



**LOAD TABLE**  
LIGHTING CONTROLLER "M"

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	18.0	4,320	B	16.0	3,840
C	16.0	3,840	D	16.0	3,840
E	16.2	3,888	F	18.2	4,368
G	16.2	3,888	H	18.2	4,368
I	18.0	4,320	J	18.0	4,320
K	16.0	3,840	L	16.0	3,840
M	30.0	7,200	N	28.0	6,720
O			P		
TOTAL	130.4	31,296	TOTAL	130.4	31,296

**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
- ELECTRIC CABLE ASSEMBLY
- 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 2005**

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

**SINGH**  
SINGH & ASSOCIATES, INC.  
CONSULTING ENGINEERS

300 W. ADAMS ST.  
CHICAGO, IL 60606  
TEL: (312) 629-0240  
FAX: (312) 629-8449

11/23/2004 1:32:14 PM