



# CITY OF MANITOWOC

WISCONSIN, USA

[www.manitowoc.org](http://www.manitowoc.org)

December 14, 2023

TO: Mayor and Common Council

FROM: Board of Public Works

SUBJECT: 2024 SISP Traffic Signal Upgrade – South 21<sup>st</sup> & Washington Street – Project #WS-24-12

Dear Mayor and Common Council:

At the December 13, 2023 Board of Public Works meeting, the Board met to receive bids for 2024 SISP Traffic Signal Upgrade – South 21<sup>st</sup> & Washington Street – Project #WS-24-12. City Clerk reported having received three (3) e-bids. Same were opened and accepted online through Quest, and are as follows:

Name	Bid Bond	Base Bid
Bodart Electric Service, Inc	Bid Bond	\$168,735.04
Van Ert Electric	Bid Bond	\$197,361.85
Elmstar Electric Corporation	Bid Bond	\$198,931.08

"Moved by Finance Director Alfred, seconded by Alderperson Czekala, and unanimously carried to refer the bid to the Director of Public Infrastructure for tabulation and recommendation. Ayes, 6. Nays, none."

Very Truly Yours,

MACKENZIE REED  
Secretary Board of Public Works

#WS-24-12 2024 SISF TRAFFIC SIGNAL UPGRADE - SOUTH 21ST & WASHINGTON STREET (#8853007)

BID DATE: DECEMBER 13, 2023

Item #	Item Description	UofM	Qty	Bodart Electric Service, Inc		Van Ert Electric		Elmstar Electric Corporation	
				Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
<b>SISF TRAFFIC SIGNAL UPGRADE</b>				<b>\$163,735.04</b>		<b>\$192,361.85</b>		<b>\$193,931.08</b>	
204.01	Removing Concrete Pavement	SY	3	\$100.00	\$300.00	\$170.00	\$510.00	\$125.00	\$375.00
204.0155	Removing Concrete Sidewalk	SY	51	\$27.00	\$1,377.00	\$37.00	\$1,887.00	\$26.15	\$1,333.65
204.0195	Removing Concrete Bases	EACH	5	\$200.00	\$1,000.00	\$375.00	\$1,875.00	\$400.00	\$2,000.00
602.041	Concrete Sidewalk, 5-Inch	SF	460	\$17.50	\$8,050.00	\$21.50	\$9,890.00	\$18.30	\$8,418.00
637.2215	Signs Type II Reflective H Folding	SF	20.72	\$32.00	\$663.04	\$155.00	\$3,211.60	\$94.00	\$1,947.68
638.2102	Moving Signs Type II	EACH	1	\$75.00	\$75.00	\$145.00	\$145.00	\$120.00	\$120.00
638.2602	Removing Signs Type II	EACH	4	\$50.00	\$200.00	\$58.00	\$232.00	\$50.00	\$200.00
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	75	\$12.00	\$900.00	\$9.90	\$742.50	\$23.00	\$1,725.00
652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	70	\$14.00	\$980.00	\$13.35	\$934.50	\$27.00	\$1,890.00
652.0605	Conduit Special 2-Inch	LF	45	\$28.00	\$1,260.00	\$59.00	\$2,655.00	\$40.00	\$1,800.00
652.0615	Conduit Special 3-Inch	LF	70	\$30.00	\$2,100.00	\$74.00	\$5,180.00	\$47.00	\$3,290.00
653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	4	\$1,850.00	\$7,400.00	\$2,270.00	\$9,080.00	\$1,800.00	\$7,200.00
653.0905	Removing Pull Boxes	EACH	3	\$75.00	\$225.00	\$225.00	\$675.00	\$100.00	\$300.00
654.0101	Concrete Bases Type 1	EACH	4	\$1,125.00	\$4,500.00	\$840.00	\$3,360.00	\$1,390.00	\$5,560.00
654.0102	Concrete Bases Type 2	EACH	2	\$1,750.00	\$3,500.00	\$1,300.00	\$2,600.00	\$1,855.00	\$3,710.00
654.012	Concrete Bases Type 10-Special	EACH	2	\$7,500.00	\$15,000.00	\$10,875.00	\$21,750.00	\$11,350.00	\$22,700.00
654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1	\$2,200.00	\$2,200.00	\$2,850.00	\$2,850.00	\$3,470.00	\$3,470.00
655.023	Cable Traffic Signal 5-14 AWG	LF	1185	\$1.75	\$2,073.75	\$1.95	\$2,310.75	\$2.00	\$2,370.00
655.024	Cable Traffic Signal 7-14 AWG	LF	495	\$1.90	\$940.50	\$2.55	\$1,262.25	\$2.35	\$1,163.25
655.026	Cable Traffic Signal 12-14 AWG	LF	995	\$3.75	\$3,731.25	\$3.55	\$3,532.25	\$2.50	\$2,487.50
655.0305	Cable Type UF 2-12 AWG Grounded	LF	670	\$2.00	\$1,340.00	\$2.50	\$1,675.00	\$1.40	\$938.00
655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1170	\$0.85	\$994.50	\$0.95	\$1,111.50	\$1.10	\$1,287.00
656.02	Electrical Service Meter Breaker Pedestal (Washington St & 21st St)	LS	1	\$1,850.00	\$1,850.00	\$2,675.00	\$2,675.00	\$4,800.00	\$4,800.00
657.01	Pedestal Bases	EACH	7	\$225.00	\$1,575.00	\$300.00	\$2,100.00	\$245.00	\$1,715.00
657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	3	\$585.00	\$1,755.00	\$684.00	\$2,052.00	\$633.00	\$1,899.00
657.0305	Poles Type 2	EACH	2	\$2,010.00	\$4,020.00	\$2,345.00	\$4,690.00	\$2,695.00	\$5,390.00
657.0315	Poles Type 4	EACH	1	\$1,885.00	\$1,885.00	\$2,205.00	\$2,205.00	\$2,295.00	\$2,295.00
657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	4	\$290.00	\$1,160.00	\$404.00	\$1,616.00	\$275.00	\$1,100.00
657.042	Traffic Signal Standards Aluminum 13-FT	EACH	2	\$555.00	\$1,110.00	\$715.00	\$1,430.00	\$580.00	\$1,160.00
657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	1	\$600.00	\$600.00	\$2,110.00	\$2,110.00	\$633.00	\$633.00
657.0585	Trombone Arms 15-FT	EACH	1	\$1,670.00	\$1,670.00	\$1,674.00	\$1,674.00	\$1,720.00	\$1,720.00
657.0595	Trombone Arms 25-FT	EACH	1	\$2,100.00	\$2,100.00	\$2,410.00	\$2,410.00	\$2,215.00	\$2,215.00
657.0714	Luminaire Arms Truss Type 4-Inch Clamp 15-FT	EACH	1	\$700.00	\$700.00	\$825.00	\$825.00	\$676.00	\$676.00
658.0173	Traffic Signal Face 3S 12-Inch	EACH	12	\$650.00	\$7,800.00	\$697.00	\$8,364.00	\$865.00	\$10,380.00
658.0174	Traffic Signal Face 4S 12-Inch	EACH	4	\$865.00	\$3,460.00	\$945.00	\$3,780.00	\$1,140.00	\$4,560.00
658.0416	Pedestrian Signal Face 16-Inch	EACH	8	\$530.00	\$4,240.00	\$480.00	\$3,840.00	\$586.00	\$4,688.00
658.05	Pedestrian Push Buttons	EACH	8	\$475.00	\$3,800.00	\$441.00	\$3,528.00	\$370.00	\$2,960.00
658.5069	Signal Mounting Hardware (Washington St & 21st St)	LS	1	\$6,350.00	\$6,350.00	\$6,521.00	\$6,521.00	\$6,040.00	\$6,040.00
659.1125	Luminaires Utility LED C	EACH	1	\$400.00	\$400.00	\$391.00	\$391.00	\$668.00	\$668.00
690.025	Sawing Concrete	LF	105	\$5.00	\$525.00	\$8.10	\$850.50	\$11.00	\$1,155.00
SPV 3.01	Mobilization	LS	1	\$15,000.00	\$15,000.00	\$12,300.00	\$12,300.00	\$5,500.00	\$5,500.00
SPV 3.02	Traffic Control	LS	1	\$2,850.00	\$2,850.00	\$5,650.00	\$5,650.00	\$8,060.00	\$8,060.00
SVP 3.03	Erosion Control and Restoration	LS	1	\$5,500.00	\$5,500.00	\$4,700.00	\$4,700.00	\$7,370.00	\$7,370.00
SPV 3.06	Install Department Furnished Traffic Signal Control Cabinet	EACH	1	\$3,500.00	\$3,500.00	\$2,070.00	\$2,070.00	\$2,745.00	\$2,745.00
SPV 3.8.2	Install Department Furnished Monotube Pole Type 9/10-Special and Monotube Arm	EACH	2	\$1,850.00	\$3,700.00	\$1,840.00	\$3,680.00	\$5,220.00	\$10,440.00
SPV 3.8.4	Install Department Furnished Monotube Luminaire Arm	EACH	1	\$1,850.00	\$1,850.00	\$150.00	\$150.00	\$555.00	\$555.00
SPV 3.12	Removing Traffic Signal (Washington St & 21st St)	LS	1	\$5,500.00	\$5,500.00	\$9,765.00	\$9,765.00	\$5,090.00	\$5,090.00
SPV 3.13	Grounding Existing Pull Box Covers	EACH	2	\$250.00	\$500.00	\$125.00	\$250.00	\$262.00	\$524.00
SPV 3.14	Install Monotube Pole, Type 9 Special	EACH	1	\$1,850.00	\$1,850.00	\$1,840.00	\$1,840.00	\$2,140.00	\$2,140.00
SPV 3.15	Install Monotube Pole, Type 10 Special	EACH	1	\$1,850.00	\$1,850.00	\$1,840.00	\$1,840.00	\$2,140.00	\$2,140.00
SPV 3.16	Install Monotube Arm, 40-ft Special	EACH	2	\$1,850.00	\$3,700.00	\$1,525.00	\$3,050.00	\$3,080.00	\$6,160.00
SPV 3.17	Install City Supplied Gridsmart Video Detection System - Washington St & 21st St	LS	1	\$3,750.00	\$3,750.00	\$4,196.00	\$4,196.00	\$4,900.00	\$4,900.00
SPV 3.18	Temporary Pedestrian Traffic Control	LS	1	\$875.00	\$875.00	\$4,700.00	\$4,700.00	\$1,628.00	\$1,628.00
SPV 3.19	Add-On Traffic Signals - Black	LS	1	\$9,500.00	\$9,500.00	\$9,640.00	\$9,640.00	\$8,340.00	\$8,340.00
<b>SISF TRAFFIC SIGNAL UPGRADE</b>				<b>\$5,000.00</b>		<b>\$5,000.00</b>		<b>\$5,000.00</b>	
SPV 3.20	Allowance (\$5K) for New Electrical Service Lateral	LS	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
<b>BASE BID TOTAL:</b>				<b>\$168,735.04</b>		<b>\$197,361.85</b>		<b>\$198,931.08</b>	

*Recommended awarding to  
Bodart Electric Service, Inc.  
12-14-23*