

November 19, 2015

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 10 (Final) to Stark Asphalt, 12845 W. Burlcigh Rd. Brookfield, WI 53005 for **REBID** -
Resurfacing of Asphalt Streets - 2014.

Contract No. 3866

5/6/2014

\$ 1,857,630.54

Item No	Quantity	Description	Cost	Per Unit	Amount
1	180	8-Inch PVC Sanitary Sewer	@ \$320.00	Each	\$57,600.00
2	27.75	3 - 48-Inch Diameter Sanitary Sewer Manhole with Outside Drop	@ \$1,000.00	Lin. Ft.	\$27,750.00
3	1	Remove MH 3112	@ \$9,000.00	Lump Sum	\$9,000.00
4	0	Slurry Backfill	@ \$220.00	Cu. Yd.	\$0.00
5	29	Storm Sewer Inlet Repair	@ \$385.00	Each	\$11,165.00
6	34	Storm Sewer Inlet Reconstruction (15 Inlets)	@ \$374.00	Vert. Ft.	\$12,716.00
7	0	Storm Sewer Manhole Chimney Repair (9 Manholes)	@ \$385.00	Vert. Ft.	\$0.00
8	16	Storm Sewer Manhole Chimney Replacement	@ \$1,200.00	Each	\$19,200.00
9	27	Sanitary Manhole Chimney Replacement	@ \$1,089.00	Each	\$29,403.00
10	27	Sanitary Manhole Internal Chimney Seals	@ \$440.00	Each	\$11,880.00
11	0	Concrete Collar Removal	@ \$275.00	Each	\$0.00
12	419	Sawcutting at Pavement Limits	@ \$2.42	Lin. Ft.	\$1,013.98
13	4,378.5	30-Inch Concrete Curb and Gutter Replacement	@ \$33.00	Lin. Ft.	\$144,490.50
14	8,562.5	Concrete Walk and Drive Approach Removal	@ \$1.38	Sq. Ft.	\$11,816.25
15	354.5	New 30-Inch Combination Concrete Curb and Gutter	@ \$22.00	Lin. Ft.	\$7,799.00
16	11,555.8	New 4-Inch Concrete Walk and Curb Ramps	@ \$4.51	Sq. Ft.	\$52,116.66
17	10	Concrete Pedestrian - Curb	@ \$60.00	Lin. Ft.	\$600.00
18	608	Detectable Warning Surface	@ \$44.00	Sq. Ft.	\$26,752.00
19	695.3	New 6-Inch Concrete Walk and Drive Approach	@ \$4.62	Sq. Ft.	\$3,212.29
20	0	New 7-Inch Concrete Walk and Drive Approach	@ \$11.00	Sq. Ft.	\$0.00
21	211.4	Concrete Median Sloped Nose	@ \$22.00	Sq. Ft.	\$4,650.80
22	17,000	Pavement Millings	@ \$1.50	Sq. Yd.	\$25,500.00
23	6,800	Pavement Milling - Full Depth	@ \$3.20	Sq. Yd.	\$21,760.00
24	4,138.9	Pavement Removal	@ \$7.15	Sq. Yd.	\$29,593.14
25	933.3	"Petrotac" (or equivalent)	@ \$7.50	Sq. Yd.	\$6,999.75
26	308	Asphalt Pavement Removal	@ \$4.95	Sq. Yd.	\$1,524.60
27	17,000	Foundation Preparation (per Sq. Yd. of Pavement Millings)	@ \$0.30	Sq. Yd.	\$5,100.00
28	17,000	Crackfilling (per Sq. Yd. of Pavement Millings)	@ \$0.50	Sq. Yd.	\$8,500.00
29	1,795.19	1¼-Inch Dense Aggregate	@ \$17.60	Ton	\$31,595.34
30	0	1¼-Inch Crushed Stone Backfill (Includes Undercut)	@ \$29.70	Ton	\$0.00
31	1,370.27	3-Inch Crushed Stone Backfill (Includes Undercut)	@ \$29.70	Ton	\$40,697.02
32	2,500	Geotextile Fabric, SAS	@ \$4.40	Sq. Yd.	\$11,000.00
33	2,000	Shaping and Grading of Roadway Base	@ \$14.00	Per Lin Ft	\$28,000.00
34	0	4-Inch HMA Driveway	@ \$9.00	Per Sq. Ft.	\$0.00
35	2,163.3	HMA Pavement, 12.5 mm, Type E-1, PG 58-28	@ \$54.90	Ton	\$118,765.17
36	1,433.07	HMA Pavement, 19.0 mm, Type E-1, PG 64-28	@ \$54.50	Ton	\$78,102.32
37	1,012.61	HMA Pavement, 12.5 mm, Type E-1, PG 64-28	@ \$61.00	Ton	\$61,769.21
38	948.71	HMA Pavement, 9.5 mm, Type E-1, PG 64-28	@ \$64.00	Ton	\$60,717.44
39	121.21	HMA Pavement for Patching, Type E-1 19.0 mm PG 58-28	@ \$80.00	Ton	\$9,696.80
40	0	HMA Pavement for Temporary Patching Patching	@ \$140.00	Ton	\$0.00
41	3,590.9	9-Inch Concrete Pavement - Doweled	@ \$40.70	Sq. Yd.	\$146,149.63
42	40	Extra Bags of Cement for High-Early-Strength Concrete	@ \$33.00	Sq. Yd.	\$1,320.00
43	1	Traffic Control - 2-Inch Resurfacing Streets	@ \$3,000.00	Lump Sum	\$3,000.00
44	1	Traffic Control - W. Moreland Blvd. and Pewaukee Road	@ \$18,000.00	Lump Sum	\$18,000.00
45	1	Traffic Control - W. Moreland Blvd. and N. Hine Avenue	@ \$3,000.00	Lump Sum	\$3,000.00

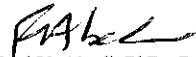
46	1	Traffic Control - Ellsworth Place	@	\$1,500.00	Lump Sum	\$1,500.00
47	0	Water Valve Adjustment	@	\$200.00	Each	\$0.00
48	4,378.7	Grooved in Place Pavement Markings, Yellow, Preformed Plastic, 4-Inch	@	\$3.25	Lin. Ft.	\$14,230.78
49	1,811.3	Grooved in Place Pavement Markings, White, Preformed Plastic, 4-Inch	@	\$3.25	Lin. Ft.	\$5,886.73
50	977	Grooved in Place Pavement Markings, White, Preformed Plastic, 8-Inch	@	\$5.56	Lin. Ft.	\$5,432.12
51	1,744.0	Grooved in Place Pavement Markings, Crosswalk, White, Thermoplastic Plastic, 6-Inch	@	\$16.23	Lin. Ft.	\$28,305.12
52	380.0	Grooved in Place Pavement Markings, Stop Line, White, Thermoplastic Plastic, 18-Inch	@	\$25.85	Lin. Ft.	\$9,823.00
53	210.0	Grooved in Place Pavement Markings, Ladder, White, Thermoplastic Plastic, 12-Inch	@	\$22.88	Lin. Ft.	\$4,804.80
54	121.2	Grooved in Place Pavement Markings, Yellow, Preformed Plastic, 12-Inch	@	\$20.90	Lin. Ft.	\$2,533.08
55	9	Grooved in Place Pavement Markings, Arrows, Type 2, White, Preformed Plastic	@	\$440.00	Each	\$3,960.00
56	6	Grooved in Place Pavement Markings, Words, ONLY, White, Preformed Plastic	@	\$544.50	Each	\$3,267.00
57	0	Grooved in Place Pavement Markings, Bike Lane Symbol, Preformed Plastic	@	\$374.00	Each	\$0.00
58	0	Grooved in Place Pavement Markings, Bike Lane Arrow, Preformed Plastic	@	\$286.00	Each	\$0.00
59	0	Pavement Markings, Island Nose, Epoxy, Yellow	@	\$8.80	Sq. Ft.	\$0.00
60	0	Pavement Markings, Curb, Epoxy, Yellow	@	\$8.80	Lin. Ft.	\$0.00
61	705	652.0225 - Conduit Rigid Nonmetallic Schedule 40 2-Inch	@	\$7.49	Lin. Ft.	\$5,280.45
62	1,583	652.0235 - Conduit Rigid Nonmetallic Schedule 40 3-Inch	@	\$8.42	Lin. Ft.	\$13,328.86
63	28	653.014 - Pull Boxes Steel 24x42-Inch	@	\$790.00	Each	\$22,120.00
64	18	654.0101 - Concrete Bases, Type 1	@	\$675.00	Each	\$12,150.00
65	8	654.0102 - Concrete Bases, Type 2	@	\$875.00	Each	\$7,000.00
66	1	654.0217.01 - Concrete Control Cabinet Bases Type 9 Special (Moreland & Hine)	@	\$1,740.00	Each	\$1,740.00
67	1	654.0217.02 - Concrete Control Cabinet Bases Type 9 Special (Moreland & Pewaukee)	@	\$1,740.00	Each	\$1,740.00
68	4,030	655.024 - Cable Traffic Signal 7-14 AWG	@	\$1.34	Lin. Ft.	\$5,400.20
69	2,414	655.026 - Cable Traffic Signal 12-14 AWG	@	\$1.77	Lin. Ft.	\$4,272.78
70	730	655.0305 - Cable, Type UF, 2-12 AWG Grounded	@	\$0.99	Lin. Ft.	\$722.70
71	3,443	655.0515 - Electrical Wire, Traffic Signals, 10 AWG	@	\$0.94	Lin. Ft.	\$3,236.42
72	931	655.061 - Electrical Wire, Lighting, 12 AWG	@	\$0.78	Lin. Ft.	\$726.18
73	1	656.0200.01 - Electrical Service Meter Breaker Pedestal (Moreland & Hine)	@	\$1,080.00	Lump Sum	\$1,080.00
74	1	656.0200.02 - Electrical Service Meter Breaker Pedestal (Moreland & Pewaukee)	@	\$1,080.00	Lump Sum	\$1,080.00
75	17	657.01 - Pedestal Bases	@	\$162.00	Each	\$2,754.00
76	8	657.0255 - Transformer Bases, Breakaway 11 1/2-Inch Bolt C	@	\$325.00	Each	\$2,600.00
77	2	657.0305 - Poles Type 2	@	\$1,450.00	Each	\$2,900.00
78	6	657.0315 - Poles Type 4	@	\$1,375.00	Each	\$8,250.00
79	2	657.0425 - Traffic Signal Standards, Aluminum, 15-FT	@	\$360.00	Each	\$720.00
80	9	657.043 - Traffic Signal Standards, Aluminum, 10-FT	@	\$290.00	Each	\$2,610.00
81	2	657.059 - Trombone Arms, 20-FT	@	\$1,030.00	Each	\$2,060.00
82	5	657.0704 - Luminaire Arms Single Member 4-Inch Clamp 8 - FT	@	\$186.00	Each	\$930.00
83	21	658.011 - Traffic Signal Faces, 3-12 Inch Vertical	@	\$522.00	Each	\$10,962.00
84	5	658.0115 - Traffic Signal Faces, 4-12 Inch Vertical	@	\$712.00	Each	\$3,560.00

85	21	658.0215 - Backplates, 3-Section 12-Inch	@	\$94.00	Each	\$1,974.00
86	5	658.022 - Backplates, 4-Section 12-Inch	@	\$105.00	Each	\$525.00
87	8	658.0416 – Pedestrian Signal Faces 16-Inch	@	\$320.00	Each	\$2,560.00
88	12	658.06 - LED Modules 12-Inch Red Ball	@	\$51.00	Each	\$612.00
89	12	658.0605 - LED Modules 12-Inch Yellow Ball	@	\$52.00	Each	\$624.00
90	12	658.061 - LED Modules 12-Inch Green Ball	@	\$53.00	Each	\$636.00
91	14	658.0615 - LED Modules 12-Inch Red Arrow	@	\$51.00	Each	\$714.00
92	28	658.062 - LED Modules 12-Inch Yellow Arrow	@	\$52.00	Each	\$1,456.00
93	5	658.0625 - LED Modules 12-Inch Green Arrow	@	\$53.00	Each	\$265.00
94	8	658.0635 - LED Modules Pedestrian Countdown Timer 16-Inch	@	\$145.00	Each	\$1,160.00
95	1	658.5069.01 – Signal Mounting Hardware (Moreland & Hine)	@	\$1,890.00	Lump Sum	\$1,890.00
96	1	658.5069.02 – Signal Mounting Hardware (Moreland & Pewaukee)	@	\$4,350.00	Lump Sum	\$4,350.00
97	1	SPV.0060.01 - Traffic Signal Controller and Cabinet, 8-Phase Fully Actuated (Moreland & Hine)	@	\$17,100.00	Each	\$17,100.00
98	1	SPV.0060.02 – Traffic Signal Controller and Cabinet, 8-Phase Fully Actuated (Moreland & Pewaukee)	@	\$17,100.00	Each	\$17,100.00
99	16	SPV.0060.03 – Pedestrian Push Buttons, Special	@	\$980.00	Each	\$15,680.00
100	6	SPV.0060.04 - LED Luminaire	@	\$852.00	Each	\$5,112.00
101	3	SPV.0060.05 – Concrete Bases Type 10, Contractor Supplies Anchor Bolts and Anchor Rod Template	@	\$3,600.00	Each	\$10,800.00
102	1	SPV.0060.06 – Concrete Bases Type 13, Contractor Supplied Anchor Bolts and Anchor Rod Template	@	\$7,900.00	Each	\$7,900.00
103	3	SPV.0060.07 – Poles Type 9	@	\$3,620.00	Each	\$10,860.00
104	1	SPV.0060.09 – Poles Type 13	@	\$9,880.00	Each	\$9,880.00
105	1	SPV.0060.10 – Monotube Arms 25-FT	@	\$3,100.00	Each	\$3,100.00
106	2	SPV.0060.11 – Monotube Arms 30-FT	@	\$3,320.00	Each	\$6,640.00
107	1	SPV.0060.12 – Monotube Arms 40-FT	@	\$7,300.00	Each	\$7,300.00
108	3	SPV.0060.13 – Contractor Provided High-Strength Bolt Assemblies for Monotube Arms Type 9 OR 10	@	\$345.00	Each	\$1,035.00
109	1	SPV.0060.14 – Contractor Provided High-Strength Bolt Assemblies for Monotube Arms Type 12 OR 13	@	\$780.00	Each	\$780.00
110	1	SPV.0060.15 – Luminaire Arms Steel 15 - FT	@	\$375.00	Each	\$375.00
111	1	SPV.0060.16 -- Video Monitor (Both Intersections)	@	\$460.00	Each	\$460.00
112	1	SPV.0105.01 – Video Vehicle Detection System (Moreland & Hine)	@	\$22,600.00	Lump Sum	\$22,600.00
113	1	SPV.0105.02 – Video Vehicle Detection System (Moreland & Pewaukee)	@	\$22,600.00	Lump Sum	\$22,600.00
114	1	SPV.0105.03 - Remove, Salvage and Reinstall Traffic Signal and Lighting Equipment (Moreland & Hine)	@	\$8,340.00	Lump Sum	\$8,340.00
115	1	SPV.0105.04 – Remove and Salvage Traffic Signal and Lighting Equipment (Moreland & Pewaukee)	@	\$3,440.00	Lump Sum	\$3,440.00
116	1	SPV.0105.05 – Emergency Vehicle Preemption Detection System (Moreland & Hine)	@	\$9,220.00	Lump Sum	\$9,220.00
117	1	SPV.0105.06 – Emergency Vehicle Preemption Detection System (Moreland & Pewaukee)	@	\$9,220.00	Lump Sum	\$9,220.00
118	1	SPV.0105.07 -- Furnish and Install Communication Cable	@	\$5,800.00	Lump Sum	\$5,800.00
119	1.0	SPV.0105.08 - Furnish and Install Overhead Sign Structure	@	\$18,700.00	Lump Sum	\$18,700.00
120	2,041.0	Topsoil and Sod (Includes Stripping)	@	\$7.70	Sq. Yd.	\$15,715.70
121	0	Silt Fence, Delivered, Installed and Maintained	@	\$5.50	Lin. Ft.	\$0.00
122	22	Straw Bales Delivered, Installed and Maintained	@	\$15.40	Each	\$338.80
123	42	Filter Fabric Inlet Protection	@	\$77.00	Each	\$3,234.00
Extra No. 1	3	Vacuum Excavate Type 10 Bases	@	\$1,200.00	Each	\$3,600.00

Extra No. 2	6.0	Cu. Yds. of Closure of Type 10 Bases with Slurry	@	\$88.00	Cu. Yd.	\$528.00
Extra No. 3	6	Traffic Signal Standard Aluminim, 13-Ft.	@	\$295.00	Each	\$1,770.00
Extra No. 4	2,829	Lin. Ft. of Street Light Cable, #4R44	@	\$2.20	Lin. Ft.	\$6,223.80
Extra No. 5	1	Additional Clean Up at N. Moreland Blvd.	@	\$5,230.00	Lump Sum	\$5,230.00
Extra No. 6	1	Vacumm Excavate Pverjead Sogm Base	@	\$1,300.00	Lump Sum	\$1,300.00
Subtotal						\$1,607,670.42
Less Retainage						\$0.00
Subtotal						\$1,607,670.42
Less Amount Previously Paid						\$1,563,687.76
Total Amount Due						\$43,982.66

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$43,982.66 be allowed.

Respectfully Submitted,



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