

June 7, 2018

TO THE BOARD OF PUBLIC WORKS  
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 8 to Musson Bros., Inc., P.O. Box 818, Rhinelander, WI 54501 for River Valley Rd. Sanitary Sewer Extension And Fire Station No. 3 Access Rd.

Contract No. 4014		6/20/2017		Original			\$ 467,051.00
				Ammended			\$ 494,642.12
Item No	Bid Quantity	Completed Quantity	Description	Cost	Per Unit	Amount	
1	740	776.00	Lin. Ft. 10" Sanitary Sewer	@ \$ 103.00	Lin. Ft.	\$79,928.00	
2	660	651.00	Lin. Ft. 8" Sanitary Sewer	@ \$ 70.00	Lin. Ft.	\$45,570.00	
3	30	0	Lin. Ft. 6" Sanitary Lateral	@ \$ 65.00	Lin. Ft.	\$0.00	
4	160	160	Lin. Ft. Steel Casing	@ \$ 500.00	Lin. Ft.	\$80,000.00	
5	80	55.60	Vert. Ft. 48" Sanitary Manhole	@ \$ 470.00	Vert. Ft.	\$26,132.00	
6	12.5	9.60	Vert. Ft. 48" Sanitary Manhole with Outside Drop	@ \$ 650.00	Vert. Ft.	\$6,240.00	
7	60	40	Sq. Yds. Pipe Insulation - 2-inch Extruded Polystyrene	@ \$ 28.00	Sq. Yd.	\$1,120.00	
8	1	1	Inside Drop	@ \$ 3,500.00	Each	\$3,500.00	
9	9	7	Chimney Seal	@ \$ 550.00	Each	\$3,850.00	
10	1	1	20-Inch Water Main Offset	@ \$ 8,000.00	Each	\$8,000.00	
11	1	0	8-Inch Water Main Offset	@ \$ 4,000.00	Each	\$0.00	
12	132	129.04	Lin. Ft. of 24-Inch Storm Sewer (R.C.S.P)	@ \$ 75.00	Lin. Ft.	\$9,678.00	
13	25	23.67	Lin. Ft. of 12-Inch Storm Sewer (R.C.S.P)	@ \$ 59.00	Lin. Ft.	\$1,396.53	
14	4	4	24-Inch End Wall	@ \$ 760.00	Each	\$3,040.00	
15	1	1	12-Inch End Wall	@ \$ 600.00	Each	\$600.00	
16	1	1	Storm Inlet	@ \$ 3,700.00	Each	\$3,700.00	
17	60	50	Cu. Yds. Slurry Backfill	@ \$ 60.00	Cu. Yd.	\$3,000.00	
18	1300	900.5	Sq. Yds of Geotextile Fabric, Type SAS	@ \$ 3.00	Sq. Yd.	\$2,701.50	
19	1100	990	Cu. Yds of Unclassified Excavation	@ \$ 8.40	Cu. Yd.	\$8,316.00	
20	550	687.75	Tons of 1 1/4-Inch Dense Aggregate	@ \$ 16.00	Ton	\$11,004.00	
21	200	669.15	Tons of 1 1/4-Inch Crushed Stone Backfill (Includes Undercut)	@ \$ 22.00	Ton	\$14,721.30	
22	800	0	Pavement Patching, Temporary, 2-Inch	@ \$ 9.00	Sq. Ft.	\$0.00	
23	210	320	Tons of HMA Pavement Type 3 Lt 58-28 H	@ \$ 85.00	Ton	\$27,182.15	

24	140	278	Tons of HMA Pavement Type 5 Lt 58-28 H	@	\$	100.00	Ton	\$27,801.00
25	600	1,218.5	Pavement Removal	@	\$	5.00	Sq. Yd.	\$6,092.26
26	760	878.4	Lin. Ft. of Concrete Curb and Gutter	@	\$	12.00	Lin. Ft.	\$10,540.80
27	500	660	Lin. Ft. of Shapping and Grading	@	\$	10.00	Lin. Ft.	\$6,600.00
28	250	533	Lin. Ft. of Saw Cutting	@	\$	3.00	Lin. Ft.	\$1,599.00
29	800	2,076	Topsoil and Sod (Includes Stripping)	@	\$	12.00	Sq. Yd.	\$24,912.16
30	2200	2,483	Lin. Ft. of Silt Fence, Delivered, Installed and maintained	@	\$	2.00	Lin. Ft.	\$4,966.00
31	10	18	Straw Bales Delivered, Installed and Maintained	@	\$	25.00	Each	\$450.00
32	4	0	Filter Fabric Inlet Protection	@	\$	75.00	Each	\$0.00
33	12	12	WisDOT Item 634.0616, Posts Wood 4x6-Inch x 16-FT	@	\$	120.00	Each	\$1,440.00
34	132	132	WisDOT Item 637.2210, Signs Type II Reflective H	@	\$	35.00	Sq. Ft.	\$4,620.00
35	2	2	WisDOT Item 638.2102, Moving Signs Type II	@	\$	200.00	Each	\$400.00
36	4	4	WisDOT Item 638.3000, Removing Small Sign Supports	@	\$	50.00	Each	\$200.00
37	750	583.9	WisDOT Item 652.0225, Conduit Rigid Nonmetallic Schedule 40, 2-Inch	@	\$	4.50	Lin. Ft.	\$2,627.55
38	450	0	WisDOT Item 652.0605, Conduit Special 2-Inch (Direct Bore)	@	\$	13.00	Lin. Ft.	\$0.00
39	13	6	WisDOT Item 653.0135, Pull Boxes Steel 24x36-Inch	@	\$	700.00	Each	\$4,200.00
40	6	0	WisDOT Item 654.0101, Concrete Bases Type 1	@	\$	615.00	Each	\$0.00
41	6000	0.0	WisDOT Item 655.0520, Electrical Wire Traffic Signals 8 AWG	@	\$	1.40	Lin. Ft.	\$0.00
42	6	6	WisDOT Item 657.0100, Pedestal Bases	@	\$	235.00	Each	\$1,410.00
43	6	6	WisDOT Item 657.0425, Traffic Signal Standards Aluminum 15-FT	@	\$	550.00	Each	\$3,300.00
44	12	12	WisDOT Item 658.0103, Traffic Signal Face 1 - 12-Inch Vertical	@	\$	180.00	Each	\$2,160.00
45	12	12	WisDOT Item 658.0210, Backplates Signal Face 1 Section 12-Inch	@	\$	88.00	Each	\$1,056.00
46	12	12	WisDOT Item 658.0605, LED Modules 12-Inch Yellow Ball	@	\$	75.00	Each	\$900.00
47	1	0	WisDOT Item 658.5069, Signal Mounting Hardware (All 6 poles, 12 Heads)	@	\$	1,900.00	Lump Sum	\$0.00
48	800	1,044	Pavement Marking Epoxy 4-Inch	@	\$	3.00	Lin. Ft.	\$3,132.00
49	50	50	Pavement Marking Epoxy 8-Inch	@	\$	6.00	Lin. Ft.	\$300.00
50	100	89	Pavement Marking Epoxy 18-Inch	@	\$	13.00	Lin. Ft.	\$1,157.00
51	4	4	Pavement Marking Arrows Epoxy Type 1	@	\$	150.00	Each	\$600.00
52	2	2	Pavement Marking Arrows Epoxy Type 2	@	\$	150.00	Each	\$300.00
53	1	0	Fire Station EVP Activated Flashing LED Beacon Control System	@	\$	7,000.00	Lump Sum	\$0.00

54	1	1.00	Traffic Control	@	\$ 15,000.00	Lump Sum	\$15,000.00
CO 1.1	0	776.00	Sewer backfill credit		\$ (20.00)	Lin. Ft.	-\$15,520.00
CO 1.2	0	1.00	Sewer manhole modification due to gas main conflict		\$ 1,187.97	Lump Sum	\$1,187.97
CO 1.3	0	613.90	WisDOT Item 655.0520, Electrical Wire		\$ 1.00	Lin. Ft.	\$613.90
CO 1.4	0	1.00	Traffic Signals 10 AWG		\$ 5,250.00	Lump Sum	\$5,250.00
CO 1.5	0	1.00	Signal mounting hardware for wireless solar EVP Beacon		\$ 34,241.00	Lump Sum	\$34,241.00
CO 1.6	0	6.00	Wireless Solar EVP Beacon System		\$ 571.00	Each	\$3,426.00
							<hr/>
			Total				\$494,642.12
			Less Retainage				<hr/> \$1,000.00
			Total				\$493,642.12
			Less Previously Paid				<hr/> \$455,896.66
			Total Amount Due				<hr/> \$37,745.46

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$37,745.46 be allowed.

Respectfully Submitted,



Fred V. Abadi, PhD., P.E.  
Director of Public Works