September 7, 2017

TO THE BOARD OF PUBLIC WORKS CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 4 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

Item No	Bid Quantity	Completed Quantity	Description		Cost		Per Unit	Amount
1	840	835	Lin. Ft. of 12-Inch Water Main and Fittings	a	Lin. Ft.	\$	85.00	\$70,975.00
			Lin. Ft. of 12-Inch D.I. Water Main and					\$12,478.00
2	40	34	Fittings	(a)	Lin. Ft.	\$	367.00	412,110.00
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	@	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	(a)		\$	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	4 1,00 7100
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)	@		\$	1,662.00	\$4,986.00
14	2	2	"Connect Service Lateral (WWU Tap) (SL6)	@			2,278.00	\$4,556.00
15	1	1	Connect Service Lateral (SL7)	@		100.00	5,330.00	\$5,330.00
16	2	0	Furnish and Install Curb Boxes and Rods where				800.00	\$0.00
10	-	Ü	needed	w	Lacii	Ψ	800.00	φ0.00
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	(a)	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	1,475	Lin Ft of 8-Inch Sanitary Sewer (PVC)	@			99.00	\$146,025.00
22	585	491.0	6-Inch Lateral Replacement (Open Cut)	@		200	110.00	\$54,010.00
23	35	33	6-Inch Lateral Replacement (Pipe Bursting)	@			53.00	\$1,749.00
20	00	55	Excavation and Lateral Connection at Right-	_	Lin. Ft.	Φ	33.00	
24	1 .	1	of-Way (Pipe Bursting)	@	Each	\$	1,173.00	\$1,173.00
25	100	96.00	Vert. Ft. of Sanitary Manhole	@			278.00	\$26,688.00
26	1400	365		(a)	Lin. Ft.	\$	21.00	\$7,665.00
			Lin. Ft. of 8-Inch Sanitary Sewer Lining (CIPP)	_				S 186
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		Each		3,000.00	\$0.00
			Sewer Main	0		*	2,000,00	40.00
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	0 : 10 : 11 : 1 : 1 : 1	@	Each	\$	800.00	\$0.00
		15/	(Approx. 95 Vert. Ft.)	0	Lucii	Ψ	000.00	Ψ0.00
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

				_	T 1.	æ	000.00	\$0.00
39	10	0	Chimney Replacement	@	Each		800.00	•
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	49.5	Lin. Ft. of 12-Inch Storm Sewer (PVC)	@	Lin. Ft.		64.00	\$3,168.00
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	85	Lin. Ft. of 12-Inch Storm Sewer (RSCP)	@	Lin. Ft.		69.00	\$5,865.00
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	7.9	Vert. Ft. of Storm Manhole	@	Vert. Ft.		235.00	\$1,856.50
52	57	48.60	Vert. Ft. of Storm Inlet	@	Vert. Ft.		363.00	\$17,641.80
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	4,750	Lin. Ft. of Concrete Curb and Gutter	@	Lin, Ft.	\$	1.00	\$4,750.00
61	12500	11,914	Sq. Yds. of Pavement Removal	@	Sq. Yd.	\$	9.20	\$109,608.80
62	800	381	Lin. Ft. of Sawcutting at Pavement Limits	@	Lin, Ft.	\$	2.35	\$895.35
63	7500	3,500	Tons of 11/4-Inch Dense Aggregate	@	Ton	\$	10.00	\$35,000.00
64	850	0	Tons of 11/4-Inch Crushed Stone Backfill	@	Ton	\$	10.00	\$0.00
65	1200	0	(Includes Undercut) Tons of 3-Inch Crushed Stone Backfill	@	Ton	\$	10.00	\$0.00
66	3500	0	(Includes Undercut) Sq. Yds. of Geotextile Fabric, Type SAS	@	Sq. Yd.	\$	1.00	\$0.00
66			Traffic Control		ump Sum		53,400.00	\$16,020.00
67	1	0.3	Traine Control	~	Lin, Ft,		1.00	\$0.00
68	2650	0	Lin. Ft. of Shaping and Grading Roadway Base	@	Laill, I'l,	Ψ	1.00	φ0.00
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	@	Lin. Ft.	\$	12.18	\$0.00
71	75	0	and Gutter Lin. Ft. of Concrete Curb and Gutter Removal	@	Lin. Ft.	\$	32.00	\$0.00
	202	^	and Replacement Sq. Ft. of Concrete Pavement Removal and		On E∔	ď	7.00	\$0.00
72	900	0	Replacement	@	Sq. Ft.			
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

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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)	(a)		\$	7.13	\$0.00
92	350	0	Lin. Ft. of Silt Fence, Delivered, Installed and	@	•		1.60	\$0.00
			Maintained					
93	20	0	Straw Bales Delivered, Installed and Maintained	@	Each	\$	15.00	\$0.00
94	30	11	Filter Fabric Inlet Protection	@			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	(a)	Each	\$	58.80	\$0.00
107	1	0.5	Temporary Lighting	(a)	Lump Sum	\$	20,220.57	\$10,110.29
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	(a)	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
		0	Remove and dispose of existing street light	(a)	Lump Sum	ď.	1,192.31	\$0.00
112	I I	0	controller, Perkins and Arcadian Remove and dispose of existing street light		Lump Sum	Ψ	1,192.31	\$0.00
113	1		controller, Colton and Arcadian	_		Ψ	1,172.51	***
114	2400	, 0	Lin. Ft. of Fiber Communication Duct, 3" HDPE	@	LIII. Ft.		6.94	\$0.00
115	4	0	Fiber Communication Pull Boxes 24 x 36 Inch				1,301.86	\$0.00
116	8	0	Traffic Signal Pull Boxes 24 x 42 Inch	@		\$	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 Less Retainage Total Amount Due						\$734,357.26	
							\$36,717.86 \$697,639.40	
Less Previous Payments						\$450,757.03		
	Current Payment Due						\$246,882.37	
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This estimate has been checked by the Engineering Department and we recommend that the above amount of \$246,882.37 be allowed.

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