



CIRCUIT	BLACK PHASE		RED PHASE	
	AMPS	WATTS	CIRCUIT	WATTS
A	16.8	4,032	B	3,456
C	21.7	5,208	D	5,208
E	10.0	2,400	F	2,400
G	24.6	5,904	H	6,120
I	25.4	6,096	J	6,000
K	19.8	4,752	L	4,752
M	42.9	10,296	N	9,192
O	12.0	2,880	P	2,880
TOTAL	173.2	41,568	TOTAL	166.7

**SINGLE LINE DIAGRAM  
LIGHTING CONTROLLER "R"**

- 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

← SB  
DAN RYAN EXPRESSWAY  
NB →

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

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

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 "R"  
PROPOSED IMPROVEMENTS 2006**

SCALE: NOT TO SCALE  
DATE: OCTOBER 29, 2004

DRAWN BY: YJ  
CHECKED BY: TM

11/23/2004 1:37:25 PM