



- LEGEND:**
- HIGH MAST LIGHT TOWER
 - 400W. HPS LUMINAIRE (BLACK PHASE- SOLID SYMBOLS, RED PHASE-OPEN SYMBOL)
 - 7VCD1** HIGH MAST TOWER DESIGNATION
 - LIGHTING CONTROLLER
 - GROUND FIELD
 - ELECTRIC UTILITY SERVICE
 - TEMPORARY WOOD POLE, 90 FT. WITH 15 FT. MAST ARM AND 400W HPS LUMINAIRE
 - AERIAL CABLE, 3#1/0 WITH MESSENGER CABLE UNLESS OTHERWISE NOTED
 - LIGHTED SIGN STRUCTURE WITH 170 W. FLUORESCENT LUMINAIRES. QUANTITY OF LUMINAIRES AS REQUIRED. (BLACK PHASE- SOLID SYMBOLS, RED PHASE, OPEN SYMBOL)
 - 3 POLE SAFETY SWITCH
 - UNDERPASS LIGHTING UNIT, 70W HPS LUMINAIRE. (BLACK PHASE- SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
 - UNDERPASS LIGHTING UNIT, 55W HPS LUMINAIRE. (BLACK PHASE- SOLID SYMBOL, RED PHASE-OPEN SYMBOL)

CIRCUIT	RED PHASE		BLACK PHASE	
	AMPS	WATTS	CIRCUIT	WATTS
A	44.55	8825	B	8595
C	34.10	6720	D	7010
E	42.95	8485	F	8085
G	35.35	7005	H	6950
I	SPARE	SPARE	J	SPARE
K	SPARE	SPARE	L	SPARE
M	SPARE	SPARE	N	SPARE
O	SPARE	SPARE	P	SPARE
TOTAL	156.95A	31,035	TOTAL	154,70A

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31st STREET TO I-57

**SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "V"
PROPOSED IMPROVEMENTS 2006**

SCALE: NONE DRAWN BY: BL
DATE: OCTOBER 29, 2004 CHECKED BY: SM