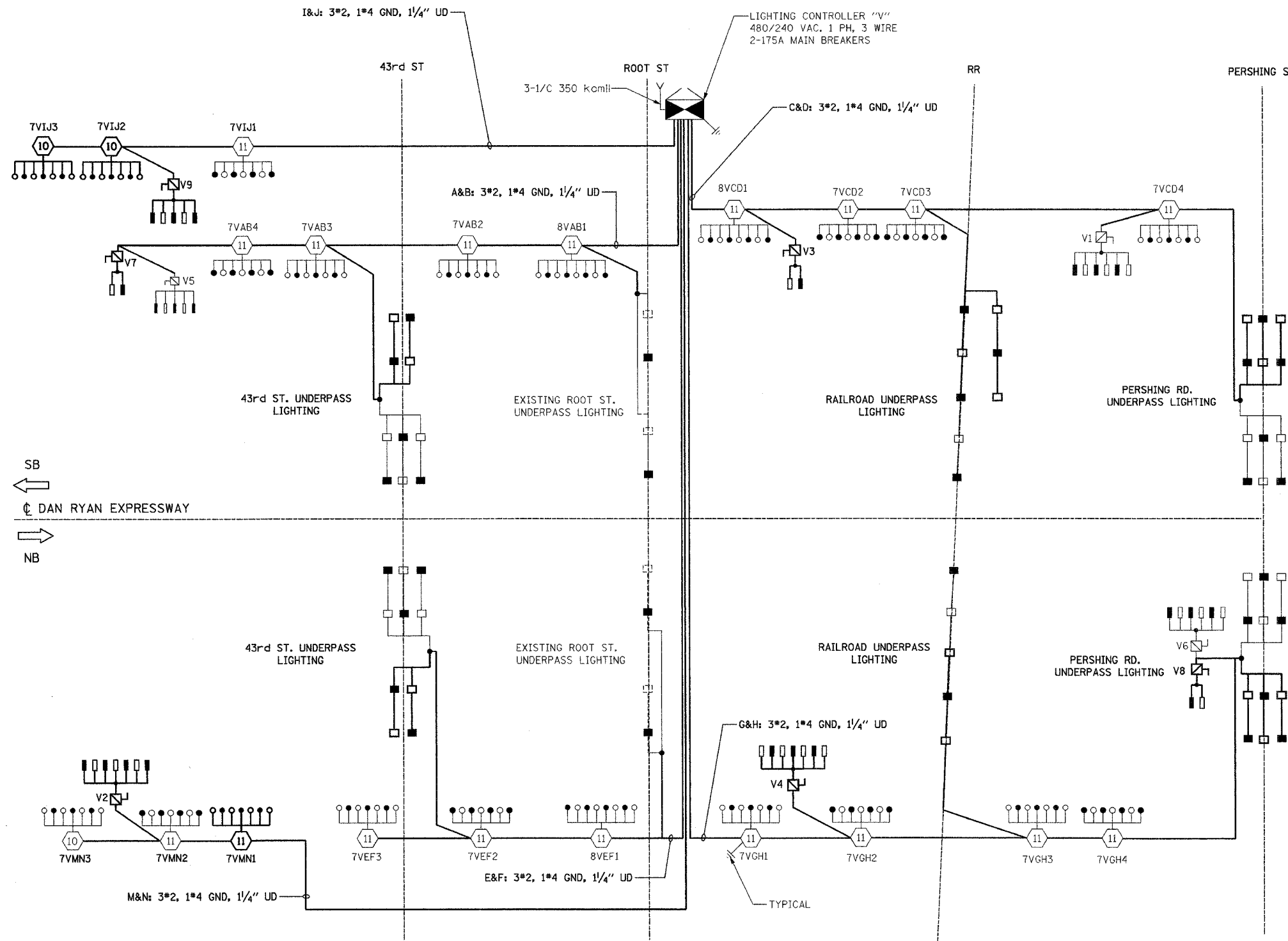


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-0311	COOK	976	340
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62583				



- LEGEND:**
- HIGH MAST LIGHT TOWER
  - 400W. HPS LUMINAIRE (BLACK PHASE- SOLID SYMBOLS, RED PHASE-OPEN SYMBOL)
  - 7VCD1 HIGH MAST TOWER DESIGNATION
  - LIGHTING CONTROLLER
  - GROUND FIELD
  - ELECTRIC UTILITY SERVICE
  - UNIT DUCT, 3-1/2 WITH 1/2 #4 GROUND, 1/4"
  - LIGHTED SIGN STRUCTURE WITH 170 W. FLUORESCENT LUMINAIRE. QUANTITY OF LUMINAIRE AS REQUIRED. (BLACK PHASE- SOLID SYMBOLS, RED PHASE, OPEN SYMBOL)
  - 3 POLE SAFETY SWITCH
  - UNDERPASS LIGHTING UNIT, 70W HPS LUMINAIRE. (BLACK PHASE- SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
  - UNDERPASS LIGHTING UNIT, 55W HPS LUMINAIRE. (BLACK PHASE- SOLID SYMBOL, RED PHASE-OPEN SYMBOL)

**LOAD TABLE  
LIGHTING CONTROLLER "V"**

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	CIRCUIT	AMPS	WATTS
A	35.10	6970	B	33.90	6740
C	35.20	6980	D	37.20	7380
E	24.00	4750	F	24.00	4750
G	38.00	7590	H	36.80	7350
I	23.60	4740	J	22.40	4510
K	SPARE	SPARE	L	SPARE	SPARE
M	24.40	4910	N	23.20	4680
O	SPARE	SPARE	P	SPARE	SPARE
<b>TOTAL</b>	<b>180.30A</b>	<b>35,940</b>	<b>TOTAL</b>	<b>177.50A</b>	<b>35,410</b>

SL07-11

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET TO I-57
NAME	DATE	
		<b>SINGLE LINE DIAGRAM LIGHTING CONTROLLER "V" PROPOSED IMPROVEMENTS 2007</b>
SCALE: NONE		DRAWN BY: BL
DATE: OCTOBER 29, 2004		CHECKED BY: SM

**K&E** KAM ENGINEERING, INC.  
CONSULTING ENGINEERS  
707A Davis Road, Suite 205  
Elgin, Illinois 60123-1369

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