

DATE November 23, 2009

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR UNIVERSITY AVENUE BRIDGE OVER THE DES MOINES RIVER - ARCH 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 Jurisdictional Engineer, showing the cost of the construction of the University Avenue Bridge over the Des Moines River - Arch Rehabilitation, 12-2005-002, in accordance with the contract approved between Cramer and Associates, Inc., Robert Cramer, President/CAO, 990 NE 44th Avenue, Des Moines, IA 50313, under Roll Call No. 05-1445, of June 6, 2005, 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 \$1,742,313.10, is the total construction cost of which \$1,648,028.41 has been paid to the Contractor, with a final partial payment of \$64,284.69 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.

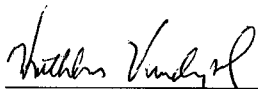
BE IT FURTHER RESOLVED: That the Engineering Department be and is hereby authorized and directed to notify all persons and firms with outstanding Chapter 573 claims against said project, that the project has been given final acceptance as completed by this City Council, that they have 60 days from such acceptance within which to initiate suit to collect on their claims, and that if suit is not commenced within that time, the City of Des Moines will be required to release the retainage which it is now holding.

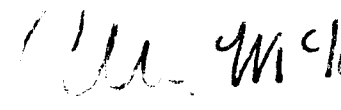
BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.

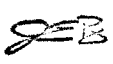
Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE


Kathleen Vanderpool
Deputy City Attorney


Allen McKinley
Des Moines Finance Director

 Funding Source: 2009-2010 CIP, Page Bridge-20, University Avenue Bridge over the Des Moines River, BRV036, Various Funding, Being: \$1,000,000 maximum in Federal Highway Bridge Replacement and Rehabilitation Funds and \$742,313.10 in G. O. Bonds

BHM-1945(695)--8K-77

★ **Roll Call Number**

Agenda Item Number

14C

DATE November 23, 2009

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
HENSLEY				
KIERNAN				
MAHAFFEY				
MEYER				
VLASSIS				
TOTAL				
MOTION CARRIED		APPROVED		

Mayor

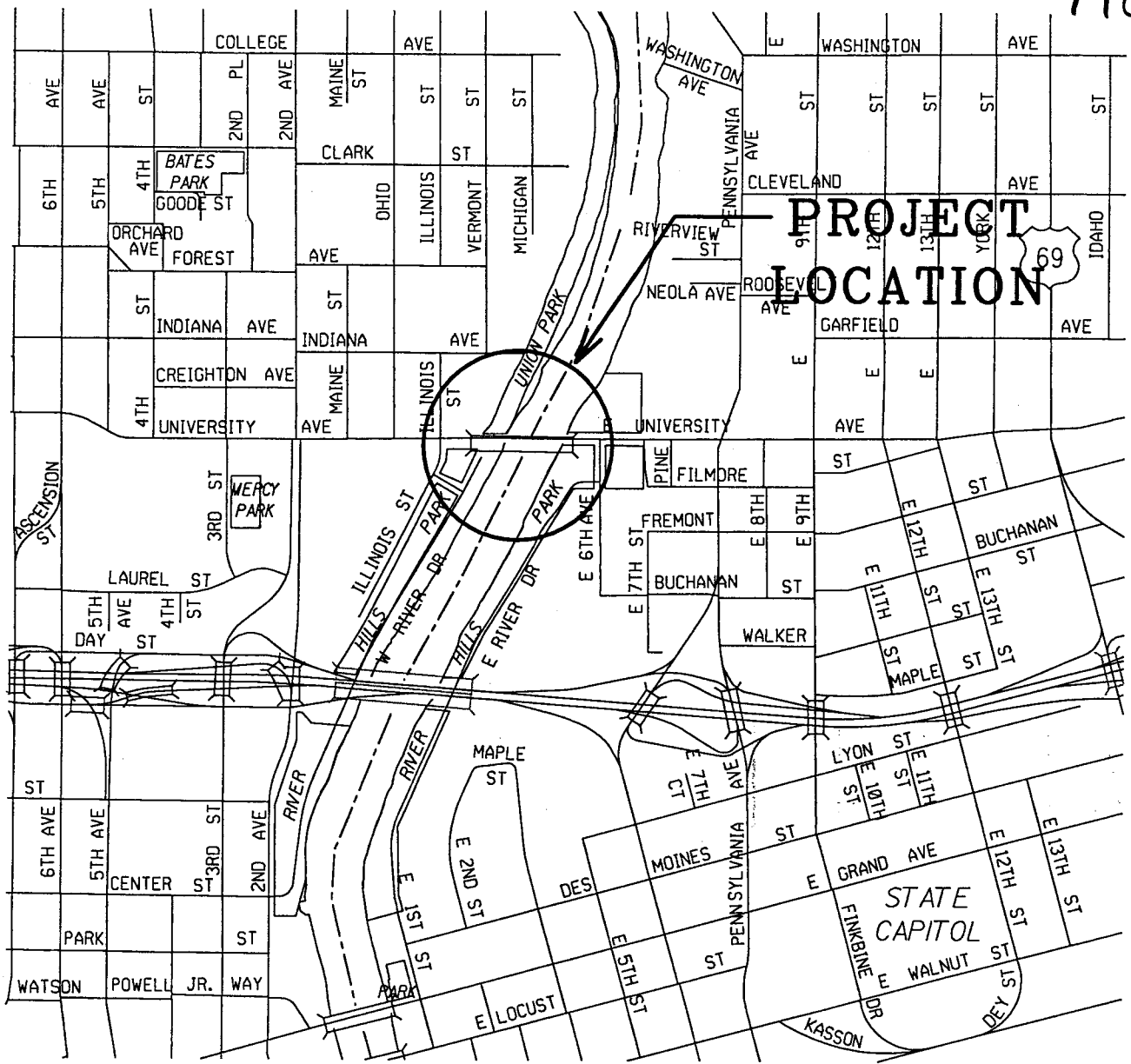
CERTIFICATE

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.

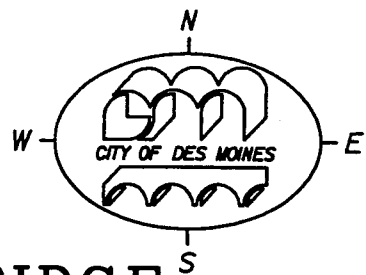
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

City Clerk

14C



**PROJECT
LOCATION**



**UNIVERSITY AVENUE BRIDGE
OVER DES MOINES RIVER
ARCH REHABILITATION
ACTIVITY I.D. 12-2005-002**

PROJECT SUMMARY

University Avenue Bridge over Des Moines

Activity ID 12-2005-002

On June 6, 2005 under Roll Call No. 05-1444, the Des Moines City Council awarded the contract for the above improvement to Cramer and Associates, Inc.. in the amount of \$1,463,991.40, for bridge arch rehabilitation including concrete arch removal and repair, Class 20 excavation, structural concrete, epoxy reinforcing steel, mortar repair, concrete repairs, epoxy injection, drilled dowels, arch waterproofing and traffic control on the University Avenue Bridge over the Des Moines River, within the City of Des Moines, Iowa.

Tabulated below is a history of project change orders.

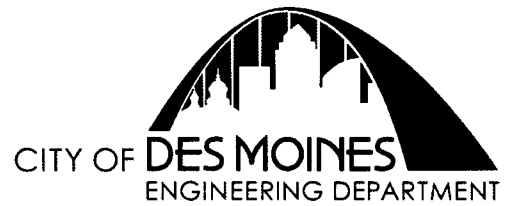
<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
1	10/16/2006 Additional estimated quantities for arch rehabilitation in last two spans.	Engineering	\$78,095.00
3	5/8/2007 Increase quantities for Excavation, Arch Repair Concrete & Arch Waterproofing which are approaching the approved quantities in the contract.	Engineering	\$14,140.20
2	4/26/2007 Additional Quantities to adjust estimated to current quantities used for Concrete Removal, Repair Concrete, Arch Waterproofing and Concrete Repair	Engineering	\$123,116.00
4	6/14/2007 Increase quantities for additional Structural Concrete, Epoxy Reinforcing Steel, Arch Concrete Removal and Repair.	Engineering	\$17,544.41
5	11/19/2007 Adjust final quantities to 'As Built' based on audit By IDOT:	Engineering	\$55,456.49
6	2/7/2008 Deduct Epoxy Reinforcing Steel	Engineering	(\$10,030.40)

14c

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
	Original Contract Amount		\$1,463,991.40
	Total Change Orders		\$278,321.70
	Percent of Change Orders to Original Contract		19.01%
	Final Contract Amount		\$1,742,313.10

14C

November 23, 2009



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the University Avenue Bridge over the Des Moines River - Arch Rehabilitation, Cramer and Associates, Inc..

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$1,742,313.10 As-Built Contract Cost

Funding Source: 2009-2010 CIP, Page Bridge-20, University Avenue Bridge over the Des Moines River, BRV036, Various Funding, Being: \$1,000,000 maximum in Federal Highway Bridge Replacement and Rehabilitation Funds and \$742,313.10 in G. O. Bonds

CERTIFICATION OF COMPLETION:

On June 6, 2005, under Roll Call No. 05-1445, the City Council awarded a contract to Cramer and Associates, Inc., Robert Cramer, President/CAO, 990 NE 44th Avenue, Des Moines, IA 50313 for the construction of the following improvement:

University Avenue Bridge over the Des Moines River - Arch Rehabilitation, 12-2005-002

Bridge rehabilitation including concrete arch removal and repair, Class 20 excavation, structural concrete, epoxy coated reinforcing steel, mortar repairs, concrete repair, epoxy injection, drilled in dowels, arch waterproofing, and traffic control all in accordance with the contract documents as per Plan File Nos. 448-052/068 on the University Avenue Bridge over the Des Moines River in Des Moines, Polk County, Iowa

I hereby certify that the construction of said University Avenue Bridge over the Des Moines River - Arch Rehabilitation, Activity ID 12-2005-002, 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 September 19, 2005, and was completed on November 13, 2009.

I further certify that \$1,742,313.10 is the total cost of said improvement, of which \$1,648,028.41 has been paid the Contractor and \$64,284.69 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$30,000.00 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.



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

ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 01/23/08 TO 04/20/09
PARTIAL PAYMENT NO. 10 - FINAL

PROJECT: University Avenue Bridge over the Des Moines River - Arch Rehabilitation
CONTRACTOR: Cramer and Associates, Inc.

PARTIAL PAYMENT NO. 10 - FINAL

LINE NO.	DESCRIPTION	UNIT	UNITS			CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED				
0010	Excavation, Class 20	CY	40	56,600		56,600	\$60.00	\$3,396.00
0020	Structural Concrete (Bridge)	CY	240	252,500		252,500	\$3,090.00	\$780,225.00
0030	Reinforcing Steel, Epoxy Coated	LB	62,579	56,310,000		56,310,000	\$1.60	\$90,096.00
0040	Traffic Control	LS	1	1,000		1,000	\$10,000.00	\$10,000.00
0050	Mobilization	LS	1	1,000		1,000	\$145,000.00	\$145,000.00
0060	Arch Concrete Removal	CY	53	91,460		91,460	\$2,010.00	\$183,834.60
0070	Arch Repair Concrete	CY	53	74,560		74,560	\$2,440.00	\$181,926.40
0080	Repair Mortar	CY	1.30	1,890		1,890	\$8,600.00	\$16,254.00
0090	Traffic Control for Two Lane Closure	DAY	40	0,000		0,000	\$200.00	\$0.00
0100	Drilled In Dowels	EACH	7,470	7,470,000		7,470,000	\$8.00	\$59,760.00
0110	Epoxy Crack Injection	LF	250	365,000		365,000	\$55.00	\$20,075.00
0120	Arch Waterproofing	SF	9,690	12,493,240		12,493,240	\$5.00	\$62,466.20
0130	Concrete Repair	SF	925	1,992,420		1,992,420	\$95.00	\$189,279.90
CO No. 1	Additional Quantities Bid Items 0060, 0070, 0080, 0090							\$0.00
CO No. 2	Additional Quantities Bid Items 0060, 0070, 0120, 0130							\$0.00
CO No. 3	Additional Quantities Bid Items 0060, 0070, 0120, 0130							\$0.00
CO No. 4	Adjust Final Quantities to 'As-Built'							\$0.00
CO No. 5	Adjust Audited Final Quantities to 'As-Built'							\$0.00
CO No. 6	Adjust Audited Final Quantities to 'As-Built'							\$0.00

14 C



PROJECT: University Avenue Bridge over the Des Moines River - Arch Rehabilitation
CONTRACTOR: Cramer and Associates, Inc.

PARTIAL PAYMENT NO. 10 - FINAL

14C

LINE NO.	DESCRIPTION	UNIT	UNITS		CONSTRUCTED TO DATE	UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED			
	ORIGINAL CONTRACT AMOUNT		\$1,463,991.40				
	APPROVED CHANGE ORDER NO. 1, 2, 3, 4, 5 and 6		\$278,321.70				
	APPROVED CONTRACT WITH CHANGE ORDERS		\$1,742,313.10				
	PARTIAL PAYMENT NO. 1		\$323,172.35				
	PARTIAL PAYMENT NO. 2		\$162,441.21				
	PARTIAL PAYMENT NO. 3		\$84,372.16				
	PARTIAL PAYMENT NO. 4		\$267,273.15				
	PARTIAL PAYMENT NO. 5		\$173,723.70				
	PARTIAL PAYMENT NO. 6		\$172,220.74				
	PARTIAL PAYMENT NO. 7		\$180,762.86				
	PARTIAL PAYMENT NO. 8		\$70,015.14				
	PARTIAL PAYMENT NO. 9		\$214,047.10				
	THIS PARTIAL PAYMENT		\$64,284.69				
	TOTAL PARTIAL PAYMENTS		\$1,712,313.10				
	BALANCE		\$30,000.00				
	Percent Complete	100%					
	TOTAL						\$1,742,313.10
	RETAINAGE (3%)						\$30,000.00
	TOTAL LESS RETAINAGE						\$1,712,313.10
	LESS PREVIOUS PAYMENT						\$1,648,028.41
	AMOUNT DUE						\$64,284.69

PARTIAL PAYMENT NO. 10 - FINAL

PREPARED BY: 
 CHECKED BY: 

CONTRACTOR APPROVAL: _____