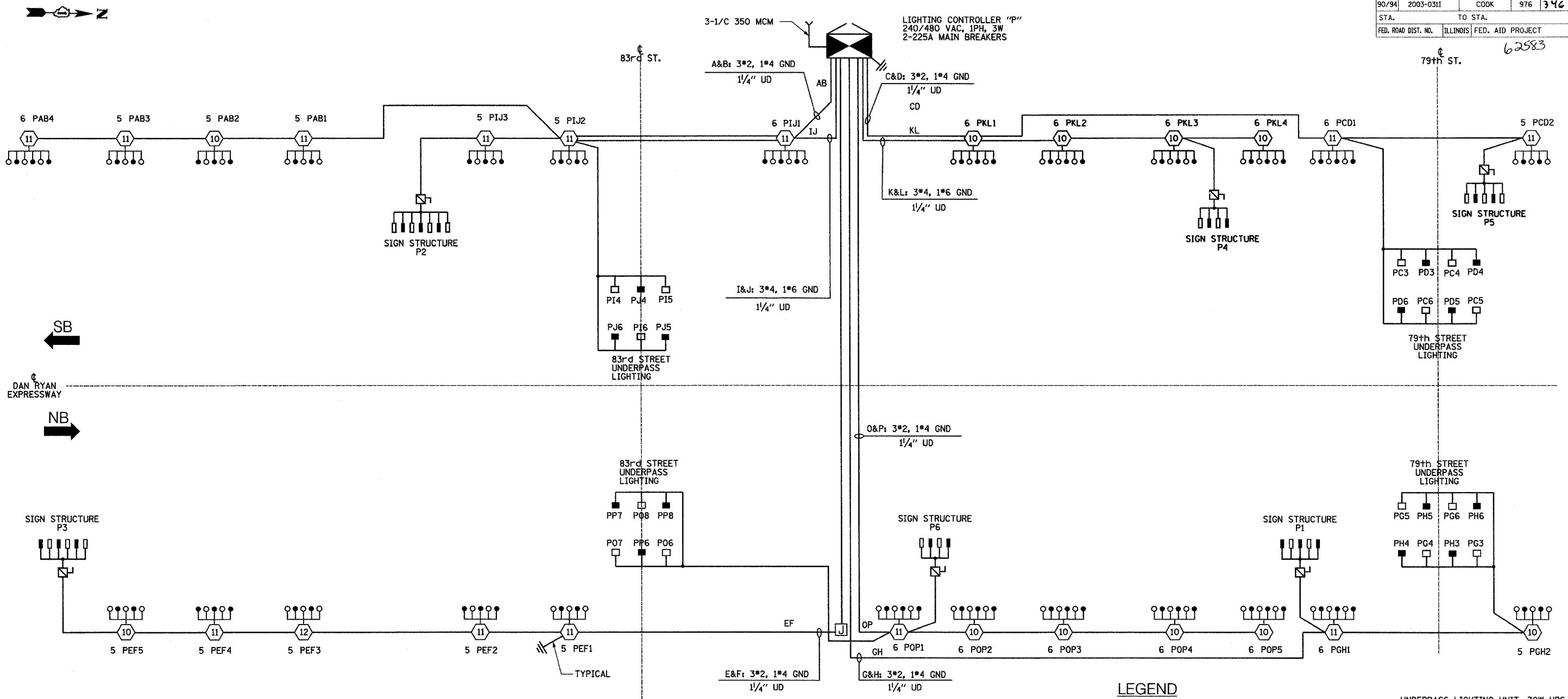


62583



**SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "P"**

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

LOAD TABLE LIGHTING CONTROLLER "P"					
CIRCUIT	RED PHASE		BLACK PHASE		CIRCUIT
	AMPS	WATTS	AMPS	WATTS	
A	22.0	5,280	B	20.0	4,800
C	16.2	3,888	D	13.4	3,216
E	29.0	6,960	F	27.4	6,576
G	13.6	3,264	H	11.6	2,784
I	20.7	4,968	J	19.8	4,752
K	25.8	6,192	L	25.8	6,192
M			N		
O	34.3	8,232	P	33.9	8,136
TOTAL	167.7	40,248	TOTAL	157.2	37,728

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"
FINAL CONDITION**

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

10/27/2004 8:52:46 PM