

November 19, 2015

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 5 to Zignego, Inc. W226 N2940 Duplainville Rd., Waukesha, WI 53186 for Summit Avenue - Phase 1 Utility and Street Improvements - **Concrete Pavement.**

Contract No. 3918

6/16/2015

\$ 1,263,142.03

Item No	Quantity	Description		Cost	Per Unit	Amount
1	249	12-Inch Water Main and Fittings	@	\$232.00	Lin. Ft.	\$57,768.00
2	18	6-Inch Water Main and Fittings	@	\$245.00	Lin. Ft.	\$4,410.00
3	1	Furnish and Install 12" Gate Valve	@	\$6,500.00	Each	\$6,500.00
4	1	Furnish and Install 6" Gate Valve	@	\$4,100.00	Each	\$4,100.00
5	1	Connect New Service Lateral (SL1)	@	\$3,200.00	Each	\$3,200.00
6	1	Connect Service Lateral (SL2)	@	\$3,400.00	Each	\$3,400.00
7	2	Connect Service Lateral (SL3)	@	\$4,250.00	Each	\$8,500.00
8	1	Abandon Valve Box	@	\$500.00	Each	\$500.00
9	12	8-Inch PVC Sanitary Sewer	@	\$710.00	Lin. Ft.	\$8,520.00
10	800	8-Inch CIPP Sewer Lining	@	\$30.00	Lin. Ft.	\$24,000.00
11	10	1 - 48-Inch Diameter Sanitary Sewer Manhole with Outside Drop	@	\$1,000.00	Vert. Ft.	\$10,000.00
12	0	Rehabilitate Manhole with Cementitious Liner	@	\$145.00	Vert. Ft.	\$0.00
13	10	Sanitary Lateral Cleanout	@	\$1,286.00	Each	\$12,860.00
14	10	Sanitary Lateral Cleaning and Pre-lining Video Inspection	@	\$262.00	Each	\$2,620.00
15	1	Sanitary Lateral Spot Repair (Up to 5 Feet of Repair at Each Spot)	@	\$3,000.00	Each	\$3,000.00
16	12	CIPP Lateral Lining Within 10 Feet of Sewer Main	@	\$2,430.00	Each	\$29,160.00
17	0	CIPP Lateral Lining Additional Length Over 10 Feet from Sewer Main	@	\$50.00	Lin. Ft.	\$0.00
18	0	Lateral Connection Test and Seal	@	\$525.00	Each	\$0.00
19	1,000	Pre-Paving Main Line Sewer Televising, Sanitary	@	\$2.00	Lin. Ft.	\$2,000.00
20	1,500	Pre-Paving Main Line Sewer Televising, Storm	@	\$3.00	Lin. Ft.	\$4,500.00
21	10	Pre-Paving Lateral Sewer Televising	@	\$260.00	Each	\$2,600.00
22	0	8-Inch Storm Sewer (PVC)	@	\$60.00	Lin. Ft.	\$0.00
23	270	12-Inch Storm Sewer (RCSP)	@	\$107.00	Lin. Ft.	\$28,890.00
24	220	15-Inch Storm Sewer (RCSP)	@	\$99.00	Lin. Ft.	\$21,780.00
25	26	18-Inch Storm Sewer (RCSP)	@	\$130.00	Lin. Ft.	\$3,380.00
26	90	19 Standard Storm Inlets	@	\$174.00	Vert. Ft.	\$15,660.00
27	20	3 Standard Storm Manholes	@	\$290.00	Vert. Ft.	\$5,800.00
28	0	Slurry Backfill	@	\$110.00	Cu. Yd.	\$0.00
29	1	Traffic Control (Including Detour) (100%)	@	\$40,000.00	Lump Sum	\$40,000.00
30	430	Sawcutting at Pavement Limits	@	\$2.00	Lin. Ft.	\$860.00
31	10.4	Chimney Replacement	@	\$300.00	Vert. Ft.	\$3,120.00
32	6	Chimney Seals	@	\$460.00	Each	\$2,760.00
33	2,800	Concrete Curb and Gutter Removal	@	\$1.00	Lin. Ft.	\$2,800.00
34	6,680	Pavement Removal	@	\$4.00	Sq. Yd.	\$26,720.00
35	4,175	1¼-Inch Dense Aggregate	@	\$12.00	Ton	\$50,100.00
36	20	1¼-Inch Crushed Stone Backfill (Includes Undercut)	@	\$24.00	Ton	\$480.00
37	295	3-Inch Crushed Stone Backfill (Includes Undercut)	@	\$24.00	Ton	\$7,080.00
38	515	Geotextile Fabric, Type SAS	@	\$2.00	Sq. Yd.	\$1,030.00


39	1,300	Shaping and Grading Roadway Base	@	\$50.00	Lin. Ft.	\$65,000.00
40	2,600	30-Inch Combination Concrete Curb and Gutter	@	\$12.86	Lin. Ft.	\$33,436.00
41	5,900	9-Inch Concrete Pavement, Doweled	@	\$35.20	Sq. Yd.	\$207,680.00
42	2,383	5-Inch HMA Pavement (Includes Asphalt Curb)	@	\$7.50	Sq. Ft.	\$17,872.50
43	936	4-Inch HMA Pavement	@	\$6.75	Sq. Ft.	\$6,318.00
44	10,900	Walk and Drive Approach Removal	@	\$1.00	Sq. Ft.	\$10,900.00
45	5,000	New 4-Inch Concrete Walk and Curb Ramps	@	\$4.00	Sq. Ft.	\$20,000.00
46	0	Concrete Curb - Pedestrian	@	\$50.00	Lin. Ft.	\$0.00
47	1,200	New 6-Inch Concrete Walk and Drive Approach	@	\$4.11	Sq. Ft.	\$4,932.00
48	1,494.7	New 7-Inch Concrete Walk and Drive Approach	@	\$5.00	Sq. Ft.	\$7,473.50
49	176	Detectable Warning Field	@	\$30.00	Sq. Ft.	\$5,280.00
50	0	Extra Bags of Cement for High-Early-Strength Concrete	@	\$10.00	Each	\$0.00
51	0	Grooved in Place Pavement Markings, Double Yellow, Preformed Plastic. 4-Inch	@	\$3.85	Lin. Ft.	\$0.00
52	0	Grooved in Place Pavement Markings, White 10-Ft Dash. 30-Ft Skip. Preformed Plastic. 4-Inch	@	\$3.85	Lin. Ft.	\$0.00
53	0	Grooved in Place Pavement Markings, White, Preformed Plastic. 8-Inch	@	\$6.95	Lin. Ft.	\$0.00
54	0	Grooved in Place Pavement Markings, White 3-Ft Dash. 9-Ft Skip. Preformed Thermoplastic. 8-Inch	@	\$13.00	Lin. Ft.	\$0.00
55	0	Grooved in Place Pavement Markings, White, Preformed Thermoplastic. 6-Inch	@	\$18.75	Lin. Ft.	\$0.00
56	0	Grooved in Place Pavement Markings, White, Preformed Thermoplastic. 18-Inch	@	\$30.00	Lin. Ft.	\$0.00
57	0	Grooved in Place Pavement Markings, Arrows, Type 2, White. Preformed Thermoplastic	@	\$550.00	Each	\$0.00
58	0	Grooved in Place Pavement Markings, Words, Only, White. Preformed Thermoplastic	@	\$710.00	Each	\$0.00
59	0	Valve Box Adjustments	@	\$150.00	Each	\$0.00
60	0	Topsoil and Sod (Includes Stripping)	@	\$10.05	Sq. Yd.	\$0.00
61	0	Silt Fence, Delivered, Installed and Maintained	@	\$2.02	Lin. Ft.	\$0.00
62	0	Straw Bales Delivered, Installed and Maintained	@	\$15.15	Each	\$0.00
63	0	Filter Fabric Inlet Protection	@	\$60.00	Each	\$0.00
64	0	Temporary Street Lighting	@	\$24,441.00	Lump Sum	\$0.00
65	900	Non Metallic Conduit, Street Light, Polyethylene Duct, 2-Inch	@	\$7.00	Lin. Ft.	\$6,300.00
66	1,200	Non Metallic Conduit, Communications, Polyethylene Duct. 3-Inch	@	\$9.00	Lin. Ft.	\$10,800.00
67	5	Street Light Pull Boxes, 15-Inch x 30-Inch	@	\$793.00	Each	\$3,965.00
68	10	Communications Pull Boxes, 24-Inch x 36-Inch	@	\$848.00	Each	\$8,480.00
69	6	Concrete Bases, Type 5	@	\$764.00	Each	\$4,584.00
70	1,000	Electrical Wire 10 AWG	@	\$1.00	Lin. Ft.	\$1,000.00
71	1,000	Electrical Wire 6 AWG	@	\$1.50	Lin. Ft.	\$1,500.00
72	3,000	Electrical Wire 4 AWG	@	\$2.00	Lin. Ft.	\$6,000.00
73	0	Install Fiber Optic Communications in Signal Cabinet	@	\$3,503.00	Each	\$0.00
74	0	Modify Traffic Signal, Intersection of N. Grandview Blvd & Summit Avenue	@	\$844.00	Lump Sum	\$0.00
75	0	Furnish and Install 6-CT Fiber Optic Cable	@	\$2.66	Lin. Ft.	\$0.00
76	0	Remove Existing Copper Communication Cable	@	\$1.10	Lin. Ft.	\$0.00
77	0	Furnish and Install Overhead Sign Structure	@	\$20,162.00	Lump Sum	\$0.00
78	120	Conduit Rigid Nonmetallic Schedule 40 2-Inch (WisDOT Pav Item 652.0225)	@	\$5.61	Lin. Ft.	\$673.20
79	800	Conduit Rigid Nonmetallic Schedule 40 3-Inch (WisDOT Pav Item 652.0235)	@	\$6.85	Lin. Ft.	\$5,480.00
80	10	Pull Boxes Steel 24x42-Inch (WisDOT Pay Item 653.0140)	@	\$803.16	Each	\$8,031.60

81	4	Concrete Bases Type 1 (WisDOT Pay Item 654.0101) @	\$578.27	Each	\$2,313.08
82	4	Concrete Bases Type 2 (WisDOT Pay Item 654.0102) @	\$881.81	Each	\$3,527.24
83	3	Concrete Bases Type 5 (WisDOT Pay Item 654.0105) @	\$760.00	Each	\$2,280.00
84	2	Concrete Bases Type 10 (WisDOT Pay Item 654.0110) @	\$4,314.41	Each	\$8,628.82
85	1	Concrete Control Cabinet Bases Type 9 Special (WisDOT Pay Item 654.0217) @	\$2,015.00	Each	\$2,015.00
86	0	Cable Traffic Signal 5-14 AWG (WisDOT Pay Item 655.0230) @	\$1.13	Lin. Ft.	\$0.00
87	0	Cable Traffic Signal 7-14 AWG (WisDOT Pay Item 655.0240) @	\$1.30	Lin. Ft.	\$0.00
88	0	Cable Traffic Signal 12-14 AWG (WisDOT Pay Item 655.0260) @	\$1.88	Lin. Ft.	\$0.00
89	0	Cable Type UF 2-10 AWG Grounded (WisDOT Pay Item 655.0320) @	\$0.91	Lin. Ft.	\$0.00
90	0	Electrical Wire Traffic Signals 10 AWG (WisDOT Pay Item 655.0515) @	\$0.81	Lin. Ft.	\$0.00
91	0	Electrical Wire Lighting 10 AWG (WisDOT Pay Item 655.0615) @	\$0.81	Lin. Ft.	\$0.00
92	1	Electrical Service Meter Breaker Pedestal USH 18 & Moreland Boulevard (WisDOT Pay Item 656.0200.01) @	\$1,230.38	Lump Sum	\$1,230.38
93	4	Pedestal Bases (WisDOT Pay Item 657.0100) @	\$240.60	Each	\$962.40
94	5	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle (WisDOT Pay Item 657.0255) @	\$402.72	Each	\$2,013.60
95	2	Poles Type 2 (WisDOT Pay Item 657.0305) @	\$1,354.36	Each	\$2,708.72
96	2	Poles Type 3 (WisDOT Pay Item 657.0310) @	\$2,755.22	Each	\$5,510.44
97	2	Poles Type 5 - Aluminum (WisDOT Pay Item 657.0322) @	\$1,300.00	Each	\$2,600.00
98	0	Traffic Signal Standards Aluminum 3.5-Ft (WisDOT Pay Item 657.0405) @	\$191.30	Each	\$0.00
99	4	Traffic Signal Standards Aluminum 15-Ft (WisDOT Pay Item 657.0425) @	\$596.00	Each	\$2,384.00
100	2	Trombone Arms 15-Ft (WisDOT Pay Item 657.0585) @	\$1,431.77	Each	\$2,863.54
101	4	Luminaire Arms Single Member 4-Inch Clamp 6-Ft (WisDOT Pay Item 657.0609) @	\$262.63	Each	\$1,050.52
102	16	Traffic Signal Face 3-12 Inch Vertical (WisDOT Pay Item 658.0110) @	\$446.71	Each	\$7,147.36
103	4	Traffic Signal Face 4-12 Inch Vertical (WisDOT Pay Item 658.0115) @	\$552.00	Each	\$2,208.00
104	16	Backplates Signal Face 3 Section 12-Inch (WisDOT Pay Item 658.0215) @	\$94.82	Each	\$1,517.12
105	4	Backplates Signal Face 4 Section 12-Inch (WisDOT Pay Item 658.0220) @	\$101.31	Each	\$405.24
106	8	Pedestrian Signal Face 16-Inch (WisDOT Pay Item 658.0416) @	\$311.64	Each	\$2,493.12
107	0	Pedestrian Push Buttons (WisDOT Pay Item 658.0500) @	\$292.12	Each	\$0.00
108	12	LED Modules 12-Inch Red Ball (WisDOT Pay Item 658.0600) @	\$53.18	Each	\$638.16
109	12	LED Modules 12-Inch Yellow Ball (WisDOT Pay Item 658.0605) @	\$54.48	Each	\$653.76
110	12	LED Modules 12-Inch Green Ball (WisDOT Pay Item 658.0610) @	\$55.77	Each	\$669.24
111	8	LED Modules 12-Inch Red Arrow (WisDOT Pay Item 658.0615) @	\$53.18	Each	\$425.44
112	16	LED Modules 12-Inch Yellow Arrow (WisDOT Pay Item 658.0620) @	\$54.48	Each	\$871.68

113	4	LED Modules 12-Inch Green Arrow (WisDOT Pay Item 658.0625)	@	\$55.77	Each	\$223.08
114	8	LED Modules Pedestrian Countdown Timer 16-Inch (WisDOT Pav Item 658.0635)	@	\$272.00	Each	\$2,176.00
115	1	Signal Mounting Hardware USH 18 & Moreland Boulevard (WisDOT Pay Item 658.5069.01)	@	\$3,746.47	Lump Sum	\$3,746.47
116	6	Luminaires Utility LED C	@	\$732.43	Each	\$4,394.58
117	2	Poles Type 9 (SPV.0060.01)	@	\$5,180.42	Each	\$10,360.84
118	2	Monotube Arms 30-Ft (SPV.0060.02)	@	\$3,500.00	Each	\$7,000.00
119	1	Traffic Signal Controller and Cabinet 8-Phase Fully Actuated (SPV.0060.03)	@	\$22,350.00	Each	\$22,350.00
120	1	Video Vehicle Detection System USH 18 & Moreland Boulevard (SPV.0105.01)	@	\$26,257.63	Each	\$26,257.63
121	1	Emergency Vehicle Preemption System USH 18 & Moreland Boulevard (SPV.0105.02)	@	\$9,783.26	Each	\$9,783.26
122	1	Remove Traffic Signals USH 18 & Moreland Boulevard (SPV.0105.03)	@	\$3,295.00	Lump Sum	\$3,295.00
Subtotal						\$980,507.52
Less Retainage						\$31,500.00
Subtotal						\$949,007.52
Less Amount Previously Paid						\$773,419.24
Total Amount Due						\$175,588.28

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$175,588.28 be allowed.

Respectfully Submitted,


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