



Date May 05, 2025

**PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS,
FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON
INTELLIGENT TRANSPORTATION SYSTEMS UPGRADE - PHASE 5;
RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE
BIDDER AS VAN MAANEN ELECTRIC, INC., NATHAN VAN MAANEN, PRESIDENT, \$1,339,611.98**

WHEREAS, on April 07, 2025, under Roll Call No. 25-0482, plans, specifications, form of contract documents, and Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following improvement:

Intelligent Transportation Systems Upgrade - Phase 5, Activity ID 042024009
IDOT Project No. STP-U-1945(877)--70-77

The improvements include removal of pavement, Portland Cement Concrete (PCC) sidewalk paving, and upgrading the communications infrastructure, communications network, dynamic message sign (DMS) installation, traffic signal cabinet/controller and Intelligent Transportation Systems (ITS) equipment of the traffic signal system, all in accordance with the contract documents, including Plan File No. 673-011/100 at the following locations: 41st Street from Germania Drive to Beaver Avenue, Beaver Avenue from 41st Street to Douglas Avenue, Hickman Road from 48th Street to Beaver Avenue, Hickman Road from 30th Street to Martin Luther King Jr. Parkway, Pennsylvania Avenue from EB I-235 ramps to E. University Avenue, WB I-235 ramps from E. 6th Street to Pennsylvania Avenue, E. 6th Street from EB I-235 ramps to WB I-235 ramps, Martin Luther King Jr. Parkway from Cottage Grove Avenue south approximately 1,000 feet, E. University Avenue from E. 25th Street to E. 26th Street, E. University Avenue at Winegardner Road, 2nd Avenue from Vine Street to Court Avenue, Grand Avenue from 2nd Avenue to the Des Moines River bridge, 3rd Street from Crocker Street north approximately 230 feet, 5th Street from School Street south approximately 150 feet, 6th Avenue from Cherry Street south approximately 160 feet, 7th Street from School Street south approximately 130 feet, Keosauqua Way from 12th Street to approximately 380 feet southeast, Fleur Drive from John R Grubb Lane north approximately 500 feet, Fleur Drive from Bell Avenue to approximately 550 feet, in Des Moines, Iowa

WHEREAS, notice of the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost was published as required by law.

WHEREAS, in accordance with said notice, those interested in said proposed plans, specifications, form of contract documents, and Engineer's estimate of construction cost both for and against, have been given opportunity to be heard with respect thereto and have presented their views to the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That upon due consideration of the facts, and any and all statements of interested persons, any objections to the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement are overruled and the hearing is closed and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved.



Roll Call Number

Agenda Item Number

57

Date May 05, 2025

BE IT FURTHER RESOLVED: That sealed bids for said improvement were submitted by the following bidders:

Van Maanen Electric, Inc., Newton, IA - Low Bid

Iowa Signal, Inc., Grimes, IA

Kline Electric, Inc. d/b/a Heartland Underground Solutions, Des Moines, IA

which in accordance with a previously approved Iowa DOT Agreement, were received and opened by the Iowa DOT on April 15, 2025. The attached tabulation of bids by the Iowa DOT for said improvement be and is hereby accepted, received, and filed.

BE IT FURTHER RESOLVED: That the Des Moines City Engineer, as the Engineer, has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Van Maanen Electric, Inc., Nathan Van Maanen, President, 500 Iowa Speedway Drive, Newton, IA, 50208 in the amount of \$1,339,611.98, and said bid be and the same is hereby accepted.

BE IT FURTHER RESOLVED: That the Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Engineer is directed to thereafter present said contract documents to this Council for approval and authorization for the Engineer to sign; and that no contract shall be deemed to exist between the City of Des Moines and said Bidder until said contract has been executed by the Bidder, and shall have been approved by this Council and executed by the Engineer.

BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary closure of all public grounds, streets, sidewalks, alleys, bridges, culverts, overpasses, underpasses, grade crossing separations and approaches, public ways, squares, and commons for the Project.

(Council Communication No. 25-172 attached)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE:

/s/Jeffrey D. Lester

s/Nickolas J. Schaul

Jeffrey D. Lester
City Attorney

Nickolas J. Schaul
Director of Finance

SLN
PW

Funding Source: 2025-26 CIP, Page 173, Traffic System Operation Improvements, TR097, Being: \$500,000 (maximum) Surface Transportation Block Grant (STBG) program Federal-aid funds up to 80% of eligible construction costs under STP-U-1945(877)--70-77, and the remaining \$839,611.98 in G.O. Bonds



Roll Call Number

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Date May 05, 2025

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
BOESEN				
COLEMAN				
GATTO				
MANDELBAUM				
SIMONSON				
VOSS				
WESTERGAARD				
TOTAL				
MOTION CARRIED			APPROVED	

Mayor

CERTIFICATE

I, Laura Baumgartner, 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



Contracts and Specifications Bureau

04/17/2025 12:56 PM

Project(s) and Vendor Ranking

Call Order: 353	Contract ID: 77-1945-877	Primary County: POLK
Letting Date: April 15, 2025 10:00 A.M.		DBE Goal: 0.0%
Letting Status: AWARDED	Awarded Vendor: VAN MAANEN ELECTRIC, INC.	
Contract Period: Completion Date: 06/15/26		

Project Information:

Project: STP-U-1945(877)--70-77	WorkType: TRAFFIC SIGNALS
County: POLK	Prj Award Amt: \$1,339,611.98
Route: VARIOUS ROUTES	
Location: In the city of Des Moines, ITS Upgrade Phase 5	

CONFIDENTIAL destroy if NOT awarded



Contracts and Specifications Bureau

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Project(s) and Vendor Ranking

Page 2 of 2

Call Order: 353
Letting Date: April 15, 2025 10:00 A.M.
Letting Status: AWARDED
Contract Period: Completion Date: 06/15/26

Contract ID: 77-1945-877
Awarded Vendor: VAN MAANEN ELECTRIC, INC.
Primary County: POLK
DBE Goal: 0.0%

Rank	Vendor ID	Vendor Name	Total Bid	Percent Of Low Bid
1	VA143	VAN MAANEN ELECTRIC, INC.	\$1,339,611.98	100.00%
2	IO259	IOWA SIGNAL INC.	\$1,617,259.34	120.73%
3	HE048	KLINE ELECTRIC, INC. DBA HEARTLAND UNDERGROUND SOLUTIONS	\$1,716,865.80	128.16%

Tabulation of Construction and Material Bids

04/17/2025 12:56 PM

Call Order: 353

Letting Date: April 15, 2025

Contract ID: 77-1945-877

Primary County: POLK

Line No / Item Number Item Description	(1) VAN MAANEN ELECTRIC, INC.	(2) IOWA SIGNAL INC.	(3) KLINE ELECTRIC, INC. DBA HEARTLAND UNDERGROUND SOLUTIONS				
Alt Set / Alt Member	Quantity and Units	Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount

SECTION: 0001 Traffic Signal Items

0010	2423-0001010	12.000	EACH	1,040.00000	12,480.00	6,087.00000	73,044.00	8,610.00000	103,320.00
DYNAMIC MESSAGE SIGN (D.M.S.) INSTALLATION									
0020	2510-6745850	10.000	SY	15.45000	154.50	40.00000	400.00	25.00000	250.00
REMOVAL OF PAVEMENT									
0030	2511-7526006	10.000	SY	103.00000	1,030.00	150.00000	1,500.00	23.00000	230.00
SIDEWALK, P.C. CONCRETE, 6 IN.									
0040	2518-0001200	3,030.000	LF	6.50000	19,695.00	13.37000	40,511.10	13.25000	40,147.50
ITS CONDUIT, HDPE, 2 INCH BORED									
0050	2518-0001400	205.000	LF	14.00000	2,870.00	30.00000	6,150.00	35.00000	7,175.00
ITS CONDUIT, HDPE, 4 INCH BORED									
0060	2518-0006002	8,784.000	LF	2.81000	24,683.04	2.86000	25,122.24	3.10000	27,230.40
XHHW COPPER WIRE, NO. 2 AWG									
0070	2518-0006004	3,920.000	LF	1.94000	7,604.80	2.03000	7,957.60	2.40000	9,408.00
XHHW COPPER WIRE, NO. 4 AWG									

Cat Alt Member:

Cat Alt Set:

CONFIDENTIAL - destroy if NOT awarded

Contracts and Specifications Bureau

Tabulation of Construction and Material Bids

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Call Order: 353

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Contract ID: 77-1945-877

Primary County: POLK

Line No / Item Number Item Description	(1) VAN MAANEN ELECTRIC, INC.		(2) IOWA SIGNAL INC.		(3) KLINE ELECTRIC, INC. DBA HEARTLAND UNDERGROUND SOLUTIONS	
	Alt Set / Alt Member	Quantity and Units	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Traffic Signal Items						
0080 2518-0006006 2,220.000 LF		1.42000	3,152.40	1.53000	3,396.60	1.95000 4,329.00
XHHW COPPER WIRE, NO. 6 AWG						
0090 2518-0006010 620.000 LF		0.66000	409.20	0.88000	545.60	1.15000 713.00
XHHW COPPER WIRE, NO. 10 AWG						
0100 2518-0006015 25,120.000 LF		0.78000	19,593.60	1.46000	36,675.20	0.40000 10,048.00
ITS TRACER WIRE 1c #10, (WITH PULL TAPE)						
0110 2518-0007012 4,560.000 LF		2.02000	9,211.20	2.65000	12,084.00	1.16000 5,289.60
FIBER OPTIC CABLE, 12 SM DIELECTRIC (WITHIN EXISTING CONDUIT)						
0120 2518-0007012 1,605.000 LF		2.02000	3,242.10	5.21000	8,362.05	1.54000 2,471.70
FIBER OPTIC CABLE, 12 SM DIELECTRIC (WITHIN NEW CONDUIT)						
0130 2518-0007048 980.000 LF		2.38000	2,332.40	12.01000	11,769.80	1.52000 1,489.60
FIBER OPTIC CABLE, 48 SM DIELECTRIC (WITHIN EXISTING BRIDGE CONDUIT)						

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Contracts and Specifications Bureau

Tabulation of Construction and Material Bids

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Call Order: 353

Letting Date: April 15, 2025

Contract ID: 77-1945-877

Primary County: POLK

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Alt Set / Alt Member	Quantity and Units	Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount

SECTION: 0001 Traffic Signal Items

0140	2518-0007048	18,510.000	LF	2.38000	44,053.80	3.55000	66,450.90	1.36000	25,173.60
FIBER OPTIC CABLE, 48 SM DIELECTRIC (WITHIN EXISTING CONDUIT)									
0150	2518-0007048	2,560.000	LF	2.38000	6,092.80	4.95000	12,672.00	1.44000	3,686.40
FIBER OPTIC CABLE, 48 SM DIELECTRIC (WITHIN NEW CONDUIT)									
0160	2518-0008305	18,385.000	LF	0.60000	11,031.00	3.29000	60,486.65	0.50000	9,192.50
FIBER OPTIC CABLE, REMOVE									
0170	2518-0008360	25.000	EACH	362.00000	9,050.00	150.00000	3,750.00	302.00000	7,550.00
SINGLE PANEL HOUSING (HOLDS ONE PANEL WITH SPLICE ORGANIZER)									
0180	2518-0008365	300.000	EACH	70.00000	21,000.00	85.00000	25,500.00	43.80000	13,140.00
UPC/SC FACTORY TERMINATED FIBER CONNECTOR AND PIGTAILS									
0190	2518-0008370	12.000	EACH	700.00000	8,400.00	750.00000	9,000.00	315.00000	3,780.00
FIBER OPTIC SPLICE CLOSURE (HAINHOLE CONTAINED)									

Cat Alt Set:

Cat Alt Member:

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Line No / Item Number Item Description			(1) VAN MAANEN ELECTRIC, INC.		(2) IOWA SIGNAL INC.		(3) KLINE ELECTRIC, INC. DBA HEARTLAND UNDERGROUND SOLUTIONS	
Alt Set / Alt Member	Quantity and Units		Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Traffic Signal Items								
0270 2533-4980005 MOBILIZATION	(1)	LS	5,000.00000	5,000.00	10,000.00000	10,000.00	14,000.00000	14,000.00
0280 2555-0000010 DELIVER AND STOCKPILE SALVAGED MATERIALS	(1)	LS	6,800.00000	6,800.00	3,000.00000	3,000.00	675.00000	675.00
0290 2599-9999005 'EACH' ITEM) ADVANCED TRAFFIC CONTROLLER (ATC) SYSTEM	12,000	EACH	6,632.00000	79,584.00	5,254.00000	63,048.00	5,730.00000	68,760.00
0300 2599-9999005 'EACH' ITEM) CONFLICT MONITOR	16,000	EACH	1,964.00000	31,424.00	1,905.00000	30,480.00	1,910.00000	30,560.00
0310 2599-9999005 'EACH' ITEM) CONNECTOR ADAPTER PANEL, SIX DUPLEX LC	25,000	EACH	122.52000	3,063.00	600.00000	15,000.00	269.00000	6,725.00
0320 2599-9999005 'EACH' ITEM) DYNAMIC MESSAGE SIGN (D.M.S.) MOUNTING BRACKET (SPACE)	32,000	EACH	125.00000	4,000.00	343.75000	11,000.00	250.00000	8,000.00

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Alt Set / Alt Member		Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Traffic Signal Items									
0330	2599-9999005 4.000 EACH (EACH' ITEM) DYNAMIC MESSAGE SIGN (D.M.S.) SUPPORT STRUCTURE AND FOOTING	18,000.00000	72,000.00	32,702.50000	130,930.00	38,905.00000	155,620.00		
0340	2599-9999005 24.000 EACH (EACH' ITEM) ETHERNET SWITCH, INSTALL ONLY	265.00000	6,360.00	300.00000	7,200.00	187.00000	4,488.00		
0350	2599-9999005 12.000 EACH (EACH' ITEM) METERED PANEL: (120/208V OR 120/240V 'SITE SPECIFIC')	1,205.00000	14,460.00	988.64000	11,863.68	1,935.00000	23,220.00		
0360	2599-9999005 12.000 EACH (EACH' ITEM) NON-METERED PANEL: (120/208V OR 120/240V 'SITE SPECIFIC')	700.00000	8,400.00	556.55000	6,678.60	1,545.00000	18,540.00		
0370	2599-9999005 5.000 EACH (EACH' ITEM) POWER SUPPLY / BATTERY BACK-UP SYSTEM	7,408.00000	37,040.00	7,425.00000	37,125.00	7,995.00000	39,975.00		
0380	2599-9999005 6.000 EACH (EACH' ITEM) PTZ TRAFFIC MONITORING CAMERA SYSTEM	5,672.00000	34,032.00	4,838.00000	29,028.00	5,050.00000	30,300.00		

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Alt Set / Alt Member				Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Traffic Signal Items									
0390	2599-9999005	8.000	EACH	400.00000	3,200.00	1,500.00000	12,000.00	2,240.00000	17,920.00
('EACH' ITEM) REMOVAL OF EXISTING DYNAMIC MESSAGE SIGN (D.M.S.)									
0400	2599-9999005	4.000	EACH	130.00000	520.00	200.00000	800.00	87.60000	350.40
('EACH' ITEM) REMOVE EXISTING FIBER OPTIC LINE TRANSCEIVER									
0410	2599-9999005	4.000	EACH	130.00000	520.00	200.00000	800.00	87.60000	350.40
('EACH' ITEM) REMOVE EXISTING PORTSERVER DEVICE									
0420	2599-9999010	(1)	LS	4,000.00000	4,000.00	3,250.00000	3,250.00	4,140.00000	4,140.00
('LUMP SUM' ITEM) CONTROLLER INTEGRATION SUPPORT									
0430	2599-9999010	(1)	LS	7,500.00000	7,500.00	7,500.00000	7,500.00	2,000.00000	2,000.00
('LUMP SUM' ITEM) EXCAVATION AND GRADING									
0440	2599-9999009	4,664.000	LF	5.68000	26,491.52	5.63000	26,258.32	5.45000	25,418.80
('LINEAR FEET' ITEM) XHHW COPPER WIRE, NO. 3/0 AWG									

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Alt Set / Alt Member				Unit Price	Ext Amount	Unit Price	Ext Amount	Unit Price	Ext Amount
SECTION: 0001 Traffic Signal Items									
0450	2599-9999009	3,280.000	LF	4.60000	15,088.00	4.55000	15,088.00	4.55000	14,924.00
('LINEAR FEET' ITEM) XHHW COPPER WIRE, NO. 2/0 AWG									
0460	2518-0006001	4,600.000	LF	3.14000	14,444.00	3.16000	14,536.00	3.30000	15,180.00
XHHW COPPER WIRE, NO. 1 AWG									
0470	2599-9999009	2,000.000	LF	2.35000	4,700.00	2.38000	4,760.00	2.70000	5,400.00
('LINEAR FEET' ITEM) XHHW COPPER WIRE, NO. 3 AWG									
0480	2599-9999005	12.000	EACH	57,750.00000	693,000.00	56,500.00000	678,000.00	74,520.00000	894,240.00
('EACH' ITEM) DYNAMIC MESSAGE SIGN (D.M.S.)									
Section Totals:					\$1,339,611.98		\$1,617,259.34		\$1,716,865.80
Contract Item Totals					\$1,339,611.98		\$1,617,259.34		\$1,716,865.80
Contract Time Totals									
Contract Grand Totals					\$1,339,611.98		\$1,617,259.34		1,716,865.80

() indicates item is bid as Lump Sum