

DATE January 14, 2019

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT
FOR DES MOINES RIVER EAST STORM SEWER BOX EMERGENCY REPAIR, CRAMER AND
ASSOCIATES, INC.**

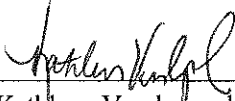
BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Des Moines City Engineer, showing the cost of the construction of the Des Moines River East Storm Sewer Box Emergency Repair, 08-2017-004, in accordance with the contract approved between Cramer and Associates, Inc., Robert Cramer, President/CAO, 3100 S.W. Brookside Drive, Grimes, IA 50111, under Roll Call No. N/A, of February 20, 2017, 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 \$3,860,693.93 is the total cost, of which \$3,744,873.11 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 \$0.00 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.

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


Robert L. Fagen
Des Moines Finance Director

SLN Funding Source: 2018-2019 CIP, Page Storm - 4, City-wide Storm Water Utility Projects, SM057, Storm Water Utility Funds

COUNCIL ACTION	YEAS	NAYS	Pass	ABSENT
COWNIE				
BOESEN				
COLEMAN				
GATTO				
GRAY				
MANDELBAUM				
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

PROJECT SUMMARY

Des Moines River East Storm Sewer Box Emergency Repair

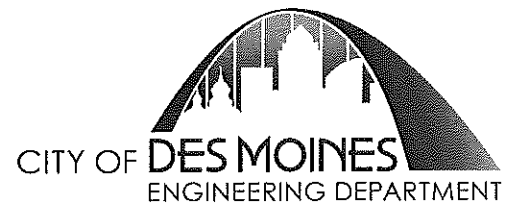
Activity ID 08-2017-004

On February 20, 2017, under Roll Call No. N/A, the Council awarded the contract for the above improvements to Cramer and Associates, Inc., in the amount of \$1,967,500.00. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	City	4/3/2017 Add flowable mortar and concrete under balustrade wall footing to prevent additional scour.	\$38,340.00
2	City	4/25/2017 Adjust quantities of temporary sheet pile wall, rip rap and pressure inject grout due to additional scour upstream of the Grand Avenue bridge	\$226,680.00
3	City	8/10/2017 Cut and remove sheeting under the Grand Avenue bridge, install concrete plug in sewer box, additional sheet piling.	\$18,981.59
4	City	11/13/2017 Remove and replace the Riverwall and Balustrades between the Grand Avenue and Locust Street Bridges along the east side of the Des Moines River.	\$1,469,463.00
5	City	8/9/2018 Provide erosion control, restore Riverwalk features, adjust contract to as-built quantities.	\$134,806.89
6	City	11/26/2018 Regrade and sod slope between Balustrade Wall and the sidewalk.	\$4,922.45
Original Contract Amount			\$1,967,500.00
Total Change Orders			\$1,893,193.93
Percent of Change Orders to Original Contract			96.22%
Total Contract Amount			\$3,860,693.93

January 14, 2019

CERTIFICATION OF COMPLETION



AGENDA HEADING:

Accepting completed construction and approving final payment for the Des Moines River East Storm Sewer Box Emergency Repair, 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: \$3,860,693.93 As-Built Contract Cost

Funding Source: 2018-2019 CIP, Page Storm - 4, City-wide Storm Water Utility Projects, SM057, Storm Water Utility Funds

CERTIFICATION OF COMPLETION:

On February 20, 2017, under Roll Call No. N/A, 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:

Des Moines River East Storm Sewer Box Emergency Repair, 08-2017-004

The improvement includes installation and removal of a sheet pile coffer dam, dewatering, installation of pressure grout and rip rap, backfill of the river wall, topsoil and seeding at the east side of the Des Moines River between the Grand Avenue and Locust Street bridges; all in accordance with the contract documents including Plan File Nos. 579-003/005, located in Des Moines, Iowa

I hereby certify that the construction of said Des Moines River East Storm Sewer Box Emergency Repair, Activity ID 08-2017-004, 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 20, 2017, and was completed on December 31, 2018.

I further certify that \$3,860,693.93 is the total cost of said improvement, of which \$3,744,873.11 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 \$0.00 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.

Steven L. Naber, P.E.
Des Moines City Engineer

12A

ENGINEERING DEPARTMENT
CITY OF DES MOINES, IOWA



ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 11/29/2018 to 11/30/2018
FINAL PAYMENT

PROJECT: DES MOINES RIVER EAST STORM SEWER BOX EMERGENCY REPAIR
CONTRACTOR: CRAMER & ASSOCIATES, INC.

Proj No: None
Activity ID: 08-2017-004
Date: 6/29/2018

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	Temporary Sheet Pile Wall	LF	400.00	470.00	470.00	\$1,200.00	\$564,000.00
2	Dewatering	LS	1.00	0.50	0.50	\$36,000.00	\$18,000.00
3	Pressure Injected Grout	CY	1000.00	675.10	675.10	\$1,030.00	\$695,353.00
4	Grout Hole Repairs	EACH	200.00	39.00	39.00	\$150.00	\$5,850.00
5	Epoxy Crack Injection	LF	150.00	0.00	0.00	\$50.00	\$0.00
6	Rip Rap Class B	TON	1800.00	2429.58	2,429.58	\$90.00	\$218,662.20
7	Embankment Fill	CY	2000.00	2210.00	2,210.00	\$24.00	\$53,040.00
8	Topsoil	CY	400.00	320.00	320.00	\$50.00	\$16,000.00
9	PCC Sidewalk, 5"	SY	200.00	281.80	281.80	\$70.00	\$19,726.00
10	Seeding, Type 1 with Bonded Fiber Matrix Hydraulic Mulch	SQ	200.00	0.00	0.00	\$15.00	\$0.00
11	Mobilization	LS	1.00	0.85	0.85	\$137,000.00	\$116,450.00
1.01	Flowable Motar Fill	CY	0.00	48.00	48.000	\$150.00	\$7,200.00
1.02	Concrete Fill	CY	0.00	180.00	180.000	\$173.00	\$31,140.00
3.01	Cut off Sheeting under the Grand Ave. Bridge	LS	0.00	1.00	1.000	\$51,600.00	\$51,600.00
3.02	Plug Sewer Box	LS	0.00	1.00	1.000	\$7,201.59	\$7,201.59
3.03	Assist with Soil Borings	HOUR	0.00	13.00	13.000	\$110.00	\$1,430.00
4.01	Additional Mobilization	LS	0.00	1.00	1.000	\$87,000.00	\$87,000.00
4.02	Additional Dewatering	LS	0.00	1.00	1.000	\$335,000.00	\$335,000.00
4.03	Demolition of Riverwall	LS	0.00	1.00	1.000	\$405,000.00	\$405,000.00
4.04	Flowable Mortar	CY	0.00	335.00	335.000	\$150.00	\$50,250.00
4.05	Sand Fill	TON	0.00	1,203.71	1,203.710	\$34.00	\$40,926.14
4.06	Leveling Course	CY	0.00	100.00	100.000	\$220.00	\$22,000.00
4.07	New Wall Concrete	CY	0.00	199.00	199.000	\$1,300.00	\$258,700.00
4.08	New Footing Concrete	CY	0.00	491.00	491.000	\$300.00	\$147,300.00
4.09	Reinforcing Steel	LB	0.00	168,791.00	168,791.000	\$1.50	\$253,186.50
4.10	HP 10x57	LF	0.00	4,480.00	4,480.000	\$43.00	\$192,640.00
4.11	Excavation	CY	0.00	1,400.00	1,400.000	\$24.00	\$33,600.00
4.12	Rip Rap	TON	0.00	0.00	0.000	\$90.00	\$0.00
4.13	Mock-Up	EACH	0.00	2.00	2.000	\$7,500.00	\$15,000.00
4.14	Balustrade Rail	LF	0.00	281.40	281.400	\$600.00	\$168,840.00

12A

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
5.01	Erosion Control	LF	0.00	941.00	941.000	\$2.75	\$2,587.75
5.02	Turf Reinforcement Mat Tyoe 2 - P-300	SY	0.00	187.22	187.220	\$8.25	\$1,544.57
5.03	Wood Excelsior Mat	SQ	0.00	72.73	72.730	\$24.75	\$1,800.07
5.04	Flexterra	SQ	0.00	61.28	61.280	\$22.00	\$1,348.16
5.05	Regrade Slope	LS	0.00	1.00	1.000	\$1,260.60	\$1,260.60
5.06	Restore Riverwalk Features	LS	0.00	1.00	1.000	\$27,287.15	\$27,287.15
5.07	Grading on North side of Grand	LS	0.00	1.00	1.000	\$5,447.75	\$5,447.75
6.01	Cut Down Overgrown Vegetation	LS	0.00	1.00	1.000	\$550.00	\$550.00
6.02	Regrade Slope	LS	0.00	1.00	1.000	\$1,242.45	\$1,242.45
6.03	Sod	SQ	0.00	11.00	11.000	\$110.00	\$1,210.00
6.04	Water Sod	EACH	0.00	3.00	3.000	\$440.00	\$1,320.00
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$3,860,693.93				
PARTIAL PAYMENT NO. 1			\$741,220.84				
PARTIAL PAYMENT NO. 2			\$453,151.02				
PARTIAL PAYMENT NO. 3			\$351,073.07				
PARTIAL PAYMENT NO. 4			\$125,464.26				
PARTIAL PAYMENT NO. 5			\$275,470.72				
PARTIAL PAYMENT NO. 6			\$428,936.43				
PARTIAL PAYMENT NO. 7			\$612,314.92				
PARTIAL PAYMENT NO. 8			\$566,826.49				
PARTIAL PAYMENT NO. 9			\$53,866.18				
PARTIAL PAYMENT NO. 10			\$131,774.41				
PARTIAL PAYMENT NO. 11			\$4,774.77				
FINAL PAYMENT NO. 12			\$0.00				
TOTAL PARTIAL PAYMENTS			\$3,744,873.11				
BALANCE			\$115,820.82				

PREPARED BY: 

CHECKED BY: 

TOTAL	\$3,860,693.93
RETAINAGE	\$115,820.82
TOTAL LESS RETAINAGE	\$3,744,873.11
LESS PREVIOUS PAYMENT	\$3,744,873.11
AMOUNT DUE	\$0.00

FINAL PAYMENT