



CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	18.0	4,320	B	14.0	3,360
C	6.0	1,440	D	6.0	1,440
E	16.0	3,840	F	14.0	3,360
G	7.76	1,862.4	H	8.64	2,073.6
I	16.0	3,840	J	16.0	3,840
K	25.8	6,192	L	25.8	6,192
M			N		
O	30.0	7,200	P	30.0	7,200
TOTAL	92.0	22,094.4	TOTAL	114.44	20,865.6

**SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "P"**
(NOT TO SCALE)

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 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

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

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 "P"
PROPOSED IMPROVEMENTS 2005**

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

10/21/2004 8:52:44 PM