

February 7, 2019

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment (FINAL) No. 14 to Zignego Company, 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 (Amended \$1,910,289.74)

Item No	Bid Quantity	Completed Quantity	Description	Cost	Per Unit	Amount
1	840	835	Lin. Ft. of 12-Inch Water Main and Fittings @	Lin. Ft. \$	85.00	\$70,975.00 \$12,478.00
2	40	34	Lin. Ft. of 12-Inch D.I. Water Main and Fittings @	Lin. Ft. \$	367.00	
3	570	556	Lin. Ft. of 8-Inch Water Main and Fittings @	Lin. Ft. \$	112.50	\$62,550.00
4	10	15	Lin. Ft. of 6-Inch D.I. Water Main and Fittings @	Lin. Ft. \$	195.00	\$2,925.00
5	6	6	Furnish and Install 12" Gate Valve & Box @	Each \$	2,115.00	\$12,690.00
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 \$9,314.00
			Furnish and Install 6" D.I. Lead or 6" - 90°			
8	2	2	Swivel x Swivel and Hydrant @	Each \$	4,657.00	
9	4	4	Connect Service Lateral (SL1) @	Each \$	1,602.00	\$6,408.00
10	11	11	Connect Service Lateral (SL2) @	Each \$	2,576.00	\$28,336.00
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	3	Connect Service Lateral (SL5) @	Each \$	1,662.00	\$4,986.00
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 @	Each \$	800.00	\$0.00 needed
17	2	0	Furnish and Install Curb Stops where needed @	Each \$	580.00	\$0.00
18	6	6	Abandon Existing Hydrants @	Each \$	500.00	\$3,000.00
19	1	1	Abandon Valve Boxes & Manholes @	Lump Sum \$	1,000.00	\$1,000.00
20	132	136	Lin Ft of 18-Inch Sanitary Sewer (PVC) @	Lin. Ft. \$	193.50	\$26,316.00
21	1659	1,669	Lin Ft of 8-Inch Sanitary Sewer (PVC) @	Lin. Ft. \$	99.00	\$165,231.00
22	585	547.5	6-Inch Lateral Replacement (Open Cut) @	Lin. Ft. \$	110.00	\$60,225.00
23	35	33	6-Inch Lateral Replacement (Pipe Bursting) @	Lin. Ft. \$	53.00	\$1,749.00 Excavation and Lateral Connection at Right-of- Way (Pipe Bursting)
24	1	1	@	Each \$	1,173.00	\$1,173.00
25	100	98.56	Vert. Ft. of Sanitary Manhole @	Vert. Ft. \$	278.00	\$27,399.68
26	1400	2,646.8	@	Lin. Ft. \$	21.00	\$55,582.80
			Lin. Ft. of 8-Inch Sanitary Sewer Lining (CIPP) @			
27	2	0	Sanitary Sewer Spot Repair @	Each \$	4,000.00	\$0.00
28	36	51	Sanitary Lateral Reinstatement @	Each \$	150.00	\$7,650.00
29	25	32	Sanitary Lateral Connection Test and Seal @	Each \$	248.00	\$7,936.00
30	11	6	Sanitary Lateral Televising - @	Each \$	225.00	\$1,350.00
31	11	11	Sanitary Lateral Cleanout @	Each \$	1,325.00	\$14,575.00
32	11	11	Sanitary Lateral Cleaning and Prelining @	Each \$	225.00	\$2,475.00
			Video Inspection			
33	2	0	Sanitary Lateral Spot Repair @	Each \$	3,300.00	\$0.00
34	11	11	Sanitary Lateral Lining (CIPP) within 25 Ft. of @	Each \$	3,000.00	\$33,000.00
			Sewer Main			
35	110	109.41	@	Lin. Ft. \$	55.00	\$6,017.55
			Lin. Ft. of Sanitary Lateral Lining (CIPP)			
			Additional Length over 25 Ft. from Sewer Main			
36	13	13	Sanitary/Storm Manhole Rehabilitation @	Each \$	800.00	\$10,400.00
			(Approx. 95 Vert. Ft.)			
37	1	1	Sanitary Manhole Bench / Invert / Trough Work @	Each \$	750.00	\$750.00
			Minor			
38	13	17	Sanitary Manhole Chimney Seal @	Each \$	500.00	\$8,500.00
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	65	Lin. Ft. of 15-Inch Storm Sewer (PVC) @	Lin. Ft. \$	73.00	\$4,745.00
42	55	83.17	Lin. Ft. of 12-Inch Storm Sewer (PVC) @	Lin. Ft. \$	64.00	\$5,322.88

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	181	Lin. Ft. of 12-Inch Storm Sewer (RSCP)	@	Lin. Ft.	\$ 69.00	\$12,489.00
46	176	174.0	Lin. Ft. of 24-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$ 93.50	\$16,269.00
47	225	223.0	Lin. Ft. of 21-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$ 69.00	\$15,387.00
48	50	48.8	Lin. Ft. of 18-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$ 194.00	\$9,467.20
49	412	414.4	Lin. Ft. of 15-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$ 50.25	\$20,823.60
50	1349	1,353.7	Lin. Ft. of 12-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$ 33.00	\$44,672.10
51	9	7.9	Vert. Ft. of Storm Manhole	@	Vert. Ft.	\$ 235.00	\$1,856.50
52	57	77.55	Vert. Ft. of Storm Inlet	@	Vert. Ft.	\$ 363.00	\$28,150.65
53	12	3	Vert. Ft. of Storm Inlet Repair	@	Vert. Ft.	\$ 300.00	\$900.00
54	12	0	Vert. Ft. of Storm Sewer Manhole Repair	@	Vert. Ft.	\$ 300.00	\$0.00
55	1	1	Remove and Replace 24-Inch CMP Flared End Section	@	Each	\$ 750.00	\$750.00
56	2216	1,804	Lin. Ft. of Sanitary Sewer Televising - Prepaving	@	Lin. Ft.	\$ 1.25	\$2,255.00
57	2484	198.3	Lin. Ft. of Storm Sewer Televising - Prepaving	@	Lin. Ft.	\$ 1.25	\$247.88
58	28	28	Sanitary Lateral Televising - Prepaving	@	Each	\$ 240.00	\$6,720.00
59	80	0	Cu. Yds. of Slurry Backfill	@	Cu. Yd.	\$ 60.00	\$0.00
60	4750	4,950	Lin. Ft. of Concrete Curb and Gutter Removal	@	Lin. Ft.	\$ 1.00	\$4,950.00
61	12500	12,717	Sq. Yds. of Pavement Removal	@	Sq. Yd.	\$ 9.20	\$116,996.40
62	800	1,044	Lin. Ft. of Sawcutting at Pavement Limits	@	Lin. Ft.	\$ 2.35	\$2,453.40
63	7500	5,908	Tons of 1 1/4-Inch Dense Aggregate	@	Ton	\$ 10.00	\$59,080.00
64	850	400	Tons of 1 1/4-Inch Crushed Stone Backfill (Includes Undercut)	@	Ton	\$ 10.00	\$4,000.00
65	1200	0	Tons of 3-Inch Crushed Stone Backfill (Includes Undercut)	@	Ton	\$ 10.00	\$0.00
66	3500	1,872	Sq. Yds. of Geotextile Fabric, Type SAS	@	Sq. Yd.	\$ 1.00	\$1,872.00
67	1	1.00	Traffic Control	@	Lump Sum	\$ 53,400.00	\$53,400.00
68	2650	2,800	Lin. Ft. of Shaping and Grading Roadway Base	@	Lin. Ft.	\$ 1.00	\$2,800.00
69	14450	16,100	Sq. Ft. of Walk and Approach Removal	@	Sq. Ft.	\$ 0.75	\$12,075.00
70	4800	4,903	Lin. Ft. of 30-Inch Combination Concrete Curb and Gutter	@	Lin. Ft.	\$ 12.18	\$59,718.54
71	75	0	Lin. Ft. of Concrete Curb and Gutter Removal and Replacement	@	Lin. Ft.	\$ 32.00	\$0.00
72	900	2,747.5	Sq. Ft. of Concrete Pavement Removal and Replacement	@	Sq. Ft.	\$ 7.00	\$19,232.50
73	9250	10,618	Sq. Ft. of New 4-Inch Concrete Walk and Curb Ramps	@	Sq. Ft.	\$ 4.38	\$46,506.84
74	4600	5,068	Sq. Ft. of New 6-Inch Concrete Walk and Drive Approach	@	Sq. Ft.	\$ 4.77	\$24,174.36
75	850	957	Sq. Ft. of New 7-Inch Concrete Walk and Drive Approach	@	Sq. Ft.	\$ 5.00	\$4,785.00
76	304	304	Sq. Ft. of Detectable Warning Surface	@	Sq. Ft.	\$ 35.00	\$10,640.00
77	50	93	Lin. Ft. of Concrete Curb - Pedestrian	@	Lin. Ft.	\$ 55.00	\$5,115.00
78	11000	10,842	Sq. Yds. of 9-Inch Concrete Pavement, Doweled	@	Sq. Yd.	\$ 33.76	\$366,025.92
79			INTENTIONALLY LEFT BLANK				\$0.00
80	3500	4,901	Sq. Ft. of 5-Inch HMA Transition Pavement	@	Sq. Ft.	\$ 4.60	\$22,544.60
81	250	1,668.5	Sq. Ft. of 4-Inch HMA Pavement	@	Sq. Ft.	\$ 5.10	\$8,509.35
82	75	0	Sq. Yds. of Pavement Patching, Temporary, 2-Inch	@	Sq. Yd.	\$ 36.00	\$0.00
83	4750	3,710	Lin. Ft. of Pavement Markings, Yellow, Epoxy, 4-Inch	@	Lin. Ft.	\$ 1.32	\$4,897.20
84	2500	2,514	Lin. Ft. of Pavement Markings, White, Epoxy, 4-Inch	@	Lin. Ft.	\$ 1.32	\$3,318.48
85	800	735	Lin. Ft. of Pavement Markings, White, Epoxy, 6-Inch	@	Lin. Ft.	\$ 1.98	\$1,455.30
86	175	141	Lin. Ft. of Pavement Markings, White, Epoxy, 18-Inch	@	Lin. Ft.	\$ 5.94	\$837.54
87	100	93	Lin. Ft. of Pavement Markings, Yellow, Epoxy, 12-Inch	@	Lin. Ft.	\$ 3.96	\$368.28
88	900	869	Lin. Ft. of Pavement Markings, Yellow, Epoxy, 4-Inch, (30' Skip, 10' Line)	@	Lin. Ft.	\$ 1.32	\$1,147.08

89	6	6	Pavement Markings, White, Epoxy, Arrows, Type 2	@	Each	\$ 67.28	\$403.68
90	40	0	Clearing and Grubbing	@	Inch Dia.	\$ 68.70	\$0.00
91	3000	4,195.68	Topsoil and Sod (Includes Stripping)	@	Sq. Yd.	\$ 7.13	\$29,915.20
92	350	281	Lin. Ft. of Silt Fence, Delivered, Installed and Maintained	@	Lin. Ft.	\$ 1.60	\$449.60
93	20	0	Straw Bales Delivered, Installed and Maintained	@	Each	\$ 15.00	\$0.00
94	30	22	Filter Fabric Inlet Protection	@	Each	\$ 43.00	\$946.00
95	25	72	Extra Bags of Cement for High-Early-Strength Concrete	@	Each	\$ 10.00	\$720.00
96	2850	2,314	Street Light Conduit, 2" HDPE	@	LF	\$ 5.51	\$12,750.14
97	8	9	Street Light Pull Boxes 15 x 30 Inch	@	Each	\$ 600.21	\$5,401.89
98	19	18	Concrete Post Top Base	@	Each	\$ 857.80	\$15,440.40
99	2450	2,426	Lin. Ft. of #10 AWG Wire	@	Lin. Ft.	\$ 0.63	\$1,528.38
100	3500	2,616	Lin. Ft. of #6 AWG Wire	@	Lin. Ft.	\$ 1.15	\$3,008.40
101	9500	7,746	Lin. Ft. of #4 AWG Wire	@	Lin. Ft.	\$ 1.50	\$11,619.00
102	1	1.0	Remove and Salvage Existing Street Light Unit	@	Each	\$ 219.41	\$219.41
103	18	18	Remove and re-install Street Light Unit	@	Each	\$ 438.83	\$7,898.94
104	1	1	Install provided Street Lighting Unit	@	Each	\$ 363.01	\$363.01
105	19	17	Remove and dispose of existing Base	@	Each	\$ 100.00	\$1,700.00
106	6	6	Remove and dispose of existing pull box	@	Each	\$ 58.80	\$352.80
107	1	1.00	Temporary Lighting	@	Lump Sum	\$ 20,220.57	\$20,220.57
108	1	0	Street Light Controller, Perkins and Arcadian	@	Lump Sum	\$ 6,819.63	\$0.00
109	1	1	Street Light Controller, Colton and Arcadian	@	Lump Sum	\$ 6,819.63	\$6,819.63
110	2	2	Concrete Base Type L	@	Lump Sum	\$ 1,173.76	\$2,347.52
111	2	2	Meter Pedestal - Main Lug 480 volt.	@	Lump Sum	\$ 598.04	\$1,196.08
112	1	1	Remove and dispose of existing street light controller, Perkins and Arcadian	@	Lump Sum	\$ 1,192.31	\$1,192.31
113	1	1	Remove and dispose of existing street light controller, Colton and Arcadian	@	Lump Sum	\$ 1,192.31	\$1,192.31
114	2400	1,965	Lin. Ft. of Fiber Communication Duct, 3" HDPE	@	Lin. Ft.	\$ 6.94	\$13,637.10
115	4	4	Fiber Communication Pull Boxes 24 x 36 Inch	@	Each	\$ 1,301.86	\$5,207.44
116	8	8	Traffic Signal Pull Boxes 24 x 42 Inch	@	Each	\$ 810.95	\$6,487.60
117	200	742	Lin Ft. of 3" DIA Schedule 40 Traffic Signal Conduit with (Tracer)	@	Lin. Ft.	\$ 6.05	\$4,489.10
Extra No. 1	1	1.0	Traffic control - Detour	@	Lump Sum	\$ 7,850.00	\$7,850.00
Extra No. 2	1	1.0	Grout Leaks	@	Lump Sum	\$ 900.00	\$900.00
Extra No. 3	1	1.0	Unforeseen water vs proposed gas conflict	@	Lump Sum	\$ 2,720.56	\$2,720.56
Subtotal							\$1,867,172.69
Less Retainage							
Total Amount Due							\$1,867,172.69
Less Previous Payments							\$1,787,596.75
Current Payment Due							\$79,575.94

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$79,575.94 be allowed.

Respectfully Submitted,



Fred V. Abadi, Ph.D., P.E.
Director of Public Works