



**LOAD TABLE  
LIGHTING CONTROLLER "A"**

CIRCUIT	RED PHASE		BLACK PHASE	
	AMPS	WATTS	CIRCUIT	WATTS
A	16.2	3888	B	3,480
C	40.5	9,720	D	9,288
E	14.9	3,576	F	3,576
G	34.6	8,304	H	7,824
I	13.8	3,312	J	3,312
K			L	
M	15.9	3,816	N	3,600
O			P	
<b>TOTAL</b>	<b>135.9</b>	<b>32,616</b>	<b>TOTAL</b>	<b>129.5</b>

**SINGLE LINE DIAGRAM  
LIGHTING CONTROLLER "A"**

- 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
- ELECTRIC CABLE ASSEMBLY
- CONVENTIONAL LIGHTING UNIT, 310 WATT HPS LUMINAIRE. (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)

**SINGH**  
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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 "A"  
PROPOSED IMPROVEMENTS 2006**

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

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