

INFRASTRUCTURES SERVICE DIVISION - TRANSPORTATION  
DEPARTMENT OF PUBLIC WORKS - CITY OF MILWAUKEE  
MARQUETTE INTERCHANGE, NORTH CONTRACT, LOCAL STREETS  
W. WISCONSIN AV. TO W. WALNUT ST., N. 7TH ST. TO N. 13TH ST.

COST ESTIMATE - STREET LIGHTING  
SHEET 1 OF 2

DRAWING# C-03-04 (sheets 1 thru 13),  
C-03-08 (sheets 1 thru 14),  
C-03-07 (sheets 1 thru 13)  
C-03-41 (sheets 1 thru 6)

STATE	CITY	DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
90005K		EXISTING LIGHT UNIT A 31 STYLE CONCRETE POLE REMOVAL OF 6' BRACKET AND 250 WATT, 240 VOLT HIGH PRESSURE SODIUM COBRA STYLE FIXTURE, THE INSTALLATION OF A31 STYLE LANTERN CLAMP, 250 WATT/240 VOLT HIGH PRESSURE SODIUM MILWAUKEE LANTERN BRACKET AND MILWAUKEE LANTERN WITH 250 WATT HIGH PRESSURE SODIUM LAMP	5	\$ 1,405.34	\$ 7,026.70
90005N		EXISTING LIGHT UNIT 31' ALUMINUM POLE REMOVAL OF 6' BRACKET AND 150 WATT/240 VOLT HIGH PRESSURE SODIUM COBRA STYLE FIXTURE, THE INSTALLATION OF 150 WATT 240 VOLT HIGH PRESSURE SODIUM MILWAUKEE LANTERN BRACKET AND MILWAUKEE LANTERN WITH 150 WATT HIGH PRESSURE SODIUM LAMP.	8	\$ 1,291.74	\$ 10,333.92
90005P		EXISTING LIGHT UNIT 31' ALUMINUM POLE REMOVAL OF 6' BRACKET AND 250 WATT/240 VOLT HIGH PRESSURE SODIUM COBRA STYLE FIXTURE, THE INSTALLATION OF 250 WATT 240 VOLT HIGH PRESSURE SODIUM MILWAUKEE LANTERN BRACKET AND MILWAUKEE LANTERN WITH 250 WATT HIGH PRESSURE SODIUM LAMP.	12	\$ 1,281.26	\$ 15,375.12
90005Z		EXISTING LIGHT UNIT A 26 STYLE CONCRETE POLE, REMOVAL OF 2 - 6' BRACKET, A26 CLAMP AND 2 - 250 WATT/240 VOLT HIGH PRESSURE SODIUM COBRA STYLE FIXTURE. THE INSTALLATION OF A26 STYLE LANTERN CLAMP, 2 - 250 WATT/240 VOLT HIGH PRESSURE SODIUM MILWAUKEE LANTERN BRACKETS AND 2 - MILWAUKEE LANTERN WITH 250 WATT HIGH PRESSURE SODIUM MILWAUKEE LANTERN	2	\$ 2,629.60	\$ 5,259.20
90005AH		EXISTING LIGHTING UNIT AT26 CONCRETE POLE, REMOVAL OF 6' BRACKET AND 250 WATT/240 VOLT HIGH PRESSURE SODIUM COBRA STYLE FIXTURE. THE INSTALLATION OF 250 WATT 240 VOLT HIGH PRESSURE SODIUM MILWAUKEE LANTERN BRACKET AND MILWAUKEE LANTERN WITH 250 WATT HIGH PRESSURE SODIUM LAMP.	1	\$ 1,281.26	\$ 1,281.26
90005AM		EXISTING LIGHTING UNIT AT31 CONCRETE POLE, REMOVAL OF 6' BRACKET AND 250 WATT/240 VOLT HIGH PRESSURE SODIUM COBRA STYLE FIXTURE. THE INSTALLATION OF 250 WATT 240 VOLT HIGH PRESSURE SODIUM MILWAUKEE LANTERN BRACKET AND MILWAUKEE LANTERN WITH 250 WATT HIGH PRESSURE SODIUM LAMP.	3	\$ 1,281.26	\$ 3,843.78
90005CV		INSTALL A26 CONCRETE POLE, A26 CLAMP, 6' BRACKET AND 250W/240V COBRA STYLE FIXTURE WITH 250 WATT HIGH PRESSURE SODIUM LAMP (INCLUDES RISER CABLE)	1	\$ 1,277.28	\$ 1,277.28
90005DK		INSTALL A-26 CONCRETE POLE, A-26 CLAMP, 250 WATT /240 VOLT MILWAUKEE LANTERN BRACKET AND MILWAUKEE LANTERN WITH 250 WATT HIGH PRESSURE SODIUM LAMP (INCLUDES RISER CABLE).	3	\$ 2,175.65	\$ 6,526.95

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COST ESTIMATE - STREET LIGHTING  
 SHEET 2 OF 2

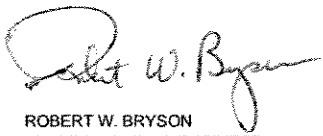
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 C-03-41 (sheets 1 thru 6)

STATE	CITY	ITEM	DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
		90005DP	INSTALL A-31 CONCRETE POLE, A-31 CLAMP, 250 WATT /240 VOLT MILWAUKEE LANTERN BRACKET AND MILWAUKEE LANTERN WITH 250 WATT HIGH PRESSURE SODIUM LAMP (INCLUDES RISER CABLE).	66	\$ 2,382.53	\$ 157,246.98
		90005DR	INSTALL A-31 CONCRETE POLE, A-31 CLAMP, 2-250 WATT /240 VOLT MILWAUKEE LANTERN BRACKETS AND 2-MILWAUKEE LANTERNS WITH HIGH PRESSURE SODIUM LAMP (INCLUDES RISER CABLE).	13	\$ 3,529.76	\$ 45,886.88
		90005EA	INSTALL H17 CONCRETE POLE AND 70W/240V MILWAUKEE HARP FIXTURE WITH 70 WATT HIGH PRESSURE SODIUM LAMP (INCLUDES RISER CABLE).	9	\$ 1,690.33	\$ 15,212.97
		90005EC	INSTALL 15' BLACK STEEL OCTAFLUTED POLE, CONCRETE BASE, AND 70W/240V MILWAUKEE HARP FIXTURE WITH 70 WATT HIGH PRESSURE SODIUM LAMP (INCLUDES RISER CABLE).	11	\$ 3,004.10	\$ 33,045.10
		90005EG	INSTALL WOOD POLE	3	\$ 224.12	\$ 672.37
		90005EL	INSTALL METAL PEDESTAL CABINET	52	\$ 97.56	\$ 5,073.12
		90005EM	INSTALL PRIMARY OR SECONDARY RISERS	31	\$ 138.26	\$ 4,286.06
		90005EN	CONSTRUCT A 50KVA 240/480 VOLT POWER DISTRIBUTION ENCLOSURE	2	\$ 13,037.56	\$ 26,075.12
		90005EQ	REMOVE WOOD, CONCRETE, STEEL OR ALUMINUM POLES.	111	\$ 313.76	\$ 34,827.36
		90005ER	REMOVE PRIMARY OR SECONDARY RISERS	25	\$ 84.14	\$ 2,103.50
		90005GR	EXISTING WOOD POLE, INSTALLATION OF 6' BRACKET AND 250 WATT/240 VOLT COBRA FIXTURE WITH 250 WATT HIGH PRESSURE SODIUM LAMP (INCLUDES RISER CABLE).	26	\$ 433.78	\$ 11,278.28
		90005GT	INSTALLATION OF 30' STEEL BOLT DOWN POLE WITH DECORATIVE DASE ON EXISTING CONCRETE BASE, 250W/240 MILWAUKEE LANTERN BRACKET AND MILWAUKEE LANTERN WITH 250 WATT HIGH PRESSURE SODIUM LAMP (INCLUDES RISER CABLE)	1	\$ 7,879.03	\$ 7,879.03
		90005GX	INSTALLATION OF 15' STEEL BOLT DOWN POLE WITH DECORATIVE DASE ON EXISTING CONCRETE BASE, 70W/240 HARP WITH 70 WATT HIGH PRESSURE SODIUM LAMP (INCLUDES RISER CABLE)	44	\$ 5,877.93	\$ 258,628.92
		90030A	INSTALL 3#2/1#8 LTP UNDERGROUND CABLE.	5820	\$ 3.81	\$ 22,174.20
		90030B	INSTALL 3#4/1#8 LTP UNDERGROUND CABLE.	2635	\$ 3.46	\$ 9,117.10
		90030C	INSTALL 3#6/1#8 LTP UNDERGROUND CABLE.	8665	\$ 2.89	\$ 25,041.85
		90030D	INSTALL 3#8/1#8 LTP UNDERGROUND CABLE.	8180	\$ 2.56	\$ 20,940.80
		90030F	INSTALL 4#12 UF UNDERGROUND CABLE	120	\$ 2.16	\$ 259.20
		90030L	INSTALL 2#4/1#6 ALUMINUM TRIPLEX OVERHEAD CABLE.	1485	\$ 1.31	\$ 1,945.35
		90030M	INSTALL 3#6 ALUMINUM TRIPLEX OVERHEAD CABLE.	4255	\$ 1.08	\$ 4,595.40
		90030P	INSTALL 2.5" P.V.C. CONDUIT (HOLE HOG/BORE)	40	\$ 6.30	\$ 252.00
		90030Q	INSTALL 2.5" P.V.C. CONDUIT (TRENCH)	790	\$ 6.74	\$ 5,324.60
		90030S	REMOVE OVERHEAD LINE WIRES.	5895	\$ 0.84	\$ 4,951.80

WE ENGERIES ELECTRICAL SERVICE COST \$ 12,000.00

ESTIMATED COST FOR 2004 TOTAL PROJECT COST \$ 742,381.58

APPROVED BY:



ROBERT W. BRYSON  
 STREET LIGHTING ENGINEER

TRANSPORATION SECTION  
 TRAFFIC & LIGHTING DESIGN UNIT