



- 62583**
- LEGEND**
- HIGH MAST LIGHT TOWER
  - 400 WATT HPS LUMINAIRE (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
  - HIGH MAST TOWER DESIGNATION
  - LIGHTED SIGN STRUCTURE WITH 170 WATT FLUORESCENT LUMINAIRE, QUANTITY OF LUMINAIRE AS REQUIRED. (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
  - 3 POLE SAFETY SWITCH
  - UNDERPASS LIGHTING UNIT, 70 WATT HPS LUMINAIRE, UNLESS NOTED OTHERWISE. (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
  - LIGHTING CONTROLLER
  - GROUND FIELD
  - ELECTRIC UTILITY SERVICE
  - LUMINAIRE DESIGNATION
  - CONVENTIONAL LIGHTING UNIT, 2-310 WATT HPS LUMINAIRE. (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
  - CLOSED CIRCUIT TELEVISION CAMERA

**LOAD TABLE**  
LIGHTING CONTROLLER "R1"

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	30.4	7,296	B	30.1	7,224
C	24.0	5,760	D	25.1	6,024
E	33.8	8,112	F	32.6	7,824
G	31.7	7,608	H	32.0	7,680
I	-	-	J	-	-
K	-	-	L	-	-
M	-	-	N	-	-
O	-	-	P	-	-
<b>TOTAL</b>	<b>119.9</b>	<b>28,776</b>	<b>TOTAL</b>	<b>119.8</b>	<b>28,752</b>

**SINGLE LINE DIAGRAM**  
LIGHTING CONTROLLER "R1"  
NOT TO SCALE

- NOTES:**
- EXISTING UNDERPASS LIGHTING UNITS, 55 WATT LPS LUMINAIRE. (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
  - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED ITEMS AND WORK.

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 "R1"  
PROPOSED IMPROVEMENTS 2006

SCALE: NOT TO SCALE      DRAWN BY: CJM  
DATE: October 29, 2004      CHECKED BY: WDS