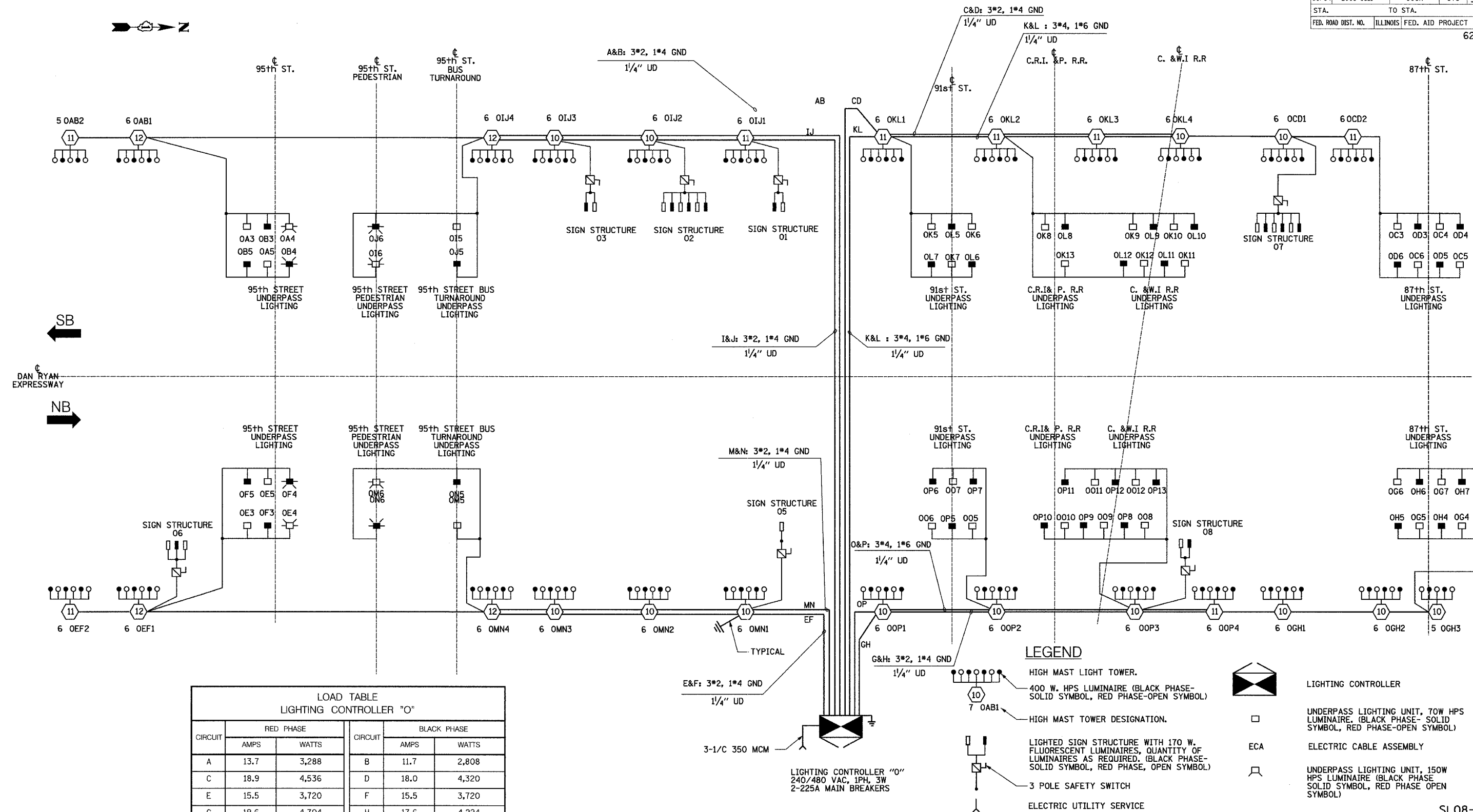


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	345
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

62583



LOAD TABLE
LIGHTING CONTROLLER "O"

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	13.7	3,288	B	11.7	2,808
C	18.9	4,536	D	18.0	4,320
E	15.5	3,720	F	15.5	3,720
G	19.6	4,704	H	17.6	4,224
I	31.5	7,560	J	31.5	7,560
K	27.6	6,624	L	27.2	6,528
M	27.1	6,504	N	27.1	6,504
O	29.0	6,950	P	29.4	7,056
TOTAL	182.5	43,800	TOTAL	178.0	42,720

SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "O"

- NOTES:
- 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
- ELECTRIC UTILITY SERVICE
- GROUND ROD
- LIGHTING CONTROLLER
- UNDERPASS LIGHTING UNIT, 70W HPS LUMINAIRE. (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- ECA ELECTRIC CABLE ASSEMBLY
- UNDERPASS LIGHTING UNIT, 150W HPS LUMINAIRE (BLACK PHASE-SOLID SYMBOL, RED PHASE OPEN SYMBOL)

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 "O"
FINAL CONDITION

SCALE: NOT TO SCALE
DATE: OCTOBER 29, 2004

DRAWN BY: YJ
CHECKED BY: TM

SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

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CHICAGO, IL 60606
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