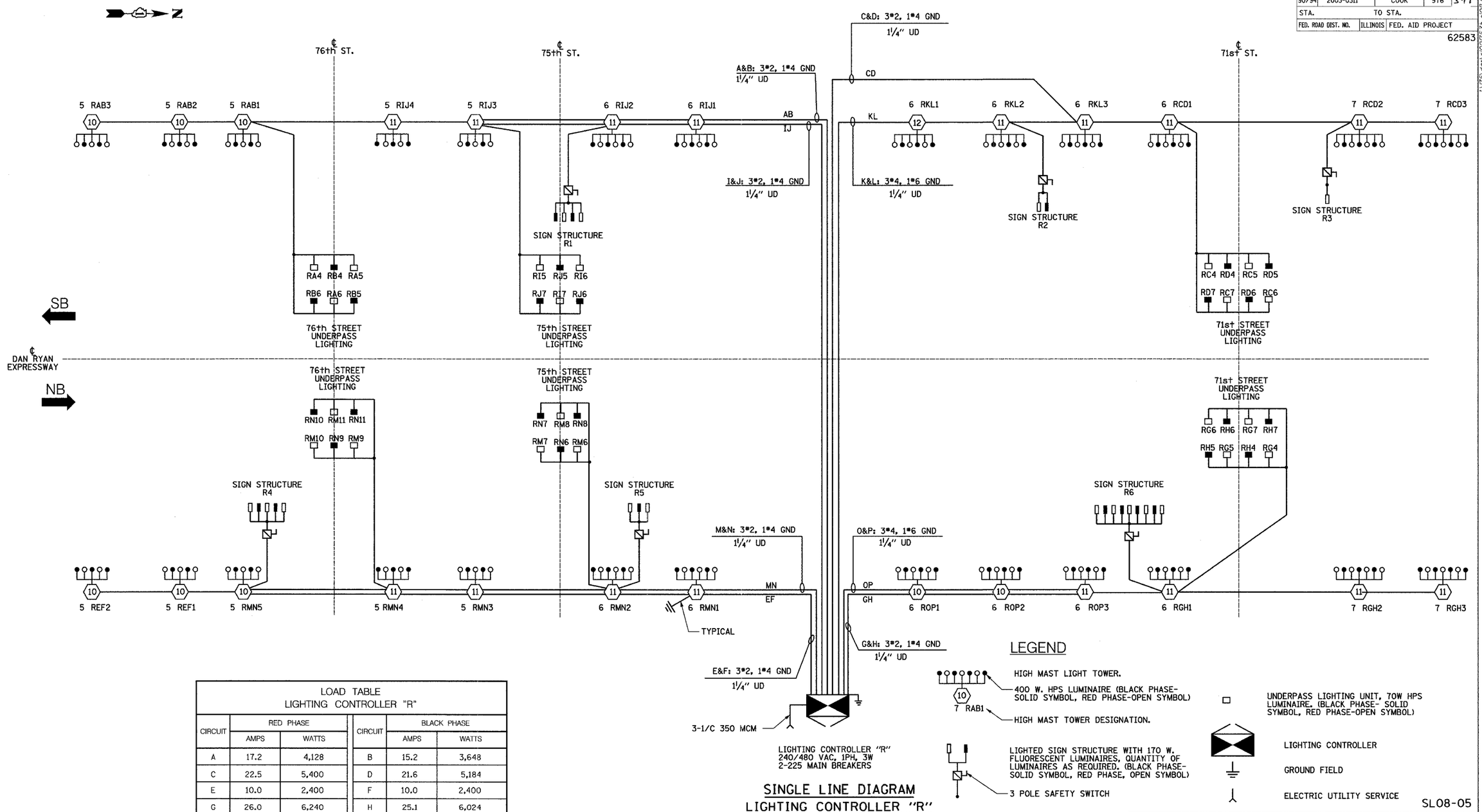
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-031I	COOK	976	347
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62583



SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "R"

LEGEND

- HIGH MAST LIGHT TOWER.
- 400 W. HPS LUMINAIRE (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- 7 RAB1 — 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

SL08-05

LOAD TABLE
LIGHTING CONTROLLER "R"

CIRCUIT	RED PHASE AMPS	RED PHASE WATTS	CIRCUIT	BLACK PHASE AMPS	BLACK PHASE WATTS
A	17.2	4,128	B	15.2	3,648
C	22.5	5,400	D	21.6	5,184
E	10.0	2,400	F	10.0	2,400
G	26.0	6,240	H	25.1	6,024
I	25.0	6,000	J	25.0	6,000
K	19.8	4,752	L	19.8	4,752
M	34.8	8,352	N	31.0	7,440
O	18.0	4,320	P	18.0	4,320
TOTAL	173.3	41,592	TOTAL	165.7	39,768

NOTES:

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

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

REVISIONS	
NAME	DATE
REVISED	01/21/05

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

SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "R"
FINAL CONDITION

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

1/25/2005 12:23:30 PM