

INFRASTRUCTURE SERVICES DIVISION
 DEPARTMENT OF PUBLIC WORKS
 STATE PROJECT I.D.#2190-06-70
 2004 SURFACE TRANSPORTATION PROGRAM
 E. WISCONSIN AVE.:
 N. MILWAUKEE ST. TO THE MILWAUKEE RIVER
 N. PROSPECT AVE. TO N. CASS ST.

TRAFFIC SIGNAL CONTROL

COST ESTIMATE

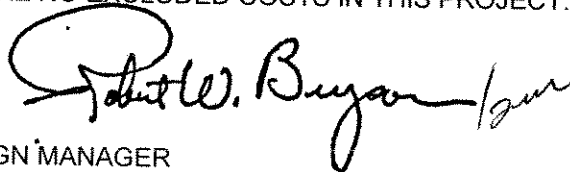
<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUAN.</u>	<u>UNIT COST</u>	<u>TOTAL ITEM COST</u>
71034	DETECTOR,4-CHANNEL OPTICOM (721)	2	\$631.89	\$1,263.78
71071	38 SIGNAL HOUSING	31	\$317.38	\$9,838.78
71062	312 SIGNAL HOUSING	4	\$408.70	\$1,634.80
71078	DW-W 8" SIGNAL HOUSING	25	\$380.14	\$9,503.50
71090	C-38-212 SIGNAL HOUSING	2	\$560.86	\$1,121.72
71156	LEAD IN CABLE (PROBE) PER FOOT	715	\$1.92	\$1,372.80
71170	9#14 LTP PER FOOT	1265	\$2.13	\$2,694.45
71171	12#14 LTP PER FOOT	25	\$2.23	\$55.75
71172	17#14 LTP PER FOOT	1350	\$2.38	\$3,213.00
71173	20#14 LTP PER FOOT	1340	\$2.48	\$3,323.20
71197	SS 13'	18	\$850.74	\$15,313.32
71721	38 Sig. Hous. Relocated	16	\$169.85	\$2,717.60
71728	DW-W 8" Sig. Hous. Relocated	11	\$212.31	\$2,335.41
73181	24X24 NO LEFT TURN	5	\$18.78	\$93.90
73201	12X24 TIME RESTRICTIONS (PLAQUE)	5	\$18.78	\$93.90

COST ESTIMATE

2004 SURFACE TRANSPORTATION PROGRAM = **\$54,575.91**

THERE ARE NO EXCLUDED COSTS IN THIS PROJECT.

APPROVED BY:



ROBERT W. BRYSON
 STREET LIGHTING DESIGN MANAGER

TRANSPORTATION SECTION
 TRAFFIC & LIGHTING DESIGN UNIT
 JOSEPH A. BONDOWSKI
 JUNE 21,2004

INFRASTRUCTURES SERVICE DIVISION - TRANSPORTATION
DEPARTMENT OF PUBLIC WORKS - CITY OF MILWAUKEE
W. WISCONSIN AV. FROM MILWAUKEE RIVER TO N MILWAUKEE ST.
W. WISCONSIN AV. W. CASS ST TO A POINT EAST.

COST ESTIMATE - STREET LIGHTING/ SIGNING

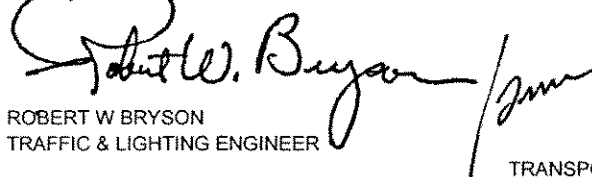
DRAWING# C-04-13 (sheets 1 thru)

STATE	CITY	ITEM	DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST
		90005EM	INSTALL PRIMARY OR SECONDARY RISERS	8	\$ 130.96	\$ 1,047.68
		90005EP	CONSTRUCT A 100 AMP 120/240 VOLT SERVICE CABINET	1	\$ 3,172.67	\$ 3,172.67
		90005ER	REMOVE PRIMARY OR SECONDARY RISERS	8	\$ 80.34	\$ 642.72
		90005EQ	REMOVE WOOD, CONCRETE, STEEL OR ALUMINUM POLE COMPLETE	18	\$ 298.95	\$ 5,381.10
	52	90005GT	INSTALLATION OF 30' STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE 250W/240V MILWAUKEE LANTERN BRACKET AND MILWAUKEE LANTERN WITH 250 WATT HIGH PRESSURE SODIUM LAMP. (INCLUDES RISER)	13	\$ 7,377.75	\$ 95,910.75
	81	90005GV	INSTALLATION OF 15' STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE ARM FOR HARPS, AND 2 - 70W/240 VOLT HARPS WITH HIGH PRESSURE SODIUM LAMPS. (INCLUDES RISER CABLE)	20	\$ 7,390.32	\$ 147,806.40
		90005GZ	INSTALL STREET NAME SIGN BACK PLATE ON POLE OR SIGN STANDARD	19	\$ 346.64	\$ 6,586.16
		90005HA	INSTALL REGULATORY SIGN BACK PLATE ON POLE OR SIGN STANDARD	4	\$ 477.87	\$ 1,911.48
		90005HB	DECORATIVE STEEL BASE FOR 2" PIPE STANDARD	14	\$ 305.56	\$ 4,277.84
		90030A	INSTALL 3#2/1#8 LTP UNDERGROUND CABLE	130	\$ 3.59	\$ 466.70
		90030B	INSTALL 3#4/1#8 LTP UNDERGROUND CABLE	1483	\$ 3.26	\$ 4,834.58
		90030C	INSTALL 3#6/1#8 LTP UNDERGROUND CABLE	2413	\$ 2.72	\$ 6,563.36
		90030D	INSTALL 3#8/1#8 LTP UNDERGROUND CABLE	1505	\$ 2.42	\$ 3,642.10
		90030E	INSTALL 3#10 WITH GROUND UF UNDERGROUND CABLE	5555	\$ 2.14	\$ 11,887.70
		90030M	INSTALL 3#6 ALUMINUM TRIPLEX OVERHEAD WIR	262	\$ 1.03	\$ 269.86
		90030S	REMOVE OVERHEAD LINE WIRES	262	\$ 0.80	\$ 209.60
		73036	18"X24" PARKING - DOUBLE MESSAGE	20	\$ 48.00	\$ 960.00
		73061	30"X30" PEDESTRIAN	5	\$ 57.63	\$ 288.15
		73194	24"X30" SPEED LIMIT	1	\$ 44.93	\$ 44.93
		73297	FLANGE STANDARD	5	\$ 78.18	\$ 390.90
		73310	MOUNTING HARDWARE CP/SS/AP	12	\$ 3.21	\$ 38.52
		73311	MOUNTING HARDWARE P.S.	5	\$ 4.17	\$ 20.85
		73312	S.N.S. MOUNTING HARDWARE CP	7	\$ 21.60	\$ 151.20
		73319	36" GREEN S.N.S.	12	\$ 40.91	\$ 490.92
		73338	12"X24" DIAGONAL DOWN	4	\$ 28.28	\$ 113.12

ESTIMATED COST FOR 2003

TOTAL PROJECT COST \$ 297,109.29

APPROVED BY:


ROBERT W BRYSON
TRAFFIC & LIGHTING ENGINEER

TRANSPORTATION SECTION
TRAFFIC & LIGHTING DESIGN UNIT