

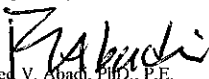
57	5,194	Lin. Ft. of Sawcutting at Pavement Limits	@	\$3.00	Lin. Ft.	\$15,582.00
58	1	Traffic Control	@	\$80,228.00	Lump Sum	\$80,228.00
59	1	Construction Staging and Temporary Traffic Signals for Delafield Street, Madison Street and North Street Intersection	@	\$20,000.00	Lump Sum	\$20,000.00
60	1	Summit Avenue and Delafield Street Detour	@	\$10,845.00	Lump Sum	\$10,845.00
61	13,817.1	Lin. Ft. of Concrete Curb and Gutter Removal	@	\$3.00	Lin. Ft.	\$41,451.30
62	34,684.6	Sq. Yds. of Pavement Removal	@	\$4.00	Sq. Yd.	\$138,738.40
63	20,981.4	Tons of 1/4-Inch Dense Aggregate	@	\$14.00	Ton	\$293,739.60
64	45.33	Tons of 1/4-Inch Crushed Stone Backfill (Includes Undercut)	@	\$11.00	Ton	\$498.63
65	126.65	Tons of 3-Inch Crushed Stone Backfill (Includes Undercut)	@	\$11.00	Ton	\$1,393.15
66	0	Sq. Yds. of Geotextile Fabric, Type SAS	@	\$2.00	Sq. Yd.	\$0.00
67	6,850	Lin. Ft. of Shaping and Grading Roadway Base	@	\$10.00	Lin. Ft.	\$68,500.00
68	15,823.40	Lin. Ft. of 30-Inch Combination Concrete Curb and Gutter	@	\$14.00	Lin. Ft.	\$221,527.60
69	69.6	Lin. Ft. of Concrete Barrier Curb	@	\$50.00	Lin. Ft.	\$3,480.00
70	69.2	Lin. Ft. of Concrete Curb and Gutter Removal and Replacement	@	\$70.00	Lin. Ft.	\$4,844.00
71	17,264.1	Sq. Ft. of Concrete Pavement Removal and Replacement	@	\$6.50	Sq. Ft.	\$112,216.65
72	31,956.6	Sq. Ft. of 9-Inch Concrete Pavement, Doweled	@	\$35.00	Sq. Ft.	\$1,118,481.00
73	3,500.1	Sq. Ft. of 4-Inch HMA Pavement	@	\$8.50	Sq. Ft.	\$29,750.85
74	1,434	Sq. Ft. of 5-Inch HMA Transition Pavement	@	\$8.75	Sq. Ft.	\$12,547.50
75	0	Sq. Ft. of 7-Inch HMA Transition Pavement	@	\$10.00	Sq. Ft.	\$0.00
76	19,733.8	Sq. Ft. of Walk and Drive Approach Removal	@	\$2.00	Sq. Ft.	\$39,467.60
77	39,940.7	Sq. Ft. of New 4-Inch Concrete Walk and Curb Ramps	@	\$4.40	Sq. Ft.	\$175,739.08
78	46.5	Lin. Ft. of Concrete Curb - Pedestrian	@	\$50.00	Lin. Ft.	\$2,325.00
79	15,264.3	Sq. Ft. of New 6-Inch Concrete Walk and Drive Approach	@	\$4.70	Sq. Ft.	\$71,742.21
80	9,728	Sq. Ft. of New 7-Inch Concrete Walk and Drive Approach	@	\$4.90	Sq. Ft.	\$47,667.20
81	57	Sq. Ft. of Concrete Slope Nose	@	\$10.00	Sq. Ft.	\$570.00
82	496	Sq. Ft. of Detectable Warning Field	@	\$45.00	Sq. Ft.	\$22,320.00
83	0	Extra Bags of Cement for High-Early-Strength Concrete	@	\$10.00	Each	\$0.00
84	0	Lin. Ft. of Grooved in Place Pavement Markings, Yellow, Preformed Plastic, 4-Inch	@	\$3.70	Lin. Ft.	\$0.00
85	6,069.9	Lin. Ft. of Pavement Markings, White, 4-Inch, Epoxy	@	\$1.05	Lin. Ft.	\$6,373.40
86	0	Lin. Ft. of Grooved in Place Pavement Markings, White 10-Ft Dash, 30-Ft Skip, Preformed Plastic, 4-Inch	@	\$3.70	Lin. Ft.	\$0.00
87	0	Lin. Ft. of Grooved in Place Pavement Markings, White, Preformed Plastic, 8-Inch	@	\$6.00	Lin. Ft.	\$0.00
88	0	Lin. Ft. of Grooved in Place Pavement Markings, White 3-Ft Dash, 9-Ft Skip, Preformed Plastic, 8-Inch	@	\$6.00	Lin. Ft.	\$0.00
89	0	Lin. Ft. of Grooved in Place Pavement Markings, White, Preformed Thermoplastic, 6-Inch	@	\$16.50	Lin. Ft.	\$0.00
90	0	Lin. Ft. of Grooved in Place Pavement Markings, White, Preformed Thermoplastic, 18-Inch	@	\$27.50	Lin. Ft.	\$0.00
91	0	Thermoplastic Grooved in Place Pavement Markings, Arrows, Type 2, White, Preformed	@	\$615.00	Each	\$0.00
92	0	Grooved in Place Pavement Markings, Words, Only, White, Preformed Thermoplastic	@	\$775.00	Each	\$0.00
93	0	Grooved in Place Pavement Markings, Arrows, Type 3, White, Preformed Thermoplastic	@	\$850.00	Each	\$0.00
94	237.8	Lin. Ft. of Pavement Markings, Curb Head, Yellow, Epoxy	@	\$8.00	Lin. Ft.	\$1,902.40
95	0	Lin. Ft. of Grooved in Place Pavement Markings, Yellow, Preformed Plastic, 12-Inch	@	\$17.50	Lin. Ft.	\$0.00
96	0	Lin. Ft. of Grooved in Place Pavement Markings, White, Preformed Plastic, 12-Inch	@	\$17.50	Lin. Ft.	\$0.00
97	0	Lin. Ft. of Grooved in Place Pavement Markings, Arrows, Type 6, White, Preformed Thermoplastic	@	\$1,000.00	Lin. Ft.	\$0.00
98	69	Clearing and Grubbing	@	\$70.00	Inch Dia.	\$4,830.00
99	8,942.8	Sq. Yds. of Topsoil and Sod (Includes Stripping)	@	\$7.25	Sq. Yd.	\$64,835.30
100	0	Lin. Ft. of Silt Fence, Delivered, Installed and Maintained	@	\$2.00	Lin. Ft.	\$0.00
101	0	Straw Bales Delivered, Installed and Maintained	@	\$10.00	Each	\$0.00
102	0	Lin. Ft. of Erosion Log Sediment Barrier Delivered, Installed and Maintained	@	\$6.00	Lin. Ft.	\$0.00
103	81	Filter Fabric Inlet Protection	@	\$50.00	Each	\$4,050.00
104	1	Temporary Street Lighting	@	\$56,766.34	Lump Sum	\$56,766.34
105	7,128	Lin. Ft. of Non Metallic Conduit, Street Light, Polyethylene Duct, Black, 2-Inch	@	\$6.38	Lin. Ft.	\$45,476.64
106	6,769	Lin. Ft. of Non Metallic Conduit, Communications, Polyethylene Duct, Orange, 3-Inch	@	\$7.84	Lin. Ft.	\$53,068.96
107	25	Street Light Pull Boxes, 15-Inch x 30-Inch	@	\$694.86	Each	\$17,371.50
108	22	Communications Pull Boxes, 24-Inch x 36-Inch	@	\$746.79	Each	\$16,429.38
109	44	Concrete Bases, Type 5	@	\$719.61	Each	\$31,662.84
110	2	Street Light Controller	@	\$6,653.33	Each	\$13,306.66
111	1	Relocate existing overhead sign structure (Delafield St)	@	\$451.90	Each	\$451.90
112	1	Relocate existing overhead sign structure with luminaire (North St.)	@	\$451.90	Each	\$451.90
113	2	Type 2 Concrete Base for Overhead Sign Structure (Delafield St and North St.)	@	\$830.53	Each	\$1,661.06
114	8,982	Lin. Ft. of Furnish and install 6-CT Fiber Optic Cable	@	\$1.40	Lin. Ft.	\$12,574.80

115	1	Modify Existing Signal Cabinet at Summit & Moreland for Fiber Optic Connection	@	\$5,244.75	Lump Sum	\$5,244.75
116	1	Install Fiber Optic Communication at Summit & Delafield Signal Cabinet	@	\$3,589.79	Lump Sum	\$3,589.79
117	1	Install Fiber Optic Communications at Delafield & Madison / North St Signal Cabinet	@	\$3,979.19	Lump Sum	\$3,979.19
118	1	Remove Salvage and Reinstall Fiber Optic Cable at Delafield & Madison Traffic Signal	@	\$4,943.83	Lump Sum	\$4,943.83
119	1,752	Lin. Ft. of Remove Existing Copper Communication Cable (North St.)	@	\$0.68	Lin. Ft.	\$1,191.36
120	1	Modify Existing Signal Cabinet at St Paul & North St. / Wisconsin for Fiber Optic Connection	@	\$5,390.77	Lump Sum	\$5,390.77
121	366	Lin. Ft. of 652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	@	\$4.78	Lin. Ft.	\$1,749.48
122	1,233	Lin. Ft. of 652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	@	\$5.95	Lin. Ft.	\$7,336.35
123	1,052	Lin. Ft. of 652.0615 Conduit Special 3-Inch	@	\$16.70	Lin. Ft.	\$17,568.40
124	21	653.0140 Pull Boxes Steel 24X42-Inch	@	\$756.33	Each	\$15,882.93
125	12	654.0101 Concrete Bases Type I	@	\$544.95	Each	\$6,539.40
126	12	654.0102 Concrete Bases Type 2	@	\$830.53	Each	\$9,966.36
127	1	654.0217 Concrete Control Cabinet Bases Type 9 Special	@	\$1,692.09	Each	\$1,692.09
128	1,075	Lin. Ft. of 655.0230 Cable Traffic Signal 5-14 AWG	@	\$1.06	Lin. Ft.	\$1,139.50
129	2,618	Lin. Ft. of 655.0240 Cable Traffic Signal 7-14 AWG	@	\$1.22	Lin. Ft.	\$3,193.96
130	5,118	Lin. Ft. of 655.0260 Cable Traffic Signal 12-14 AWG	@	\$1.77	Lin. Ft.	\$9,058.86
131	1,279	Lin. Ft. of 655.0320 Cable Type UF 2-10 AWG Grounded	@	\$0.85	Lin. Ft.	\$1,087.15
132	3,747	Lin. Ft. of 655.0515 Electrical Wire Traffic Signals 10 AWG	@	\$0.76	Lin. Ft.	\$2,847.72
133	1,376	Lin. Ft. of 655.0615 Electrical Wire Lighting 10 AWG	@	\$0.76	Lin. Ft.	\$1,045.76
134	1	656.0200.01 Electrical Service Meter Breaker Pedestal - Delafield & Summit	@	\$1,159.16	Lump Sum	\$1,159.16
135	13	657.0100 Pedestal Bases	@	\$269.11	Each	\$3,498.43
136	11	657.0255 Transformer Bases Breakaway 1 1/2-Inch Bolt Circle	@	\$402.97	Each	\$4,432.67
137	2	657.0305 Poles Type 2	@	\$1,157.85	Each	\$2,315.70
138	9	657.0310 Poles Type 3	@	\$2,551.17	Each	\$22,960.53
139	7	657.0420 Traffic Signal Standards Aluminum 13-Ft.	@	\$634.18	Each	\$4,439.26
140	3	657.0425 Traffic Signal Standards Aluminum 15-Ft.	@	\$670.68	Each	\$2,012.04
141	3	657.0430 Traffic Signal Standards Aluminum 10-Ft.	@	\$394.85	Each	\$1,184.55
142	2	657.0585 Trombone Arms 15-Ft.	@	\$1,434.74	Each	\$2,869.48
143	3	657.0590 Trombone Arms 20-Ft.	@	\$1,438.14	Each	\$4,314.42
144	2	657.0595 Trombone Arms 25-Ft.	@	\$1,669.35	Each	\$3,338.70
145	11	657.0615 Luminaire Arms Single Member 4 1/2-Inch Clamp 8-Ft.	@	\$295.87	Each	\$3,254.57
146	25	658.0110 Traffic Signal Face 3-12 Inch Vertical	@	\$420.71	Each	\$10,517.75
147	4	658.0120 Traffic Signal Face 5-12 Inch Vertical	@	\$619.15	Each	\$2,476.60
148	25	658.0215 Backplates Signal Face 3 Section 12-Inch	@	\$89.32	Each	\$2,233.00
149	4	658.0225 Backplates Signal Face 5 Section 12-Inch	@	\$100.60	Each	\$402.40
150	18	658.0416 Pedestrian Signal Face 16-Inch	@	\$267.62	Each	\$4,817.16
151	25	658.0600 LED Modules 12-Inch Red Ball	@	\$51.11	Each	\$1,277.75
152	25	658.0605 LED Modules 12-Inch Yellow Ball	@	\$52.33	Each	\$1,308.25
153	25	658.0610 LED Modules 12-Inch Green Ball	@	\$53.54	Each	\$1,338.50
154	4	658.0615 LED Modules 12-Inch Red Arrow	@	\$51.11	Each	\$204.44
155	12	658.0620 LED Modules 12-Inch Yellow Arrow	@	\$52.33	Each	\$627.96
156	4	658.0625 LED Modules 12-Inch Green Arrow	@	\$53.54	Each	\$214.16
157	18	658.0635 LED Modules Pedestrian Countdown Timer 16-Inch	@	\$268.13	Each	\$4,826.34
158	1	658.5069.01 Signal Mounting Hardware - Delafield, North & Madison	@	\$2,935.96	Lump Sum	\$2,935.96
159	1	658.5069.01 Signal Mounting Hardware - Delafield & Summit	@	\$3,027.22	Lump Sum	\$3,027.22
160	1	661.0200.01 Temporary Traffic Signals For Intersections - Delafield, North & Madison	@	\$28,967.58	Lump Sum	\$28,967.58
161	11	SPV.0060.01 LED Luminaires	@	\$882.65	Each	\$9,709.15
162	1	SPV.0060.02 Traffic Signal Controller and Cabinet 8-Phase Fully Actuated	@	\$16,209.30	Each	\$16,209.30
163	1	SPV.0105.01 Removing and Reinstalling Video Vehicle Detection System - Delafield, North & Madison	@	\$5,301.69	Each	\$5,301.69
164	1	SPV.0105.02 Video Vehicle Detection System - Delafield & Summit	@	\$23,980.77	Each	\$23,980.77
165	1	SPV.0105.03 Emergency Vehicle Preemption System - Delafield, North & Madison	@	\$9,856.47	Lump Sum	\$9,856.47
166	1	SPV.0105.04 Emergency Vehicle Preemption System - Delafield & Summit	@	\$9,856.47	Lump Sum	\$9,856.47
167	1	SPV.0105.05 Remove Traffic Signals and Street Lighting - Delafield, North & Madison	@	\$3,115.45	Lump Sum	\$3,115.45
168	1	SPV.0105.06 Audible Pedestrian Push Button System - Delafield, North & Madison	@	\$7,849.94	Lump Sum	\$7,849.94
169	1	SPV.0105.07 Audible Pedestrian Push Button System - Delafield & Summit	@	\$6,633.06	Lump Sum	\$6,633.06
170	1	SPV.0105.08 Temporary Non-Intrusive Vehicle Detection System for Intersections - Delafield, North & Madison	@	\$12,430.95	Lump Sum	\$12,430.95

171	1		@	\$1,460.25	Lump Sum	\$1,460.25
		SPV.0105.09 Modify Traffic Signals - Delafield, North & Madison				
172	1	SPV.0105.10 Remove Traffic Signals and Street Lighting - Delafield & Summit	@	\$4,153.93	Lump Sum	\$4,153.93
Extra No. 1	1	Temporary Lighting Feed to Lower City Hall Lot	@	\$1,108.27	Lump Sum	\$1,108.27
Extra No. 2	1,726.5	4-Inch Colored Stamped Concrete	@	\$10.00	Sq. Ft.	\$17,265.00
Extra No. 3	11,250	Pavement Marking, Yellow, 4-Inch, Epoxy	@	\$1.32	Lin. Ft.	\$14,850.00
Extra No. 4	265	Pavement Marking, White, 8-Inch, 3/9 Dash, Epoxy	@	\$2.64	Lin. Ft.	\$700.39
Extra No. 5	1,424	Pavement Marking, White, 8-Inch, Epoxy	@	\$2.64	Lin. Ft.	\$3,759.36
Extra No. 6	2,149.4	Pavement Marking, White, 6-Inch, Crosswalk, Epoxy	@	\$12.38	Lin. Ft.	\$26,609.57
Extra No. 7	11	Pavement Marking, Type 2 Arrow, Epoxy	@	\$330.00	Each	\$3,630.00
Extra No. 8	8	Pavement Marking, Words, Only, Epoxy	@	\$335.50	Each	\$2,684.00
Extra No. 9	4	Pavement Marking, Type 3 Arrow, Epoxy	@	\$379.50	Each	\$1,518.00
Extra No. 10	160	Pavement Marking, Yellow, Diagonal, 12-Inch, Epoxy	@	\$12.10	Lin. Ft.	\$1,936.00
Extra No. 11	2	Pavement Marking, Type 6 Arrow, Epoxy	@	\$381.52	Each	\$763.04
Extra No. 12	120	Pavement Marking, White, 4-Inch, 10/30 Dash, Epoxy	@	\$1.43	Lin. Ft.	\$171.60
Extra No. 13	34	Pavement Marking, White, Diagonal, 12-Inch, Epoxy	@	\$12.10	Lin. Ft.	\$411.40
Extra No. 14	1	Relay Existing Sanitary Sewer at Connection to Existing Manhole #1110 Due to conflict with Proposed	@	\$3,593.98	Lump Sum	\$3,593.98
Extra No. 15	38	Transport and Install LED Heads on Slagged Poles	@	\$87.50	Each	\$3,325.00
Extra No. 16	1	Excavate and Remove City's TV Camera from Collapsed Lateral	@	\$1,382.19	Lump Sum	\$1,382.19
Extra No. 17	1	Remove and Reset Storm Inlet (To be billed to WE-Energies)	@	\$4,160.32	Lump Sum	\$4,160.32
Extra No. 18	2	Install Service Entrance Rated Disconnects on Lighting Cabinets	@	\$2,194.09	Each	\$4,388.18
Extra No. 19	1	Deduct for Repair of Fiber Optic Damaged on 7/9/16	@	-\$30,657.94	Each	-\$30,657.94
Extra No. 20	1	Deduct for Repair of Fiber Optic Damaged on 8/16/16	@	-\$3,358.25	Each	-\$3,358.25
Extra No. 21	1	Traffic Control for Pavement Patching Northview Rd and Grandview Blvd	@	\$4,500.00	Lump Sum	\$4,500.00
Extra No. 22	1	Remove and Install Street Light Phase 3	@	\$3,950.00	Lump Sum	\$3,950.00
Extra No. 23	1	Provide and Install Louvered Visors	@	\$3,824.00	Lump Sum	\$3,824.00
Extra No. 24	1	Repair Previously Damaged Fiber Optic Conduit	@	\$2,337.12	Lump Sum	\$2,337.12
Extra No. 25	1	Relocate Fiber Box	@	\$632.88	Lump Sum	\$632.88
Extra No. 26	1	Concrete Control Cabinet Bases (2 Total)	@	\$3,170.00	Lump Sum	\$3,170.00
Extra No. 27	384	Pavement Marking, Epoxy, Stop Line, 18-Inch	@	\$15.40	Lin. Ft.	\$5,913.60
Subtotal						\$5,360,853.64
Less Retainage						\$30,000.00
Total						\$5,330,853.64
Less Amount Previously Paid						\$5,144,475.72
Total Amount Due						\$186,377.92

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$186,377.92 be allowed.

Respectfully Submitted,


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