

## 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

March 24, 2017

Legistar Item: 243-17

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

Dear Alderman McCarthy:

The Commissioner of Public Works, on Thursday, March 23, 2017, 2:00 P.M. (local time), received bids for Contract 20170007, Traffic Signal Replacement, and submits same for your approval. The following bids were received:

<u>Contractor</u>	<u>Base Bid</u>
MP Systems, Inc.	\$158,642.18
Outdoor Lighting	\$159,301.22

This public works project was estimated at \$175,000.00.

It is recommended that the contract be awarded to MP Systems, Inc. at their base bid of \$158,642.18.

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 John Dickert  
Tom Friedel  
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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March 24, 2017

243-17

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

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

RE: Bid award/funding breakdown  
2017 Traffic Signal Replacement – Liberty, Mound & Marquette:  
Contract #20170007

You received bids on the above contract with MP Systems, Inc., submitting the low bid in the amount of \$158,642.18.

We recommend you enter into a contract with MP Systems, 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	\$158,642.18
		Total	\$158,642.18

**2017 Traffic signal Replacement (#4851052)**

Owner: City of Racine

Solicitor: City of Racine

03/23/2017 02:00 PM CDT

Section Title	Line Item	Item Code	Item Description	UofM	Qty	MP Systems, Inc.		Outdoor Lighting	
						Unit Price	Extension	Unit Price	Extension
Section 1									
	1	204.0155	Removing Concrete Sidewalk	Sq. Yds.	160	\$19.98	\$3,196.80	\$18.10	\$2,896.00
	2	204.0195	Removing Concrete Bases	Each	10	\$113.15	\$1,131.50	\$265.00	\$2,650.00
	3	602.0405	Concrete Sidewalk 4-Inch	Sq. Ft.	880	\$7.46	\$6,564.80	\$8.55	\$7,524.00
	4	602.0415	Concrete Sidewalk 6-Inch	Sq. Ft.	556	\$8.70	\$4,837.20	\$8.85	\$4,920.60
	5	643.01	Traffic Control - Collector/Arterial Streets (site)	Lump Sum	1	\$9,888.00	\$9,888.00	\$15,044.00	\$15,044.00
	6	646.06	Removing Pavement Marking	Lin. Ft.	57	\$11.81	\$673.17	\$9.50	\$541.50
	7	647.0573	Pavement Marking, Stop Line, Paint, 24-Inch	Lin. Ft.	35	\$33.56	\$1,174.60	\$27.00	\$945.00
	8	647.0763	Pavement Marking, Crosswalk, Paint, 6-Inch	Lin. Ft.	79	\$14.92	\$1,178.68	\$12.00	\$948.00
	9	652.0225	Conduit Rigid Nonmetallic Schedule 40, 2-Inch	Lin. Ft.	131	\$4.75	\$622.25	\$5.97	\$782.07
	10	652.0235	Conduit Rigid Nonmetallic Schueule 40, 3-Inch	Lin. Ft.	6	\$5.90	\$35.40	\$7.10	\$42.60
	11	652.0615	Conduit Special 3-Inch	Lin. Ft.	80	\$23.65	\$1,892.00	\$17.55	\$1,404.00
	12	652.0625	Conduit Special 4-Inch	Lin. Ft.	389	\$26.89	\$10,460.21	\$21.05	\$8,188.45
	13	653.0135	Pull Boxes Steel 24 x 36 - Inch, Grounded	Each	7	\$713.96	\$4,997.72	\$831.80	\$5,822.60
	14	653.0905	Removing Pull Boxes	Each	1	\$94.18	\$94.18	\$91.50	\$91.50
	15	654.0101	Concrete Bases Type 1	Each	10	\$567.66	\$5,676.60	\$670.20	\$6,702.00
	16	654.0102	Concrete Bases Type 2	Each	4	\$862.43	\$3,449.72	\$843.20	\$3,372.80
	17	654.0215	Concrete Control Cabinet Base Type 9	Each	1	\$1,530.61	\$1,530.61	\$1,569.50	\$1,569.50
	18	655.029	Cable Traffic Signal 21-14 AWG	Lin. Ft.	1230	\$2.96	\$3,640.80	\$2.62	\$3,222.60
	19	655.0515	Electrical Wire Traffic Signals No. 10 AWG	Lin. Ft.	2450	\$0.61	\$1,494.50	\$0.96	\$2,352.00
	20	655.061	Electrical Wire Lighting, 12 AWG	Lin. Ft.	390	\$0.50	\$195.00	\$0.62	\$241.80
	21	655.062	Electrical Wire Lighting, 8 AWG	Lin. Ft.	500	\$0.90	\$450.00	\$1.15	\$575.00
	22	655.063	Electrical Wire Lighting, 4 AWG	Lin. Ft.	1000	\$1.56	\$1,560.00	\$1.62	\$1,620.00
	23	655.07	Loop Detector Lead In Cable	Lin. Ft.	200	\$1.09	\$218.00	\$1.48	\$296.00
	24	656.02	Electric Service Meter Breaker Pedestal (location)	Lump Sum	1	\$1,159.84	\$1,159.84	\$888.50	\$888.50
	25	657.01	Pedestal Bases	Each	10	\$205.52	\$2,055.20	\$193.50	\$1,935.00
	26	657.0255	Transformer Bases Breakaway 11 1/2 Bolt Circle	Each	4	\$400.10	\$1,600.40	\$350.50	\$1,402.00
	27	657.0305	Poles Type 2 - Aluminum	Each	1	\$1,742.95	\$1,742.95	\$1,699.50	\$1,699.50
	28	657.031	Poles Type 3 - Aluminum	Each	3	\$2,917.55	\$8,752.65	\$2,664.50	\$7,993.50
	29	657.041	Traffic Signal Standard Aluminum 9-FT	Each	3	\$494.14	\$1,482.42	\$387.50	\$1,162.50
	30	657.042	Traffic Signal Standard Aluminum 13-FT	Each	6	\$643.02	\$3,858.12	\$429.50	\$2,577.00
	31	657.0425	Traffic Signal Standard Aluminum 15-FT	Each	1	\$717.60	\$717.60	\$492.50	\$492.50
	32	657.0585	Trombone Arms 15 Foot	Each	2	\$1,605.76	\$3,211.52	\$1,045.20	\$2,090.40
	33	657.061	Luminaire Arms Single Member 4 1/2 Inch Clamp 6-FT	Each	4	\$300.67	\$1,202.68	\$240.50	\$962.00
	34	658.011	Traffic Signal Face 3-12 Inch - Verticle (LED)	Each	10	\$575.68	\$5,756.80	\$636.00	\$6,360.00
	35	658.011 SP	Traffic Signal Face 3-12 Inch - Verticle (Programmable Visibilit	Each	4	\$3,660.00	\$14,640.00	\$3,311.00	\$13,244.00
	36	658.0155	Traffic Signal Face 3-12 Inch - Horizontal (LED)	Each	2	\$575.68	\$1,151.36	\$636.00	\$1,272.00
	37	658.0215	Backplates Signal Face 3 section 12-Inch	Each	16	\$92.98	\$1,487.68	\$115.00	\$1,840.00
	38	658.05	Pedestrian Push Buttons	Each	7	\$255.36	\$1,787.52	\$326.80	\$2,287.60
	39	658.066	Countdown Pedestrian Signal Faces, (LED)	Each	7	\$422.36	\$2,956.52	\$472.80	\$3,309.60
	40	658.5069	Signal Mounting Hardware (location)	Lump Sum	1	\$2,932.43	\$2,932.43	\$3,376.50	\$3,376.50
	41	677.02	Video Detection System, 2-Camera	Lump Sum	1	\$16,472.30	\$16,472.30	\$15,262.60	\$15,262.60
	42	SP.LUM.B	Luminaire Utility, LED B	Each	4	\$847.32	\$3,389.28	\$735.20	\$2,940.80
			Traffic Signal Controller 8-Phase (3808M52) Control Cabinet						
	43	SP.TR.CC	EL-712	Each	1	\$17,323.17	\$17,323.17	\$16,453.20	\$16,453.20
<b>Base Bid Total:</b>							<b>\$158,642.18</b>	<b>\$159,301.22</b>	