



Roll Call Number

Agenda Item Number

12D

DATE February 7, 2022

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR 2020 TRAFFIC SIGNAL REPLACEMENT CONTRACT 1, VAN MAANEN ELECTRIC, 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 2020 Traffic Signal Replacement Contract 1, 042020007, in accordance with the contract approved between Van Maanen Electric, Inc., Nathan S. Van Maanen, President, 500 Iowa Speedway, Newton, IA 50208, under Roll Call No. 20-0565, of March 23, 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 \$903,104.34 is the total cost, of which \$876,011.21 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 \$27,093.13 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:

s/Kathleen Vanderpool

Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE

Nickolas J. Schaul
Nickolas J. Schaul
Director of Finance

SLN
PW

Funding Source: 2021-2022 CIP, Page 163, Traffic Signals – Replacement, TR091, Being: \$828,104.34 G.O. bonds and the remaining \$75,000 Mercy College of Medical Sciences

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

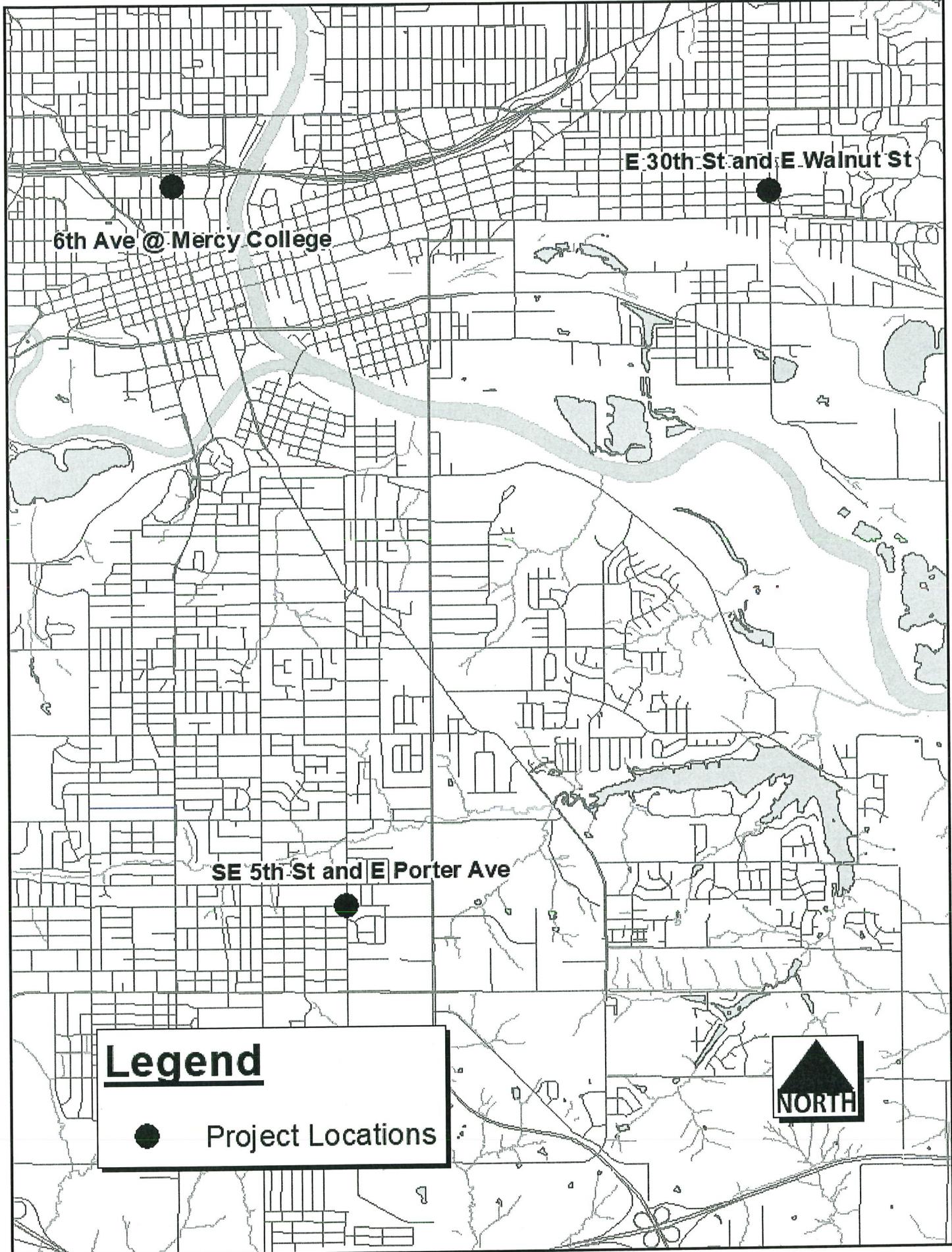
MOTION CARRIED APPROVED

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 Locations





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PROJECT SUMMARY

2020 Traffic Signal Replacement Contract 1

Activity ID 042020007

On March 23, 2020, under Roll Call No. 20-0565, the Council awarded the contract for the above improvements to Van Maanen Electric, Inc., in the amount of \$831,245.00. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	City	12/22/2020 Includes removal of old trolley rail tracks and ties, removal and replacement of unstable subgrade, and milling and HMA overlay at the intersection of E 30th Street and E Walnut Street.	\$22,404.13
2	City	2/16/2021 Includes temporary dewatering wells, steel casing, and flowable backfill for NE signal pole footing at E. 30th Street and E. Walnut Street. This change order also adjusts quantities to as-built quantities.	\$47,505.41
3	City	1/4/2022 Added seeding and hydromulching, power cables, ground wires, PCC sidewalk and grading. This change order adjusts quantities to as-built quantities.	\$1,154.80
4	City	1/11/2022 Added Pedestrian Pole Footing.	\$795.00
Original Contract Amount			\$831,245.00
Total Change Orders			\$71,859.34
Percent of Change Orders to Original Contract			8.64%
Total Contract Amount			\$903,104.34

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February 7, 2022

CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the 2020 Traffic Signal Replacement Contract 1, Van Maanen Electric, Inc.

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$903,104.34 As-Built Contract Cost

Funding Source: 2021-2022 CIP, Page 163, Traffic Signals – Replacement, TR091, Being: \$828,104.34 G.O. bonds and the remaining \$75,000 Mercy College of Medical Sciences

CERTIFICATION OF COMPLETION:

On March 23, 2020, under Roll Call No. 20-0565, the City Council awarded a contract to Van Maanen Electric, Inc., Nathan S. Van Maanen, President, 500 Iowa Speedway, Newton, IA 50208 for the construction of the following improvement:

2020 Traffic Signal Replacement Contract 1, 042020007

The improvement includes new traffic signals, new High-Intensity Activated CrossWalk (HAWK) pedestrian signal, vehicle loop detectors, Hot Mix Asphalt (HMA) pavement, Portland Cement Concrete (PCC) sidewalk, pavement markings, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 613-128/187, located at the intersections of S.E. 5th Street and E. Porter Avenue and of E. 30th Street and E. Walnut Street, and on 6th Avenue at Mercy College north of Crocker Street, Des Moines, Iowa

I hereby certify that the construction of said 2020 Traffic Signal Replacement Contract 1, Activity ID 042020007, 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 October 7, 2020, and was completed on January 21, 2022.

I further certify that \$903,104.34 is the total cost of said improvement, of which \$876,011.21 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 \$27,093.13 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 12/21/21 to 12/31/21
FINAL PAYMENT (PARTIAL PAYMENT NO. 13)**



**PROJECT: 2020 TRAFFIC SIGNAL REPLACEMENT, CONTRACT 1
CONTRACTOR: Van Maanen Electric**

**ACTIVITY ID: 04-2020-007
DATE: 1/14/2022**

ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
1	Flaggers, Uniformed Police Officer	DAY	5.00	0.00	0.00	0.00	\$ 550.00	\$0.00
2	Portable Dynamic Message Sign	DAY	10.00	0.00	0.00	0.00	\$ 280.00	\$0.00
3	Removal of Type A Sign	EA	4.00	1.00	1.00	0.00	\$ 200.00	\$200.00
4	Install Type A Sign	EA	4.00	0.00	0.00	0.00	\$ 350.00	\$0.00
5	Clearing and Grubbing	UNIT	50.00	50.00	50.00	0.00	\$ 110.00	\$5,500.00
6	Excavation and Grading	LS	1.00	1.00	1.00	0.00	\$ 5,400.00	\$5,400.00
7	Subgrade Preparation	SY	423.00	0.00	0.00	0.00	\$ 27.00	\$0.00
8	Subbase, Special Backfill, 6 in. Depth	SY	240.00	50.00	50.00	0.00	\$ 27.00	\$1,350.00
9	Removal of Structure, Intake	EA	1.00	1.00	1.00	0.00	\$ 1,610.00	\$1,610.00
10	Storm Sewer, Trenched, RCP, 15 in. Dia.	LF	6.00	10.50	10.50	0.00	\$ 430.00	\$4,515.00
11	Manhole, SW-402, 3.5' x 3.5'	EA	1.00	1.00	1.00	0.00	\$ 6,260.00	\$6,260.00
12	Intake, SW-503	EA	1.00	1.00	1.00	0.00	\$ 7,500.00	\$7,500.00
13	Curb and Gutter, P.C. Concrete, 1.5 Ft	LF	286.00	334.80	334.80	0.00	\$ 65.00	\$21,762.00
14	HMA Standard Traffic (HT) Base, 3/4", PG-58-28S	TON	50.00	92.10	92.10	0.00	\$ 180.00	\$16,578.00
15	HMA Standard Traffic (HT) Intermediate/Surface, 1/2", PG-58-28H	TON	75.00	72.38	72.38	0.00	\$ 180.00	\$13,028.40
16	Removal of Sidewalk	SY	324.00	372.80	372.80	0.00	\$ 27.00	\$10,065.60
17	Removal of Curb	LF	74.00	74.00	74.00	0.00	\$ 38.00	\$2,812.00
18	Sidewalk, PCC, 4 in.	SY	63.00	70.10	70.10	0.00	\$ 86.00	\$6,028.60
19	Sidewalk, PCC, 5 in., Class A	SY	236.00	133.30	133.30	0.00	\$ 108.00	\$14,396.40
20	Sidewalk, PCC, 6 in.	SY	95.00	316.60	316.60	0.00	\$ 118.00	\$37,358.80
21	Detectable Warning	SF	188.00	212.00	212.00	0.00	\$ 54.00	\$11,448.00
22	Driveway, Paved, Type A, 6" PCC	SY	4.00	7.40	7.40	0.00	\$ 162.00	\$1,198.80
23	Pavement Removal	SY	320.00	501.40	501.40	0.00	\$ 54.00	\$27,075.60
24	Traffic Signalization - SE 5th & East Porter	LS	1.00	1.00	1.00	0.00	\$ 173,225.00	\$173,225.00
25	Traffic Signalization - 6th Avenue HAWK Signal	LS	1.00	1.00	1.00	0.00	\$ 83,965.00	\$83,965.00
26	Traffic Signalization - E 30th & E Walnut	LS	1.00	1.00	1.00	0.00	\$ 216,325.00	\$216,325.00
27	Painted Pavement Markings, Durable Epoxy	STA	26.30	26.30	26.30	0.00	\$ 565.00	\$14,859.50
28	Pavement Markings, Removed	STA	6.30	6.30	6.30	0.00	\$ 360.00	\$2,268.00
29	Grooves Cut for Epoxy	STA	26.30	26.30	26.30	0.00	\$ 165.00	\$4,339.50
30	Temporary Traffic Control	LS	1.00	1.00	1.00	0.00	\$ 13,400.00	\$13,400.00
31	Sod	SQ	11.00	72.58	72.58	0.00	\$ 270.00	\$19,596.60
32	Filter Socks, 9 in.	LF	284.00	194.10	194.10	0.00	\$ 3.50	\$679.35
33	Filter Socks, Removal	LF	284.00	194.00	194.00	0.00	\$ 1.75	\$339.50
34	Inlet Protection Device, Drop-In Intake Protection	EA	4.00	0.00	0.00	0.00	\$ 215.00	\$0.00
35	Inlet Protection Device, Open Throat Curb Intake Sediment Filter	LF	9.00	0.00	0.00	0.00	\$ 55.00	\$0.00
36	Inlet Protection Device, Grate Intake Sediment Filter Bag	EA	1.00	0.00	0.00	0.00	\$ 215.00	\$0.00
37	Inlet Protection Device, Maintenance	EA	7.00	0.00	0.00	0.00	\$ 55.00	\$0.00

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ITEM NO.	DESCRIPTION	UNIT	QUANTITIES				UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE	CONSTRUCTED THIS PERIOD		
38	Removal and Reinstallation of Existing Chain Fence, Chain Link, 42"	LF	5.00	8.00	8.00	0.00	\$ 200.00	\$1,600.00
39	Modular Block Retaining Wall	SF	160.00	174.00	174.00	0.00	\$ 60.00	\$10,440.00
40	Demolition Work	LS	1.00	1.00	1.00	0.00	\$ 5,000.00	\$5,000.00
41	Construction Survey	LS	1.00	1.00	1.00	0.00	\$ 8,500.00	\$8,500.00
42	Mobilization	LS	1.00	1.00	1.00	0.00	\$ 115,000.00	\$115,000.00
Change Order Items								
1.01	Removal and Disposal of Old Trolley Rail Tracks and Ties	LS	0.00	9,014.25	1.00	0.00	\$ 9,014.25	\$9,014.25
1.02	Core Out of Unstable Subgrade and Backfill with Crushed Stone	LS	0.00	11,978.35	1.00	0.00	\$ 11,978.35	\$11,978.35
1.03	Milling and HMA Overlay, 2 in.	LS	0.00	1,411.53	1.00	0.00	\$ 1,411.53	\$1,411.53
2.01	Temporary Wells, Casing, Flowable Fill at E 30th & Walnut	LS	0.00	11,466.61	1.00	0.00	\$ 11,466.61	\$11,466.61
301	Seeding and Hydromulching NW Corner of SE 5th & E Porter	LS	0.00	1.00	1.00	0.00	\$ 1,590.75	\$1,590.75
302	Power Cable 1C #6 at E 30th St & E Walnut	LF	0.00	712.00	712.00	0.00	\$ 1.10	\$783.20
303	Ground Wire 1C #6 at E 30th St & E Walnut	LF	0.00	240.00	240.00	0.00	\$ 1.00	\$240.00
304	4" PCC Sidewalk, Grading, Seeding & Hydromulching at SW Corner of	LS	0.00	1.00	1.00	0.00	\$ 2,200.00	\$2,200.00
401	Pedestrian Pole Footing - 2'DIA x 3'DEPTH	EA	0.00	1.00	1.00	0.00	\$ 750.00	\$750.00
402	2" PVC (SH 80), Pushed	LF	0.00	5.00	5.00	0.00	\$ 9.00	\$45.00
ORIGINAL CONTRACT AMOUNT			\$	831,245.00				
TOTAL CHANGE ORDERS			\$	71,859.34				
ORIGINAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$	903,104.34				
PARTIAL PAYMENT NO. 1			\$	221,041.07				
PARTIAL PAYMENT NO. 2			\$	136,650.11				
PARTIAL PAYMENT NO. 3			\$	37,476.46				
PARTIAL PAYMENT NO. 4			\$	130,419.45				
PARTIAL PAYMENT NO. 5			\$	31,280.39				
PARTIAL PAYMENT NO. 6			\$	50,764.47				
PARTIAL PAYMENT NO. 7			\$	84,921.85				
PARTIAL PAYMENT NO. 8			\$	47,202.63				
PARTIAL PAYMENT NO. 9			\$	93,576.77				
PARTIAL PAYMENT NO. 10			\$	33,732.57				
PARTIAL PAYMENT NO. 11			\$	8,174.29				
PARTIAL PAYMENT NO. 12			\$	771.15				
THIS PARTIAL PAYMENT			\$	-				
TOTAL PARTIAL PAYMENTS			\$	876,011.21				
BALANCE			\$	27,093.13				

TOTAL	\$ 903,104.34
RETAINAGE	\$ 27,093.13
TOTAL LESS RETAINAGE	\$ 876,011.21
LESS PREVIOUS PAYMENT	\$ 876,011.21
AMOUNT DUE	\$ -

FINAL PAYMENT (PARTIAL PAYMENT NO. 13)

PREPARED BY:

Brian Lehman

Project Inspector

CHECKED BY:

Joseph A. Elly

Project Engineer