

INFRASTRUCTURES SERVICE DIVISION - TRANSPORTATION  
 DEPARTMENT OF PUBLIC WORKS - CITY OF MILWAUKEE  
 WEST WISCONSIN AVENUE FROM: NORTH 10th STREET TO NORTH 4th STREET

STATE	CITY	<u>COST ESTIMATE - STREET LIGHTING</u>		DRAWING# (E-001 TO E-007)		
ITEM	ITEM	DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST	
90005EP	99	CONSTRUCT A 100 AMP 120/240 VOLT SERVICE CABINET	2	\$ 3,172.67	\$ 6,345.34	
90005GT	90	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)	23	\$ 7,377.75	\$ 169,688.25	
90005GV	91	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)	53	\$ 7,390.32	\$ 391,686.96	
90030A	L	INSTALL 3#2/1#8 LTP UNDERGROUND CABLE	393	\$ 3.59	\$ 1,410.87	
90030B	K	INSTALL 3#4/1#8 LTP UNDERGROUND CABLE	2183	\$ 3.26	\$ 7,116.58	
90030C	J	INSTALL 3#6/1#8 LTP UNDERGROUND CABLE	3095	\$ 2.72	\$ 8,418.40	
90030D	I	INSTALL 3#8/1#8 LTP UNDERGROUND CABLE	5414	\$ 2.42	\$ 13,101.88	
90030E	M	INSTALL 3#10 WITH GROUND UF UNDERGROUND CABLE	10548	\$ 2.14	\$ 22,572.72	
90030G	F	INSTALL 3#12 UF UNDERGROUND CABLE	140	\$ 2.01	\$ 281.40	
90005GQ	Z	INSTALL RECTANGULAR VAULT	1	\$ 232.79	\$ 232.79	

**SUB-CONTRACTOR CHARGES**

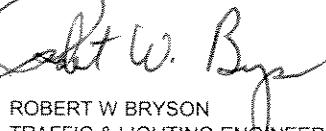
We Energies charges to install electrical service to power cabinet at #704 N. 9th Street  
 We Energies charges to install electrical service to power cabinet at #700 N. 6th Street

\$ 3,500.00
\$ 5,000.00

ESTIMATED COST FOR 2005

TOTAL PROJECT COST \$ 629,355.19

APPROVED BY:

  
 ROBERT W BRYSON  
 TRAFFIC & LIGHTING ENGINEER

TRANSPORTATION SECTION  
 TRAFFIC & LIGHTING DESIGN UNIT

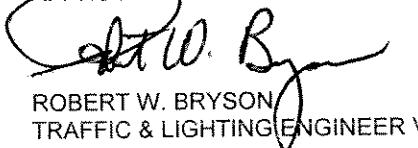
AGREED UNIT PRICE (AUP) UNIT COST ANALYSIS  
 INFRASTRUCTURE SERVICES DIVISION - TRANSPORTATION  
 DEPARTMENT OF PUBLIC WORKS - CITY OF MILWAUKEE  
 STATE PROJECT I.D.# 1693-31-77  
 EAST WISCONSIN AVENUE-N. 10TH ST. TO N. 4TH ST.  
 INCLUDING PEDESTRIAN/LED SIGNAL UPGRADES AT:  
 WISCONSIN AND OLD WORLD THIRD  
 WISCONSIN AND WATER  
 WISCONSIN AND BROADWAY  
**SUMMARY COST ESTIMATE - TRAFFIC SIGNALS**

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>UNIT COST</u>
71062L	312 SIG. HOUS. LED	EACH	17	\$578.78	\$9,839.26
71066LC	COMBINATION DW-W 12" SIG. LED	EACH	44	\$439.84	\$19,352.96
71067L	COUNTDOWN 12" PEDESTRIAN SIG. HOUS. LED	EACH	60	\$660.39	\$39,623.40
71071L	38 SIG. HOUS. LED	EACH	34	\$451.26	\$15,342.84
71072RL	18 SIGNAL MODULE LED RED	EACH	18	\$82.45	\$1,484.10
71072YL	18 SIGNAL MODULE LED YELLOW	EACH	18	\$85.02	\$1,530.36
71072GL	18 SIGNAL MODULE LED GREEN	EACH	18	\$96.54	\$1,737.72
71156	LEAD IN CABLE (PROBE)	PER LF	1805	\$1.92	\$3,465.60
71170	9#14 LTP	PER LF	925	\$2.13	\$1,970.25
71171	12#14 LTP	PER LF	1920	\$2.23	\$4,281.60
71172	17#14 LTP	PER LF	2210	\$2.38	\$5,259.80
71173	20#14 LTP	PER LF	430	\$2.48	\$1,066.40
71191	MAST ARM POLE INSTALLED	EACH	1	\$212.54	\$212.54
71197	SS 13'	EACH	12	\$850.74	\$10,208.88
90030B	INSTALL 3#4/1#8 LTP UNDERGROUND CABLE	PER LF	90	\$3.26	\$293.40
71716	RELOCATE 12" DW-W SIGNAL HOUSING	EACH	16	\$212.31	\$3,396.96
71724	170 SOLID STATE CONTROLLER RELOCATED	EACH	1	\$323.37	\$323.37
71820	MAST ARM RELOCATED	EACH	1	\$339.70	\$339.70

**TOTAL** **\$119,729.14**

ESTIMATED COST OF 2006 PAVING PROGRAM

APPROVED BY:



ROBERT W. BRYSON  
 TRAFFIC & LIGHTING ENGINEER V

TRANSPORTATION SECTION  
 TRAFFIC & LIGHTING DESIGN UNIT  
 JOSEPH A. BONDOWSKI  
 July 6, 2006

INFRASTRUCTURE SERVICES DIVISION  
 DEPARTMENT OF PUBLIC WORKS  
 STATE PROJECT I.D.#  
 2006 SURFACE TRANSPORTATION PROGRAM  
 WEST WISCONSIN AVENUE- NORTH 4th STREET TO NORTH 10th STREET

TRAFFIC SIGNS

<u>COST</u>	<u>ESTIMATE</u>	<u>DESCRIPTION</u>	<u>QUAN.</u>	<u>UNIT</u>	<u>TOTAL</u>	<u>ITEM</u>
<u>ITEM</u>		<u>DESCRIPTION</u>		<u>COST</u>	<u>COST</u>	
73000	30 X 30 STOP		2	\$52.59	\$105.18	
73023	24X30 ONE WAY (LA)		2	\$44.93	\$89.86	
73025	24X30 ONE WAY (RA)		3	\$44.93	\$134.79	
73035	18X24 PARKING-SINGLE MESSAGE		12	\$37.90	\$454.80	
73036	18X24 PARKING-DOUBLE MESSAGE		27	\$48.00	\$1,296.00	
73061	30X30 PEDESTRIAN		4	\$57.63	\$230.52	
73081	12x36 HAZARD MARKER (LEFT MOUNT)		4	\$28.98	\$115.92	
73097	24X30 KEEP RIGHT		4	\$44.93	\$179.72	
73181	24X24 NO LEFT TURN		2	\$38.22	\$76.44	
73188	18X24 BIKE ROUTE		3	\$31.83	\$95.49	
73297	FLANGE STD.		54	\$78.18	\$4,221.72	
73310	MOUNTING HARDWARE CP/SS/AP		8	\$3.21	\$25.68	
73311	MOUNTING HARDWARE PS		24	\$4.17	\$100.08	
73312	SNS MOUNTING CP		14	\$21.60	\$302.40	
73319	GREEN SNS 36"		20	\$40.91	\$818.20	
90005GZ	STREET NAME SIGN BACK PLATE		20	\$344.87	\$6,897.40	
90005HA	18X24 SIGN BACK PLATE		39	\$391.79	\$15,279.81	
90005HB	BASE ON 2" PIPE STANDARD		71	\$506.26	\$35,944.46	

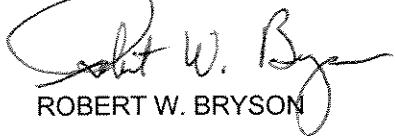
TOTAL: \$66,368.47

COST ESTIMATE

2006 SURFACE TRANSPORTATION PROGRAM = \$66,368.47

THERE ARE NO EXCLUDED COSTS IN THIS PROJECT.

APPROVED BY:



ROBERT W. BRYSON

TRANSPORTATION SECTION  
 TRAFFIC & LIGHTING DESIGN UNIT  
 KEVIN ANTCZAK