



Roll Call Number

Agenda Item Number

10

DATE March 22, 2021

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR GRAND AVENUE BRIDGE OVER THE DES MOINES RIVER REPLACEMENT, 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 Grand Avenue Bridge over the Des Moines River Replacement, 122013001, 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. 16-1165, of July 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 \$9,335,018.43 is the total cost, of which \$9,305,018.43 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.

FORM APPROVED:

FUNDS AVAILABLE

sl Kathleen Vanderpool

Nickolas J. Schaul BB

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

SLN

Funding Source: 2021-2022 CIP, Page Bridge, Grand Avenue Bridge over the Des Moines River, BR047, Being: \$2,129,000 in Federal Highway Bridge Program funds (\$2,129,000 maximum) being 80% of eligible construction costs under STP-U-1945(813)--70-77; \$194,419.22 from various Utility Companies for conduit installations; and the remaining \$7,011,599.21 in TIF Bonds

STP-U-1945(813)--70-77



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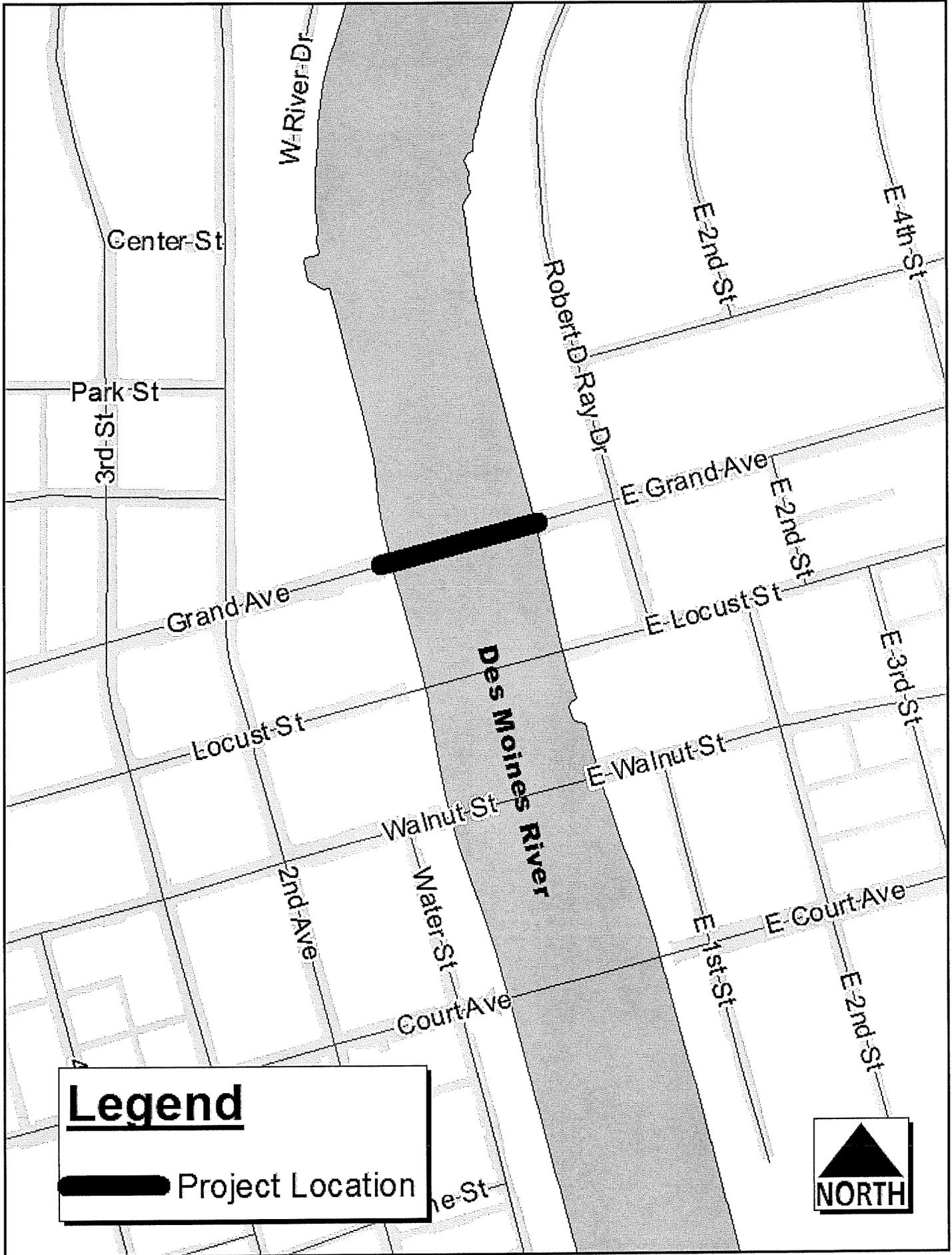
COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
WESTERGAARD				
GRAY				
BOESEN				
VOSS				
MANDELBAUM				
GATTO				
TOTAL				
MOTION CARRIED			APPROVED	

I, P. Kay Cmelik, 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



Legend

 Project Location





PROJECT SUMMARY

Grand Avenue Bridge over the Des Moines River Replacement Activity ID 122013001

On July 11, 2016, under Roll Call No. 16-1165, the Council awarded the contract for the above improvements to Cramer and Associates, Inc. , in the amount of \$9,060,752.68. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	Engineering	4/3/2017 Additional traffic control signs, minor relocation of fence, constructing temporary causeway bridge, and material cost for corrugated metal pipe not being incorporated and provided to City.	\$17,787.42
2	Engineering	6/12/2017 Abutment configuration was changed to semi-integral abutment which required new abutment bearing assemblies to be fabricated and installed at each beam bearing. Additional revisions are being made to accommodate a future gas main to be installed on the bridge.	\$38,788.40
3	Engineering	9/25/2017 Increase contract quantities for additional high performance structural concrete and additional steel piling. Add pile splicing at Pier #2.	\$21,220.00
4	Engineering	1/22/2018 Update quantities. Provide new layout for pavement markings to match E. Grand, provide payment for cold weather protection of concrete, add sidewalk reinforcing dowels, pavement sawcutting, corrective profiling on approach pavement, and adjust rail post light installation detail to accommodate cable railing.	\$80,503.65
5	Engineering	6/14/2018 Updates utility conduits and handholes to final quantities. Adds heating and protection of structural concrete, adds new panel birdscreen attachment and corrects the aesthetic lighting controls.	\$24,441.37
6		11/30/2018 Add brick paver adjustment, handhole adjustment, and re-application of select pavement markings.	\$42,077.96
7	Engineering	2/18/2019 Add a concrete bridge deck sealer, remove granular bearing material in footing and place a concrete bearing mat. Establish a revised contract completion date.	\$21,485.00
8	Engineering	11/27/2019	\$36,019.14

Adjusts several items to as-constructed quantities. Trail material switched from HMA to PCC and PCC driveway added along with colored/stamped concrete adjacent to trail under the bridge.

9 Engineering 7/14/2009 \$(8,057.19)

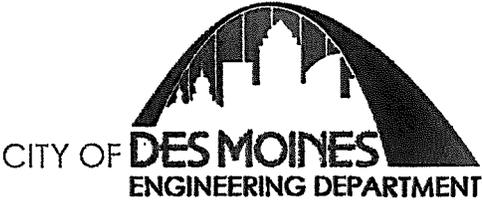
Adjust authorized quantities to final project quantities. Assesses liquidated damages and resolves a material deficiency for the bridge plaques.

Original Contract Amount \$9,060,752.68

Total Change Orders \$274,265.75

Percent of Change Orders to Original Contract 3.03%

Total Contract Amount \$9,335,018.43



March 22, 2021

CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Grand Avenue Bridge over the Des Moines River Replacement, 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: \$9,335,018.43 As-Built Contract Cost

Funding Source: 2021-2022 CIP, Page Bridge, Grand Avenue Bridge over the Des Moines River, BR047, Being: \$2,129,000 in Federal Highway Bridge Program funds (\$2,129,000 maximum) being 80% of eligible construction costs under STP-U-1945(813)—70-77; \$194,419.22 from various Utility Companies for conduit installations; and the remaining \$7,011,599.21 in TIF Bonds

CERTIFICATION OF COMPLETION:

On July 11, 2016, under Roll Call No. 16-1165, 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:

Grand Avenue Bridge over the Des Moines River Replacement, 122013001

The improvement includes removal of the existing bridge and substructure, construction of a new pretensioned prestressed concrete beam bridge on concrete pier and steel pile foundations, pedestrian rail and aesthetic metal panel facade, aesthetic LED lighting, pavement removal, new bridge approach pavement, sidewalk removal and replacement, erosion control, seeding and sodding, traffic control, pavement markings, and mobilization; all work in accordance with the contract documents including Plan File Nos. 571-203/321, on Grand Avenue over Des Moines River located between 2nd Avenue and Robert D. Ray Drive in Des Moines, Iowa

I hereby certify that the construction of said Grand Avenue Bridge over the Des Moines River Replacement, Activity ID 122013001, 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 1, 2016, and was completed on March 10, 2021.

I further certify that \$9,335,018.43 is the total cost of said improvement, of which \$9,305,018.43 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 7/1/20 to 3/4/20
PARTIAL PAYMENT NO. 35 - FINAL



Proj No: STP-U-1945(813)--70-77
Activity ID: 12-2013-001
Date: 2/10/2021

PROJECT: GRAND AVENUE BRIDGE OVER DES MOINES RIVER REPLACEMENT
CONTRACTOR: CRAMER AND ASSOCIATES, INC.

LINE NO.	DESCRIPTION	UNIT	UNITS				CONSTRUCTED Division II	UNIT PRICE	TOTAL AMOUNT Division I	TOTAL AMOUNT Division II	TOTAL AMOUNT
			CONTRACT	AUTHORIZED Division I	AUTHORIZED Division II	CONSTRUCTED Division I					
1	REMOVAL OF EXISTING BRIDGE	LS	1.00	1.00	0.00	1.00	0.00	\$ 735,000.00	\$ 735,000.00	\$ -	\$ 735,000.00
2	REMOVALS, AS PER PLAN	LS	1.00	1.00	0.00	1.00	0.00	\$ 30,000.00	\$ 30,000.00	\$ -	\$ 30,000.00
3	EXCAVATION, CLASS 20	CY	314.00	312.00	0.00	312.00	0.00	\$ 20.00	\$ 6,240.00	\$ -	\$ 6,240.00
4	EXCAVATION, CLASS 21	CY	1,525.00	1,525.00	0.00	1,525.00	0.00	\$ 325.00	\$ 495,625.00	\$ -	\$ 495,625.00
5	EXCAVATION, CLASS 22	CY	170.00	206.00	0.00	206.00	0.00	\$ 55.00	\$ 11,330.00	\$ -	\$ 11,330.00
6	STRUCTURAL CONCRETE (BRIDGE)	CY	2,178.30	2,250.90	0.00	2,250.90	0.00	\$ 550.00	\$ 1,237,995.00	\$ -	\$ 1,237,995.00
7	HIGH PERFORMANCE STRUCTURAL CONCRETE	CY	1,563.50	1,549.50	0.00	1,549.50	0.00	\$ 700.00	\$ 1,084,650.00	\$ -	\$ 1,084,650.00
8	REINFORCING STEEL	LB	227,189.00	229,186.00	0.00	229,186.00	0.00	\$ 1.25	\$ 286,482.50	\$ -	\$ 286,482.50
9	REINFORCING STEEL, EPOXY COATED	LB	485,439.00	512,387.00	0.00	512,387.00	0.00	\$ 0.82	\$ 420,157.34	\$ -	\$ 420,157.34
10	BEAMS, PRETENSIONED PRESTRESSED CONCRETE, BTC100	EACH	24.00	24.00	0.00	24.00	0.00	\$ 19,000.00	\$ 456,000.00	\$ -	\$ 456,000.00
11	BEAMS, PRETENSIONED PRESTRESSED CONCRETE, BTC120	EACH	24.00	24.00	0.00	24.00	0.00	\$ 22,500.00	\$ 540,000.00	\$ -	\$ 540,000.00
12	STRUCTURAL STEEL	LB	51,285.00	51,285.00	0.00	51,285.00	0.00	\$ 3.50	\$ 179,497.50	\$ -	\$ 179,497.50
13	ORNAMENTAL METAL RAILING	LF	898.00	898.00	0.00	898.00	0.00	\$ 170.00	\$ 152,660.00	\$ -	\$ 152,660.00
14	DECK DRAINS	LS	1.00	1.00	0.00	1.00	0.00	\$ 21,000.00	\$ 21,000.00	\$ -	\$ 21,000.00
15	PILES, STEEL, HP 12X84	LF	6,320.00	6,370.00	0.00	6,370.00	0.00	\$ 55.00	\$ 350,350.00	\$ -	\$ 350,350.00
16	MOBILIZATION	LS	1.00	1.00	0.00	1.00	0.00	\$ 900,000.00	\$ 900,000.00	\$ -	\$ 900,000.00
17	REMOVAL OF ASBESTOS	LS	1.00	1.00	0.00	0.00	1.00	\$ 30,000.00	\$ -	\$ 30,000.00	\$ 30,000.00
18	BRIDGE PLAQUE	EACH	4.00	4.00	0.00	4.00	0.00	\$ 1,000.00	\$ 4,000.00	\$ -	\$ 4,000.00
19	CONCRETE CORING AT ABUTMENT PILES	LF	480.00	480.00	0.00	480.00	0.00	\$ 650.00	\$ 312,000.00	\$ -	\$ 312,000.00
19.5	STEEL SIDEWALK EXPANSION JOINT COVER	LF	58.50	58.50	0.00	58.50	0.00	\$ 185.00	\$ 10,822.50	\$ -	\$ 10,822.50
20	AESTHETIC LIGHTING	LS	1.00	1.00	0.00	1.00	0.00	\$ 525,000.00	\$ 525,000.00	\$ -	\$ 525,000.00
21	AESTHETIC PANELS	LS	1.00	1.00	0.00	1.00	0.00	\$ 650,000.00	\$ 650,000.00	\$ -	\$ 650,000.00
22	BRIDGE APPROACH PAVEMENT, AS PER PLAN	SY	986.00	1,161.30	0.00	1,161.30	0.00	\$ 205.00	\$ 238,066.50	\$ -	\$ 238,066.50
23	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	30.00	20.00	0.00	20.00	0.00	\$ 50.00	\$ 1,000.00	\$ -	\$ 1,000.00
24	REMOVALS, AS PER PLAN	LS	1.00	1.00	0.00	1.00	0.00	\$ 6,000.00	\$ 6,000.00	\$ -	\$ 6,000.00
25	LONGITUDINAL GROOVING IN CONCRETE	SY	3,326.00	3,326.00	0.00	3,326.00	0.00	\$ 3.00	\$ 9,978.00	\$ -	\$ 9,978.00
26	FLOWABLE MORTAR	CY	260.00	170.00	0.00	170.00	0.00	\$ 120.00	\$ 20,400.00	\$ -	\$ 20,400.00
27	REMOVAL OF PAVEMENT	SY	1,007.00	1,146.80	0.00	1,146.80	0.00	\$ 15.00	\$ 17,202.00	\$ -	\$ 17,202.00
28	REMOVAL OF RECREATIONAL TRAIL	SY	179.00	344.10	0.00	344.10	0.00	\$ 13.00	\$ 4,473.30	\$ -	\$ 4,473.30
29	RECREATIONAL TRAIL, HOT MIX ASPHALT, 6 IN.	SY	179.00	0.00	0.00	0.00	0.00	\$ 100.00	\$ -	\$ -	\$ -
30	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	STA	1.60	0.63	0.00	0.63	0.00	\$ 2,500.00	\$ 1,575.00	\$ -	\$ 1,575.00
31	REMOVAL OF SIDEWALK	SY	433.00	433.00	0.00	433.00	0.00	\$ 10.00	\$ 4,330.00	\$ -	\$ 4,330.00
32	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	251.00	255.80	0.00	255.80	0.00	\$ 103.00	\$ 26,347.40	\$ -	\$ 26,347.40
33	REMOVAL OF PAVED DRIVEWAY	SY	40.00	40.00	0.00	40.00	0.00	\$ 20.00	\$ 800.00	\$ -	\$ 800.00
34	SAFETY CLOSURE	EACH	5.00	2.00	0.00	2.00	0.00	\$ 200.00	\$ 400.00	\$ -	\$ 400.00
35	FENCE, TEMPORARY	LF	594.00	1,065.00	0.00	1,065.00	0.00	\$ 8.50	\$ 9,052.50	\$ -	\$ 9,052.50
36	REMOVAL OF FENCE, TEMPORARY	LF	594.00	1,065.00	0.00	1,065.00	0.00	\$ 5.00	\$ 5,325.00	\$ -	\$ 5,325.00
37	HANDHOLES AND JUNCTION BOXES	EACH	5.00	3.00	0.00	3.00	0.00	\$ 2,900.00	\$ 8,700.00	\$ -	\$ 8,700.00
38	REMOVE AND REINSTALL LIGHT POLE AND LUMINAIRE	EACH	3.00	5.00	0.00	5.00	0.00	\$ 1,600.00	\$ 8,000.00	\$ -	\$ 8,000.00
39	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	1.00	1.00	0.00	1.00	0.00	\$ 4,000.00	\$ 4,000.00	\$ -	\$ 4,000.00
40	PAINTED PAVEMENT MARKINGS, DURABLE	STA	79.50	0.00	0.00	0.00	0.00	\$ 85.00	\$ -	\$ -	\$ -
41	PAINTED SYMBOLS AND LEGENDS, DURABLE	EACH	8.00	0.00	0.00	0.00	0.00	\$ 130.00	\$ -	\$ -	\$ -
42	PAVEMENT MARKINGS REMOVED	STA	60.50	45.48	0.00	45.48	0.00	\$ 45.00	\$ 2,046.60	\$ -	\$ 2,046.60
43	SYMBOLS AND LEGENDS REMOVED	EACH	8.00	4.00	0.00	4.00	0.00	\$ 90.00	\$ 360.00	\$ -	\$ 360.00
44	GROOVES CUT FOR PAVEMENT MARKINGS	STA	79.50	0.00	0.00	0.00	0.00	\$ 52.00	\$ -	\$ -	\$ -
45	GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	8.00	0.00	0.00	0.00	0.00	\$ 95.00	\$ -	\$ -	\$ -
46	TRAFFIC CONTROL	LS	1.00	1.00	0.00	1.00	0.00	\$ 25,000.00	\$ 25,000.00	\$ -	\$ 25,000.00
47	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDA	160.00	96.00	0.00	96.00	0.00	\$ 60.00	\$ 5,760.00	\$ -	\$ 5,760.00

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LINE NO.	DESCRIPTION	UNIT	UNITS				UNIT PRICE	TOTAL AMOUNT Division I	TOTAL AMOUNT Division II	TOTAL AMOUNT
			CONTRACT	AUTHORIZED Division I	AUTHORIZED Division II	CONSTRUCTED Division I				
48	ADJUSTMENT OF FIXTURES	EACH	1.00	1.00	0.00	1.00	0.00	\$ 1,100.00	\$ -	\$ 1,100.00
49	EMERGENCY REMOVAL / REPLACEMENT OF CONSTRUCTION ACCESS	EACH	1.00	0.00	0.00	0.00	0.00	\$ 52,500.00	\$ -	\$ -
50	INLET PROTECTION DEVICE, DROP-IN	EACH	2.00	2.00	0.00	2.00	0.00	\$ 150.00	\$ 300.00	\$ 300.00
51	INLET PROTECTION DEVICE, MAINTENANCE	EACH	24.00	2.00	0.00	2.00	0.00	\$ 20.00	\$ 40.00	\$ 40.00
52	INLET PROTECTION DEVICE, OPEN THROAT	EACH	1.00	1.00	0.00	1.00	0.00	\$ 75.00	\$ 75.00	\$ 75.00
53	2 IN. FIBERGLASS CONDUIT	LF	529.00	0.00	588.60	0.00	588.60	\$ 24.70	\$ -	\$ 14,538.42
54	2 IN. RIGID STEEL CONDUIT	LF	4,555.00	113.00	4,269.80	2,216.80	2,166.00	\$ 12.75	\$ 28,264.20	\$ 55,880.70
55	2 IN. SCH 40 PVC CONDUIT	LF	1,647.00	0.00	2,001.40	0.00	2,001.40	\$ 4.90	\$ -	\$ 9,806.86
56	5 IN. FIBERGLASS CONDUIT	LF	3,174.00	0.00	3,009.60	0.00	3,009.60	\$ 29.40	\$ -	\$ 88,482.24
57	5 IN. RIGID STEEL CONDUIT	LF	95.00	0.00	70.00	0.00	70.00	\$ 68.20	\$ -	\$ 4,774.00
58	REMOVE AND REINSTALL HAWK SIGNAL	LS	1.00	1.00	0.00	1.00	0.00	\$ 9,000.00	\$ 9,000.00	\$ 9,000.00
59	COLORED PCC, 8 IN.	SY	98.00	168.90	0.00	168.90	0.00	\$ 150.00	\$ 25,335.00	\$ 25,335.00
60	MULCHING, BONDED FIBER MATRIX	ACRE	0.50	0.10	0.00	0.10	0.00	\$ 3,000.00	\$ 300.00	\$ 300.00
61	SODDING	SQ	90.00	125.30	0.00	125.30	0.00	\$ 45.00	\$ 5,638.50	\$ 5,638.50
62	STABILIZING CROP - SEEDING AND FERTILIZING	ACRE	0.50	0.00	0.00	0.00	0.00	\$ 1,200.00	\$ -	\$ -
63	WATERING FOR SOD, SPECIAL DITCH CONTROL OR SLOPE PROTECTION	MGAL	10.00	5.80	0.00	5.80	0.00	\$ 60.00	\$ 348.00	\$ 348.00
64	MOBILIZATION FOR WATERING	EACH	10.00	2.00	0.00	2.00	0.00	\$ 350.00	\$ 700.00	\$ 700.00
65	SILT FENCE	LF	884.00	0.00	0.00	0.00	0.00	\$ 1.50	\$ -	\$ -
66	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	884.00	0.00	0.00	0.00	0.00	\$ 0.50	\$ -	\$ -
67	PERIMTER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	1,000.00	451.00	0.00	451.00	0.00	\$ 1.50	\$ 676.50	\$ 676.50
68	REMOVAL OF PERIMTER AND SLOPE SEDIMENT CONTROL DEVICE	LF	1,000.00	451.00	0.00	451.00	0.00	\$ 0.50	\$ 225.50	\$ 225.50
69	MOBILIZATIONS, EROSION CONTROL	EACH	10.00	4.00	0.00	4.00	0.00	\$ 500.00	\$ 2,000.00	\$ 2,000.00
70	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	1.00	0.00	0.00	0.00	0.00	\$ 1,000.00	\$ -	\$ -
								Sub-Totals:	\$ 8,881,628.84	\$ 175,218.02
								Division I		Division II
CO No. 1										
8001	TRAFFIC CONTROL SIGNS	LS	1.000	1.000	0.000	1.000	0.000	\$ 1,725.62	\$ 1,725.62	\$ -
8002	CHAIN-LINK FENCE, REMOVE & REINSTALL	LS	1.000	1.000	0.000	1.000	0.000	\$ 440.00	\$ 440.00	\$ 440.00
8003	CORRUGATED METAL PIPE SLEEVES	LS	1.000	0.000	1.000	0.000	1.000	\$ 3,621.80	\$ -	\$ 3,621.80
8004	TEMPORARY CAUSEWAY BRIDGE	LS	1.000	1.000	0.000	1.000	0.000	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00
CO No. 2										
8005	ABUTMENT MASONRY PLATE/ANCHOR ASSEMBLIES	LS	1.000	1.000	0.000	1.000	0.000	\$ 26,558.40	\$ 26,558.40	\$ -
8006	CASING SLEEVES AND DECK HANGAR INSERTS	LS	1.000	0.000	1.000	0.000	1.000	\$ 12,230.00	\$ -	\$ 12,230.00
CO No. 3										
8007	PILE SPLICING	EACH	15.000	15.000	0.000	15.000	0.000	\$ 550.00	\$ 8,250.00	\$ -
CO No. 4										
8008	PCC COLD WEATHER PROTECTION	SY	566.000	566.000	0.000	566.000	0.000	\$ 1.00	\$ 566.00	\$ -
8009	HEATING, PCC PAVING	CY	64.000	64.000	0.000	64.000	0.000	\$ 5.00	\$ 320.00	\$ -
8010	SIDEWALK TRANSVERSE DOWEL BARS	LS	1.000	1.000	0.000	1.000	0.000	\$ 3,300.00	\$ 3,300.00	\$ 3,300.00
8011	PAVEMENT SAWCUTTING	LF	150.000	110.000	0.000	110.000	0.000	\$ 21.00	\$ 2,310.00	\$ -
8012	CORRECTIVE PROFILING	LS	1.000	1.000	0.000	1.000	0.000	\$ 2,282.50	\$ 2,282.50	\$ -
8013	RAIL POST LIGHTING ADJUSTMENT	LS	1.000	1.000	0.000	1.000	0.000	\$ 14,668.50	\$ 14,668.50	\$ -
	Non-Participating (8014-8020)									
8014	ABUTMENT COVER PLATES-GAS MAIN	LS	1.000	0.000	1.000	0.000	1.000	\$ 1,759.20	\$ -	\$ 1,759.20
8015	PAINTED PVMT MARKINGS, WATERBORNE/SOLVENT	STA	133.650	0.000	133.650	0.000	133.650	\$ 143.00	\$ -	\$ 19,111.95
8016	PAINTED PVMT MARKINGS, GREEN, WATERBORNE	SF	320.000	0.000	947.000	0.000	947.000	\$ 12.10	\$ -	\$ 11,458.70
8017	PAINTED PAVEMENT SYMBOL, STANDARD	EACH	2.000	0.000	4.000	0.000	4.000	\$ 550.00	\$ -	\$ 2,200.00
8018	PAINTED PAVEMENT SYMBOL, SPECIAL	EACH	10.000	0.000	10.000	0.000	10.000	\$ 715.00	\$ -	\$ 7,150.00
8019	PAINTED PAVEMENT SYMBOL, PARKING TEE	EACH	70.000	0.000	70.000	0.000	70.000	\$ 71.50	\$ -	\$ 5,005.00
8020	VERTICAL DELINEATOR POST AND BASE, 3 FT.	EACH	130.000	0.000	97.000	0.000	97.000	\$ 55.00	\$ -	\$ 5,335.00

LINE NO.	DESCRIPTION	UNIT	UNITS				UNIT PRICE	TOTAL AMOUNT	TOTAL AMOUNT	TOTAL AMOUNT		
			CONTRACT	AUTHORIZED Division I	AUTHORIZED Division II	CONSTRUCTED Division I					CONSTRUCTED Division II	
CO No. 5												
8021	HEATING OF STRUCTURAL CONCRETE	CY	1,548.800	1,662.000	0.000	1662.000	0.000	\$ 5.00	\$ 8,310.00	\$ -	\$ 8,310.00	
8022	PROTECTION OF STRUCTURAL CONCRETE	CY	1,221.800	1,275.000	0.000	1275.000	0.000	\$ 7.00	\$ 8,925.00	\$ -	\$ 8,925.00	
8023	AESTHETIC LIGHT CONTROLS	LS	1.000	1.000	0.000	1.000	0.000	\$ 3,740.00	\$ 3,740.00	\$ -	\$ 3,740.00	
8024	HANDHOLE INSTALLATION	EACH	4.000	4.000	0.000	4.000	0.000	\$ 2,695.00	\$ 10,780.00	\$ -	\$ 10,780.00	
8025	BIRDSCREEN ATTACHMENT	LS	1.000	1.000	0.000	1.000	0.000	\$ 4,950.00	\$ 4,950.00	\$ -	\$ 4,950.00	
CO No. 6												
8026	HANDHOLE ADJUSTMENT-GRASS	LS	1.000	1.000	0.000	1.000	0.000	\$ 1,207.50	\$ 1,207.50	\$ -	\$ 1,207.50	
8027	BRICK PAVER ADJUSTMENT	LS	1.000	1.000	0.000	1.000	0.000	\$ 31,870.15	\$ 31,870.15	\$ -	\$ 31,870.15	
	Non- Participating (8028-8029)											
8028	PAVEMENT MARKINGS, TOUCH-UP	STA	71.060	0.000	71.060	0.000	71.060	\$ 93.50	\$ -	\$ 6,644.11	\$ 6,644.11	
8029	PAVEMENT SYMBOL, PARKING TEE TOUCH-UP	EACH	51.000	0.000	51.000	0.000	51.000	\$ 46.20	\$ -	\$ 2,356.20	\$ 2,356.20	
CO No. 7												
8030	CONCRETE SEALER (NP)	LS	1.000	0.000	1.000	0.000	1.000	\$ 18,440.00	\$ -	\$ 18,440.00	\$ 18,440.00	
8031	REMOVE GRANULAR MATERIAL (NP)	LS	1.000	0.000	1.000	0.000	1.000	\$ 1,265.00	\$ -	\$ 1,265.00	\$ 1,265.00	
8032	FLOODWALL FOOTING BEARING MAT	CY	10.000	0.000	10.000	10.000	0.000	\$ 178.00	\$ 1,780.00	\$ -	\$ 1,780.00	
CO No. 8												
8033	PCC DRIVEWAY	SY	145.300	145.300	0.000	145.300	0.000	\$ 113.30	\$ 16,462.49	\$ -	\$ 16,462.49	
8034	PCC TRAIL	SY	187.800	187.800	0.000	187.800	0.000	\$ 100.00	\$ 18,780.00	\$ -	\$ 18,780.00	
8035	PCC TRAIL, COLORED	SY	156.300	156.300	0.000	156.300	0.000	\$ 181.50	\$ 28,368.45	\$ -	\$ 28,368.45	
CO No. 9												
8036	LIQUIDATED DAMAGES	CDAY	10.000	10.000	0.000	10.000	0.000	\$ (2,500.00)	\$ (25,000.00)	\$ -	\$ (25,000.00)	
8037	MATERIAL DEFICIENCY - PLAQUES	LS	1.000	1.000	0.000	1.000	0.000	\$ (1,000.00)	\$ (1,000.00)	\$ -	\$ (1,000.00)	
								Division I	Division II			
								Change Order Sub-Totals (CO#1-CO#9)		\$ 181,594.61	\$ 96,576.96	
LIQUIDATED DAMAGES								No. of Days	LD Amount	Sub-Total		
Contract Completion Date, 07/01/2018, at \$2,500 per calendar day								10.000	\$ (2,500.00)	\$ (25,000.00)		
ORIGINAL CONTRACT AMOUNT			\$ 9,060,752.68									
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$ 9,335,018.43									
PARTIAL PAYMENT NO. 1			\$ 87,416.40		PARTIAL PAYMENT NO. 18			\$ 154,275.50				
PARTIAL PAYMENT NO. 2			\$ 82,775.92		PARTIAL PAYMENT NO. 19			\$ 287,615.67				
PARTIAL PAYMENT NO. 3			\$ 313,839.62		PARTIAL PAYMENT NO. 20			\$ 40,313.70				
PARTIAL PAYMENT NO. 4			\$ 230,627.68		PARTIAL PAYMENT NO. 21			\$ 179,350.00				
PARTIAL PAYMENT NO. 5			\$ 533,429.38		PARTIAL PAYMENT NO. 22			\$ 141,750.15				
PARTIAL PAYMENT NO. 6			\$ 817,668.50		PARTIAL PAYMENT NO. 23			\$ 169,245.00				
PARTIAL PAYMENT NO. 7			\$ 910,978.50		PARTIAL PAYMENT NO. 24			\$ 80,683.00				
PARTIAL PAYMENT NO. 8			\$ 1,230,194.50		PARTIAL PAYMENT NO. 25			\$ 42,006.61				
PARTIAL PAYMENT NO. 9			\$ 382,817.89		PARTIAL PAYMENT NO. 26			\$ 57,040.15				
PARTIAL PAYMENT NO. 10			\$ 72,593.92		PARTIAL PAYMENT NO. 27			\$ 42,461.50				
PARTIAL PAYMENT NO. 11			\$ 241,274.70		PARTIAL PAYMENT NO. 28			\$ 82,023.75				
PARTIAL PAYMENT NO. 12			\$ 431,325.06		PARTIAL PAYMENT NO. 29			\$ 12,955.64				
PARTIAL PAYMENT NO. 13			\$ 183,811.36		PARTIAL PAYMENT NO. 30			\$ 39,765.90				
PARTIAL PAYMENT NO. 14			\$ 551,790.72		PARTIAL PAYMENT NO. 31			\$ 13,672.50				
PARTIAL PAYMENT NO. 15			\$ 768,894.12		PARTIAL PAYMENT NO. 32			\$ 11,780.00				
PARTIAL PAYMENT NO. 16			\$ 524,564.84		PARTIAL PAYMENT NO. 33			\$ 36,821.39				
PARTIAL PAYMENT NO. 17			\$ 533,944.38		PARTIAL PAYMENT NO. 34			\$ 15,310.48				
								THIS PARTIAL PAYMENT	\$ -			
								TOTAL PARTIAL PAYMENTS	\$ 9,305,018.43			
								BALANCE	\$ 30,000.00			

PREPARED BY: *Paul R. [Signature]*

CONTRACTOR APPROVED: *[Signature]*

TOTAL (approx. % complete) = 100%	\$ 9,335,018.43
RETAINAGE, 3% w/ \$30,000 max	\$ 30,000.00
TOTAL LESS RETAINAGE	\$ 9,305,018.43
LESS PREVIOUS PAYMENT	\$ 9,305,018.43
AMOUNT DUE	\$ -

CHECKED BY: _____

PARTIAL PAYMENT NO. 35 - FINAL

Funding Source Summary Breakdown	Total	Retainage	Total Eligible Amount	Notes
Div. I - Eligible Construction Costs for IDOT Funding Reimbursement	\$ 9,063,223.45	\$ 30,000.00	\$ 9,033,223.45	80% reimbursed by IDOT, w/\$29,129,000 max., remainder City Funds
Div. II - Non-Participating Funds, plus remainder not reimbursed by IDOT	\$ 271,794.98	\$ -	\$ 271,794.98	
	\$ 30,000.00	\$ 30,000.00	\$ 9,305,018.43	