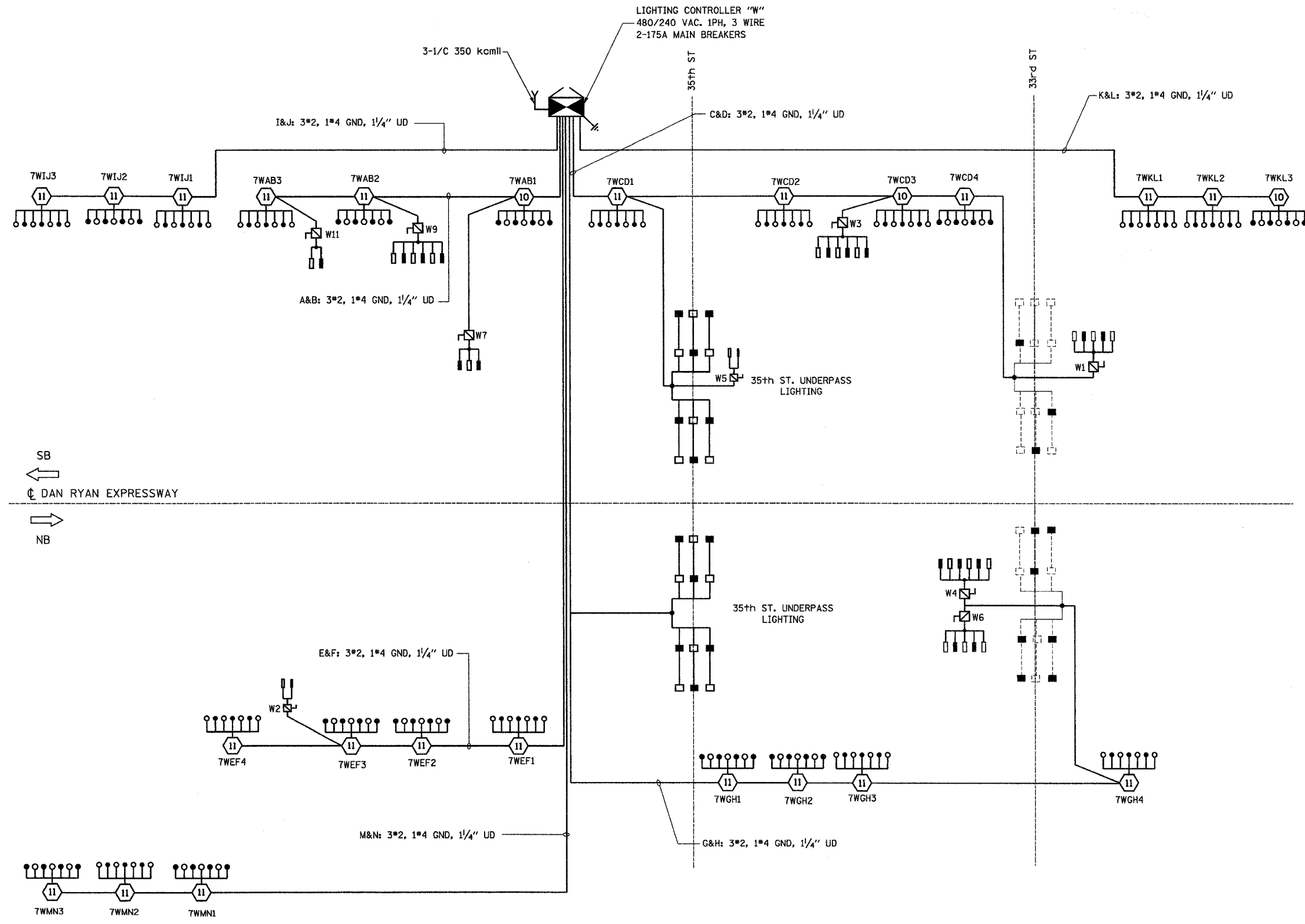


F.A.I. RITE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-03II	COOK	976	354
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62583				



**LEGEND:**

- HIGH MAST LIGHT TOWER
- 400W. HPS LUMINAIRE (BLACK PHASE- SOLID SYMBOLS, RED PHASE-OPEN SYMBOL)
- 7WCD1 HIGH MAST TOWER DESIGNATION
- LIGHTING CONTROLLER
- GROUND FIELD
- ELECTRIC UTILITY SERVICE
- UNIT DUCT, 3-1/C \*2 WITH 1/C \*4 GROUND, 1/4"
- LIGHTED SIGN STRUCTURE WITH 170 W. FLUORESCENT LUMINAIRES. QUANTITY OF LUMINAIRES 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)

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	24.00	4850	B	26.80	5420
C	41.15	8105	D	34.25	6805
E	28.80	5770	F	28.80	5770
G	36.95	7315	H	37.65	7425
I	22.00	4400	J	20.00	4000
K	22.00	4400	L	20.00	4000
M	20.00	4000	N	22.00	4400
O	SPARE	SPARE	P	SPARE	SPARE
<b>TOTAL</b>	<b>194.90A</b>	<b>38,840</b>	<b>TOTAL</b>	<b>189.50A</b>	<b>37,820</b>

**KAM ENGINEERING, INC.**  
CONSULTING ENGINEERS  
707A Davls Road, Suite 205  
Elgin, Illinois 60123-1369

REVISIONS	
NAME	DATE

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

**SINGLE LINE DIAGRAM  
LIGHTING CONTROLLER "W"  
FINAL CONDITION**

SCALE: NONE  
DATE: OCTOBER 29, 2004

DRAWN BY: BL  
CHECKED BY: SM

SL08-12

10/16/2004 10:55:41 AM