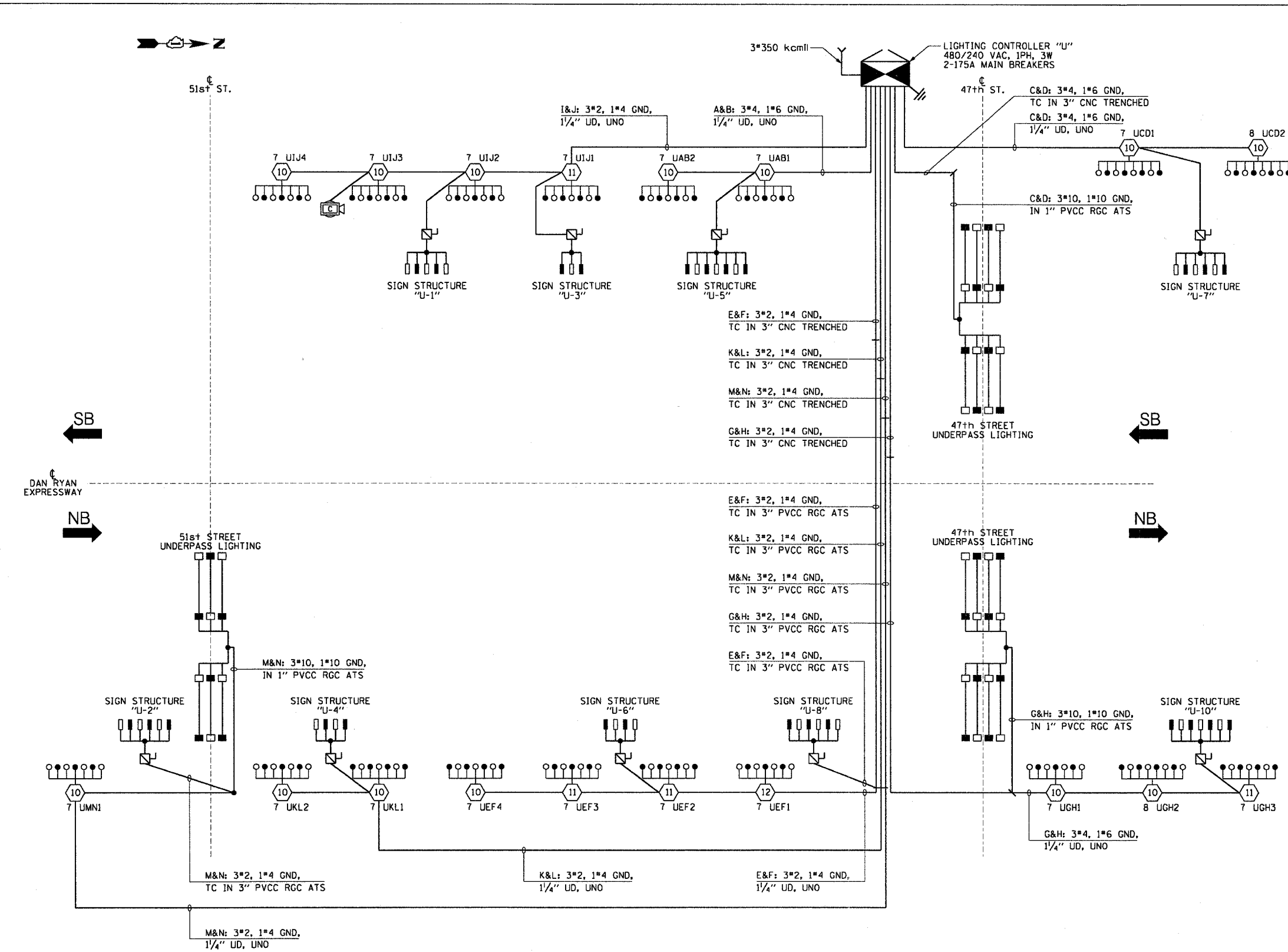


F.A.I. SECTION COUNTY TOTAL SHEET NO.	90/94 2003-0311 COOK 976 352
STA. TO STA.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

62583

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
- UNDERPASS LIGHTING UNIT, 70 WATT HPS LUMINAIRE. (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- LIGHTING CONTROLLER
- GROUND FIELD
- ELECTRIC UTILITY SERVICE
- CLOSED CIRCUIT TELEVISION CAMERA



CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	16.1	3,864	B	17.0	4,080
C	19.2	4,608	D	21.1	5,064
E	31.3	7,512	F	31.3	7,512
G	26.9	6,456	H	27.7	6,648
I	30.5	7,320	J	30.5	7,320
K	15.3	3,672	L	15.3	3,672
M	12.6	3,024	N	10.7	2,568
O			P		
TOTAL	151.9	36,456	TOTAL	153.6	36,864

**SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "U"**
NOT TO SCALE

CTE ENGINEERS
CONSOER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.
303 EAST WACKER DRIVE, SUITE 600
CHICAGO, ILLINOIS 60601-5212, PHONE: (312) 938-0300

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 "U"**
PROPOSED IMPROVEMENTS

SCALE: NOT TO SCALE DRAWN BY: CJM
DATE: October 29, 2004 CHECKED BY: WDS

10/15/2004 06:37:51 PM