




45	1	Traffic Control - W. Moreland Blvd. and N. Hine Avenue	@	\$3,000.00	Lump Sum	\$3,000.00
46	1	Traffic Control - Ellsworth Place	@	\$1,500.00	Lump Sum	\$1,500.00
47	0	Water Valve Adjustment	@	\$200.00	Each	\$0.00
48	2,780	Grooved in Place Pavement Markings, Yellow, Preformed Plastic, 4-Inch	@	\$3.25	Lin. Ft.	\$9,035.00
49	1,515	Grooved in Place Pavement Markings, White, Preformed Plastic, 4-Inch	@	\$3.25	Lin. Ft.	\$4,923.75
50	190	Grooved in Place Pavement Markings, White, Preformed Plastic, 8-Inch	@	\$5.56	Lin. Ft.	\$1,056.40
51	875	Grooved in Place Pavement Markings, Crosswalk, White, Thermoplastic Plastic, 6-Inch	@	\$16.23	Lin. Ft.	\$14,201.25
52	180	Grooved in Place Pavement Markings, Stop Line, White, Thermoplastic Plastic, 18-Inch	@	\$25.85	Lin. Ft.	\$4,653.00
53	208	Grooved in Place Pavement Markings, Ladder, White, Thermoplastic Plastic, 12-Inch	@	\$22.88	Lin. Ft.	\$4,759.04
54	60	Grooved in Place Pavement Markings, Yellow, Preformed Plastic, 12-Inch	@	\$20.90	Lin. Ft.	\$1,254.00
55	5	Grooved in Place Pavement Markings, Arrows, Type 2, White, Preformed Plastic	@	\$440.00	Each	\$2,200.00
56	2	Grooved in Place Pavement Markings, Words, ONLY, White, Preformed Plastic	@	\$544.50	Each	\$1,089.00
57	0	Grooved in Place Pavement Markings, Bike Lane Symbol, Preformed Plastic	@	\$374.00	Each	\$0.00
58	0	Grooved in Place Pavement Markings, Bike Lane Arrow, Preformed Plastic	@	\$286.00	Each	\$0.00
59	0	Pavement Markings, Island Nose, Epoxy, Yellow	@	\$8.80	Sq. Ft.	\$0.00
60	0	Pavement Markings, Curb, Epoxy, Yellow	@	\$8.80	Lin. Ft.	\$0.00
61	705	652.0225 - Conduit Rigid Nonmetallic Schedule 40 2-Inch	@	\$7.49	Lin. Ft.	\$5,280.45
62	1,375	652.0235 - Conduit Rigid Nonmetallic Schedule 40 3-Inch	@	\$8.42	Lin. Ft.	\$11,577.50
63	22	653.014 - Pull Boxes Steel 24x42-Inch	@	\$790.00	Each	\$17,380.00
64	15	654.0101 - Concrete Bases, Type 1	@	\$675.00	Each	\$10,125.00
65	6	654.0102 - Concrete Bases, Type 2	@	\$875.00	Each	\$5,250.00
66	1	654.0217.01 - Concrete Control Cabinet Bases Type 9 Special (Moreland & Hine)	@	\$1,740.00	Each	\$1,740.00
67	1	654.0217.02 - Concrete Control Cabinet Bases Type 9 Special (Moreland & Pewaukee)	@	\$1,740.00	Each	\$1,740.00
68	3,475	655.024 - Cable Traffic Signal 7-14 AWG	@	\$1.34	Lin. Ft.	\$4,656.50
69	1,625	655.026 - Cable Traffic Signal 12-14 AWG	@	\$1.77	Lin. Ft.	\$2,876.25
70	730	655.0305 - Cable, Type UF, 2-12 AWG Grounded	@	\$0.99	Lin. Ft.	\$722.70
71	1,600	655.0515 - Electrical Wire, Traffic Signals, 10 AWG	@	\$0.94	Lin. Ft.	\$1,504.00
72	325	655.061 - Electrical Wire, Lighting, 12 AWG	@	\$0.78	Lin. Ft.	\$253.50
73	1	656.0200.01 - Electrical Service Meter Breaker Pedestal (Moreland & Hine)	@	\$1,080.00	Lump Sum	\$1,080.00
74	1	656.0200.02 - Electrical Service Meter Breaker Pedestal (Moreland & Pewaukee)	@	\$1,080.00	Lump Sum	\$1,080.00
75	10	657.01 - Pedestal Bases	@	\$162.00	Each	\$1,620.00
76	5	657.0255 - Transformer Bases, Breakaway 11 1/2-Inch Bolt C	@	\$325.00	Each	\$1,625.00
77	2	657.0305 - Poles Type 2	@	\$1,450.00	Each	\$2,900.00
78	3	657.0315 - Poles Type 4	@	\$1,375.00	Each	\$4,125.00
79	2	657.0425 - Traffic Signal Standards, Aluminum, 15-FT	@	\$360.00	Each	\$720.00
80	8	657.043 - Traffic Signal Standards, Aluminum, 10-FT	@	\$290.00	Each	\$2,320.00
81	2	657.059 - Trombone Arms, 20-FT	@	\$1,030.00	Each	\$2,060.00
82	4	657.0704 - Luminaire Arms Single Member 4-Inch Clamp 8 - FT	@	\$186.00	Each	\$744.00

83	21	658.011 – Traffic Signal Faces, 3-12 Inch Vertical	@	\$522.00	Each	\$10,962.00
84	5	658.0115 - Traffic Signal Faces, 4-12 Inch Vertical	@	\$712.00	Each	\$3,560.00
85	21	658.0215 - Backplates, 3-Section 12-Inch	@	\$94.00	Each	\$1,974.00
86	5	658.022 - Backplates, 4-Section 12-Inch	@	\$105.00	Each	\$525.00
87	8	658.0416 – Pedestrian Signal Faces 16-Inch	@	\$320.00	Each	\$2,560.00
88	12	658.06 - LED Modules 12-Inch Red Ball	@	\$51.00	Each	\$612.00
89	12	658.0605 - LED Modules 12-Inch Yellow Ball	@	\$52.00	Each	\$624.00
90	12	658.061 - LED Modules 12-Inch Green Ball	@	\$53.00	Each	\$636.00
91	14	658.0615 - LED Modules 12-Inch Red Arrow	@	\$51.00	Each	\$714.00
92	14	658.062 - LED Modules 12-Inch Yellow Arrow	@	\$52.00	Each	\$728.00
93	5	658.0625 - LED Modules 12-Inch Green Arrow	@	\$53.00	Each	\$265.00
94	8	658.0635 - LED Modules Pedestrian Countdown Timer 16-Inch	@	\$145.00	Each	\$1,160.00
95	1	658.5069.01 – Signal Mounting Hardware (Moreland & Hine)	@	\$1,890.00	Lump Sum	\$1,890.00
96	1	658.5069.02 – Signal Mounting Hardware (Moreland & Pewaukee)	@	\$4,350.00	Lump Sum	\$4,350.00
97	1	SPV.0060.01 - Traffic Signal Controller and Cabinet, 8-Phase Fully Actuated (Moreland & Hine)	@	\$17,100.00	Each	\$17,100.00
98	0.5	SPV.0060.02 – Traffic Signal Controller and Cabinet, 8-Phase Fully Actuated (Moreland & Pewaukee)	@	\$17,100.00	Each	\$8,550.00
99	16	SPV.0060.03 – Pedestrian Push Buttons, Special	@	\$980.00	Each	\$15,680.00
100	6	SPV.0060.04 - LED Luminaire	@	\$852.00	Each	\$5,112.00
101	3	SPV.0060.05 – Concrete Bases Type 10, Contractor Supplies Anchor Bolts and Anchor Rod Template	@	\$3,600.00	Each	\$10,800.00
102	1	SPV.0060.06 – Concrete Bases Type 13, Contractor Supplied Anchor Bolts and Anchor Rod Template	@	\$7,900.00	Each	\$7,900.00
103	3	SPV.0060.07 – Poles Type 9	@	\$3,620.00	Each	\$10,860.00
104	1	SPV.0060.09 – Poles Type 13	@	\$9,880.00	Each	\$9,880.00
105	1	SPV.0060.10 – Monotube Arms 25-FT	@	\$3,100.00	Each	\$3,100.00
106	2	SPV.0060.11 – Monotube Arms 30-FT	@	\$3,320.00	Each	\$6,640.00
107	1	SPV.0060.12 – Monotube Arms 40-FT	@	\$7,300.00	Each	\$7,300.00
108	3	SPV.0060.13 – Contractor Provided High-Strength Bolt Assemblies for Monotube Arms Type 9 OR 10	@	\$345.00	Each	\$1,035.00
109	1	SPV.0060.14 – Contractor Provided High-Strength Bolt Assemblies for Monotube Arms Type 12 OR 13	@	\$780.00	Each	\$780.00
110	1	SPV.0060.15 – Luminaire Arms Steel 15 - FT	@	\$375.00	Each	\$375.00
111	1	SPV.0060.16 – Video Monitor (Both Intersections)	@	\$460.00	Each	\$460.00
112	1	SPV.0105.01 – Video Vehicle Detection System (Moreland & Hine)	@	\$22,600.00	Lump Sum	\$22,600.00
113	0.5	SPV.0105.02 – Video Vehicle Detection System (Moreland & Pewaukee)	@	\$22,600.00	Lump Sum	\$11,300.00
114	1	SPV.0105.03 - Remove, Salvage and Reinstall Traffic Signal and Lighting Equipment (Moreland & Hine)	@	\$8,340.00	Lump Sum	\$8,340.00
115	0.5	SPV.0105.04 – Remove and Salvage Traffic Signal and Lighting Equipment (Moreland & Pewaukee)	@	\$3,440.00	Lump Sum	\$1,720.00
116	1	SPV.0105.05 – Emergency Vehicle Preemption Detection System (Moreland & Hine)	@	\$9,220.00	Lump Sum	\$9,220.00
117	0.5	SPV.0105.06 – Emergency Vehicle Preemption Detection System (Moreland & Pewaukee)	@	\$9,220.00	Lump Sum	\$4,610.00
118	0	SPV.0105.07 – Furnish and Install Communication Cable	@	\$5,800.00	Lump Sum	\$0.00
119	0	SPV.0105.08 - Furnish and Install Overhead Sign Structure	@	\$18,700.00	Lump Sum	\$0.00
120	500	Topsoil and Sod (Includes Stripping)	@	\$7.70	Sq. Yd.	\$3,850.00
121	0	Silt Fence, Delivered, Installed and Maintained	@	\$5.50	Lin. Ft.	\$0.00
122	10	Straw Bales Delivered, Installed and Maintained	@	\$15.40	Each	\$154.00
123	10	Filter Fabric Inlet Protection	@	\$77.00	Each	\$770.00

Extra No.	3	Vacumn Excavate Type 10 Bases	@	\$1,200.00	Each	\$3,600.00
1						
Extra No.	6.0	Cu. Yds. of Closure of Type 10 Bases with Slurry	@	\$88.00	Cu. Yd.	\$528.00
2						
Extra No.	6	Traffic Signal Standard Aluminim, 13-Ft.	@	\$295.00	Each	\$1,770.00
3						
Extra No.	800	Lin. Ft. of Street Light Cable, #4R44	@	\$2.20	Lin. Ft.	\$1,760.00
4						
Extra No.	1	Lump Sum Additional Clean Up at N. Moreland Blvd.	@	\$5,230.00	Lump Sum	\$5,230.00
5						
Subtotal						<u>\$1,421,111.87</u>
Less Retainage						<u>\$46,440.76</u>
Subtotal						<u>\$1,374,671.11</u>
Less Amount Previously Paid						<u>\$850,504.16</u>
Total Amount Due						<u>\$524,166.95</u>

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$524,166.95 be allowed.

Respectfully Submitted,

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