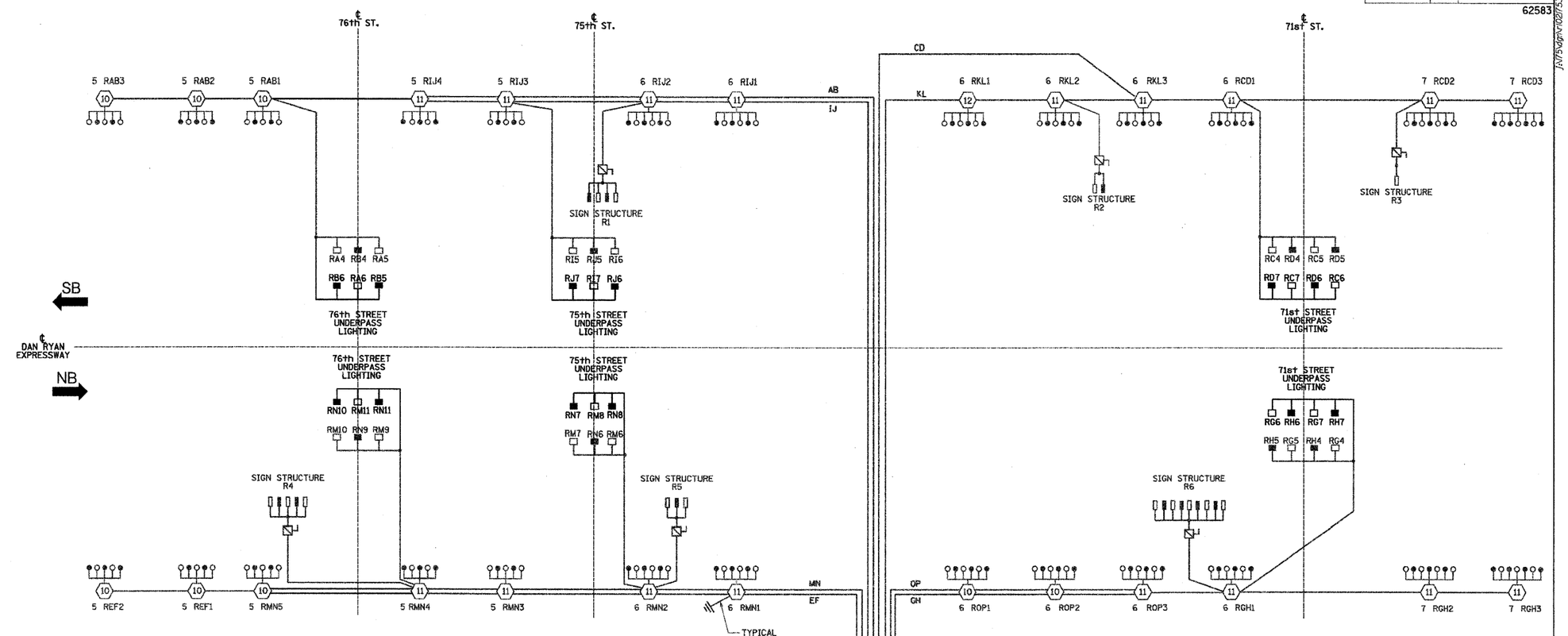
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	334
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62583

J:\75\dgn\1027535-s07-05.sht



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

LEGEND

- HIGH MAST LIGHT TOWER. 400 W. HPS LUMINAIRE (BLACK PHASE- SOLID SYMBOL, RED PHASE-OPEN SYMBOL). HIGH MAST TOWER DESIGNATION. (10 / 7 RAB1)
- UNDERPASS LIGHTING UNIT, 70W HPS LUMINAIRE. (BLACK PHASE- SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- LIGHTING CONTROLLER
- GROUND FIELD
- ELECTRIC UTILITY SERVICE
- 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

SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "R"

NOTES:

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

SL07-05

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

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"
PROPOSED IMPROVEMENTS 2007

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

1/25/2005 12:23:29 PM

FOR INFORMATION ONLY

(Sheet 2 of 2)

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

USER NAME =	DESIGNED - MTH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRICAL DETAILS 5RMN5
FILE NAME =	CHECKED - ADB	REVISED -		
PLOT SCALE =	DRAWN - AJF	REVISED -		
PLOT DATE =	CHECKED - MTH	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2011-021-L	COOK	19	17
		CONTRACT NO. 60P16		
	ILLINOIS	FED. AID PROJECT		