

February 6, 2020

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 11 to Zignego Co., Inc., W226 N2940 Duplainville Rd., Waukesha, WI 53186 for Northview Road - Utility and Street Reconstruction Phase 1 - Concrete.

Contract No. #4049

CONTRACT DATE: 3/20/2018

Original \$ 3,000,000.00

CCO#1 \$ 3,358,046.43

Line No.	Item No.	Item Description	Unit	Bid Quantities	Completed Quantity	Unit Price	Amount
1	01001	Traffic Control	LS	1	1.00	\$ 24,645.47	\$ 24,645.47
2	01005	Detour Route	LS	1	1.00	\$ 4,625.00	\$ 4,625.00
3	01014	Traffic Control Signs PCMS	LS	1	1.00	\$ 3,150.00	\$ 3,150.00
4	01017	Temporary Safety Fence	LF	1032		\$ 2.30	\$ -
5	02002	Silt Fence	LF	255	635.00	\$ 2.00	\$ 1,270.00
6	02003	Erosion Bales	EACH	50		\$ 10.00	\$ -
7	02005	Inlet Protection	EACH	44	46.00	\$ 60.00	\$ 2,760.00
8	02105	Temporary Diversion & Settling Basin	EACH	1	1.00	\$ 5,000.00	\$ 5,000.00
9	02990	Temporary Ditch Checks, WDOT 628.7504	LF	30	116.00	\$ 6.80	\$ 788.80
10	02991	Culvert Pipe Checks, WDOT 628.7555	EACH	31	32.00	\$ 75.00	\$ 2,400.00
11	03011	Clearing	STA	14	15.00	\$ 464.00	\$ 6,960.00
12	03012	Grubbing	STA	14	17.00	\$ 207.00	\$ 3,519.00
13	03041	Clearing	ID	1553	1,241.50	\$ 16.40	\$ 20,360.60
14	03042	Grubbing	ID	1553	1,348.50	\$ 5.50	\$ 7,416.75
15	03060	Remove and Replace Mailbox	EACH	35	33.00	\$ 30.00	\$ 990.00
16	03100	Remove Sewer Manholes	EACH	2	2.00	\$ 300.00	\$ 600.00
17	03101	Remove Inlet	EACH	10	10.00	\$ 150.00	\$ 1,500.00
18	03110	Removing Pipe	LF	1858	2,017.70	\$ 18.00	\$ 36,318.60
19	03250	Removing Fence	LF	124	124.00	\$ 2.00	\$ 248.00
20	03300	Remove Existing Curb & Gutter	LF	1352	1,467.50	\$ 3.00	\$ 4,402.50
21	03331	Remove Existing Sidewalk	SY	710	896.55	\$ 3.00	\$ 2,689.65
22	03500	Sawcutting at Pavement Limits	LF	782	959.30	\$ 3.00	\$ 2,877.90
23	03605	Remove Existing Asphalt Roadway	SY	13572	15,582.40	\$ 1.50	\$ 23,373.60
24	04010	Shaping and Grading to Subgrade	LF	3384	2,272.89	\$ 45.00	\$ 102,280.05
25	04015	Geotextile Fabric Type SAS Non-Woven	SY	725	1,318.63	\$ 1.25	\$ 1,648.29
26	04120	Slurry Backfill	CY	80	0.00	\$ 65.00	\$ -

27	04175	Solid Rock Excavation (In Trenches)	CY	220	620.00	\$ 125.00	\$ 77,500.00
28	04176	Loose Rock Excavation (In Trenches)	CY	446	305.00	\$ 25.00	\$ 7,625.00
29	04501	Crushed Aggregate Base Course, 3/4"	TON	172	108.69	\$ 15.00	\$ 1,630.35
30	04502	Crushed Aggregate Base Course, 1-1/4"	TON	8769	12,692.34	\$ 12.00	\$ 152,308.08
31	04525	Crushed Aggregate Base Course, Gradation No. 5 (Breaker Run, Includes EBS)	TON	2313	4,655.00	\$ 20.00	\$ 93,100.00
32	04990	Marsh Excavation, WDOT 205.0400	CY	541	340.00	\$ 7.00	\$ 2,380.00
33	05006	Pipe Underdrain 6-Inch	LF	194	227.00	\$ 15.00	\$ 3,405.00
34	05030	Chimney Replacement	EACH	20	20.00	\$ 550.00	\$ 11,000.00
35	05050	Internal Chimney Seal	EACH	20	20.00	\$ 450.00	\$ 9,000.00
36	05055	Cleanout	EACH	3	4.00	\$ 550.00	\$ 2,200.00
37	05056	Sanitary Lateral Cleanout	EACH	17	16.00	\$ 1,400.00	\$ 22,400.00
38	05074	Sanitary Lateral Cleaning and Prelining Video Inspection	EACH	17	16.00	\$ 295.00	\$ 4,720.00
39	05075	Sanitary Sewer Spot Repair	EACH	2	1.00	\$ 3,200.00	\$ 3,200.00
40	05076	Sanitary Sewer Lateral Spot Repair	EACH	2		\$ 2,500.00	\$ -
41	05080	Sanitary Lateral Reinstatement	EACH	19	19.00	\$ 75.00	\$ 1,425.00
42	05082	Sanitary Lateral Connection Test & Seal	EACH	19	18.00	\$ 250.00	\$ 4,500.00
43	05157	6-Inch Sanitary Sewer Lateral Replacement (Open Cut)	LF	75	35.00	\$ 95.00	\$ 3,325.00
44	05308	8-Inch CIPP Sanitary Sewer Pipe	LF	1174	1,174.00	\$ 20.00	\$ 23,480.00
45	05350	Sanitary Lateral Lining (CIPP) within 25 FT of Sewer Main	EACH	17	16.00	\$ 3,325.00	\$ 53,200.00
46	05351	Sanitary Lateral Lining (CIPP) additional length over 25 FT of Sewer Main	LF	170	137.42	\$ 59.00	\$ 8,107.78
47	05410	Rehabilitate Sanitary Manhole w/ Cementitious Liner	EACH	5	5.00	\$ 125.00	\$ 625.00
48	05485	2'X3' Storm Inlet	EACH	36	37.00	\$ 1,200.00	\$ 44,400.00
49	05548	48-Inch Storm Sewer Manhole	EACH	6	6.00	\$ 1,600.00	\$ 9,600.00
50	05560	60-Inch Storm Sewer Manhole	EACH	7	8.00	\$ 2,000.00	\$ 16,000.00
51	05572	72-Inch Storm Sewer Manhole	EACH	2	2.00	\$ 3,000.00	\$ 6,000.00
52	05584	84-Inch Storm Sewer Manhole	EACH	7	7.00	\$ 4,500.00	\$ 31,500.00
53	05596	96-Inch Storm Sewer Manhole	EACH	1	1.00	\$ 7,000.00	\$ 7,000.00
54	05512	12-Inch RCP Storm Sewer Pipe	LF	507	515.60	\$ 62.00	\$ 31,967.20
55	05515	15-Inch RCP Storm Sewer Pipe	LF	286	257.10	\$ 65.00	\$ 16,711.50
56	05518	18-Inch RCP Storm Sewer Pipe	LF	65	62.50	\$ 67.00	\$ 4,187.50
57	05521	21-Inch RCP Storm Sewer Pipe	LF	33	33.50	\$ 75.00	\$ 2,512.50
58	05524	24-Inch RCP Storm Sewer Pipe	LF	903	816.20	\$ 78.00	\$ 63,663.60
59	05530	30-Inch RCP Storm Sewer Pipe	LF	240	239.70	\$ 88.00	\$ 21,093.60
60	05536	36-Inch RCP Storm Sewer Pipe	LF	1185	1,184.00	\$ 100.00	\$ 118,400.00

61	05542	42-Inch RCP Storm Sewer Pipe	LF	361	357.50	\$ 130.00	\$ 46,475.00
62	05548	48-Inch RCP Storm Sewer Pipe	LF	1317	1,406.80	\$ 170.00	\$ 239,156.00
63	05618	18-Inch RCP Storm Sewer Flared End Section	EACH	2	2.00	\$ 1,100.00	\$ 2,200.00
64	05624	24-Inch RCP Storm Sewer Flared End Section	EACH	1	1.00	\$ 1,400.00	\$ 1,400.00
65	05648	48-Inch RCP Storm Sewer Flared End Section	EACH	3	3.00	\$ 3,100.00	\$ 9,300.00
66	05850	Concrete Collar	EACH	1	7.00	\$ 225.00	\$ 1,575.00
67	05875	12' x 4' Box Culvert	LF	80	80.00	\$ 900.00	\$ 72,000.00
68	05880	Box Culvert Wingwalls	EACH	1	2.00	\$ 20,000.00	\$ 40,000.00
69	05902	Medium Riprap	CY	14	14.51	\$ 75.00	\$ 1,088.25
70	05903	Heavy Riprap	CY	28	27.78	\$ 75.00	\$ 2,083.50
71	05905	Riprap Filter Fabric, Type HR	SY	168	76.56	\$ 3.00	\$ 229.68
72	05951	Sanitary Sewer Cleaning and Televising - Prepaving	LF	3472	3,696.00	\$ 2.25	\$ 8,316.00
73	05952	Sanitary Sewer Lateral Televising - Prepaving	EACH	34	51.00	\$ 275.00	\$ 14,025.00
74	05955	Storm Sewer Cleaning and Televising - Prepaving	LF	4930	5,055.00	\$ 2.25	\$ 11,373.75
75	05956	Storm Sewer Lateral Televising - Prepaving	EACH	3	3.00	\$ 275.00	\$ 825.00
76	05990	36-Inch Storm Sewer Manhole, WDOT 611.2003	EACH	1	1.00	\$ 1,200.00	\$ 1,200.00
77	05991	Replace Lateral Connection	LS	1	1.00	\$ 2,500.00	\$ 2,500.00
78	07001	Concrete Pavement Removal & Replacement	SY	40	65.61	\$ 130.00	\$ 8,529.30
79	07108	8-inch Doweled Concrete Pavement	SY	15032	14,790.59	\$ 33.76	\$ 499,330.32
80	07130	30" Type A Concrete Curb & Gutter	LF	7261	7,498.50	\$ 14.00	\$ 104,979.00
81	07301	Curb Ramp Detectable Warning Fields	SF	224	224.00	\$ 40.00	\$ 8,960.00
82	07304	4-Inch Concrete Sidewalk	SF	12616	15,754.80	\$ 4.75	\$ 74,835.30
83	07306	6-Inch Concrete Sidewalk & Drive	SF	8354	8,450.33	\$ 4.75	\$ 40,139.07
84	07501	Concrete Surface Drains, WDOT 416.1010	CY	10	7.25	\$ 120.00	\$ 870.00
85	08012	Mill Existing Asphalt Roadway - 2"	SY	6246	4,118.29	\$ 1.90	\$ 7,824.75
86	08206	HMA Pavement 3 LT 58-28 H	TON	662	1,489.56	\$ 54.50	\$ 81,181.02
87	08208	HMA Pavement 5 LT 58-28 H	TON	729	892.12	\$ 58.92	\$ 52,563.71
88	08210	HMA Drive & Terrace, Type 4 LT 58-28 S	TON	115	228.95	\$ 98.50	\$ 22,551.58
89	10050	Concrete Control Cabinet Base, Type 9 Special, WDOT 654.0217	EACH	1	1.00	\$ 1,500.00	\$ 1,500.00
90	10065	Cable Traffic Signal 5-14 AWG, WDOT 655.0230	LF	478	452.00	\$ 1.02	\$ 461.04
91	10067	Cable Traffic Signal 7-14 AWG, WDOT 655.0240	LF	620	454.00	\$ 1.20	\$ 544.80
92	10072	Cable Traffic Signal 12-14 AWG, WDOT 655.0260	LF	1629	1,629.00	\$ 1.60	\$ 2,606.40
93	10090	Cable Type UF 2-10 AWG Grounded, WDOT 655.0320	LF	607	570.00	\$ 0.94	\$ 535.80
94	10112	Electrical Wire Traffic Signal 12 AWG, WDOT 655.0510	LF	492	300.00	\$ 0.61	\$ 183.00

95	10110	Electrical Wire Traffic Signal 10 AWG, WDOT 655.0515	LF	1173	1,300.00	\$ 0.81	\$ 1,053.00
96	10140	Electrical Service Meter Breaker Pedestal, WDOT 655.0200.01	LS	1	1.00	\$ 905.00	\$ 905.00
97	10141	Pedestal Bases, WDOT 657.0100	EACH	7	7.00	\$ 153.00	\$ 1,071.00
98	10145	Transformer Base, Breakaway 11-1/2-Inch Bolt Circle, WDOT 657.0255	EACH	2	2.00	\$ 298.00	\$ 596.00
99	10150	Traffic Signal Controller and Cabinet 8-Phase Fully Actuated	EACH	1	1.00	\$ 24,547.00	\$ 24,547.00
100	10153	Poles Type 3, WDOT 657.0310	EACH	2	2.00	\$ 2,311.00	\$ 4,622.00
101	10165	Traffic Signal Standards Aluminum 15-Foot, WDOT 657.0425	EACH	5	5.00	\$ 358.00	\$ 1,790.00
102	10170	Traffic Signal Standards Aluminum 10-Foot, WDOT 657.0430	EACH	2	2.00	\$ 307.00	\$ 614.00
103	10206	Luminaire Arm Single Member 4-Inch Clamp, 6-FT, WDOT 657.0609	EACH	2	2.00	\$ 159.00	\$ 318.00
104	10425	Trombone Arm, 25-FT, WDOT 657.0595	EACH	2	2.00	\$ 1,131.00	\$ 2,262.00
105	10510	Monotube Poles Type 10	EACH	2	2.00	\$ 6,906.00	\$ 13,812.00
106	10530	Monotube Arm 30-FT	EACH	2	2.00	\$ 4,333.00	\$ 8,666.00
107	10580	Luminaire Arm Steel 10-FT	EACH	2	2.00	\$ 744.00	\$ 1,488.00
108	10603	Traffic Signal Face 3S 12-Inch, WDOT 658.0173	EACH	12	12.00	\$ 624.00	\$ 7,488.00
109	10604	Traffic Signal Face 4S 12-Inch, WDOT 658.0174	EACH	8	8.00	\$ 819.00	\$ 6,552.00
110	10731	Pedestrian Signal Face 16-IN, WDOT 658.0416	EACH	6	8.00	\$ 439.00	\$ 3,512.00
111	10735	Audible Pedestrian Push Button System	LS	1	1.00	\$ 8,183.00	\$ 8,183.00
112	10800	Signal Mounting Hardware, WDOT 658.5069.01	LS	1	1.00	\$ 4,331.00	\$ 4,331.00
113	10875	Furnish and Install LED Luminaire	EACH	4	4.00	\$ 750.00	\$ 3,000.00
114	10900	Emergency Vehicle Preemption System	LS	1	1.00	\$ 7,902.00	\$ 7,902.00
115	10950	Video Vehicle Detection System	LS	1	1.00	\$ 21,386.00	\$ 21,386.00
116	11001	Concrete Bases Type 1, WDOT 654.0101	EACH	7	7.00	\$ 550.00	\$ 3,850.00
117	11002	Concrete Bases Type 2, WDOT 654.0102	EACH	2	2.00	\$ 739.00	\$ 1,478.00
118	11005	Concrete Bases Type 5, WDOT 654.0105	EACH	4	4.00	\$ 645.00	\$ 2,580.00
119	11010	Concrete Bases Type 10, WDOT 654.0110	EACH	2	2.00	\$ 3,900.00	\$ 7,800.00
120	11025	Pull Box - 15-Inch PVC	EACH	19	19.00	\$ 590.00	\$ 11,210.00
121	11026	Pull Box - 24-Inch Steel, WDOT 653.0140	EACH	24	24.00	\$ 689.00	\$ 16,536.00
122	11101	Conduit 2-Inch HDPE (Excavated)	LF	2126	2,089.00	\$ 5.10	\$ 10,653.90
123	11102	Conduit 2-Inch HDPE Special (Bored)	LF	2782	2,787.10	\$ 11.80	\$ 32,887.78
124	11105	Conduit Rigid Nonmetallic Schedule 40 2-Inch, WDOT 652.0225	LF	88	98.00	\$ 4.80	\$ 470.40
125	11106	Conduit Rigid Nonmetallic Schedule 40 3-Inch, WDOT 652.0235	LF	905	925.00	\$ 5.70	\$ 5,272.50
126	11112	Conduit 3-Inch HDPE	LF	3148	3,105.00	\$ 6.20	\$ 19,251.00
127	11113	Conduit 3-Inch HDPE Special	LF	1577	1,565.50	\$ 15.60	\$ 24,421.80
128	11120	12/2 Uf W/Ground Wire	LF	150	150.00	\$ 1.00	\$ 150.00

129	11123	#10 Xlp Use Wire	LF	7500	7,890.00	\$ 0.78	\$ 6,154.20
130	11125	#6 Xlp Use Wire	LF	2700	2,766.00	\$ 1.14	\$ 3,153.24
131	11126	#4 Xlp Use Wire	LF	5650	6,104.00	\$ 1.40	\$ 8,545.60
132	11450	Install City-Furnished Street Lighting Unit	EACH	4	4.00	\$ 478.00	\$ 1,912.00
133	11655	Comm Pull Box 24x36 Quazite Tuer 22	EACH	3	3.00	\$ 1,205.00	\$ 3,615.00
134	12201	Pavement Marking Epoxy, Line, 4-Inch	LF	5974	5,428.00	\$ 0.60	\$ 3,256.80
135	12202	Pavement Marking Epoxy, Double Line, 4-Inch Yellow	LF	12817	9,941.00	\$ 0.60	\$ 5,964.60
136	12204	Pavement Marking Epoxy, Line, 8-Inch	LF	1107	1,085.00	\$ 1.20	\$ 1,302.00
137	12218	Pavement Marking Epoxy, Diagonal Line, 12-Inch	LF	277	296.00	\$ 6.05	\$ 1,790.80
138	12220	Pavement Marking Epoxy, Crosswalk, 6-Inch	LF	1156	1,044.00	\$ 8.00	\$ 8,352.00
139	12250	Pavement Marking Epoxy, Stop Line, 18-Inch	LF	256	250.00	\$ 9.75	\$ 2,437.50
140	12263	Pavement Marking Epoxy, Symbol, Left Arrow	EACH	9	9.00	\$ 195.00	\$ 1,755.00
141	12264	Pavement Marking Epoxy, Symbol, Right Arrow	EACH	2	2.00	\$ 195.00	\$ 390.00
142	12270	Pavement Marking Epoxy, Word, Only	EACH	8	8.00	\$ 225.00	\$ 1,800.00
143	13001	Remove Signs and Posts	EACH	27	26.00	\$ 32.00	\$ 832.00
144	13005	Remove, Store, and Reinstall Signs & Posts	EACH	5	4.00	\$ 175.00	\$ 700.00
145	13020	Sign Post, 2 3/8-Inch Round	EACH	22	27.00	\$ 169.00	\$ 4,563.00
146	13030	Sign, Reflective Type II	EACH	68	74.00	\$ 145.00	\$ 10,730.00
147	13300	Move Sign	EACH	1	2.00	\$ 150.00	\$ 300.00
148	14003	Topsoil, Fertilizer, Seed & Erosion Mat	SY	2613	1,950.59	\$ 5.08	\$ 9,909.00
149	14005	Topsoil & Sod	SY	10250	13,200.00	\$ 7.65	\$ 100,980.00
150	14990	Topsoil, Fertilizer, Seed & Erosion Mat for Wetlands	SY	386	312.30	\$ 6.10	\$ 1,905.03
151	15001	Furnish and Install Lin. Ft. of 12-Inch Water Main and Fittings	LF	1500	1,491.00	\$ 108.00	\$ 161,028.00
152	15002	Furnish and Install Lin. Ft. of 8-Inch Water Main and Fittings	LF	100	84.00	\$ 110.00	\$ 9,240.00
153	15003	(If Needed) Furnish and Install 12-Inch D.I. Water Main and Fittings for Lowering at Creek Station 125+75	LS	1	1.00	\$ 5,000.00	\$ 5,000.00
154	15004	Furnish and Install 12-Inch D.I. Water Main and Fittings for Lowering at Station 138+00	LF	1	0.00	\$ 5,000.00	\$ -
155	15005	(If Needed) Furnish and Install 16-Inch D.I. Water Main and Fittings for Lowering at Station 142+00	LS	1		\$ 5,000.00	\$ -
156	15006	(If Needed) Furnish and Install 12-Inch PVC Water Main and Fittings for Offset at station 144+50	LS	1		\$ 5,000.00	\$ -
157	15007	Furnish and Install 12-Inch Gate Valves	EACH	4	4.00	\$ 3,100.00	\$ 12,400.00
158	15008	Furnish and Install 8-Inch Gate Valves	EACH	2	2.00	\$ 2,500.00	\$ 5,000.00
159	15009	Furnish and Install Hydrant Assembly	EACH	3	3.00	\$ 7,000.00	\$ 21,000.00
160	15010	Connect 1" Service Lateral (SL1)	EACH	9	8.00	\$ 820.00	\$ 6,560.00
161	15011	Connect 1-1/4" Service Lateral (SL2)	EACH	4	3.00	\$ 900.00	\$ 2,700.00

162	15012	Connect 1" Service Lateral (SL3)	EACH	8	10.00	\$ 1,300.00	\$ 13,000.00
163	15013	Connect 1-1/4" Service Lateral (SL4)	EACH	1	1.00	\$ 1,400.00	\$ 1,400.00
164	15014	Connect 1-1/2" Service Lateral (SL5)	EACH	3	3.00	\$ 1,900.00	\$ 5,700.00
165	15015	Furnish and Install Lin. Ft. of Insulation Polystrene Boards where needed	LF	48		\$ 12.00	\$ -
166	15016	Furnish and Install Curb Boxes & Rods where needed	EACH	10		\$ 500.00	\$ -
167	15017	Furnish and Install Curb Stop where needed	EACH	10		\$ 500.00	\$ -
168	15018	Abandon Existing 1" Copper Pipe (If Needed)	LS	1		\$ 250.00	\$ -
169	15019	Abandon Existing Hydrants	EACH	3	3.00	\$ 1,500.00	\$ 4,500.00
170	15020	Abandon Valve Boxes & Manholes	LS	1	1.00	\$ 1,000.00	\$ 1,000.00
Extra No. 1		Additional Costs Due to AT&T Delay/Work	LS		1.00	\$ 26,544.77	\$ 26,544.77
Extra No. 2		24-Inch Endwall Adjustment	LS		1.00	\$ 13,717.55	\$ 13,717.55
Extra No. 3		Additional Costs Due to We Energies Delay/Work	LS		1.00	\$ 38,096.80	\$ 38,096.80
Extra No. 4		Pavement Marking, Cold Wather, Epoxy 4 Inch	LF		5,537.40	\$ 1.45	\$ 8,029.23
Extra No. 5		Pavement Marking, Cold Wather, Epoxy 8 Inch	LF		950.20	\$ 3.27	\$ 3,107.15
Extra No. 6		Pavement Marking, Cold Weather, Epoxy, Stop Line 18 Inch	LF		157.60	\$ 29.04	\$ 4,576.70
Extra No. 7		Pavement Marking, Cold Weather, Epoxy, Arrows	EACH		9.00	\$ 387.20	\$ 3,484.80
Extra No. 8		Temporary Seed and Class 1 Type A Erosion Mat	SY		3,190.00	\$ 1.75	\$ 5,582.50
Extra No. 9		Temporary Erosion Mat Removal	SY		3,190.00	\$ 0.71	\$ 2,264.90
Extra No. 10		Temporary Seed and Soil Stabilizer	SY		2,191.00	\$ 1.27	\$ 2,782.57
Extra No. 11		Full Depth Asphalt Milling	SY		3,668.90	\$ 4.13	\$ 15,152.56
Extra No. 12		STA 138+00 Water Main Offset	LS		1.00	\$ 17,519.16	\$ 17,519.16
Extra No. 13		Water Service Offset	EACH		8.00	\$ 1,596.00	\$ 12,768.00
Extra No. 14		Traffic Signal Base Rock Drilling	LS		1.00	\$ 8,855.00	\$ 8,855.00

Total \$ 3,331,350.43

Less Retainage \$ 15,000.00

Total \$ 3,316,350.43

Less Previously Paid \$ 3,092,281.88

Total Amount Due \$ 224,068.55

This estimate has been checked by the Engineering Division and we recommend that the above amount of \$224,068.55 be allowed.

Respectfully Submitted,



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