participating Costs		\$11,000.00		Being paid by private utility