

August 3, 2017

TO THE BOARD OF PUBLIC WORKS  
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 3 to Zignego, Inc., W226 N2940 Duplainville Rd., Waukesha, WI 53186 for  
Arcadian Avenue Utility And Street Improvements - **Concrete Pavement.**

Contract No. 4001

4/14/2017

\$ 1,866,956.18

Item No	Bid Quantity	Completed Quantity	Description	Cost	Per Unit	Amount
1	840	828	Lin. Ft. of 12-Inch Water Main and Fittings @	Lin. Ft.	\$ 85.00	\$70,380.00
			Lin. Ft. of 12-Inch D.I. Water Main and Fittings @	Lin. Ft.	\$ 367.00	\$6,606.00
2	40	18				
3	570	438	Lin. Ft. of 8-Inch Water Main and Fittings @	Lin. Ft.	\$ 112.50	\$49,275.00
4	10	0	Lin. Ft. of 6-Inch D.I. Water Main and Fittings @	Lin. Ft.	\$ 195.00	\$0.00
5	6	4	Furnish and Install 12" Gate Valve & Box @	Each	\$ 2,115.00	\$8,460.00
6	5	5	Furnish and Install 8" Gate Valve & Box @	Each	\$ 1,243.00	\$6,215.00
7	2	2	Furnish and Install Hydrant Assembly @	Each	\$ 4,630.00	\$9,260.00
			Furnish and Install 6" D.I. Lead or 6" - 90°			\$4,657.00
8	2	1	Swivel x Swivel and Hydrant @	Each	\$ 4,657.00	
9	4	0	Connect Service Lateral (SL1) @	Each	\$ 1,602.00	\$0.00
10	11	0	Connect Service Lateral (SL2) @	Each	\$ 2,576.00	\$0.00
11	3	3	Connect Service Lateral (WWU Tap) (SL3) @	Each	\$ 3,241.00	\$9,723.00
12	3	3	Connect Service Lateral (WWU Tap) (SL4) @	Each	\$ 3,631.00	\$10,893.00
13	3	0	Connect Service Lateral (SL5) @	Each	\$ 1,662.00	\$0.00
14	2	2	"Connect Service Lateral (WWU Tap) (SL6) @	Each	\$ 2,278.00	\$4,556.00
15	1	1	Connect Service Lateral (SL7) @	Each	\$ 5,330.00	\$5,330.00
16	2	0	Furnish and Install Curb Boxes and Rods where needed @	Each	\$ 800.00	\$0.00
17	2	0	Furnish and Install Curb Stops where needed @	Each	\$ 580.00	\$0.00
18	6	2	Abandon Existing Hydrants @	Each	\$ 500.00	\$1,000.00
19	1	0	Abandon Valve Boxes & Manholes @	Lump Sum	\$ 1,000.00	\$0.00
20	132	136	Lin Ft of 18-Inch Sanitary Sewer (PVC) @	Lin. Ft.	\$ 193.50	\$26,316.00
21	1659	1,403	Lin Ft of 8-Inch Sanitary Sewer (PVC) @	Lin. Ft.	\$ 99.00	\$138,897.00
22	585	486.5	6-Inch Lateral Replacement (Open Cut) @	Lin. Ft.	\$ 110.00	\$53,515.00
23	35	0	6-Inch Lateral Replacement (Pipe Bursting) @	Lin. Ft.	\$ 53.00	\$0.00
			Excavation and Lateral Connection at Right-of-Way (Pipe Bursting) @	Each	\$ 1,173.00	\$0.00
24	1	0				
25	100	80.21	Vert. Ft. of Sanitary Manhole @	Vert. Ft.	\$ 278.00	\$22,298.38
26	1400	365	Lin. Ft. of 8-Inch Sanitary Sewer Lining (CIPP) @	Lin. Ft.	\$ 21.00	\$7,665.00
27	2	0	Sanitary Sewer Spot Repair @	Each	\$ 4,000.00	\$0.00
28	36	0	Sanitary Lateral Reinstatement @	Each	\$ 150.00	\$0.00
29	25	0	Sanitary Lateral Connection Test and Seal @	Each	\$ 248.00	\$0.00
30	11	0	Sanitary Lateral Televising - Preconstruction @	Each	\$ 225.00	\$0.00
31	11	0	Sanitary Lateral Cleanout @	Each	\$ 1,325.00	\$0.00
32	11	0	Sanitary Lateral Cleaning and Prelining Video Inspection @	Each	\$ 225.00	\$0.00
33	2	0	Sanitary Lateral Spot Repair @	Each	\$ 3,300.00	\$0.00
34	11	0	Sanitary Lateral Lining (CIPP) within 25 Ft. of Sewer Main @	Each	\$ 3,000.00	\$0.00
35	110	0	Lin. Ft. of Sanitary Lateral Lining (CIPP) Additional Length over 25 Ft. from Sewer Main @	Lin. Ft.	\$ 55.00	\$0.00
36	13	0	Sanitary/Storm Manhole Rehabilitation (Approx. 95 Vert. Ft.) @	Each	\$ 800.00	\$0.00
37	1	0	Sanitary Manhole Bench / Invert / Trough Work Minor @	Each	\$ 750.00	\$0.00
38	13	0	Sanitary Manhole Chimney Seal @	Each	\$ 500.00	\$0.00

39	10	0	Chimney Replacement	@	Each	\$ 800.00	\$0.00
40	20	20	Lin. Ft. of 21-Inch Storm Sewer (PVC)	@	Lin. Ft.	\$ 84.00	\$1,680.00
41	60	60	Lin. Ft. of 15-Inch Storm Sewer (PVC)	@	Lin. Ft.	\$ 73.00	\$4,380.00
42	55	28.5	Lin. Ft. of 12-Inch Storm Sewer (PVC)	@	Lin. Ft.	\$ 64.00	\$1,824.00
43	6	0	Lin. Ft. of 21-Inch Storm Sewer (RSCP)	@	Lin. Ft.	\$ 112.00	\$0.00
44	6	6	Lin. Ft. of 15-Inch Storm Sewer (RSCP)	@	Lin. Ft.	\$ 98.00	\$588.00
45	186	48	Lin. Ft. of 12-Inch Storm Sewer (RSCP)	@	Lin. Ft.	\$ 69.00	\$3,312.00
46	176	0	Lin. Ft. of 24-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$ 93.50	\$0.00
47	225	0	Lin. Ft. of 21-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$ 69.00	\$0.00
48	50	0	Lin. Ft. of 18-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$ 194.00	\$0.00
49	412	0	Lin. Ft. of 15-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$ 50.25	\$0.00
50	1349	0	Lin. Ft. of 12-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$ 33.00	\$0.00
51	9	0	Vert. Ft. of Storm Manhole	@	Vert. Ft.	\$ 235.00	\$0.00
52	57	22.27	Vert. Ft. of Storm Inlet	@	Vert. Ft.	\$ 363.00	\$8,084.01
53	12	0	Vert. Ft. of Storm Inlet Repair	@	Vert. Ft.	\$ 300.00	\$0.00
54	12	0	Vert. Ft. of Storm Sewer Manhole Repair	@	Vert. Ft.	\$ 300.00	\$0.00
55	1	0	Remove and Replace 24-Inch CMP Flared End Section	@	Each	\$ 750.00	\$0.00
56	2216	0	Lin. Ft. of Sanitary Sewer Televising - Prepaving	@	Lin. Ft.	\$ 1.25	\$0.00
57	2484	0	Lin. Ft. of Storm Sewer Televising - Prepaving	@	Lin. Ft.	\$ 1.25	\$0.00
58	28	0	Sanitary Lateral Televising - Prepaving	@	Each	\$ 240.00	\$0.00
59	80	0	Cu. Yds. of Slurry Backfill	@	Cu. Yd.	\$ 60.00	\$0.00
60	4750	0	Lin. Ft. of Concrete Curb and Gutter Removal	@	Lin. Ft.	\$ 1.00	\$0.00
61	12500	0	Sq. Yds. of Pavement Removal	@	Sq. Yd.	\$ 9.20	\$0.00
62	800	0	Lin. Ft. of Sawcutting at Pavement Limits	@	Lin. Ft.	\$ 2.35	\$0.00
63	7500	0	Tons of 1 1/4-Inch Dense Aggregate	@	Ton	\$ 10.00	\$0.00
64	850	0	Tons of 1 1/4-Inch Crushed Stone Backfill (Includes Undercut)	@	Ton	\$ 10.00	\$0.00
65	1200	0	Tons of 3-Inch Crushed Stone Backfill (Includes Undercut)	@	Ton	\$ 10.00	\$0.00
66	3500	0	Sq. Yds. of Geotextile Fabric, Type SAS	@	Sq. Yd.	\$ 1.00	\$0.00
67	1	0.2	Traffic Control	@	Lump Sum	\$ 53,400.00	\$10,680.00
68	2650	0	Lin. Ft. of Shaping and Grading Roadway Base	@	Lin. Ft.	\$ 1.00	\$0.00
69	14450	0	Sq. Ft. of Walk and Approach Removal	@	Sq. Ft.	\$ 0.75	\$0.00
70	4800	0	Lin. Ft. of 30-Inch Combination Concrete Curb and Gutter	@	Lin. Ft.	\$ 12.18	\$0.00
71	75	0	Lin. Ft. of Concrete Curb and Gutter Removal and Replacement	@	Lin. Ft.	\$ 32.00	\$0.00
72	900	0	Sq. Ft. of Concrete Pavement Removal and Replacement	@	Sq. Ft.	\$ 7.00	\$0.00
73	9250	0	Sq. Ft. of New 4-Inch Concrete Walk and Curb Ramps	@	Sq. Ft.	\$ 4.38	\$0.00
74	4600	0	Sq. Ft. of New 6-Inch Concrete Walk and Drive Approach	@	Sq. Ft.	\$ 4.77	\$0.00
75	850	0	Sq. Ft. of New 7-Inch Concrete Walk and Drive Approach	@	Sq. Ft.	\$ 5.00	\$0.00
76	304	0	Sq. Ft. of Detectable Warning Surface	@	Sq. Ft.	\$ 35.00	\$0.00
77	50	0	Lin. Ft. of Concrete Curb - Pedestrian	@	Lin. Ft.	\$ 55.00	\$0.00
78	11000	0	Sq. Yds. of 9-Inch Concrete Pavement, Doweled	@	Sq. Yd.	\$ 33.76	\$0.00
79			INTENTIONALLY LEFT BLANK				\$0.00
80	3500	0	Sq. Ft. of 5-Inch HMA Transition Pavement	@	Sq. Ft.	\$ 4.60	\$0.00
81	250	0	Sq. Ft. of 4-Inch HMA Pavement	@	Sq. Ft.	\$ 5.10	\$0.00
82	75	0	Sq. Yds. of Pavement Patching, Temporary, 2-Inch	@	Sq. Yd.	\$ 36.00	\$0.00
83	4750	0	Lin. Ft. of Pavement Markings, Yellow, Epoxy, 4-Inch	@	Lin. Ft.	\$ 1.32	\$0.00

84	2500	0	Lin. Ft. of Pavement Markings, White, Epoxy, 4-Inch	@	Lin. Ft.	\$	1.32	\$0.00
85	800	0	Lin. Ft. of Pavement Markings, White, Epoxy, 6-Inch	@	Lin. Ft.	\$	1.98	\$0.00
86	175	0	Lin. Ft. of Pavement Markings, White, Epoxy, 18-Inch	@	Lin. Ft.	\$	5.94	\$0.00
87	100	0	Lin. Ft. of Pavement Markings, Yellow, Epoxy, 12-Inch	@	Lin. Ft.	\$	3.96	\$0.00
88	900	0	Lin. Ft. of Pavement Markings, Yellow, Epoxy, 4-Inch, (30' Skip, 10' Line)	@	Lin. Ft.	\$	1.32	\$0.00
89	6	0	Pavement Markings, White, Epoxy, Arrows, Type 2	@	Each	\$	67.28	\$0.00
90	40	0	Clearing and Grubbing	@	Inch Dia.	\$	68.70	\$0.00
91	3000	0	Topsoil and Sod (Includes Stripping)	@	Sq. Yd.	\$	7.13	\$0.00
92	350	0	Lin. Ft. of Silt Fence, Delivered, Installed and Maintained	@	Lin. Ft.	\$	1.60	\$0.00
93	20	0	Straw Bales Delivered, Installed and Maintained	@	Each	\$	15.00	\$0.00
94	30	11	Filter Fabric Inlet Protection	@	Each	\$	43.00	\$473.00
95	25	0	Extra Bags of Cement for High-Early-Strength Concrete	@	Each	\$	10.00	\$0.00
96	2850	0	Street Light Conduit, 2" HDPE	@	LF	\$	5.51	\$0.00
97	8	0	Street Light Pull Boxes 15 x 30 Inch	@	Each	\$	600.21	\$0.00
98	19	0	Concrete Post Top Base	@	Each	\$	857.80	\$0.00
99	2450	0	Lin. Ft. of #10 AWG Wire	@	Lin. Ft.	\$	0.63	\$0.00
100	3500	0	Lin. Ft. of #6 AWG Wire	@	Lin. Ft.	\$	1.15	\$0.00
101	9500	0	Lin. Ft. of #4 AWG Wire	@	Lin. Ft.	\$	1.50	\$0.00
102	1	0	Remove and Salvage Existing Street Light Unit	@	Each	\$	219.41	\$0.00
103	18	0	Remove and re-install Street Light Unit	@	Each	\$	438.83	\$0.00
104	1	0	Install provided Street Lighting Unit	@	Each	\$	363.01	\$0.00
105	19	0	Remove and dispose of existing Base	@	Each	\$	100.00	\$0.00
106	6	0	Remove and dispose of existing pull box	@	Each	\$	58.80	\$0.00
107	1	0.3	Temporary Lighting	@	Lump Sum	\$	20,220.57	\$6,066.17
108	1	0	Street Light Controller, Perkins and Arcadian	@	Lump Sum	\$	6,819.63	\$0.00
109	1	0	Street Light Controller, Colton and Arcadian	@	Lump Sum	\$	6,819.63	\$0.00
110	2	2	Concrete Base Type L	@	Lump Sum	\$	1,173.76	\$2,347.52
111	2	0	Meter Pedestal - Main Lug 480 volt.	@	Lump Sum	\$	598.04	\$0.00
112	1	0	Remove and dispose of existing street light controller, Perkins and Arcadian	@	Lump Sum	\$	1,192.31	\$0.00
113	1	0	Remove and dispose of existing street light controller, Colton and Arcadian	@	Lump Sum	\$	1,192.31	\$0.00
114	2400	0	Lin. Ft. of Fiber Communication Duct, 3" HDPE	@	Lin. Ft.	\$	6.94	\$0.00
115	4	0	Fiber Communication Pull Boxes 24 x 36 Inch	@	Each	\$	1,301.86	\$0.00
116	8	0	Traffic Signal Pull Boxes 24 x 42 Inch	@	Each	\$	810.95	\$0.00
117	200	0	Lin Ft. of 3" DIA Schedule 40 Traffic Signal Conduit with (Tracer)	@	Lin. Ft.	\$	6.05	\$0.00
Subtotal								\$474,481.08
Less Retainage								\$23,724.05
Total Amount Due								\$450,757.03
Less Previous Payments								\$247,563.42
Current Payment Due								\$203,193.61

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$203,193.61 be allowed.

Respectfully Submitted,



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