

September 18, 2014

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 3 to Stark Asphalt, 11710 W Hampton Ave., Milwaukee 53225 for **REBID - Resurfacing of Asphalt Streets - 2014.**

Contract No. 3866 5/6/2014 \$ 1,857,630.54

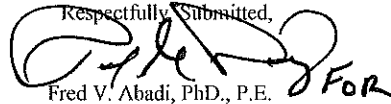
Item No	Quantity	Description		Cost	Per Unit	Amount
1	153	8-Inch PVC Sanitary Sewer	@	\$320.00	Each	\$48,960.00
2	25	3 - 48-Inch Diameter Sanitary Sewer Manhole with Outside Drop	@	\$1,000.00	Lin. Ft.	\$25,000.00
3	1	Remove MH 3112	@	\$9,000.00	Lump Sum	\$9,000.00
4	0	Slurry Backfill	@	\$220.00	Cu. Yd.	\$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	11	Storm Sewer Manhole Chimney Replacement	@	\$1,200.00	Each	\$13,200.00
9	22	Sanitary Manhole Chimney Replacement	@	\$1,089.00	Each	\$23,958.00
10	22	Sanitary Manhole Internal Chimney Seals	@	\$440.00	Each	\$9,680.00
11	0	Concrete Collar Removal	@	\$275.00	Each	\$0.00
12	175	Sawcutting at Pavement Limits	@	\$2.42	Lin. Ft.	\$423.50
13	2,700	30-Inch Concrete Curb and Gutter Replacement	@	\$33.00	Lin. Ft.	\$89,100.00
14	7,200	Concrete Walk and Drive Approach Removal	@	\$1.38	Sq. Ft.	\$9,936.00
15	0	New 30-Inch Combination Concrete Curb and Gutter	@	\$22.00	Lin. Ft.	\$0.00
16	3,500	New 4-Inch Concrete Walk and Curb Ramps	@	\$4.51	Sq. Ft.	\$15,785.00
17	0	Concrete Pedestrian - Curb	@	\$60.00	Lin. Ft.	\$0.00
18	160	Detectable Warning Surface	@	\$44.00	Sq. Ft.	\$7,040.00
19	0	New 6-Inch Concrete Walk and Drive Approach	@	\$4.62	Sq. Ft.	\$0.00
20	0	New 7-Inch Concrete Walk and Drive Approach	@	\$11.00	Sq. Ft.	\$0.00
21	40	Concrete Median Sloped Nose	@	\$22.00	Sq. Ft.	\$880.00
22	15,000	Pavement Millings	@	\$1.50	Sq. Yd.	\$22,500.00
23	6,800	Pavement Milling - Full Depth	@	\$3.20	Sq. Yd.	\$21,760.00
24	2,700	Pavement Removal	@	\$7.15	Sq. Yd.	\$19,305.00
25	0	"Petrotac" (or equivalent)	@	\$7.50	Sq. Yd.	\$0.00
26	0	Asphalt Pavement Removal	@	\$4.95	Sq. Yd.	\$0.00
27	0	Foundation Preparation (per Sq. Yd. of Pavement Millings)	@	\$0.30	Sq. Yd.	\$0.00
28	0	Crackfilling (per Sq. Yd. pf Pavement Millings)	@	\$0.50	Sq. Yd.	\$0.00
29	850.4	1¼-Inch Dense Aggregate	@	\$17.60	Ton	\$14,967.04
30	0	1¼-Inch Crushed Stone Backfill (Includes Undercut)	@	\$29.70	Ton	\$0.00
31	326	3-Inch Crushed Stone Backfill (Includes Undercut)	@	\$29.70	Ton	\$9,682.20
32	1,500	Geotextile Fabric, SAS	@	\$4.40	Sq. Yd.	\$6,600.00
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	0	HMA Pavement, 12.5 mm, Type E-1, PG 58-28	@	\$54.90	Ton	\$0.00
36	1,344.03	HMA Pavement, 19.0 mm, Type E-1, PG 64-28	@	\$54.50	Ton	\$73,249.64
37	1,012.61	HMA Pavement, 12.5 mm, Type E-1, PG 64-28	@	\$61.00	Ton	\$61,769.21
38	0	HMA Pavement, 9.5 mm, Type E-1, PG 64-28	@	\$64.00	Ton	\$0.00
39	75.73	HMA Pavement for Patching, Type E-1 19.0 mm PG 58-28	@	\$80.00	Ton	\$6,058.40
40	0	HMA Pavement for Temporary Patching	@	\$140.00	Ton	\$0.00
41	1,500	9-Inch Concrete Pavement – Doweled	@	\$40.70	Sq. Yd.	\$61,050.00
42	0	Extra Bags of Cement for High-Early-Strength Concrete	@	\$33.00	Sq. Yd.	\$0.00
43	0.5	Traffic Control - 2-Inch Resurfacing Streets	@	\$3,000.00	Lump Sum	\$1,500.00
44	0.5	Traffic Control - W. Moreland Blvd. and Pewaukee Road	@	\$18,000.00	Lump Sum	\$9,000.00

45	0.5	Traffic Control - W. Moreland Blvd. and N. Hine Avenue	@	\$3,000.00	Lump Sum	\$1,500.00
46	0.5	Traffic Control - Ellsworth Place	@	\$1,500.00	Lump Sum	\$750.00
47	0	Water Valve Adjustment	@	\$200.00	Each	\$0.00
48	0	Grooved in Place Pavement Markings, Yellow, Preformed Plastic, 4-Inch	@	\$3.25	Lin. Ft.	\$0.00
49	0	Grooved in Place Pavement Markings, White, Preformed Plastic, 4-Inch	@	\$3.25	Lin. Ft.	\$0.00
50	0	Grooved in Place Pavement Markings, White, Preformed Plastic, 8-Inch	@	\$5.56	Lin. Ft.	\$0.00
51	0	Grooved in Place Pavement Markings, Crosswalk, White, Thermoplastic Plastic, 6-Inch	@	\$16.23	Lin. Ft.	\$0.00
52	0	Grooved in Place Pavement Markings, Stop Line, White, Thermoplastic Plastic, 18-Inch	@	\$25.85	Lin. Ft.	\$0.00
53	0	Grooved in Place Pavement Markings, Ladder, White, Thermoplastic Plastic, 12-Inch	@	\$22.88	Lin. Ft.	\$0.00
54	0	Grooved in Place Pavement Markings, Yellow, Preformed Plastic, 12-Inch	@	\$20.90	Lin. Ft.	\$0.00
55	0	Grooved in Place Pavement Markings, Arrows, Type 2, White, Preformed Plastic	@	\$440.00	Each	\$0.00
56	0	Grooved in Place Pavement Markings, Words, ONLY, White, Preformed Plastic	@	\$544.50	Each	\$0.00
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	565	652.0225 – Conduit Rigid Nonmetallic Schedule 40 2-Inch	@	\$7.49	Lin. Ft.	\$4,231.85
62	1,230	652.0235 – Conduit Rigid Nonmetallic Schedule 40 3-Inch	@	\$8.42	Lin. Ft.	\$10,356.60
63	21	653.014 – Pull Boxes Steel 24x42-Inch	@	\$790.00	Each	\$16,590.00
64	14	654.0101 – Concrete Bases, Type 1	@	\$675.00	Each	\$9,450.00
65	6	654.0102 – Concrete Bases, Type 2	@	\$875.00	Each	\$5,250.00
66	1	654.0217.01 – Concrete Control Cabinet Bases Type 9 Special (Moreland & Hine)	@	\$1,740.00	Each	\$870.00
67	1	654.0217.02 – Concrete Control Cabinet Bases Type 9 Special (Moreland & Pewaukee)	@	\$1,740.00	Each	\$870.00
68	0	655.024 - Cable Traffic Signal 7-14 AWG	@	\$1.34	Lin. Ft.	\$0.00
69	0	655.026 – Cable Traffic Signal 12-14 AWG	@	\$1.77	Lin. Ft.	\$0.00
70	0	655.0305 - Cable, Type UF, 2-12 AWG Grounded	@	\$0.99	Lin. Ft.	\$0.00
71	0	655.0515 – Electrical Wire, Traffic Signals, 10 AWG	@	\$0.94	Lin. Ft.	\$0.00
72	0	655.061 – Electrical Wire, Lighting, 12 AWG	@	\$0.78	Lin. Ft.	\$0.00
73	0	656.0200.01 – Electrical Service Meter Breaker Pedestal (Moreland & Hine)	@	\$1,080.00	Lump Sum	\$0.00
74	0	656.0200.02 – Electrical Service Meter Breaker Pedestal (Moreland & Pewaukee)	@	\$1,080.00	Lump Sum	\$0.00
75	0	657.01 – Pedestal Bases	@	\$162.00	Each	\$0.00
76	0	657.0255 – Transformer Bases, Breakaway 11 1/2-Inch Bolt C	@	\$325.00	Each	\$0.00
77	0	657.0305 – Poles Type 2	@	\$1,450.00	Each	\$0.00
78	0	657.0315 – Poles Type 4	@	\$1,375.00	Each	\$0.00
79	0	657.0425 – Traffic Signal Standards, Aluminum, 15-FT	@	\$360.00	Each	\$0.00
80	0	657.043 - Traffic Signal Standards, Aluminum, 10-FT	@	\$290.00	Each	\$0.00
81	0	657.059 - Trombone Arms, 20-FT	@	\$1,030.00	Each	\$0.00
82	0	657.0704 – Luminaire Arms Single Member 4-Inch Clamp 8 - FT	@	\$186.00	Each	\$0.00

83	0	658.011 – Traffic Signal Faces, 3-12 Inch Vertical	@	\$522.00	Each	\$0.00
84	0	658.0115 - Traffic Signal Faces, 4-12 Inch Vertical	@	\$712.00	Each	\$0.00
85	0	658.0215 - Backplates, 3-Section 12-Inch	@	\$94.00	Each	\$0.00
86	0	658.022 - Backplates, 4-Section 12-Inch	@	\$105.00	Each	\$0.00
87	0	658.0416 – Pedestrian Signal Faces 16-Inch	@	\$320.00	Each	\$0.00
88	0	658.06 - LED Modules 12-Inch Red Ball	@	\$51.00	Each	\$0.00
89	0	658.0605 - LED Modules 12-Inch Yellow Ball	@	\$52.00	Each	\$0.00
90	0	658.061 - LED Modules 12-Inch Green Ball	@	\$53.00	Each	\$0.00
91	0	658.0615 - LED Modules 12-Inch Red Arrow	@	\$51.00	Each	\$0.00
92	0	658.062 - LED Modules 12-Inch Yellow Arrow	@	\$52.00	Each	\$0.00
93	0	658.0625 - LED Modules 12-Inch Green Arrow	@	\$53.00	Each	\$0.00
94	0	658.0635 - LED Modules Pedestrian Countdown Timer 16-Inch	@	\$145.00	Each	\$0.00
95	0	658.5069.01 – Signal Mounting Hardware (Moreland & Hine)	@	\$1,890.00	Lump Sum	\$0.00
96	0	658.5069.02 – Signal Mounting Hardware (Moreland & Pewaukee)	@	\$4,350.00	Lump Sum	\$0.00
97	0	SPV.0060.01 - Traffic Signal Controller and Cabinet, 8-Phase Fully Actuated (Moreland & Hine)	@	\$17,100.00	Each	\$0.00
98	0	SPV.0060.02 – Traffic Signal Controller and Cabinet, 8-Phase Fully Actuated (Moreland & Pewaukee)	@	\$17,100.00	Each	\$0.00
99	0	SPV.0060.03 – Pedestrian Push Buttons, Special	@	\$980.00	Each	\$0.00
100	0	SPV.0060.04 - LED Luminaire	@	\$852.00	Each	\$0.00
101	0	SPV.0060.05 – Concrete Bases Type 10, Contractor Supplied Anchor Bolts and Anchor Rod Template	@	\$3,600.00	Each	\$0.00
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	0	SPV.0060.07 – Poles Type 9	@	\$3,620.00	Each	\$0.00
104	0	SPV.0060.09 – Poles Type 13	@	\$9,880.00	Each	\$0.00
105	0	SPV.0060.10 – Monotube Arms 25-FT	@	\$3,100.00	Each	\$0.00
106	0	SPV.0060.11 – Monotube Arms 30-FT	@	\$3,320.00	Each	\$0.00
107	0	SPV.0060.12 – Monotube Arms 40-FT	@	\$7,300.00	Each	\$0.00
108	0	SPV.0060.13 – Contractor Provided High-Strength Bolt Assemblies for Monotube Arms Type 9 OR 10	@	\$345.00	Each	\$0.00
109	0	SPV.0060.14 – Contractor Provided High-Strength Bolt Assemblies for Monotube Arms Type 12 OR 13	@	\$780.00	Each	\$0.00
110	0	SPV.0060.15 – Luminaire Arms Steel 15 - FT	@	\$375.00	Each	\$0.00
111	0	SPV.0060.16 – Video Monitor (Both Intersections)	@	\$460.00	Each	\$0.00
112	0	SPV.0105.01 – Video Vehicle Detection System (Moreland & Hine)	@	\$22,600.00	Lump Sum	\$0.00
113	0	SPV.0105.02 – Video Vehicle Detection System (Moreland & Pewaukee)	@	\$22,600.00	Lump Sum	\$0.00
114	0.5	SPV.0105.03 - Remove, Salvage and Reinstall Traffic Signal and Lighting Equipment (Moreland & Hine)	@	\$8,340.00	Lump Sum	\$4,170.00
115	0.5	SPV.0105.04 – Remove and Salvage Traffic Signal and Lighting Equipment (Moreland & Pewaukee)	@	\$3,440.00	Lump Sum	\$1,720.00
116	0	SPV.0105.05 – Emergency Vehicle Preemption Detection System (Moreland & Hine)	@	\$9,220.00	Lump Sum	\$0.00
117	0	SPV.0105.06 – Emergency Vehicle Preemption Detection System (Moreland & Pewaukee)	@	\$9,220.00	Lump Sum	\$0.00
118	0	SPV.0105.07 – Furnish and Install Communication Cable	@	\$5,800.00	Lump Sum	\$0.00
119	0	SPV.0105.08 - Furnish and Install Overhead Sign Structure	@	\$18,700.00	Lump Sum	\$0.00
120	0	Topsoil and Sod (Includes Stripping)	@	\$7.70	Sq. Yd.	\$0.00
121	0	Silt Fence, Delivered, Installed and Maintained	@	\$5.50	Lin. Ft.	\$0.00
122	10	Straw Bales Delivered, Installed and Maintained	@	\$15.40	Each	\$154.00
123	10	Filter Fabric Inlet Protection	@	\$77.00	Each	\$770.00

Subtotal	\$676,867.44
Less Retainage	<u>\$33,843.37</u>
Subtotal	\$643,024.07
Less Amount Previously Paid	<u>\$183,577.48</u>
Total Amount Due	\$459,446.59

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$459,446.59 be allowed.

Respectfully Submitted,

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

Robin/Partials/Stark-3866