

DATE January 9, 2012

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR S.W. 7TH STREET BRIDGE OVER THE RACCOON RIVER REHABILITATION, CRAMER AND ASSOCIATES, INC.**

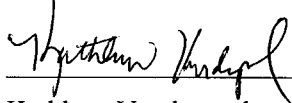
BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Des Moines City Engineer, showing the cost of the construction of the S.W. 7th Street Bridge over the Raccoon River Rehabilitation, 12-2009-002, in accordance with the contract approved between Cramer and Associates, Inc., Robert Cramer, President/CAO, 3100 S.W. Brookside Drive, Grimes, IA 50111, under Roll Call No. 10-555, of April 12, 2010, 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 \$2,032,158.33 is the total construction cost of which \$1,747,949.17 has been paid to the Contractor, with a final partial payment of \$254,209.16 to be paid now, and the remaining balance of \$30,000.00 be paid at the end of thirty days, provided no claims or liens have been filed against said project, and provided that a release of this payment has been approved by the Iowa Department of Transportation through the Department of Engineering for the City of Des Moines, Iowa. Said Engineering Department shall not release this payment until all project audits have been completed, and any monetary penalties resulting from audit deficiencies shall be deducted from said balance of \$30,000.00 before being released to the Contractor.

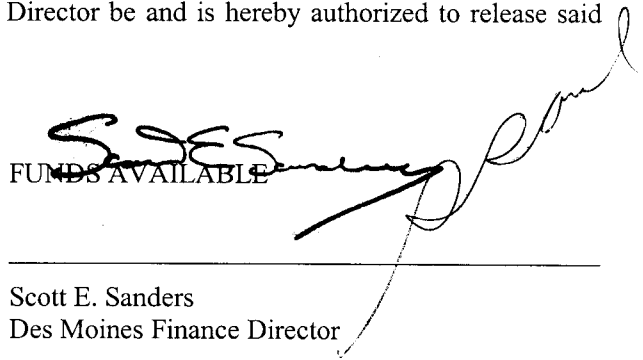
BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:

  
Kathleen Vanderpool  
Deputy City Attorney

FUNDS AVAILABLE

  
Scott E. Sanders  
Des Moines Finance Director

Funding Source: 2011-2012 CIP, Page Bridge-16, S.W. Seventh Street Bridge over the Raccoon River, BRV046, Being: \$1,000,000 Federal Highway Bridge Replacement and Rehabilitation (HBRR) funds (80% of eligible construction to \$1,000,000 maximum); \$300,000 in Gaming Monies; and the remaining \$732,158.33 from G. O. Bonds

BHM-1945(752)--8K-77

★ **Roll Call Number**

**Agenda Item Number**

9D

DATE January 9, 2012

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				
MOTION CARRIED		APPROVED		
<hr/>				
Mayor				

**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.

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City Clerk



## PROJECT SUMMARY

### S.W. 7th Street Bridge over the Raccoon River Rehabilitation

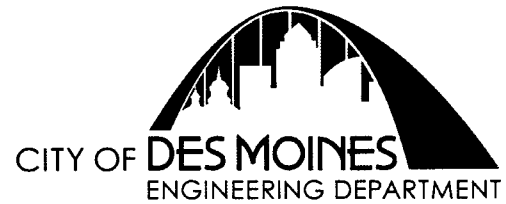
#### Activity ID 12-2009-002

On April 12, 2010, under Roll Call No. 10-555, the Council awarded the contract for the above improvements to Cramer and Associates, Inc., in the amount of \$1,433,246.20. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	Engineering	2/22/2011 Mutual Benefit to change from Type 'O' Concrete Mix to HPC overlay at the request of the Contractor	\$0.00
2	Engineering	2/28/2011 Provide additional cost for longitudinal gooving.	\$10,000.50
3	Engineering	2/28/2011 Additional Concrete Repair, Cross Beams. Delete Temporary Shoring - Cross Beams. Revised Temporary Shoring of Cross Beams.	\$288,360.32
4	Engineering	3/9/2011 Four drain extensions to protect levee. Conduit pull boxes, handhole, pull rope & tracer wire.	\$24,088.70
5	Engineering	3/23/2011 Add Deck Repair, Class 'B' to the contract.	\$22,266.00
6	Engineering	Additional Traffic Control cost for closure during overlay and weight limit restriction during repairs.	\$24,202.65
7	Engineering	12/19/2011 Adjust Final Quantities to 'As-Built'	\$229,993.96
<b>Original Contract Amount</b>			\$1,433,246.20
<b>Total Change Orders</b>			\$598,912.13
<b>Percent of Change Orders to Original Contract</b>			41.79%
<b>Total Contract Amount</b>			\$2,032,158.33

9D

January 9, 2012



**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the S.W. 7th Street Bridge over the Raccoon River 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: \$2,032,158.33 As-Built Contract Cost

Funding Source: 2011-2012 CIP, Page Bridge-16, S.W. Seventh Street Bridge over the Raccoon River, BRV046, Being: \$1,000,000 Federal Highway Bridge Replacement and Rehabilitation (HBRR) funds (80% of eligible construction to \$1,000,000 maximum); \$300,000 in Gaming Monies; and the remaining \$732,158.33 from G. O. Bonds

**CERTIFICATION OF COMPLETION:**

On April 12, 2010, under Roll Call No. 10-555, 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:

S.W. 7th Street Bridge over the Raccoon River Rehabilitation, 12-2009-002

The improvement includes concrete removals, structural concrete, reinforcing steel, epoxy coated reinforcing steel, deck overlay, deck repair, steel extrusion joint with neoprene, neoprene gland installation and testing, blast cleaning structural steel, painting structural steel, removal of sidewalk, sidewalk 6" PCC, electrical circuit, construction survey, pavement markings, temporary concrete barrier rail, traffic control, changeable message sign, mobilization, bearing repair, epoxy crack injection and concrete repairs; all in accordance with the contract documents, including Plan File Nos. 509-119/149 for the S.W. 7th Street Bridge over the Raccoon River in Des Moines, Iowa

I hereby certify that the construction of said S.W. 7th Street Bridge over the Raccoon River Rehabilitation, Activity ID 12-2009-002, 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 April 21, 2011, and was completed on December 28, 2011.

I further certify that \$2,032,158.33 is the total construction cost of which \$1,747,949.17 has been paid to the Contractor, with a final partial payment of \$254,209.16 to be paid now, and the remaining balance of \$30,000.00 be paid at the end of thirty days, provided no claims or liens have been filed against said project, and provided that a release of this payment has been approved by the Iowa Department of Transportation through the Department of Engineering for the City of Des Moines, Iowa. Said Engineering Department shall not release this payment until all project audits have been completed, and any monetary penalties resulting from audit deficiencies shall be deducted from said balance of \$30,000.00 before being released to the Contractor. The amount of completed work is shown on the attached Estimate of Construction Completed.

A handwritten signature in black ink, reading "Jeb E. Brewer" with a stylized flourish at the end. A small "P.E." is written in the bottom right corner of the signature.

Jeb E. Brewer, P.E.  
Des Moines City Engineer



**ESTIMATE OF CONSTRUCTION COMPLETED**

FOR WORK DONE FROM 01/29/2011 to 11/02/2011

**PARTIAL PAYMENT NO. 4 - FINAL**

*RC by SA*  
*12/30/11*

Proj No: BHM-1945(752)-8K-77  
Activity ID: 12-2009-002  
Date: 11/17/2011

**PROJECT: S.W. 7TH STREET BRIDGE OVER THE RACCOON RIVER REHABILITATION**  
**CONTRACTOR: CRAMER AND ASSOCIATES, INC.**

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	Removals, As Per Plan	LS	1.000	1.000	1.000	\$80,000.00	\$80,000.00
2	Structural Concrete(Bridge)	CY	10.900	23.610	23.610	\$4,500.00	\$106,245.00
3	Reinforcing Steel	LB	2,074.000	418.000	418.000	\$1.80	\$752.40
4	Reinforcing Steel, Epoxy Coated	LB	605.000	605.000	605.000	\$1.90	\$1,149.50
5	Deck Over-Depth Overlay (Class HPC-O)	SY	195.000	111.910	111.910	\$200.00	\$22,382.00
6	Deck Overlay (Class HPC-O)	SY	4,230.000	4,224.480	4,224.480	\$50.00	\$211,224.00
7	Deck Repair, Class A	SY	885.000	395.580	395.580	\$130.00	\$51,425.40
8	Deck Repair, Class A, Special	SY	72.000	111.910	111.910	\$165.00	\$18,465.15
9	Steel Extrusion Joint with Neoprene	LF	322.500	645.000	322.500	\$145.00	\$46,762.50
10	Neoprene Gland Installation and Testing	LF	319.200	638.400	319.200	\$25.00	\$7,980.00
11	Revetment, Class D	TON	85.000	170.000	85.000	\$50.00	\$4,250.00
12	Blast Cleaning of Structural Steel	LS	1.000	2.000	1.000	\$11,000.00	\$11,000.00
13	Painting of Structural Steel	LS	1.000	2.000	1.000	\$25,000.00	\$25,000.00
14	Removal of Sidewalk	SY	17.400	17.500	17.500	\$120.00	\$2,100.00
15	Sidewalk, Reinforced PCC, 6"	SY	17.400	17.500	17.500	\$200.00	\$3,500.00
16	Electrical Circuits	LF	880.000	868.000	868.000	\$21.00	\$18,228.00
17	Construction Survey	LS	1.000	1.000	1.000	\$100.00	\$100.00
18	Painted Pavement Markings, Durable	STA	26.000	25.100	25.100	\$215.00	\$5,396.50
19	Removable Tape Markings	STA	9.000	23.510	23.510	\$108.00	\$2,539.08
20	Painted Symbols and Legends, Durable	EA	4.000	8.000	4.000	\$150.00	\$600.00
21	Pavement Markings Removed	STA	4.000	5.500	5.500	\$130.00	\$715.00
22	Temp Barrier Rail, Concrete	LF	2,112.500	1,943.500	1,943.500	\$8.00	\$15,548.00
23	Traffic Control	LS	1.000	2.000	1.000	\$8,800.00	\$8,800.00
24	Changeable Message Signs, Portable	CDAV	28.000	54.000	54.000	\$75.00	\$4,050.00
25	Mobilization	LS	1.000	2.000	1.000	\$270,000.00	\$270,000.00
26	Bearing Repair - Relocate Base Plate	EA	2.000	4.000	2.000	\$1,000.00	\$2,000.00
27	Bearing Repair - Relocate Base Plate & Extend Masonry Plate	EA	5.000	10.000	5.000	\$1,200.00	\$6,000.00
28	Bearing Repair - Replace Bronze Plate	EA	6.000	6.000	6.000	\$3,200.00	\$19,200.00
29	Temporary Shoring - Cross Beam Repairs	EA	4.000	0.000	0.000	\$4,800.00	\$0.00

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LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
30	Welding of Reinforcing Steel	EA	145.000	0.000	0.000	\$36.00	\$0.00
31	Epoxy Crack Injection	LF	240.000	180.000	180.000	\$67.00	\$12,060.00
32	Concrete Repair - Arch	SF	923.000	1,659.720	1,659.720	\$162.00	\$268,874.64
33	Concrete Repair - Cross Beams	SF	911.000	2,307.360	2,307.360	\$162.00	\$373,792.32
34	Concrete Repair - Deck Underside	SF	207.000	515.130	515.130	\$162.00	\$83,451.06
35	Concrete Repair - Piers	SF	177.000	452.090	452.090	\$128.00	\$57,867.52
36	Concrete Repair - Rail and Curb	SF	624.000	1,156.520	1,156.520	\$89.00	\$102,930.28
37	Concrete Repair - Sidewalk	SF	329.000	714.960	714.960	\$63.00	\$45,042.48
	CHANGE ORDERS						
CO No. 1	Replace Deck Overlay and Overdepth Deck Overlay, Class 'O' PCC with HPC Overlay At Contract Price for Class 'O'.		-	NC	NC	\$0.00	\$0.00
CO No. 2	Additional cost for Longitudinal Grooving of Bridge Deck	SY		4,425.000	4,425.000	\$2.26	\$10,000.50
CO No. 3	Additional Bid Item 0330 Concrete Repair, Cross Beam	SF	-	1,396.360	1,396.360	\$162.00	\$0.00
	Delete Bid Item 0290 Temporary Shoring - Cross Beam	EA	-	-4.000	-4.000	\$4,800.00	\$0.00
	Add Revised Temporary Shoring for Cross Beams for additional repairs	EA	-	20.000	20.000	\$4,067.50	\$81,350.00
CO No. 4	Supply and Install Drain Extensions	LS	-	1.000	1.000	\$20,925.00	\$20,925.00
	Additional Conduit Pull Boxes (2) and Handhole	LS	-	1.000	1.000	\$3,163.70	\$3,163.70
CO No. 5	Add Class 'B' Deck Repair	SY	-	74.220	74.220	\$300.00	\$22,266.00
CO No. 6	Additional Bid Item 0080 - Deck Repair, Class 'A', Special	SY	-	39.910	39.910	\$165.00	\$0.00
	Additional Bid Item 0140 - Removal of Sidewalk	SY	-	0.100	0.100	\$120.00	\$0.00
	Additional Bid Item 0150 - Sidewalk, Reinforced PCC, 6"	SY	-	0.100	0.100	\$200.00	\$0.00
	Additional Bid Item 0190 - Removable Tape Markings	STA	-	14.510	14.510	\$108.00	\$0.00
	Additional Bid Item 0210 - Pavement Marking Removal	STA	-	1.500	1.500	\$130.00	\$0.00
	Additional Bid Item 0240 - Changeable Message Signs, Portable	CDA	-	14.000	14.000	\$75.00	\$0.00
	Additional Bid Item 0360 - Concrete Repair - Rail and Curb	SF	-	110.000	110.000	\$89.00	\$0.00
	Temporary Road Closer for Placement of Overlay	CDA	-	10.000	10.000	\$300.00	\$3,000.00
	Temporary Painted Markings	STA	-	17.620	17.620	\$40.00	\$704.80
	Weight Limit Signage during Beam Repairs	SF	-	58.500	58.500	\$15.00	\$877.50
	Night Lane Closures	NITE	-	8.000	8.000	\$55.00	\$440.00
CO No. 7	Adjust Final Quantities to 'As Built'		-	-	-		\$0.00



