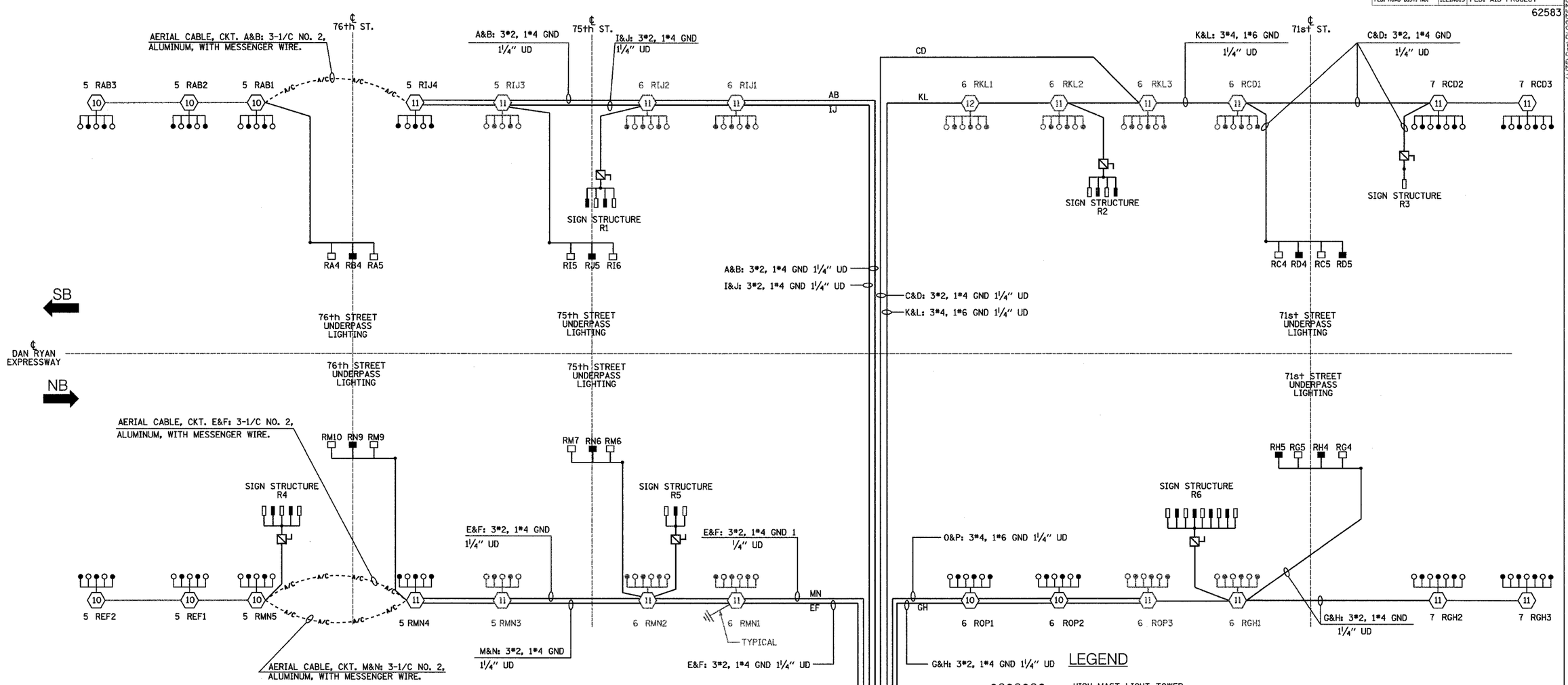
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	321
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62583



LEGEND

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

SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "R"

NOTES:

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

LOAD TABLE
LIGHTING CONTROLLER "R"

CIRCUIT	RED PHASE AMPS	RED PHASE WATTS	CIRCUIT	BLACK PHASE AMPS	BLACK PHASE WATTS
A	16.8	4,032	B	14.4	3,456
C	21.7	5,208	D	20.8	4,992
E	10.0	2,400	F	10.0	2,400
G	25.2	6,048	H	24.3	5,832
I	24.6	5,904	J	24.2	5,808
K	19.8	4,752	L	19.8	4,752
M	34.0	8,160	N	29.4	7,056
O	18.0	4,320	P	18.0	4,320
TOTAL	170.1	40,824	TOTAL	160.9	38,616

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"
PROPOSED IMPROVEMENTS 2006

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

SL06-05

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