

January 17, 2019

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 9 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

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	564.92	\$ 3.00	\$ 1,694.76
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		\$ 65.00	\$ -
27	04175	Solid Rock Excavation (In Trenches)	CY	220	227.00	\$ 125.00	\$ 28,375.00
28	04176	Loose Rock Excavation (In Trenches)	CY	446	500.00	\$ 25.00	\$ 12,500.00
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	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/ Cementious Liner	EACH	5		\$ 125.00	\$ -
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		\$ 2.25	\$ -
73	05952	Sanitary Sewer Lateral Televising - Prepaving	EACH	34		\$ 275.00	\$ -
74	05955	Storm Sewer Cleaning and Televising - Prepaving	LF	4930		\$ 2.25	\$ -
75	05956	Storm Sewer Lateral Televising - Prepaving	EACH	3		\$ 275.00	\$ -
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	15,404.80	\$ 4.75	\$ 73,172.80
83	07306	6-Inch Concrete Sidewalk & Drive	SF	8354	8,075.63	\$ 4.75	\$ 38,359.24
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	662.00	\$ 54.50	\$ 36,079.00
87	08208	HMA Pavement 5 LT 58-28 H	TON	729	729.00	\$ 58.92	\$ 42,952.68
88	08210	HMA Drive & Terrace, Type 4 LT 58-28 S	TON	115	115.00	\$ 98.50	\$ 11,327.50
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	6.00	\$ 439.00	\$ 2,634.00
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		\$ 0.60	\$ -
135	12202	Pavement Marking Epoxy, Double Line, 4-Inch Yellow	LF	12817		\$ 0.60	\$ -
136	12204	Pavement Marking Epoxy, Line, 8-Inch	LF	1107		\$ 1.20	\$ -
137	12218	Pavement Marking Epoxy, Diagonal Line, 12-Inch	LF	277		\$ 6.05	\$ -
138	12220	Pavement Marking Epoxy, Crosswalk, 6-Inch	LF	1156		\$ 8.00	\$ -
139	12250	Pavement Marking Epoxy, Stop Line, 18-Inch	LF	256		\$ 9.75	\$ -
140	12263	Pavement Marking Epoxy, Symbol, Left Arrow	EACH	9		\$ 195.00	\$ -
141	12264	Pavement Marking Epoxy, Symbol, Right Arrow	EACH	2		\$ 195.00	\$ -
142	12270	Pavement Marking Epoxy, Word, Only	EACH	8		\$ 225.00	\$ -
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	10.00	\$ 145.00	\$ 1,450.00
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	7,800.00	\$ 7.65	\$ 59,670.00
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	1.00	\$ 5,000.00	\$ 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

Total \$ 2,945,562.94

Less Retainage \$ 75,000.00

Total \$ 2,870,562.94

Less Previously Paid \$ 2,477,282.10

Total Amount Due \$ 393,280.84

This estimate has been checked by the Engineering Division and we recommend that the above amount of \$393,280.84 be allowed.

Respectfully Submitted,



Fred V. Abadi, PhD., P.E.

Director of Public Works