



CIRCUIT	RED PHASE		BLACK PHASE	
	AMPS	WATTS	CIRCUIT	WATTS
A	13.3	3,192	B	2,496
C	18.1	4,344	D	4,128
E	15.1	3,624	F	3,408
G	18.8	4,512	H	4,032
I	30.5	7,320	J	7,440
K	26.0	6,240	L	6,144
M	26.1	6,264	N	6,384
O	27.7	6,648	P	6,576
TOTAL	175.6	42,144	TOTAL	40,608

**SINGLE LINE DIAGRAM  
LIGHTING CONTROLLER "O"**

- 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
- ELECTRIC UTILITY SERVICE
- GROUND ROD
- LIGHTING CONTROLLER
- UNDERPASS LIGHTING UNIT, 70W HPS LUMINAIRE. (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- ECA
- UNDERPASS LIGHTING UNIT, 150W HPS 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 "O"  
PROPOSED IMPROVEMENTS 2006**

SCALE: NOT TO SCALE  
DATE: OCTOBER 29, 2004

DRAWN BY: YJ  
CHECKED BY: TM

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

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

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