

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

West Capitol Drive
2025-11-92
North 60th Street TO North 84th Street
MILWAUKEE COUNTY

Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
90005-1	2.5" PVC CONDUIT (ACROSS DRIVEWAY)	LF	140	\$ 172.67	\$ 8.51	\$ 1,191.76
90005-5	2" PVC CONDUIT (DIRECTIONAL BORED)	LF	560	\$ 661.46	\$ 4.12	\$ 2,306.90
90005-7	METAL PEDESTAL CABINET	EACH	13	\$ 479.83	\$ 110.54	\$ 1,437.07
90005-10	3#2/1#8 LTP UNDERGROUND CABLE	LF	500	\$ 2,033.64	\$ 6.29	\$ 3,145.41
90005-11	3#4/1#8 LTP UNDERGROUND CABLE	LF	825	\$ 2,417.31	\$ 5.15	\$ 4,251.66
90005-13	3#8/1#8 LTP UNDERGROUND CABLE	LF	1150	\$ 1,506.28	\$ 3.53	\$ 4,063.28
90005-16	3#12 UF UNDERGROUND CABLE	LF	4175	\$ 3,268.60	\$ 3.01	\$ 12,551.54
90005-17	2#12 UF UNDERGROUND CABLE	LF	565	\$ 308.79	\$ 2.77	\$ 1,565.03
90005-18	1#8 CONCENTRIC UNDERGROUND CABLE	LF	17665	\$ 33,492.34	\$ 2.88	\$ 50,835.45
90005-27	INSTALL A31 CONCRETE POLE (GRAY) INCLUDES RISER CABLE	EACH	8	\$ 6,876.09	\$ 1,125.02	\$ 9,000.17
90005-30	INSTALL AT-31R CONCRETE POLE (GRAY OR BLACK) INCLUDES RISER CABLE	EACH	5	\$ 9,278.38	\$ 2,379.64	\$ 11,898.19
90005-36	INSTALL 26 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE	EACH	1	\$ 459.37	\$ 724.91	\$ 724.91
90005-37	INSTALL 31 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE	EACH	58	\$ 32,186.74	\$ 820.45	\$ 47,586.25
90005-53	INSTALL 6'-0" 2" AL. MITCHELL UPSWEEP BRACKET	EACH	132	\$ 6,558.37	\$ 98.77	\$ 13,038.10
90005-56	INSTALL A31 MOUNTING CLAMP DOUBLE BRACKET	EACH	6	\$ 295.59	\$ 73.81	\$ 442.87
90005-70	REMOVE BRACKET AND FIXTURE COMPLETE	EACH	5	\$ 16.58	\$ 52.41	\$ 262.03
90005-71	INSTALL 100W/240V SLIPFIT FIXTURE, TYPE 2 OPTICS, & 100 WATT HIGH PRESSURE SODIUM LAMP	EACH	1	\$ 126.11	\$ 199.75	\$ 199.75
90005-75	INSTALL 150W/240V COBRA FIXTURE & 150 WATT HIGH PRESSURE SODIUM LAMP	EACH	4	\$ 458.06	\$ 188.15	\$ 752.59
90005-76	INSTALL 250W/240V COBRA FIXTURE & 250 WATT HIGH PRESSURE SODIUM LAMP	EACH	24	\$ 3,055.26	\$ 200.94	\$ 4,822.46
90005-77	INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 55 VOLT IGNITOR & 150 WATT HIGH PRESSURE SODIUM LAMP	EACH	22	\$ 2,500.89	\$ 187.31	\$ 4,120.83
90005-78	INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 100 VOLT IGNITOR & 250 WATT HIGH PRESSURE SODIUM LAMP	EACH	82	\$ 9,252.40	\$ 186.47	\$ 15,290.34
90005-92	INSTALL 100 WATT SINGLE COIL BALLAST	EACH	20	\$ 4,647.89	\$ 483.11	\$ 9,662.19
90005-93	INSTALL 100 WATT DOUBLE COIL BALLAST	EACH	7	\$ 2,002.62	\$ 536.80	\$ 3,757.62
90005-94	INSTALL 100 WATT TRIPLE COIL BALLAST	EACH	1	\$ 523.05	\$ 773.76	\$ 773.76
90005-95	INSTALL 150 WATT SINGLE COIL BALLAST	EACH	36	\$ 7,216.21	\$ 451.17	\$ 16,241.95
90005-96	INSTALL 150 WATT DOUBLE COIL BALLAST	EACH	7	\$ 2,803.51	\$ 651.22	\$ 4,558.51
90005-98	INSTALL 250 WATT DOUBLE COIL BALLAST	EACH	46	\$ 21,353.86	\$ 464.21	\$ 21,353.86
90005-99	SECONDARY SPLICE	EACH	1	\$ 3.56	\$ 117.52	\$ 117.52
90005-100	SPLICE 1#8 PRIMARY	EACH	17	\$ 72.68	\$ 141.03	\$ 2,397.51
90005-103	HAND HOLE OR PEDESTAL SPLICE	EACH	110	\$ 235.13	\$ 70.51	\$ 7,756.60
90005-106	INSTALL GROUND & TEST STATION	EACH	1	\$ 119.18	\$ 466.04	\$ 466.04

TOTAL CITY COST \$256,572.15
TOTAL EXCLUDED COSTS \$154,382.45

APPROVED BY:

ROBERT W. BRYSON
CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT

Eng-Kie Lee
REVISED: 02/20/2012

** Please note that the Total City Cost includes the embedded costs of mobilization used for calculating City Unit Costs on the attached worksheets.

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-1**
 Item: **2.5" PVC CONDUIT (ACROSS DRIVEWAY)**

Quantity: 140
 Unit: LF

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Dump Truck (Med. & Lrg.)	0.100	14.000	\$5.77	\$ 80.78
	Compressors	0.100	14.000	\$1.04	\$ 14.56
Total Machinery Charges					\$ 95.34
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Laborer Electrical Services	0.100	14.000	\$19.37	\$ 271.18
	Laborer Electrical Services	0.100	14.000	\$19.37	\$ 271.18
Sub-Total Labor Cost					\$ 542.36
Fringe Benefit Rate @ 91.84%					\$ 476.73
Total Labor Cost					\$ 1,019.09
Material Costs:	Item	Amount	Price	Total	
	2.5" PVC Conduit	140	\$0.50	\$ 70.21	
Sub-Total Material Cost				\$ 70.21	
Indirect Cost Factor @ 12.21%				\$ 7.12	
Total Material Cost				\$ 77.33	
TOTAL COST					\$ 1,191.76
Total Cost Per Unit					\$ 8.51
Total Excluded Cost					\$ 172.67

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-5**
 Item: **2" PVC CONDUIT (DIRECTIONAL BORED)**

Quantity: 560
 Unit: LF

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Compressors	0.022	12.320	\$1.04	\$ 12.81
	Constr. Equipment - Med	0.022	12.320	\$1.38	\$ 17.00
	Dump Truck (Med. & Lrg.)	0.044	24.640	\$5.77	\$ 142.17
	Trailers (Pole & Cable)	0.022	12.320	\$0.18	\$ 2.22
Total Machinery Charges					\$ 174.20
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Worker	0.022	12.320	\$22.70	\$ 279.66
	Directional Boring Operator	0.022	12.320	\$27.56	\$ 339.54
	Special Laborer Electrical Services	0.022	12.320	\$20.82	\$ 256.50
Sub-Total Labor Cost					\$ 875.70
Fringe Benefit Rate @ 91.84%					\$ 769.74
Total Labor Cost					\$ 1,645.44
Material Costs:	Item	Amount	Price	Total	
	2" PVC Continous Duct	560	\$0.79	\$ 442.40	
Sub-Total Material Cost				\$ 442.40	
Indirect Cost Factor @ 12.21%				\$ 44.86	
Total Material Cost				\$ 487.26	
TOTAL COST					\$ 2,306.90
Total Cost Per Unit					\$ 4.12
Total Excluded Cost					\$ 661.46

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-7 Item: METAL PEDESTAL CABINET						
Quantity: 13 Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Pickup	0.750	9.750	\$2.35	\$	22.91
					Total Machinery Charges	\$ 22.91
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750	9.750	\$29.55	\$	288.11
	Electrical Worker	0.750	9.750	\$22.70	\$	221.33
					Sub-Total Labor Cost	\$ 509.44
					Fringe Benefit Rate @ 91.84%	\$ 447.80
					Total Labor Cost	\$ 957.24
Material Costs:	Item	Amount	Price	Total		
	metal pedestal housing (4"x4"x36")	13	\$31.91	\$	414.85	
					Sub-Total Material Cost	\$ 414.85
					Indirect Cost Factor @ 12.21%	\$ 42.07
					Total Material Cost	\$ 456.92
					TOTAL COST	\$ 1,437.07
					Total Cost Per Unit	\$ 110.54
					Total Excluded Cost	\$ 479.83

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-10 Item: 3#2/1#8 LTP UNDERGROUND CABLE						
Quantity: 500 Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.009	4.500	\$5.77	\$	25.97
	Trailers (Pole & Cable)	0.009	4.500	\$0.18	\$	0.81
					Total Machinery Charges	\$ 26.78
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	0.009	4.500	\$31.05	\$	139.73
	Electrical Worker	0.009	4.500	\$22.70	\$	102.15
	Special Laborer Electrical Services	0.009	4.500	\$20.82	\$	93.69
	City Laborer Regular	0.009	4.500	\$18.97	\$	85.37
	City Laborer Regular	0.009	4.500	\$18.97	\$	85.37
	City Laborer Regular	0.009	4.500	\$18.97	\$	85.37
					Sub-Total Labor Cost	\$ 591.68
					Fringe Benefit Rate @ 91.84%	\$ 520.09
					Total Labor Cost	\$ 1,111.77
Material Costs:	Item	Amount	Price	Total		
	3#2/1#8 LTP cable - secondary	500	\$3.64	\$	1,822.10	
					Sub-Total Material Cost	\$ 1,822.10
					Indirect Cost Factor @ 12.21%	\$ 184.76
					Total Material Cost	\$ 2,006.86
					TOTAL COST	\$ 3,145.41
					Total Cost Per Unit	\$ 6.29
					Total Excluded Cost	\$ 2,033.64

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-11 Item: 3#4/1#8 LTP UNDERGROUND CABLE						
Quantity: 825 Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009	7.425	\$5.77	\$	42.84
	Trailers (Pole & Cable)	0.009	7.425	\$0.18	\$	1.34
					Total Machinery Charges	\$ 44.18
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009	7.425	\$31.05	\$	230.55
	Electrical Worker	0.009	7.425	\$22.70	\$	168.55
	Special Laborer Electrical Services	0.009	7.425	\$20.82	\$	154.59
	City Laborer Regular	0.009	7.425	\$18.97	\$	140.85
	City Laborer Regular	0.009	7.425	\$18.97	\$	140.85
	City Laborer Regular	0.009	7.425	\$18.97	\$	140.85
					Sub-Total Labor Cost	\$ 976.24
					Fringe Benefit Rate @ 91.84%	\$ 858.11
					Total Labor Cost	\$ 1,834.35
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	3#4/1#8 LTP cable - secondary	825		\$2.61	\$	2,154.65
					Sub-Total Material Cost	\$ 2,154.65
					Indirect Cost Factor @ 12.21%	\$ 218.48
					Total Material Cost	\$ 2,373.13
					TOTAL COST	\$ 4,251.66
					Total Cost Per Unit	\$ 5.15
					Total Excluded Cost	\$ 2,417.31

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-13 Item: 3#8/1#8 LTP UNDERGROUND CABLE						
Quantity: 1150 Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009	10.350	\$5.77	\$	59.72
	Trailers (Pole & Cable)	0.009	10.350	\$0.18	\$	1.86
					Total Machinery Charges	\$ 61.58
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009	10.350	\$31.05	\$	321.37
	Electrical Worker	0.009	10.350	\$22.70	\$	234.95
	Special Laborer Electrical Services	0.009	10.350	\$20.82	\$	215.49
	City Laborer Regular	0.009	10.350	\$18.97	\$	196.34
	City Laborer Regular	0.009	10.350	\$18.97	\$	196.34
	City Laborer Regular	0.009	10.350	\$18.97	\$	196.34
					Sub-Total Labor Cost	\$ 1,360.83
					Fringe Benefit Rate @ 91.84%	\$ 1,196.17
					Total Labor Cost	\$ 2,557.00
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	3#8/1#8 LTP cablr - secondary	1150		\$1.14	\$	1,311.69
					Sub-Total Material Cost	\$ 1,311.69
					Indirect Cost Factor @ 12.21%	\$ 133.01
					Total Material Cost	\$ 1,444.70
					TOTAL COST	\$ 4,063.28
					Total Cost Per Unit	\$ 3.53
					Total Excluded Cost	\$ 1,506.28

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-16 Item: 3#12 UF UNDERGROUND CABLE						
Quantity: 4175 Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009	37.575	\$5.77	\$	216.81
	Trailers (Pole & Cable)	0.009	37.575	\$0.18	\$	6.76
					Total Machinery Charges	\$ 223.57
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009	37.575	\$31.05	\$	1,166.70
	Electrical Worker	0.009	37.575	\$22.70	\$	852.95
	Special Laborer Electrical Services	0.009	37.575	\$20.82	\$	782.31
	City Laborer Regular	0.009	37.575	\$18.97	\$	712.80
	City Laborer Regular	0.009	37.575	\$18.97	\$	712.80
	City Laborer Regular	0.009	37.575	\$18.97	\$	712.80
					Sub-Total Labor Cost	\$ 4,940.36
					Fringe Benefit Rate @ 91.84%	\$ 4,342.58
					Total Labor Cost	\$ 9,282.94
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	3#12 UF cable - secondary	4175	\$0.66	\$	2,764.69	
					Sub-Total Material Cost	\$ 2,764.69
					Indirect Cost Factor @ 12.21%	\$ 280.34
					Total Material Cost	\$ 3,045.03
					TOTAL COST	\$ 12,551.54
					Total Cost Per Unit	\$ 3.01
					Total Excluded Cost	\$ 3,268.60

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-17 Item: 2#12 UF UNDERGROUND CABLE						
Quantity: 565 Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009	5.085	\$5.77	\$	29.34
	Trailers (Pole & Cable)	0.009	5.085	\$0.18	\$	0.92
					Total Machinery Charges	\$ 30.26
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009	5.085	\$31.05	\$	157.89
	Electrical Worker	0.009	5.085	\$22.70	\$	115.43
	Special Laborer Electrical Services	0.009	5.085	\$20.82	\$	105.87
	City Laborer Regular	0.009	5.085	\$18.97	\$	96.46
	City Laborer Regular	0.009	5.085	\$18.97	\$	96.46
	City Laborer Regular	0.009	5.085	\$18.97	\$	96.46
					Sub-Total Labor Cost	\$ 668.57
					Fringe Benefit Rate @ 91.84%	\$ 587.67
					Total Labor Cost	\$ 1,256.24
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	2#12 UF cable - secondary	565	\$0.45	\$	252.89	
					Sub-Total Material Cost	\$ 252.89
					Indirect Cost Factor @ 12.21%	\$ 25.64
					Total Material Cost	\$ 278.53
					TOTAL COST	\$ 1,565.03
					Total Cost Per Unit	\$ 2.77
					Total Excluded Cost	\$ 308.79

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-18						
Item: 1#8 CONCENTRIC UNDERGROUND CABLE						
Quantity: 17665						
Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.009	158.985	\$5.77	\$	917.34
	Trailers (Pole & Cable)	0.009	158.985	\$0.18	\$	28.62
					Total Machinery Charges	\$ 945.96
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.010	176.650	\$29.55	\$	5,220.01
	Electrical Worker	0.010	176.650	\$22.70	\$	4,009.96
					Sub-Total Labor Cost	\$ 9,229.97
					Fringe Benefit Rate @ 91.84%	\$ 8,113.14
					Total Labor Cost	\$ 17,343.11
Material Costs:	Item	Amount	Price	Total		
	1#8 concentric cable - primary	17665	\$1.67	\$ 29,550.01		
					Sub-Total Material Cost	\$ 29,550.01
					Indirect Cost Factor @ 12.21%	\$ 2,996.37
					Total Material Cost	\$ 32,546.38
					TOTAL COST	\$ 50,835.45
					Total Cost Per Unit	\$ 2.88
					Total Excluded Cost	\$ 33,492.34

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-27						
Item: INSTALL A31 CONCRETE POLE (GRAY) INCLUDES RISER CABLE						
Quantity: 8						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500	12.000	\$7.85	\$	94.20
	Dump Truck (Small)	1.500	12.000	\$3.63	\$	43.56
	Trailers (Pole & Cable)	1.500	12.000	\$0.18	\$	2.16
					Total Machinery Charges	\$ 139.92
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500	12.000	\$31.05	\$	372.60
	Electrical Worker	1.666	13.328	\$22.70	\$	302.55
	City Laborer Regular	1.500	12.000	\$18.97	\$	227.64
	City Laborer Regular	1.500	12.000	\$18.97	\$	227.64
					Sub-Total Labor Cost	\$ 1,130.43
					Fringe Benefit Rate @ 91.84%	\$ 993.65
					Total Labor Cost	\$ 2,124.08
Material Costs:	Item	Amount	Price	Total		
	A31 concrete pole direct burial (Gray)	8	\$740.00	\$ 5,920.00		
	3#12 UF cable - secondary	8	\$24.50	\$ 196.01		
					Sub-Total Material Cost	\$ 6,116.01
					Indirect Cost Factor @ 12.21%	\$ 620.16
					Total Material Cost	\$ 6,736.17
					TOTAL COST	\$ 9,000.17
					Total Cost Per Unit	\$ 1,125.02
					Total Excluded Cost	\$ 6,876.09

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-30**
 Item: **INSTALL AT-31R CONCRETE POLE (GRAY OR BLACK) INCLUDES RISER CABLE**

Quantity: 5
 Unit: EACH

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	3.000	15.000	\$7.85	\$ 117.75
	Dump Truck (Small)	3.000	15.000	\$3.63	\$ 54.45
	Trailers (Pole & Cable)	3.000	15.000	\$0.18	\$ 2.70
Total Machinery Charges					\$ 174.90
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	3.000	15.000	\$31.05	\$ 465.75
	Electrical Worker	3.167	15.833	\$22.70	\$ 359.41
	City Laborer Regular	3.000	15.000	\$18.97	\$ 284.55
	City Laborer Regular	3.000	15.000	\$18.97	\$ 284.55
Sub-Total Labor Cost					\$ 1,394.26
Fringe Benefit Rate @ 91.84%					\$ 1,225.55
Total Labor Cost					\$ 2,619.81
Material Costs:	Item	Amount	Price	Total	
	AT-31R concrete pole direct burial	5	\$1,628.57	\$ 8,142.86	
	3#12 UF cable - secondary	5	\$24.50	\$ 122.51	
Sub-Total Material Cost					\$ 8,265.37
Indirect Cost Factor @ 12.21%					\$ 838.11
Total Material Cost					\$ 9,103.48
TOTAL COST					\$ 11,898.19
Total Cost Per Unit					\$ 2,379.64
Total Excluded Cost					\$ 9,278.38

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-36**
 Item: **INSTALL 26 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE**

Quantity: 1
 Unit: EACH

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500	1.500	\$7.85	\$ 11.78
	Dump Truck (Small)	1.500	1.500	\$3.63	\$ 5.45
	Trailers (Pole & Cable)	1.500	1.500	\$0.18	\$ 0.27
Total Machinery Charges					\$ 17.50
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500	1.500	\$31.05	\$ 46.58
	Electrical Worker	1.666	1.666	\$22.70	\$ 37.82
	City Laborer Regular	1.500	1.500	\$18.97	\$ 28.46
	City Laborer Regular	1.500	1.500	\$18.97	\$ 28.46
Sub-Total Labor Cost					\$ 141.32
Fringe Benefit Rate @ 91.84%					\$ 124.22
Total Labor Cost					\$ 265.54
Material Costs:	Item	Amount	Price	Total	
	26' aluminum pole direct burial	1	\$380.00	\$ 380.00	
	3#12 UF cable - secondary	1	\$21.19	\$ 21.19	
Sub-Total Material Cost					\$ 401.19
Indirect Cost Factor @ 12.21%					\$ 40.68
Total Material Cost					\$ 441.87
TOTAL COST					\$ 724.91
Total Cost Per Unit					\$ 724.91
Total Excluded Cost					\$ 459.37

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-37						
Item: INSTALL 31 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE						
Quantity: 58						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500	87.000	\$7.85	\$	682.95
	Dump Truck (Small)	1.500	87.000	\$3.63	\$	315.81
	Trailers (Pole & Cable)	1.500	87.000	\$0.18	\$	15.66
				Total Machinery Charges	\$	1,014.42
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500	87.000	\$31.05	\$	2,701.35
	Electrical Worker	1.666	96.628	\$22.70	\$	2,193.46
	City Laborer Regular	1.500	87.000	\$18.97	\$	1,650.39
	City Laborer Regular	1.500	87.000	\$18.97	\$	1,650.39
				Sub-Total Labor Cost	\$	8,195.59
				Fringe Benefit Rate @ 91.84%	\$	7,203.92
				Total Labor Cost	\$	15,399.51
Material Costs:	Item	Amount		Price	Total	
	31' aluminum pole direct burial	58		\$463.47	\$	26,881.37
	3#12 UF cable - secondary	58		\$24.50	\$	1,421.08
				Sub-Total Material Cost	\$	28,302.45
				Indirect Cost Factor @ 12.21%	\$	2,869.87
				Total Material Cost	\$	31,172.32
				TOTAL COST	\$	47,586.25
				Total Cost Per Unit	\$	820.45
				Total Excluded Cost	\$	32,186.74

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-53						
Item: INSTALL 6'-0" 2" AL. MITCHELL UPSWEEP BRACKET						
Quantity: 132						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.500	66.000	\$6.63	\$	437.58
				Total Machinery Charges	\$	437.58
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.500	66.000	\$29.55	\$	1,950.30
	Electrical Worker	0.500	66.000	\$22.70	\$	1,498.20
				Sub-Total Labor Cost	\$	3,448.50
				Fringe Benefit Rate @ 91.84%	\$	3,031.23
				Total Labor Cost	\$	6,479.73
Material Costs:	Item	Amount		Price	Total	
	Mitchell 6' upsweep bracket	132		\$42.10	\$	5,557.28
				Sub-Total Material Cost	\$	5,557.28
				Indirect Cost Factor @ 12.21%	\$	563.51
				Total Material Cost	\$	6,120.79
				TOTAL COST	\$	13,038.10
				Total Cost Per Unit	\$	98.77
				Total Excluded Cost	\$	6,558.37

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-56**
 Item: **INSTALL A31 MOUNTING CLAMP DOUBLE BRACKET**
 Quantity: 6
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.250	1.500	\$6.63	\$ 9.95
Total Machinery Charges						\$ 9.95
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.250	1.500	\$29.55	\$ 44.33
		Electrical Worker	0.250	1.500	\$22.70	\$ 34.05
Sub-Total Labor Cost						\$ 78.38
Fringe Benefit Rate @ 91.84%						\$ 68.90
Total Labor Cost						\$ 147.28
Material Costs:		Item	Amount	Price	Total	
		A31 mounting clamp double bracket	6	\$43.22	\$ 259.34	
Sub-Total Material Cost						\$ 259.34
Indirect Cost Factor @ 12.21%						\$ 26.30
Total Material Cost						\$ 285.64
TOTAL COST						\$ 442.87
Total Cost Per Unit						\$ 73.81
Total Excluded Cost						\$ 295.59

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-70**
 Item: **REMOVE BRACKET AND FIXTURE COMPLETE**
 Quantity: 5
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500	2.500	\$6.63	\$ 16.58
Total Machinery Charges						\$ 16.58
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500	2.500	\$29.55	\$ 73.88
		Electrical Worker	0.500	2.500	\$22.70	\$ 56.75
Sub-Total Labor Cost						\$ 130.63
Fringe Benefit Rate @ 91.84%						\$ 114.82
Total Labor Cost						\$ 245.45
Material Costs:		Item	Amount	Price	Total	
			5		\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ 262.03
Total Cost Per Unit						\$ 52.41
Total Excluded Cost						\$ 16.58

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-71**
 Item: **INSTALL 100W/240V SLIPFIT FIXTURE, TYPE 2 OPTICS, & 100 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity: 1
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.750	0.750	\$6.63	\$ 4.97
Total Machinery Charges						\$ 4.97
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.750	0.750	\$29.55	\$ 22.16
		Electrical Worker	0.750	0.750	\$22.70	\$ 17.03
Sub-Total Labor Cost						\$ 39.19
Fringe Benefit Rate @ 91.84%						\$ 34.45
Total Labor Cost						\$ 73.64
Material Costs:		Item	Amount	Price	Total	
		slip fit head 100w/240v.	1	\$59.74	\$ 59.74	
		type II optical assembly	1	\$38.61	\$ 38.61	
		100 watt H.P.S lamp	1	\$11.64	\$ 11.64	
Sub-Total Material Cost						\$ 109.99
Indirect Cost Factor @ 12.21%						\$ 11.15
Total Material Cost						\$ 121.14
TOTAL COST						\$ 199.75
Total Cost Per Unit						\$ 199.75
Total Excluded Cost						\$ 126.11

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-75**
 Item: **INSTALL 150W/240V COBRA FIXTURE & 150 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity: 4
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.750	3.000	\$6.63	\$ 19.89
Total Machinery Charges						\$ 19.89
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.750	3.000	\$29.55	\$ 88.65
		Electrical Worker	0.750	3.000	\$22.70	\$ 68.10
Sub-Total Labor Cost						\$ 156.75
Fringe Benefit Rate @ 91.84%						\$ 137.78
Total Labor Cost						\$ 294.53
Material Costs:		Item	Amount	Price	Total	
		150 watt/240 volt cobra fixture	4	\$89.29	\$ 357.16	
		150 watt H.P.S. lamp	4	\$10.17	\$ 40.67	
Sub-Total Material Cost						\$ 397.83
Indirect Cost Factor @ 12.21%						\$ 40.34
Total Material Cost						\$ 438.17
TOTAL COST						\$ 752.59
Total Cost Per Unit						\$ 188.15
Total Excluded Cost						\$ 458.06

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-76						
Item: INSTALL 250W/240V COBRA FIXTURE & 250 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: 24						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.750	18.000	\$6.63	\$	119.34
					Total Machinery Charges	\$ 119.34
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750	18.000	\$29.55	\$	531.90
	Electrical Worker	0.750	18.000	\$22.70	\$	408.60
					Sub-Total Labor Cost	\$ 940.50
					Fringe Benefit Rate @ 91.84%	\$ 826.70
					Total Labor Cost	\$ 1,767.20
Material Costs:	Item	Amount	Price	Total		
	250 watt/240 volt cobra fixture	24	\$100.70	\$	2,416.80	
	250 watt H.P.S. lamp	24	\$10.37	\$	248.83	
					Sub-Total Material Cost	\$ 2,665.63
					Indirect Cost Factor @ 12.21%	\$ 270.29
					Total Material Cost	\$ 2,935.92
					TOTAL COST	\$ 4,822.46
					Total Cost Per Unit	\$ 200.94
					Total Excluded Cost	\$ 3,055.26

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-77						
Item: INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 55 VOLT IGNITOR & 150 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: 22						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.750	16.500	\$6.63	\$	109.40
					Total Machinery Charges	\$ 109.40
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750	16.500	\$29.55	\$	487.58
	Electrical Worker	0.750	16.500	\$22.70	\$	374.55
					Sub-Total Labor Cost	\$ 862.13
					Fringe Benefit Rate @ 91.84%	\$ 757.81
					Total Labor Cost	\$ 1,619.94
Material Costs:	Item	Amount	Price	Total		
	150/250 watt cobra no-ballast	22	\$54.96	\$	1,209.12	
	150 watt H.P.S. lamp	22	\$10.17	\$	223.66	
	55 volt starting aid (ignitor)	22	\$33.57	\$	738.54	
					Sub-Total Material Cost	\$ 2,171.32
					Indirect Cost Factor @ 12.21%	\$ 220.17
					Total Material Cost	\$ 2,391.49
					TOTAL COST	\$ 4,120.83
					Total Cost Per Unit	\$ 187.31
					Total Excluded Cost	\$ 2,500.89

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-78**
 Item: **INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 100 VOLT IGNITOR & 250 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity: 82
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750	61.500	\$6.63	\$ 407.75
Total Machinery Charges					\$ 407.75
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750	61.500	\$29.55	\$ 1,817.33
	Electrical Worker	0.750	61.500	\$22.70	\$ 1,396.05
Sub-Total Labor Cost					\$ 3,213.38
Fringe Benefit Rate @ 91.84%					\$ 2,824.56
Total Labor Cost					\$ 6,037.94
Material Costs:	Item	Amount	Price	Total	
	150/250 watt cobra no-ballast	82	\$54.96	\$ 4,506.72	
	250 watt H.P.S. lamp	82	\$10.37	\$ 850.17	
	100 volt starting aid (ignitor)	82	\$32.60	\$ 2,673.49	
Sub-Total Material Cost					\$ 8,030.37
Indirect Cost Factor @ 12.21%					\$ 814.28
Total Material Cost					\$ 8,844.65
TOTAL COST					\$ 15,290.34
Total Cost Per Unit					\$ 186.47
Total Excluded Cost					\$ 9,252.40

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-92**
 Item: **INSTALL 100 WATT SINGLE COIL BALLAST**
 Quantity: 20
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75	55.000	\$2.85	\$ 156.75
Total Machinery Charges					\$ 156.75
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75	55.000	\$29.55	\$ 1,625.25
	City Laborer Regular	2.75	55.000	\$18.97	\$ 1,043.35
Sub-Total Labor Cost					\$ 2,668.60
Fringe Benefit Rate @ 91.84%					\$ 2,345.70
Total Labor Cost					\$ 5,014.30
Material Costs:	Item	Amount	Price	Total	
	100 watt HPS single coil series ballast	20	\$203.88	\$ 4,077.66	
Sub-Total Material Cost					\$ 4,077.66
Indirect Cost Factor @ 12.21%					\$ 413.48
Total Material Cost					\$ 4,491.14
TOTAL COST					\$ 9,662.19
Total Cost Per Unit					\$ 483.11
Total Excluded Cost					\$ 4,647.89

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-93						
Item: INSTALL 100 WATT DOUBLE COIL BALLAST						
Quantity: 7						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.75	19.250	\$2.85	\$	54.86
					Total Machinery Charges	\$ 54.86
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.75	19.250	\$29.55	\$	568.84
	City Laborer Regular	2.75	19.250	\$18.97	\$	365.17
					Sub-Total Labor Cost	\$ 934.01
					Fringe Benefit Rate @ 91.84%	\$ 820.99
					Total Labor Cost	\$ 1,755.00
Material Costs:	Item	Amount	Price	Total		
	100 watt HPS double coil series ballast	7	\$252.63	\$	1,768.44	
					Sub-Total Material Cost	\$ 1,768.44
					Indirect Cost Factor @ 12.21%	\$ 179.32
					Total Material Cost	\$ 1,947.76
					TOTAL COST	\$ 3,757.62
					Total Cost Per Unit	\$ 536.80
					Total Excluded Cost	\$ 2,002.62

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-94						
Item: INSTALL 100 WATT TRIPLE COIL BALLAST						
Quantity: 1						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.75	2.750	\$2.85	\$	7.84
					Total Machinery Charges	\$ 7.84
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.75	2.750	\$29.55	\$	81.26
	City Laborer Regular	2.75	2.750	\$18.97	\$	52.17
					Sub-Total Labor Cost	\$ 133.43
					Fringe Benefit Rate @ 91.84%	\$ 117.28
					Total Labor Cost	\$ 250.71
Material Costs:	Item	Amount	Price	Total		
	100 watt HPS triple coil series ballast	1	\$467.78	\$	467.78	
					Sub-Total Material Cost	\$ 467.78
					Indirect Cost Factor @ 12.21%	\$ 47.43
					Total Material Cost	\$ 515.21
					TOTAL COST	\$ 773.76
					Total Cost Per Unit	\$ 773.76
					Total Excluded Cost	\$ 523.05

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-95**
 Item: **INSTALL 150 WATT SINGLE COIL BALLAST**
 Quantity: 36
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75	99.000	\$2.85	\$ 282.15
Total Machinery Charges					\$ 282.15
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75	99.000	\$29.55	\$ 2,925.45
	City Laborer Regular	2.75	99.000	\$18.97	\$ 1,878.03
Sub-Total Labor Cost					\$ 4,803.48
Fringe Benefit Rate @ 91.84%					\$ 4,222.26
Total Labor Cost					\$ 9,025.74
Material Costs:	Item	Amount	Price	Total	
	150 watt HPS single coil series ballast	36	\$174.88	\$ 6,295.68	
Sub-Total Material Cost				\$ 6,295.68	
Indirect Cost Factor @ 12.21%				\$ 638.38	
Total Material Cost				\$ 6,934.06	
TOTAL COST					\$ 16,241.95
Total Cost Per Unit					\$ 451.17
Total Excluded Cost					\$ 7,216.21

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-96**
 Item: **INSTALL 150 WATT DOUBLE COIL BALLAST**
 Quantity: 7
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75	19.250	\$2.85	\$ 54.86
\$18.97					
Total Machinery Charges					\$ 54.86
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75	19.250	\$29.55	\$ 568.84
	City Laborer Regular	2.75	19.250		\$ 365.17
Sub-Total Labor Cost					\$ 934.01
Fringe Benefit Rate @ 91.84%					\$ 820.99
Total Labor Cost					\$ 1,755.00
Material Costs:	Item	Amount	Price	Total	
	150 watt HPS double coil series ballast	7	\$356.51	\$ 2,495.60	
Sub-Total Material Cost				\$ 2,495.60	
Indirect Cost Factor @ 12.21%				\$ 253.05	
Total Material Cost				\$ 2,748.65	
TOTAL COST					\$ 4,558.51
Total Cost Per Unit					\$ 651.22
Total Excluded Cost					\$ 2,803.51

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-98						
Item: INSTALL 250 WATT DOUBLE COIL BALLAST						
Quantity: 46						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.75	126.500	\$2.85	\$	360.53
					Total Machinery Charges	\$ 360.53
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.75	126.500	\$29.55	\$	3,738.08
	City Laborer Regular	2.75	126.500	\$18.97	\$	2,399.71
					Sub-Total Labor Cost	\$ 6,137.79
					Fringe Benefit Rate @ 91.84%	\$ 5,395.12
					Total Labor Cost	\$ 11,532.91
Material Costs:	Item	Amount	Price	Total		
	250 watt HPS double coil series ballast	46	\$414.36	\$	19,060.59	
					Sub-Total Material Cost	\$ 19,060.59
					Indirect Cost Factor @ 12.21%	\$ 1,932.74
					Total Material Cost	\$ 20,993.33
					TOTAL COST	\$ 21,353.86
					Total Cost Per Unit	\$ 464.21
					Total Excluded Cost	\$ 21,353.86

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-99						
Item: SECONDARY SPLICE						
Quantity: 1						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	1.25	1.250	\$2.85	\$	3.56
					Total Machinery Charges	\$ 3.56
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.25	1.250	\$29.55	\$	36.94
	City Laborer Regular	1.25	1.250	\$18.97	\$	23.71
					Sub-Total Labor Cost	\$ 60.65
					Fringe Benefit Rate @ 91.84%	\$ 53.31
					Total Labor Cost	\$ 113.96
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ 117.52
					Total Cost Per Unit	\$ 117.52
					Total Excluded Cost	\$ 3.56

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-100						
Item: SPLICE 1#8 PRIMARY						
Quantity: 17						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	1.5	25.500	\$2.85	\$	72.68
					Total Machinery Charges	\$ 72.68
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.5	25.500	\$29.55	\$	753.53
	City Laborer Regular	1.5	25.500	\$18.97	\$	483.74
					Sub-Total Labor Cost	\$ 1,237.27
					Fringe Benefit Rate @ 91.84%	\$ 1,087.56
					Total Labor Cost	\$ 2,324.83
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ 2,397.51
					Total Cost Per Unit	\$ 141.03
					Total Excluded Cost	\$ 72.68

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-103						
Item: HAND HOLE OR PEDESTAL SPLICE						
Quantity: 110						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	0.75	82.500	\$2.85	\$	235.13
					Total Machinery Charges	\$ 235.13
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.75	82.500	\$29.55	\$	2,437.88
	City Laborer Regular	0.75	82.500	\$18.97	\$	1,565.03
					Sub-Total Labor Cost	\$ 4,002.91
					Fringe Benefit Rate @ 91.84%	\$ 3,518.56
					Total Labor Cost	\$ 7,521.47
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ 7,756.60
					Total Cost Per Unit	\$ 70.51
					Total Excluded Cost	\$ 235.13

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-106**
 Item: **INSTALL GROUND & TEST STATION**

Quantity: 1
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Van [Heavy]	4	4.000	\$2.85	\$ 11.40
		Compressors	3.5	3.500	\$1.04	\$ 3.64
Total Machinery Charges						\$ 15.04
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	4	4.000	\$29.55	\$ 118.20
		City Laborer Regular	3.5	3.500	\$18.97	\$ 66.40
Sub-Total Labor Cost						\$ 184.60
Fringe Benefit Rate @ 91.84%						\$ 162.26
Total Labor Cost						\$ 346.86
Material Costs:		Item	Amount	Price	Total	
	(Two Required)	5/8" x 8' ground rod (Old Item# 1278870)	1	\$17.03	\$ 34.06	
		Connector, split bolt, 3 conductor 1/0 to 14, AL, to CU, 600v ir	1	\$2.33	\$ 2.33	
		metal pedestal housing (4"x4"x36")	1	\$31.91	\$ 31.91	
		heavy duty, bronze, 5/8", 10Sol-1/0Str (Acorn Nut)	1	\$8.45	\$ 8.45	
	(2 ft. Required)	Wire type TW #6 stranded, black	1	\$0.54	\$ 1.07	
	(10 ft. Required)	1#8 concentric cable - primary	1	\$1.67	\$ 16.73	
Sub-Total Material Cost						\$ 94.55
Indirect Cost Factor @ 12.21%						\$ 9.59
Total Material Cost						\$ 104.14
TOTAL COST						\$ 466.04
Total Cost Per Unit						\$ 466.04
Total Excluded Cost						\$ 119.18

