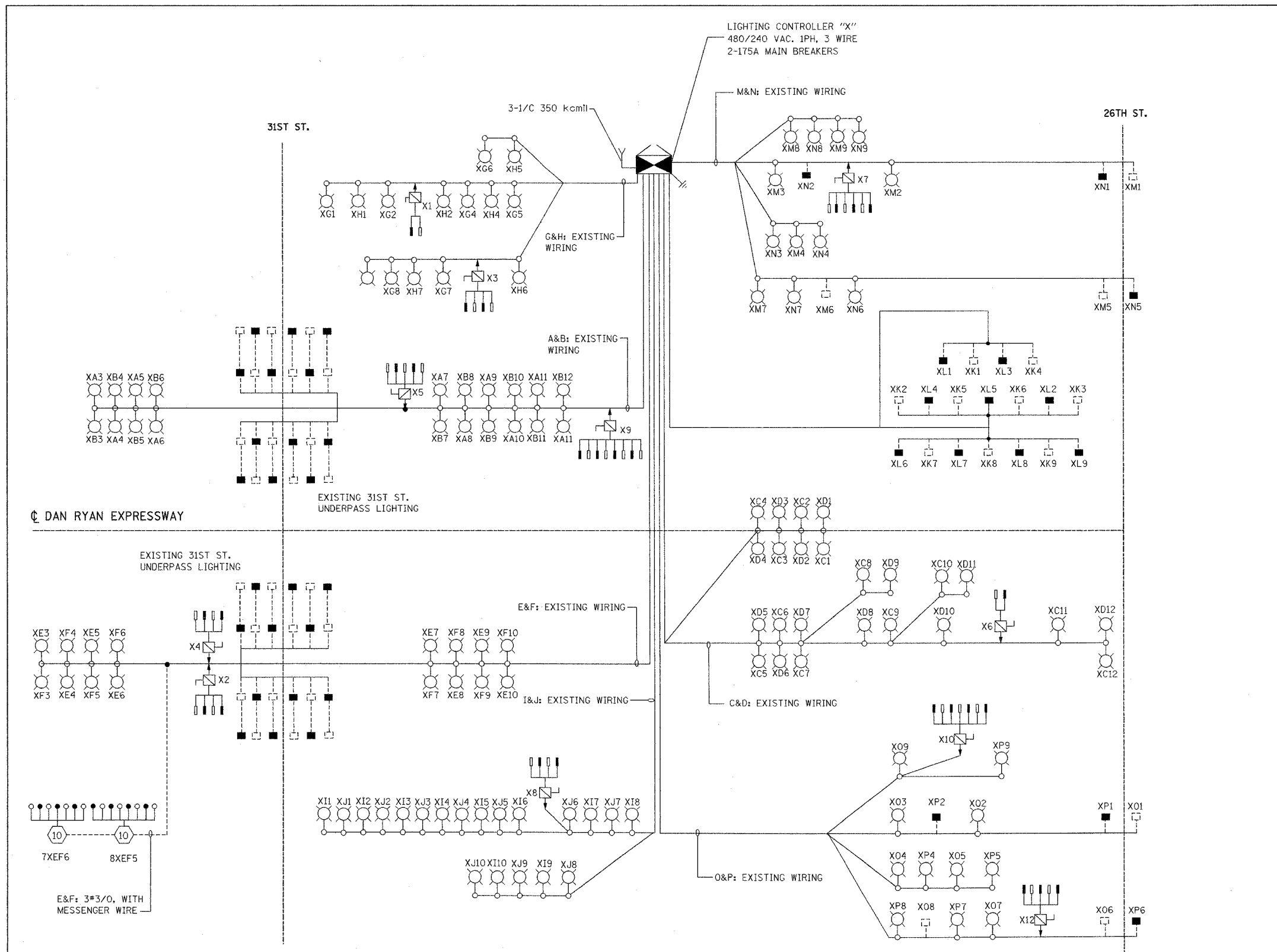


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-0311	COOK	976	316
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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" #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, 55W HPS LUMINAIRE. (BLACK PHASE- SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
 - CONVENTIONAL LIGHTING UNIT, 310 WATT HPS LUMINAIRE.
 - CONVENTIONAL LIGHTING UNIT, 2-310 WATT HPS LUMINAIRE.
 - AERIAL CABLE, 3*3/0 WITH MESSENGER CABLE UNLESS OTHERWISE INDICATED

**LOAD TABLE
LIGHTING CONTROLLER "X"**

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	CIRCUIT	AMPS	WATTS
A	24.80	4950	B	24.00	4780
C	18.80	3890	D	18.80	3890
E	35.40	7020	F	33.40	6620
G	12.90	2680	H	12.90	2680
I	16.60	3440	J	16.60	3440
K	3.15	495	L	3.15	495
M	12.45	2535	N	12.45	2535
O	14.05	2875	P	14.15	2905
TOTAL	138.15A	27,885	TOTAL	135.45A	27,345

KAM ENGINEERING, INC.
CONSULTING ENGINEERS
707A Davis 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 "X"
PROPOSED IMPROVEMENTS 2005**

SCALE: NONE DRAWN BY: BL
DATE: OCTOBER 29, 2004 CHECKED BY: SM

SL05-13

10/16/2004 11:58:21 AM