



**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 LUMINAIRE, QUANTITY OF LUMINAIRE 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)

**LOAD TABLE  
LIGHTING CONTROLLER "A"**

CIRCUIT	RED PHASE		BLACK PHASE	
	AMPS	WATTS	CIRCUIT	WATTS
A	23.8	5,712	B	5,712
C	41.3	9,912	D	9,384
E	23.8	5,712	F	5,712
G	35.4	8,496	H	7,920
I	13.8	3,312	J	3,312
K			L	
M	16.3	3,912	N	3,696
O			P	
<b>TOTAL</b>	<b>154.4</b>	<b>37,056</b>	<b>TOTAL</b>	<b>35,736</b>

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

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

**SINGH**  
SINGH & ASSOCIATES, INC.  
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**SL07-01**

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 2007**

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

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