



LOAD TABLE
LIGHTING CONTROLLER "M"

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	19.6	4,704	B	16.8	4,224
C	18.6	4,464	D	18.6	4,464
E	16.2	3,888	F	18.2	4,368
G	16.2	3,888	H	18.2	4,368
I	19.2	4,608	J	19.2	4,608
K	16.0	3,840	L	16.0	3,840
M	30.4	7,296	N	28.8	6,912
O			P		
TOTAL	136.2	32,688	TOTAL	135.8	32,592

SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "M"

NOTES:
1. SEE DRAWING ME-12 FOR WIRING DIAGRAM DETAILS.

LEGEND

- HIGH MAST LIGHT TOWER.
- 400 W. HPS LUMINAIRE (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- HIGH MAST TOWER DESIGNATION.
- LIGHTED SIGN STRUCTURE WITH 170 W. FLUORESCENT LUMINAIRES, QUANTITY OF LUMINAIRES AS REQUIRED. (BLACK PHASE-SOLID SYMBOL, RED PHASE, OPEN SYMBOL)
- 3 POLE SAFETY SWITCH
- UNDERPASS LIGHTING UNIT, 70W HPS LUMINAIRE. (BLACK PHASE- SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- LIGHTING CONTROLLER
- GROUND FIELD
- ELECTRIC UTILITY SERVICE
- ECA
- CONVENTIONAL LIGHTING UNIT, 310 WATT HPS LUMINAIRE. (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- EXISTING UNDERPASS LIGHTING UNIT, 55W LPS LUMINAIRE (BLACK PHASE SOLID SYMBOL, RED PHASE OPEN SYMBOL)

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "M"
PROPOSED IMPROVEMENTS 2006

SCALE: NOT TO SCALE DRAWN BY: YJ
DATE: OCTOBER 29, 2004 CHECKED BY: TM

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

11/23/2004 2:49:34 PM