## TO THE BOARD OF PUBLIC WORKS CITY OF WAUKESHA, WISCONSIN

41

60

65

Lin. Ft. of 15-Inch Storm Sewer (PVC)

(0)

Lin. Ft. \$

73.00

\$4,745.00

Periodical estimate for Partial Payment No. 12 to Zignego Company, Inc., W226 N2940 Duplainville Rd., Waukesha, WI 53186 for Arcadian Avenue Utility And Street Improvements - Concrete Payement.

Contract No. 4001 4/14/2017 \$1,866,956.18 (Amended \$1,910,289.74) Item Rid Completed Description Cost Per Unit Amount No Quantity Quantity 835 Lin. Ft. \$ \$70,975.00 1 840 Lin. Ft. of 12-Inch Water Main and Fittings @ 85.00 Lin. Ft. of 12-Inch D.I. Water Main and \$12,478.00 2 40 34 Fittings (a) Lin Ft \$ 367.00 3 570 556 Lin. Ft. of 8-Inch Water Main and Fittings Lin. Ft. \$ \$62,550.00 @ 112.50 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 5 6 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° \$9,314.00 8 2 2 Swivel x Swivel and Hydrant @ Each \$ 4,657.00 4 4 Connect Service Lateral (SL1) \$6,408.00 Each \$ 1,602,00 @ 10 11 11 Connect Service Lateral (SL2) Each \$ 2,576.00 \$28.336.00 @ 3 3 Connect Service Lateral (WWU Tap) (SL3) 11 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 Connect Service Lateral (SL7) \$5,330.00 1 @ Each \$ 5,330.00 Furnish and Install Curb Boxes and Rods 16 2 0 @ Each \$ 800.00 \$0.00 where needed 0 2 Furnish and Install Curb Stops where needed (a) 17 Each \$ 580.00 \$0.00 6 Each \$ 18 6 Abandon Existing Hydrants @ 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 @ Lin. Ft. \$ 23 35 33 6-Inch Lateral Replacement (Pipe Bursting) \$1,749.00 @ 53.00 Excavation and Lateral Connection at Right-of-\$1,173.00 Way (Pipe Bursting) Each \$ 24 1 (a) 1.173.00 25 100 98.56 Vert. Ft. of Sanitary Manhole Vert. Ft. \$ \$27,399.68 @ 278.00 26 1400 2,646.8 @ Lin. Ft. \$ 21.00 \$55,582.80 Lin. Ft. of 8-Inch Sanitary Sewer Lining (CIPP) 27 2 0 Each \$ 4,000.00 \$0.00 Sanitary Sewer Spot Repair @ 51 28 36 Sanitary Lateral Reinstatement @ Each \$ 150.00 \$7,650.00 29 25 32 Sanitary Lateral Connection Test and Seal Each \$ 248.00 \$7,936.00 (a) 30 11 0 Sanitary Lateral Televising - Preconstruction Each \$ (a) 225.00 \$0.00 31 11 11 Sanitary Lateral Cleanout @ Each \$ 1,325.00 \$14,575.00 32 11 8 Sanitary Lateral Cleaning and Prelining Video Each \$ \$1,800.00 @ 225.00 Inspection 2 0 33 Sanitary Lateral Spot Repair Each \$ 3,300.00 \$0.00 Sanitary Lateral Lining (CIPP) within 25 Ft. of @ 34 11 11 Each \$ 3,000.00 \$33,000.00 Lin. Ft. of Sanitary Lateral Lining (CIPP) 35 110 109.41 Lin. Ft. \$ 55.00 \$6,017.55 Additional Length over 25 Ft. from Sewer Main 7 Sanitary/Storm Manhole Rehabilitation 36 13 800.00 \$5,600.00 @ Each \$ (Approx. 95 Vert. Ft.) Sanitary Manhole Bench / Invert / Trough \$750.00 37 1 1 @ Each \$ 750.00 Work 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 \$1,680.00 Lin. Ft. of 21-Inch Storm Sewer (PVC) Lin. Ft. \$ 84.00 @

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	88	Lin, Ft, of 24-Inch of Storm Sewer lining (CIPP)	@	Lin, Ft.	\$	93,50	\$8,228.00
47	225	112	Lin. Ft. of 21-Inch of Storm Sewer lining	@	Lin. Ft.	\$	69.00	\$7,728.00
48	50	26	Lin, Ft, of 18-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$	194.00	\$5,044.00
49	412	236.4	Lin, Ft. of 15-Inch of Storm Sewer lining (CIPP)	@	Lin. Ft.	\$	50.25	\$11,879.10
50	1349	1,331.7	Lin. Ft. of 12-Inch of Storm Sewer lining (CIPP)	@	Lin, Ft.	\$	33,00	\$43,946.10
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	0	Lin. Ft. of Sanitary Sewer Televising - Prepaying	@	Lin. Ft.	\$	1.25	\$0,00
57	2484	0	Lin. Ft. of Storm Sewer Televising - Prepaving	@	Lin, Ft.	\$	1.25	\$0.00
58	28	18	Sanitary Lateral Televising - Prepaving	@	Each	\$	240.00	\$4,320.00
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 Removal	@	Lin, Ft.	\$	1.00	\$4,750.00
61	12500	11,914	Sq. Yds. of Pavement Removal	@	Sg. Yd.	\$	9.20	\$109,608.80
62	800	775	Lin, Ft, of Sawcutting at Pavement Limits	@	Lin. Ft.		2,35	\$1,821.25
63	7500	5,908	Tons of 1¼-Inch Dense Aggregate	@	Ton		10.00	\$59,080.00
64	850	400	Tons of 1/4-Inch Crushed Stone Backfill	(a)	Ton		10.00	\$4,000.00
65	1200	0	(Includes Undercut) Tons of 3-Inch Crushed Stone Backfill	@	Ton		10.00	\$0.00
**			(Includes Undercut)	_		_		******
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	2,500	The Park Charles and Creding Deadway Born	@	Lin. Ft.	\$	1.00	\$2,500.00
69	14450	13,643	Lin, Ft, of Shaping and Grading Roadway Base	@	Sq. Ft.	\$	0.75	\$10,232.25
70	4800	4,600	Sq. Ft. of Walk and Approach Removal Lin. Ft. of 30-Inch Combination Concrete Curb		Lin. Ft.		12.18	\$56,028.00
71	75	0	and Gutter Lin. Ft. of Concrete Curb and Gutter Removal	@	Lin. Ft.		32,00	\$0.00
72	900	2,747.5	and Replacement Sq. Ft. of Concrete Pavement Removal and	@	Sq. Ft.	\$	7.00	\$19,232.50
73	9250	10,618	Replacement Sq. Ft. of New 4-Inch Concrete Walk and Curb		Sq. Ft.		4,38	\$46,506,84
74	4600	5,068	Ramps Sq. Ft, of New 6-Inch Concrete Walk and	@	Sq. Ft.		4.77	\$24,174.36
			Drive Approach	_	•			
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	_	O - T4	ø	4.60	\$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. of Pavement Markings, White, Epoxy	@	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	@	Lin. Ft.	\$ 1.60	\$449.60
93	20	0	Maintained 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	@	Lump Sum	\$ 1,192.31	\$1,192.31
113	1	1	controller, Perkins and Arcadian 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 Lin Ft. of 3" DIA Schedule 40 Traffic Signal	@	Each	810.95	\$6,487.60
117	200	742	Conduit with (Tracer)	(a)	Lin. Ft.	\$ 6.05	\$4,489.10
Extra No. 1 Extra	1	1.0	Traffic control - Detour	(a)	Lump Sum	\$ 7,850.00	\$7,850.00
No. 2 Extra	1	1.0	Grout Leaks	@	Lump Sum	\$ 900.00	\$900.00
No. 3	1	1.0	Unforeseen water vs proposed gas conflict Subtotal	` '	Lump Sum	\$ 2,720.56	\$2,720.56 \$1,811,598.08
			Less Retainage Total Amount Due Less Previous Payments Current Payment Due	:			\$47,757.24 \$1,763,840.84 \$1,755,879.14 \$7,961.70

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$7,961.70 be allowed.

Respectfully Submitted,

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

Robin/Excel/Partials/Zignego