

INFRASTRUCTURE SERVICES DIVISION  
DEPARTMENT OF PUBLIC WORKS  
STATE PROJECT I.D.#1060-25-73  
2004 SURFACE TRANSPORTATION PROGRAM  
MARQUETTE INTERCHANGE - NORTH

TRAFFIC SIGNALS

COST ESTIMATE

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUAN.</u>	<u>UNIT COST</u>	<u>TOTAL ITEM COST</u>
	<u>COST ESTIMATE</u>			
71033	DETECTOR, 2-CHANNEL OPTICOM (711)	13 EA	\$ 503.69	\$ 6,547.97
71034	DETECTOR,4-CHANNEL OPTICOM (721)	1 EA	\$ 631.89	\$ 631.89
71055A	330 CONTROLLER ACT WITH FOUNDATION	3 EA	\$ 12,355.77	\$ 37,067.31
71055B	330 CONTROLLER ACT WITHOUT FOUNDATION	1 EA	\$ 12,094.90	\$ 12,094.90
71061	412 SIGNAL HOUSING	2 EA	\$ 551.41	\$ 1,102.82
71062	312 SIGNAL HOUSING	51 EA	\$ 408.70	\$ 20,843.70
71071	38 SIGNAL HOUSING	31 EA	\$ 317.38	\$ 9,838.78
71078	DW-W 8" SIGNAL HOUSING	64 EA	\$ 380.14	\$ 24,328.96
71081	312 M SIGNAL HOUSING	21 EA	\$ 1,430.87	\$ 30,048.27
71082	212 M SIGNAL HOUSING	2 EA	\$ 922.53	\$ 1,845.06
71125	PUSH BUTTON MUSHROOM HEAD (ADA 2")	8 EA	\$ 120.36	\$ 962.88
71156	LEAD IN CABLE (PROBE)	5885 LF	\$ 1.92	\$ 11,299.20
71170	9#14 LTP	6146 LF	\$ 2.13	\$ 13,090.98
71171	12#14 LTP	295 LF	\$ 2.23	\$ 657.85
71172	17#14 LTP	4321 LF	\$ 2.38	\$ 10,283.98
71173	20#14 LTP	6135 LF	\$ 2.48	\$ 15,214.80
71190	MAST ARM, FABRICATED	10 EA	\$ 1,773.17	\$ 17,731.70
71191	MAST ARM POLE INSTALLED	4 EA	\$ 212.54	\$ 850.16
71197	SS 13'	36 EA	\$ 850.74	\$ 30,626.64
71712	312 Sig. Hous. Relocated	14 EA	\$ 212.31	\$ 2,972.34
71721	38 Sig. Hous. Relocated	7 EA	\$ 169.85	\$ 1,188.95
71728	DW-W 8" Sig. Hous. Relocated	12 EA	\$ 212.31	\$ 2,547.72
71827	SS 13' Relocated	5 EA	\$ 254.78	\$ 1,273.90
71828	1' Ext Relocated	5 EA	\$ 42.46	\$ 212.30
71724	170 Solid State Controller Relocated	1 EA	\$ 323.37	\$ 323.37
90030A	Install 3#2/1#8 LTP underground cable	1898 LF	\$ 3.81	\$ 7,231.38
90030B	Install 3#4/1#8 LTP underground cable	590 LF	\$ 3.46	\$ 2,041.40
90005EQ	Remove Pole Complete	1 EA	\$ 313.76	\$ 313.76
90005GQ	Installation of a rectangular vault	1 EA	\$ 247.32	\$ 247.32
73000	30" x 30" Stop Sign	3 EA	\$ 52.59	\$ 157.77

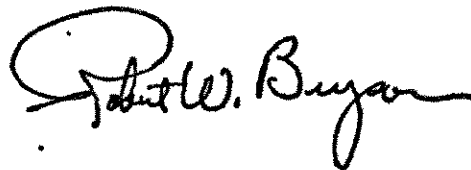
COST ESTIMATE

2004 SURFACE TRANSPORTATION PROGRAM=

\$ 263,578.06

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  
MAY 17, 2004

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DEPARTMENT OF PUBLIC WORKS  
STATE PROJECT I.D.#1060-25-73  
2004 SURFACE TRANSPORTATION PROGRAM  
MARQUETTE INTERCHANGE - NORTH

TRAFFIC SIGNS

<u>COST ESTIMATE</u>				TOTAL
<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUAN.</u>	<u>UNIT COST</u>	<u>ITEM COST</u>
73000	30 X 30 STOP	4	\$52.59	\$210.36
73020	30X30 DO NOT ENTER	1	\$53.15	\$53.15
73021	24X36 WRONG WAY	1	\$51.34	\$51.34
73022	18X24 ONE WAY (LA)	1	\$31.83	\$31.83
73023	24X30 ONE WAY (LA)	12	\$44.93	\$539.16
73024	18X24 ONE WAY (RA)	6	\$31.83	\$190.98
73025	24X30 ONE WAY (RA)	11	\$44.93	\$494.23
73027	24X30 BEGIN ONE WAY	2	\$44.93	\$89.86
73034	12X18 PARKING-SINGLE MESSAGE	52	\$21.98	\$1,142.96
73035	18X24 PARKING-SINGLE MESSAGE	4	\$37.90	\$151.60
73036	18X24 PARKING-DOUBLE MESSAGE	13	\$48.00	\$624.00
73054	12 X 18 NO PEDESTRIAN CROSSING	4	\$21.98	\$87.92
73056	30X30 SCHOOL	3	\$57.59	\$172.77
73060	24X48 SCHOOL SPEED LIMIT 20 WCAP	1	\$79.96	\$79.96
73061	30X30 PEDESTRIAN	4	\$57.63	\$230.52
73078	18X18 YELLOW TARGET	2	\$29.02	\$58.04
73081	12x36 HAZARD MARKER (LEFT MOUNT)	5	\$28.98	\$144.90
73083	24X24 DOUBLE DOWN ARROW	1	\$28.91	\$28.91
73090	24X30 HOSPITAL	2	\$44.93	\$89.86
73097	24X30 KEEP RIGHT	5	\$44.93	\$224.65
73140	15X21 PUSH BUTTON FOR WALK SIGNAL	4	\$17.76	\$71.04
73144	24X24 AHEAD SIGNAL	2	\$28.91	\$57.82
73145	24X24 LEFT TURN SIGNAL	2	\$38.22	\$76.44
73154	36X36 SIGNAL AHEAD	2	\$72.44	\$144.88
73161	30X30 LEFT LANE MUST TURN LEFT	4	\$53.15	\$212.60
73163	30X30 RIGHT LANE MUST TURN RIGHT	9	\$53.15	\$478.35
73181	24X24 NO LEFT TURN	1	\$38.22	\$38.22
73188	18X24 BIKE ROUTE	3	\$31.83	\$95.49
73194	24X30 SPEED LIMIT	8	\$44.93	\$359.44
73199	12X24 AHEAD (PLAQUE)	1	\$26.87	\$26.87
73211	18X24 DOUBLE CHEVRON	1	\$24.85	\$24.85
73294	3' RSP SOCKET	16	\$35.92	\$574.72
73295	SOC. (CONC. INST.)	25	\$33.62	\$840.50
73296	2" X 9'6" PIPE	38	\$46.36	\$1,761.68
73298	2' X 11'-0" PIPE	2	\$51.30	\$102.60
73310	MOUNTING HARDWARE CP/SS/AP	138	\$3.21	\$442.98
73311	MOUNTING HARDWARE PS	47	\$4.17	\$195.99
73312	SNS MOUNTING CP	35	\$21.60	\$756.00
73318	GREEN SNS 30"	34	\$36.74	\$1,249.16
73319	GREEN SNS 36"	8	\$40.91	\$327.28
73325	SNS MOUNTING SIGNALS	7	\$15.65	\$109.55
73326	9X12 PUSH BUTTON FOR WALK SIGNAL	3	\$17.54	\$52.62
73327	6X8 PUSH BUTTON FOR WALK SIGNAL	2	\$12.30	\$24.60
73333	12X24 AHEAD	3	\$28.28	\$84.84
73335	24X30 ONE WAY (DOUBLE FACED)	1	\$69.31	\$69.31
73336	18X24 ANGLE PARKING ONLY	4	\$46.41	\$185.64
73338	12X24 DIAGONAL DOWN	2	\$28.28	\$56.56

COST ESTIMATE

2004 SURFACE TRANSPORTATION PROGRAM = \$13,117.03

THERE ARE NO EXCLUDED COSTS IN THIS PROJECT.

APPROVED BY:

ROBERT W. BRYSON  
STREET LIGHTING DESIGN MANAGER



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JOSEPH A. HALVORSON  
MAY 11, 2004