



**Roll Call Number**

**Agenda Item Number**

11A

DATE October 24, 2022

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR E. 30TH STREET BRIDGE REHABILITATION OVER U.P.R.R., 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 E. 30th Street Bridge Rehabilitation over U.P.R.R., 122016001, 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. 20-0115, of January 13, 2020, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted.

BE IT FURTHER RESOLVED: That \$8,283,903.16 is the total cost, of which \$8,253,903.16 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 \$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.

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

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

FORM APPROVED:

FUNDS AVAILABLE

s/Kathleen Vanderpool

Nickolas J. Schaul

Kathleen Vanderpool  
Deputy City Attorney

Nickolas J. Schaul  
Director of Finance

SLN  
PW

Funding Source: 2022-23 CIP, Page 24, E. 30th Street Bridge over Union Pacific RR, BR055, Being: \$1,000,000 Surface Transportation Block Grant Program Federal-aid Swap funds (80% of eligible construction costs, or \$1,000,000 max); \$1,000,000 City Bridge Federal-aid Swap funds (80% of eligible construction costs or \$1,000,000 max), \$3,675,358.66 of Gaming Funds, \$700,000 LOSST, \$108,544.50 CenturyLink, \$1,800,000 GO Bonds

BHM-SWAP-1945(828)--SA-77

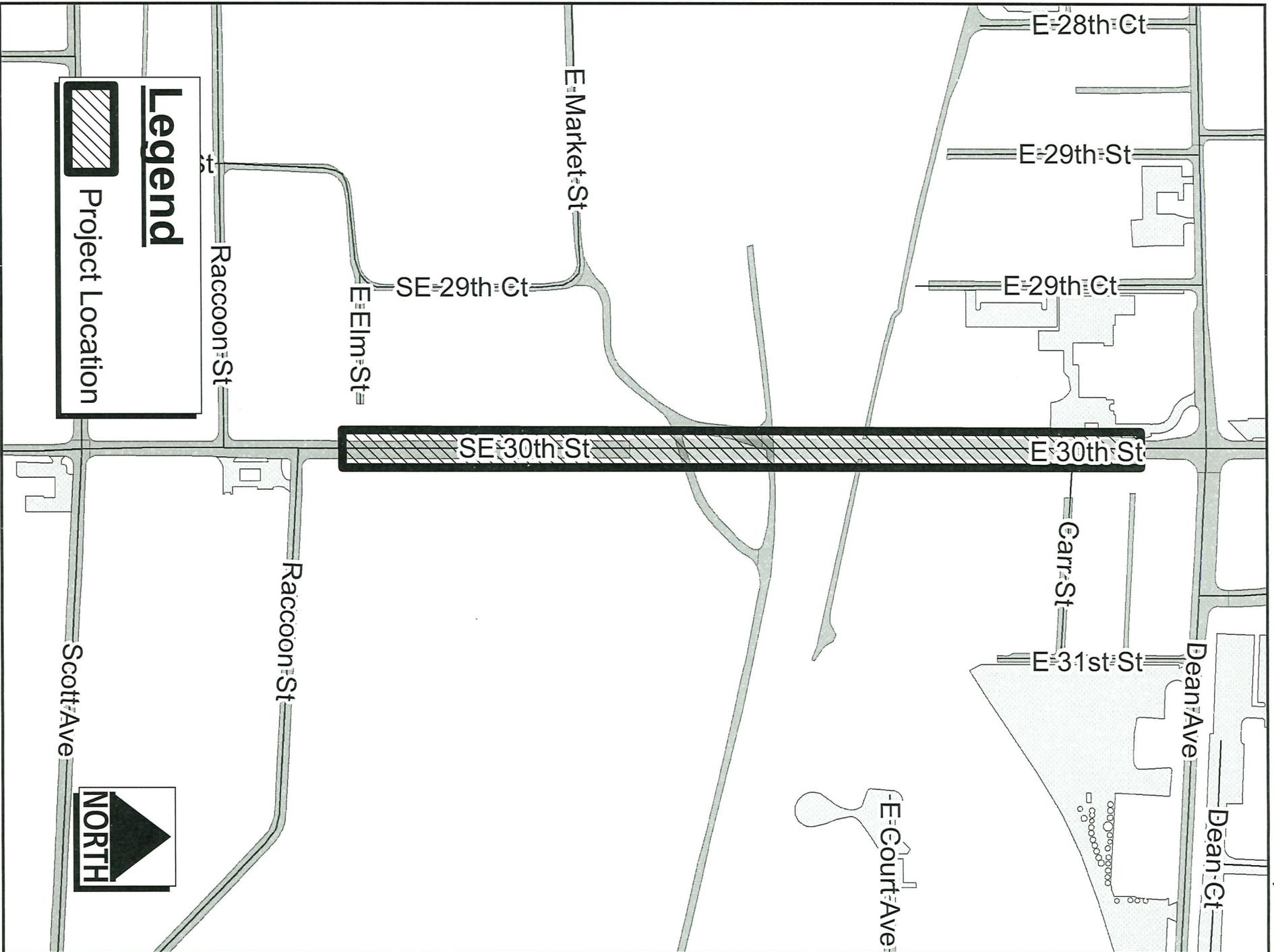
COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
GATTO				
MANDELBAUM				
SHEUMAKER				
VOSS				
WESTERGAARD				
TOTAL				
MOTION CARRIED		APPROVED		

I, Laura Baumgartner, City Clerk of said City Council, hereby certify that at a meeting of the City Council, 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

E. 30th Street Bridge Rehabilitation over U.P.R.R.

Activity ID 122016001

On January 13, 2020, under Roll Call No. 20-0115, the Council awarded the contract for the above improvements to Cramer and Associates, Inc. , in the amount of \$8,168,859.12. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	Engineering	3/22/2021 See IDOT Change Order No. 1 for modifications to existing contract quantities and new contract items added.	\$70,212.10
2	Engineering	7/29/2021 See Iowa DOT Change Order No. 2 for modifications to existing contract quantities and new contract items added.	\$28,996.90
3	Engineering	11/3/2021 See Iowa DOT Change Order No. 3 for modifications to existing contract quantities and new contract items added.	\$47,742.78
4	Engineering	6/22/2022 See IDOT Change Order #4 for details.	\$(32,752.10)
5	Engineering	8/23/2022 See IDOT Change Order #5 for adjustment to existing contract item.	\$844.36
<b>Original Contract Amount</b>			\$8,168,859.12
<b>Total Change Orders</b>			\$115,044.04
<b>Percent of Change Orders to Original Contract</b>			1.41%
<b>Total Contract Amount</b>			\$8,283,903.16

October 24, 2022

**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the E. 30th Street Bridge Rehabilitation over U.P.R.R., 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: \$8,283,903.16 As-Built Contract Cost

Funding Source: 2022-23 CIP, Page 24, E. 30th Street Bridge over Union Pacific RR, BR055, Being: \$1,000,000 Surface Transportation Block Grant Program Federal-aid Swap funds (80% of eligible construction costs, or \$1,000,000 max); \$1,000,000 City Bridge Federal-aid Swap funds (80% of eligible construction costs or \$1,000,000 max), \$3,675,358.66 of Gaming Funds, \$700,000 LOSST, \$108,544.50 CenturyLink, \$1,800,000 GO Bonds

**CERTIFICATION OF COMPLETION:**

On January 13, 2020, under Roll Call No. 20-0115, 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:

E. 30th Street Bridge Rehabilitation over U.P.R.R., 122016001

The improvement includes the structural rehabilitation of the viaduct, consisting of the following: complete removal and replacement of the concrete bridge deck, replacement of all concrete barrier rails and sidewalk fencing, new bridge joints, structural modifications to bridge abutments, replacement of bridge bearings, rehabilitation of bridge piers, new drainage system, full blast cleaning and repainting of bridge beams, removal and replacement of approach pavement and sidewalks, new guardrail, repairs to retaining walls, traffic control, pavement markings, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 597-116/223, located on E. 30th Street between Dean Avenue and Raccoon Street in Des Moines, Iowa

I hereby certify that the construction of said E. 30th Street Bridge Rehabilitation over U.P.R.R., Activity ID 122016001, 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 July 20, 2020, and was completed on August 31, 2022.

I further certify that \$8,283,903.16 is the total cost of said improvement, of which \$8,253,903.16 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 \$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.



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

ENGINEERING DEPARTMENT  
CITY OF DES MOINES, IOWA



ESTIMATE OF CONSTRUCTION COMPLETED  
FOR WORK DONE FROM 8/30/22 TO 8/31/22  
PARTIAL PAYMENT NO. 20 - FINAL

IDOT #: STBG-SWAP-1945(833)-SG-77  
ACTIVITY ID: 12-2016-001  
DATE: 10/3/2022

PROJECT: E 30TH STREET BRIDGE REHABILITATION OVER UPRR  
CONTRACTOR: Cramer and Associates, Inc.

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
1	CLEARING AND GRUBBING	ACRE	0.10	0.37	0.37	0.00	\$ 20,500.00	\$7,585.00
2	SPECIAL BACKFILL	CY	796.60	796.60	796.60	0.00	\$ 60.00	\$47,796.00
3	EXCAVATION, CLASS 10, WASTE	CY	50.00	50.00	50.00	0.00	\$ 42.00	\$2,100.00
4	EXCAVATION, CLASS 13, WASTE	CY	650.00	650.00	650.00	0.00	\$ 18.00	\$11,700.00
5	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	25.00	25.00	25.00	0.00	\$ 97.00	\$2,425.00
6	COMPACTION WITH MOISTURE AND DENSITY CONTROL	CY	1,300.00	402.83	402.83	0.00	\$ 12.00	\$4,833.96
7	REINFORCED PAVED SHOULDER FOR CONCRETE BARRIER	SY	938.80	938.80	938.80	0.00	\$ 110.00	\$103,268.00
8	PAVEMENT SCARIFICATION	SY	100.00	0.00	0.00	0.00	\$ 52.00	\$0.00
9	BRIDGE APPROACH, BR-203	SY	620.00	620.00	620.00	0.00	\$ 240.00	\$148,800.00
10	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY,	SY	1,866.10	1,894.40	1,894.40	0.00	\$ 65.50	\$124,083.20
11	HOT MIX ASPHALT MIXTURE, WEDGE, LEVELING OR STRENGTHENING COU	SY	100.00	0.00	0.00	0.00	\$ 102.00	\$0.00
12	REMOVALS, AS PER PLAN	LS	1.00	1.00	1.00	0.00	\$ 1,730,000.00	\$1,730,000.00
13	EXCAVATION, CLASS 20	CY	16.00	16.00	16.00	0.00	\$ 80.00	\$1,280.00
14	STRUCTURAL CONCRETE (MISC)	CY	19.10	22.30	22.30	0.00	\$ 6,800.00	\$151,640.00
15	STRUCTURAL CONCRETE (BRIDGE)	CY	1,205.70	1,205.70	1,205.70	0.00	\$ 1,000.00	\$1,205,700.00
16	REINFORCING STEEL, EPOXY COATED	LB	382,891.00	382,498.00	382,498.00	0.00	\$ 1.10	\$420,747.80
17	REINFORCING STEEL, STAINLESS STEEL	LB	10,644.00	10,644.00	10,644.00	0.00	\$ 2.70	\$28,738.80
18	STRUCTURAL STEEL	LB	18,116.00	18,116.00	18,116.00	0.00	\$ 12.00	\$217,392.00
19	LONGITUDINAL GROOVING IN CONCRETE	SY	5,729.90	5,729.90	5,729.90	0.00	\$ 2.00	\$11,459.80
20	STEEL EXTRUSION JOINT WITH NEOPRENE	LF	103.00	103.00	103.00	0.00	\$ 260.00	\$26,780.00
21	NEOPRENE GLAND INSTALLATION AND TESTING	LF	103.00	103.00	103.00	0.00	\$ 60.00	\$6,180.00
22	CONCRETE BARRIER RAILING	LF	1,047.70	1,047.70	1,047.70	0.00	\$ 95.00	\$99,531.50
23	CONCRETE BARRIER, REINFORCED, SEPARATION	LF	1,323.70	1,323.70	1,323.70	0.00	\$ 43.08	\$57,025.00
24	STEEL PIPE PEDESTRIAN HAND RAILING	LF	2,395.00	2,395.00	2,395.00	0.00	\$ 61.62	\$147,579.90
25	APRONS, CONCRETE, 30 IN. DIA.	EACH	1.00	1.00	1.00	0.00	\$ 3,200.00	\$3,200.00
26	CONCRETE REPAIR	SF	137.00	220.20	220.20	0.00	\$ 235.00	\$51,747.00
27	MANHOLE, STORM SEWER, SW-401, 48 IN.	EACH	1.00	3.00	3.00	0.00	\$ 4,200.00	\$12,600.00
28	MANHOLE, STORM SEWER, SW-401, 60 IN.	EACH	2.00	2.00	2.00	0.00	\$ 6,100.00	\$12,200.00
29	INTAKE, SW-501	EACH	2.00	2.00	2.00	0.00	\$ 6,300.00	\$12,600.00
30	BARRIER INTAKE, SW-549 MODIFIED	EACH	2.00	2.00	2.00	0.00	\$ 16,000.00	\$32,000.00
31	MANHOLE ADJUSTMENT, MINOR	EACH	1.00	0.00	0.00	0.00	\$ 2,500.00	\$0.00
32	DECK DRAINS	LS	1.00	1.00	1.00	0.00	\$ 40,000.00	\$40,000.00
33	BRIDGE DRAINAGE SYSTEM	LS	1.00	1.00	1.00	0.00	\$ 160,000.00	\$160,000.00
34	TEMPORARY SUPPORTS	LS	1.00	0.00	0.00	0.00	\$ 42,000.00	\$0.00
35	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 15 IN.	LF	859.00	515.00	515.00	0.00	\$ 112.00	\$57,680.00
36	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 18 IN.	LF	58.00	30.00	30.00	0.00	\$ 117.00	\$3,510.00
37	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 30 IN.	LF	145.00	145.00	145.00	0.00	\$ 155.00	\$22,475.00
38	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	226.00	214.00	214.00	0.00	\$ 36.00	\$7,704.00
39	REMOVAL OF STEEL BEAM GUARDRAIL	LF	1,528.00	1,528.00	1,528.00	0.00	\$ 10.00	\$15,280.00
40	STEEL BEAM GUARDRAIL	LF	100.00	50.00	50.00	0.00	\$ 31.00	\$1,550.00

11A

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
<b>Change Order Items</b>								
CO#1	approved							
8001.00	ADDITIONAL SIGNAGE	LS	0.00	1.00	1.00	0.00	\$ 1,210.00	
8002.00	DIAPHRAGM SPLICE PLATES	LS	0.00	1.00	1.00	0.00	\$ 6,735.00	
8003.00	ADDITIONAL SHEAR STUDS	LS	0.00	1,850.00	1,850.00	0.00	\$ 9.90	
8004.00	VAULT REMOVAL	LS	0.00	1.00	1.00	0.00	\$ 480.00	
8005.00	HEATING OF STRUCTURAL CONCRETE	CF	0.00	1,051.50	1,051.50	0.00	\$ 5,257.50	
8006.00	PROTECTION OF STRUCTURAL CONCRETE	CF	0.00	241.10	241.10	0.00	\$ 1,687.70	
8007.00	ELECTRICAL MODIFICATION	LS	0.00	1.00	1.00	0.00	\$ 4,054.60	
<b>CO#2 approved</b>								
8008.00	REINFORCED APPROACH WALK, MATERIAL DEDUCTION	CY	0.00	-27.60	-27.60	0.00	\$ 113.50	
8009.00	TUNNEL ABANDONMENT	LS	0.00	1.00	1.00	0.00	\$ 46,669.75	
8010.00	CONSTRUCTION SURVEY, ADDITIONAL	LS	0.00	1.00	1.00	0.00	\$ 990.00	
8011.00	STORM SEWER GRAVITY MAIN, TRENCHED, PVC, 12 IN.	LF	0.00	152.00	152.00	0.00	\$ 7.60	
8012.00	STORM SEWER FIELD MODIFICATIONS	LS	0.00	1.00	1.00	0.00	\$ 11,518.10	
8013.00	PAVING NOTCH REPLACEMENT	LS	0.00	1.00	1.00	0.00	\$ 6,181.25	
<b>CO#3 approved</b>								
8014.00	CURB REPLACEMENT	LS	0.00	1.00	1.00	0.00	\$ 1,683.94	
8015.00	SIDEWALK AND CURB, NEW	LS	0.00	1.00	1.00	0.00	\$ 20,092.54	
8016.00	STORM SEWER, ADDITIONAL WORK	LS	0.00	1.00	1.00	0.00	\$ 5,533.00	
8017.00	BRIDGE SLOPE GRADING	LS	0.00	1.00	1.00	0.00	\$ 7,441.50	
8018.00	POTHOLING	LS	0.00	1.00	1.00	0.00	\$ 1,270.50	
8019.00	HMA PATCHING	LS	0.00	1.00	1.00	0.00	\$ 3,400.00	
8020.00	TEMPORARY BARRIER RAIL, PERMANENT	LS	0.00	1.00	1.00	0.00	\$ 3,455.00	
8021.00	GEOGRID	LS	0.00	1.00	1.00	0.00	\$ 3,575.00	
8022.00	TRAFFIC DETECTION	LS	0.00	1.00	1.00	0.00	\$ 10,871.30	
8023.00	FENCE REPAIR	LS	0.00	1.00	1.00	0.00	\$ 620.00	
<b>CO#4</b>								
8024.00	TRAFFIC CONTROL, ADDITIONAL	LS	0.00	1.00	1.00	0.00	\$ 5,500.00	
8025.00	LIQUIDATED DAMAGES, MODIFIED	CDAY	0.00	29.00	29.00	0.00	\$ (500.00)	
<b>TOTAL CHANGE ORDERS</b>			\$ 8,168,859.12					
<b>ORIGINAL CONTRACT AMOUNT PLUS CHANGE ORDERS</b>			\$ 115,044.04					
<b>THIS PARTIAL PAYMENT</b>			\$ 8,253,903.16					
<b>PARTIAL PAYMENT No. 1</b>			\$ 80,510.00					
<b>PARTIAL PAYMENT No. 2</b>			\$ 61,134.25					
<b>PARTIAL PAYMENT No. 3</b>			\$ 142,105.00					
<b>PARTIAL PAYMENT No. 4</b>			\$ 1,282,817.65					
<b>PARTIAL PAYMENT No. 5</b>			\$ 1,208,364.69					
<b>PARTIAL PAYMENT No. 6</b>			\$ 801,982.55					
<b>PARTIAL PAYMENT No. 7</b>			\$ 226,835.78					
<b>PARTIAL PAYMENT No. 8</b>			\$ 848,735.48					
<b>PARTIAL PAYMENT No. 9</b>			\$ 838,922.50					
<b>PARTIAL PAYMENT No. 10</b>			\$ 639,280.20					
<b>PARTIAL PAYMENT No. 11</b>			\$ 698,786.90					
<b>PARTIAL PAYMENT No. 12</b>			\$ 935,595.29					
<b>PARTIAL PAYMENT No. 13</b>			\$ 136,010.31					
<b>PARTIAL PAYMENT No. 14</b>			\$ 70,887.31					
<b>PARTIAL PAYMENT No. 15</b>			\$ 207,066.05					
<b>PARTIAL PAYMENT No. 16</b>			\$ 33,115.84					
<b>PARTIAL PAYMENT No. 17</b>			\$ 2,909.00					
<b>PARTIAL PAYMENT No. 18</b>			\$ 48,000.00					
<b>PARTIAL PAYMENT No. 19</b>			\$ 844.36					
<b>TOTAL PARTIAL PAYMENTS</b>			\$ 8,253,903.16					
<b>BALANCE</b>			\$ 30,000.00					
<b>APPROXIMATE PERCENT COMPLETE</b>			100.0%					
<b>TOTAL</b>			\$ 8,253,903.16					
<b>RETAINAGE (3% \$30,000 max)</b>			\$ 30,000.00					
<b>TOTAL LESS RETAINAGE</b>			\$ 8,253,903.16					
<b>LESS PREVIOUS PAYMENT</b>			\$ 8,253,903.16					
<b>AMOUNT DUE</b>			\$ -					

PREPARED BY: Rob Adams  
Project Inspector

CHECKED BY: [Signature]  
Project Engineer

10/9/2022

PARTIAL PAYMENT NO. 20 - FINAL