

Department of Public Works

City Hall
730 Washington Avenue
Racine, Wisconsin 53403
262.636.9121 – Public Works
262.636.9191 - Engineering



Mark H. Yehlen, PE
Commissioner of Public Works

Thomas M. Eeg, P.E.
Asst. Comm. of Public Works/Operations

John C. Rooney, P.E.
Asst. Comm. of Public Works/City Engineer

May 3, 2018

Legistar Item: 0456-18

Alderman Terry McCarthy, Chairman
Public Works and Services Committee
Racine, WI

Dear Alderman McCarthy:

The Commissioner of Public Works, on Thursday, May 3, 2018 at 2:00 P.M. (local time), received bids for Contract 20180035, 2018 Traffic Signal Replacement – 16th Street & Memorial Drive, and submits same for your approval. The following bids were received:

<u>Contractor</u>	<u>Base Bid</u>
Outdoor Lighting	\$176,268.62
Habermehl Electric	\$194,730.03
MP Systems, Inc.	\$196,892.29
Pro Electric	\$233,474.09

This public works project was estimated at \$200,000.00.

It is recommended that the contract be awarded to Outdoor Lighting at their base bid of \$176,268.62.

Funding for this work is available in Org-Object 45040-57530, Traffic Signal & LED Replacements.

Sincerely yours,

Mark H. Yehlen
Commissioner of Public Works

MHY:njp

cc: Mayor Cory Mason
Jim Palenick
John Rooney
Ara Molitor

Office of the City Engineer

John C. Rooney, P.E.
Assistant Commissioner of Public Works/
City Engineer



City Hall
730 Washington Avenue
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262.636.9191
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May 4, 2018

0456-18

TO: Mark Yehlen, P. E.
Commissioner of Public Works

FROM: John Rooney, P. E., Assistant Commissioner of Public Works/City Engineer *JCR*

RE: Bid award/funding breakdown
2018 Traffic Signal Replacement – 16th Street & Memorial Drive:
Contract #20180035

You received bids on the above contract with Outdoor Lighting Construction Co., Inc., submitting the low bid in the amount of \$176,268.62.

We recommend you enter into a contract with Outdoor Lighting Construction Co., Inc.. at their bid price.

Funding should be appropriated from the following accounts:

<u>Origin</u>	<u>Object</u>	<u>Description</u>	<u>Amount</u>
45040	57530	Traffic Signal & LED Replacements	\$176,268.62
		Total	\$176,268.62

20180035 Traffic Signal Replacement - 16th & Memorial (#5662900)

Owner: City of Racine, WI
 Solicitor: City of Racine, WI
 05/03/2018 02:00 PM CDT

Line Item	Item Code	Item Description	UoM	Qty	Outdoor Lighting		Habermehl Electric		MP Systems		Pro Electric	
					Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension
1	204.0115	Removing Curb and Gutter	LF	110	\$27.00	\$2,970.00	\$13.80	\$1,518.00	\$19.18	\$2,109.80	\$21.14	\$2,325.40
2	204.0155	Removing Concrete Sidewalk (incl. Ramps)	SY	103	\$12.00	\$1,236.00	\$17.25	\$1,776.75	\$19.18	\$1,975.54	\$27.00	\$2,811.00
3	204.0195	Removing Concrete Bases (Types: 1,2,7)	EA	9	\$198.00	\$1,782.00	\$150.00	\$1,350.00	\$207.70	\$1,869.30	\$314.66	\$2,831.94
4	602.0405	Concrete Sidewalk 4-inch	SF	326	\$6.00	\$1,956.00	\$14.95	\$4,873.70	\$13.13	\$4,280.38	\$20.35	\$6,634.10
5	602.0415	Concrete Sidewalk 6-inch (RAIMP)	SF	600	\$8.00	\$4,800.00	\$16.10	\$9,660.00	\$13.13	\$7,878.00	\$22.39	\$13,434.00
6	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	64	\$60.00	\$3,840.00	\$51.75	\$3,312.00	\$15.15	\$3,273.60	\$116.16	\$7,434.24
7	637.0202	Signs Reflective Type II	SF	30	\$77.16	\$2,314.80	\$65.50	\$1,965.00	\$58.77	\$1,763.10	\$68.20	\$2,046.00
8	646.0116	Pavement Marking, Epoxy 6-inch (Cross Walks)	LF	445	\$7.75	\$3,448.75	\$8.90	\$3,960.50	\$10.43	\$4,641.35	\$14.75	\$6,563.75
9	646.06	Pavement Marking, Epoxy 18-inch (Stop Bars)	LF	124	\$8.75	\$1,085.00	\$10.00	\$1,240.00	\$11.78	\$1,460.72	\$26.05	\$3,230.20
10	646.06	Removing Pavement Markings	LF	567	\$6.25	\$3,543.75	\$7.20	\$4,082.40	\$8.41	\$4,768.47	\$9.46	\$5,363.82
11	652.0225	Conduit Rigid Nonmetallic Schueleule 40, 2-Inch	LF	31	\$6.60	\$204.60	\$5.00	\$155.00	\$6.93	\$214.83	\$6.17	\$191.27
12	652.024	Conduit Rigid Nonmetallic Schueleule 40, 4-Inch	LF	88	\$7.85	\$690.80	\$8.00	\$704.00	\$7.05	\$620.40	\$7.71	\$678.48
13	652.0605	Conduit Special, 2-Inch	LF	684	\$14.10	\$9,644.40	\$20.00	\$13,680.00	\$20.53	\$14,042.52	\$21.10	\$14,432.40
14	652.0625	Conduit Special, 4-Inch	LF	327	\$22.33	\$7,301.91	\$30.00	\$9,810.00	\$37.81	\$12,363.87	\$33.22	\$10,862.94
15	653.0135	Pull Boxes Steel 24 x 36 - Inch, Grounded	EA	11	\$808.75	\$8,896.25	\$700.00	\$7,700.00	\$714.77	\$7,862.47	\$771.59	\$8,487.49
16	653.0905	Removing Pull Boxes	EA	11	\$110.65	\$1,217.15	\$75.00	\$825.00	\$94.04	\$1,034.44	\$117.92	\$1,297.12
17	654.0101	Concrete Bases Type 1	EA	3	\$658.00	\$1,974.00	\$550.00	\$1,650.00	\$567.58	\$1,702.74	\$667.73	\$2,003.19
18	654.0102	Concrete Bases Type 2	EA	5	\$833.75	\$4,168.75	\$870.00	\$4,350.00	\$900.09	\$4,500.45	\$854.20	\$4,271.00
19	654.0215	Concrete Control Cabinet Base Type 9	EA	1	\$1,648.45	\$1,648.45	\$1,300.00	\$1,300.00	\$1,532.34	\$1,532.34	\$1,612.63	\$1,612.63
20	655.029	Cable Traffic Signal 21-14 AWG	LF	775	\$2.94	\$2,278.50	\$3.50	\$2,712.50	\$4.43	\$3,433.25	\$3.32	\$2,573.00
21	655.0515	Electrical Wire Traffic Signals No. 10 AWG	LF	1850	\$0.83	\$1,535.50	\$0.80	\$1,480.00	\$0.78	\$1,443.00	\$1.51	\$2,793.50
22	655.061	Electrical Wire Lighting, 12 AWG	LF	480	\$0.81	\$388.80	\$0.70	\$336.00	\$0.59	\$283.20	\$0.67	\$321.60
23	655.062	Electrical Wire Lighting, 8 AWG	LF	785	\$1.11	\$871.35	\$1.00	\$785.00	\$1.06	\$832.10	\$0.88	\$690.80
24	655.063	Electrical Wire Lighting, 4 AWG	LF	1570	\$1.60	\$2,512.00	\$1.80	\$2,826.00	\$1.64	\$2,574.80	\$1.43	\$2,245.10
25	657.01	Pedestal Bases	EA	3	\$163.75	\$491.25	\$197.00	\$591.00	\$177.70	\$533.10	\$229.92	\$689.76
26	657.0255	Transformer Bases Breakaway 11 1/2 Belt Circle	EA	5	\$341.00	\$1,705.00	\$414.00	\$2,070.00	\$339.24	\$1,696.20	\$388.09	\$1,940.45
27	657.03	Microwave Based Detection System (Furn./Install)	EA	2	\$7,035.30	\$14,070.60	\$9,742.00	\$19,484.00	\$10,410.20	\$20,820.40	\$10,497.98	\$20,995.96
28	657.0305	Poles Type 2 - Aluminum	EA	1	\$1,299.75	\$1,299.75	\$1,339.00	\$1,339.00	\$1,434.32	\$1,434.32	\$1,422.25	\$1,422.25
29	657.031	Poles Type 3 - Aluminum	EA	4	\$2,890.40	\$11,561.60	\$3,356.00	\$13,424.00	\$3,386.27	\$13,545.08	\$3,153.36	\$12,613.44
30	657.0425	Traffic Signal Standard Aluminum 15-FT	EA	3	\$361.10	\$1,083.30	\$521.00	\$1,563.00	\$604.79	\$1,814.37	\$607.16	\$1,821.48
31	657.0585	Trombone Arms 15 Foot	EA	4	\$856.50	\$3,426.00	\$1,265.00	\$5,060.00	\$1,427.94	\$5,711.76	\$1,147.95	\$4,591.80
32	657.061	Luminaire Arms Single Member 4-1/2 Inch Clamp 6-FT	EA	4	\$163.75	\$655.00	\$223.00	\$892.00	\$187.11	\$748.44	\$235.89	\$943.56
33	658.011	Traffic Signal Face 3-12 Inch - Verticle	EA	4	\$637.50	\$2,550.00	\$612.00	\$2,448.00	\$605.51	\$2,422.04	\$581.19	\$2,324.76
34	658.012	Traffic Signal Face 5-12 Inch - Verticle	EA	4	\$934.50	\$3,738.00	\$814.00	\$3,256.00	\$805.23	\$3,220.92	\$720.49	\$2,881.96
35	658.0165	Traffic Signal Face 5-12 Inch - Horizontal	EA	4	\$1,100.50	\$4,402.00	\$1,023.00	\$4,092.00	\$1,013.89	\$4,055.56	\$905.54	\$3,622.16
36	658.05	Pedestrian Push Buttons	EA	8	\$325.45	\$2,603.60	\$292.00	\$2,336.00	\$269.01	\$2,152.08	\$330.44	\$2,643.52
37	658.066	Countdown Pedestrian Signal Faces, LED	EA	8	\$445.10	\$3,560.80	\$417.00	\$3,336.00	\$407.07	\$3,256.56	\$419.98	\$3,359.84
38	658.5069	Signal Mounting Hardware (location)	LS	1	\$15,057.50	\$15,057.50	\$7,715.50	\$7,715.50	\$3,093.06	\$3,093.06	\$2,606.89	\$2,606.89
39	659.112	Luminaire Utility, LED B	EA	4	\$480.20	\$1,920.80	\$572.00	\$2,288.00	\$641.04	\$2,564.16	\$626.99	\$2,507.96
40	677.02	Video Detection System, 2-Camera	LS	1	\$17,526.40	\$17,526.40	\$21,107.00	\$21,107.00	\$21,083.93	\$21,083.93	\$20,845.69	\$20,845.69
41	678.0012	Supply & Install Fiber Optic Cable Outdoor Plant, 12-CT SM	LF	1888	\$2.32	\$4,380.16	\$1.36	\$2,567.68	\$1.44	\$2,718.72	\$3.66	\$6,910.08
42	678.03	Fiber Optic Splice, 12-CT SM	EA	1	\$1,454.00	\$1,454.00	\$1,970.00	\$1,970.00	\$1,986.58	\$1,986.58	\$1,743.05	\$1,743.05
43	678.04	Fiber Optic Termination, 12-CT SM	EA	1	\$1,118.00	\$1,118.00	\$1,208.00	\$1,208.00	\$1,225.99	\$1,225.99	\$1,068.51	\$1,068.51
44	SP.CON.CAB	Salvage Traffic Control Cabinet, Reinstall w/ Additional Equip.	LS	1	\$6,780.10	\$6,780.10	\$6,700.00	\$6,700.00	\$6,848.50	\$6,848.50	\$11,483.93	\$11,483.93
45	SP.POL.CAM	Police Camera System, Remove/Salvage & Reinstall	LS	1	\$1,076.00	\$1,076.00	\$2,400.00	\$2,400.00	\$1,059.55	\$1,059.55	\$6,572.47	\$6,572.47
46	SP.CONC.CG	Concrete Curb & Gutter, 30-Inch Type D With Asphalt	LF	110	\$50.00	\$5,500.00	\$62.10	\$6,831.00	\$76.73	\$8,440.30	\$134.36	\$14,779.60

Base Bid Total: \$176,268.62 \$194,730.03 \$196,892.29 \$233,474.09