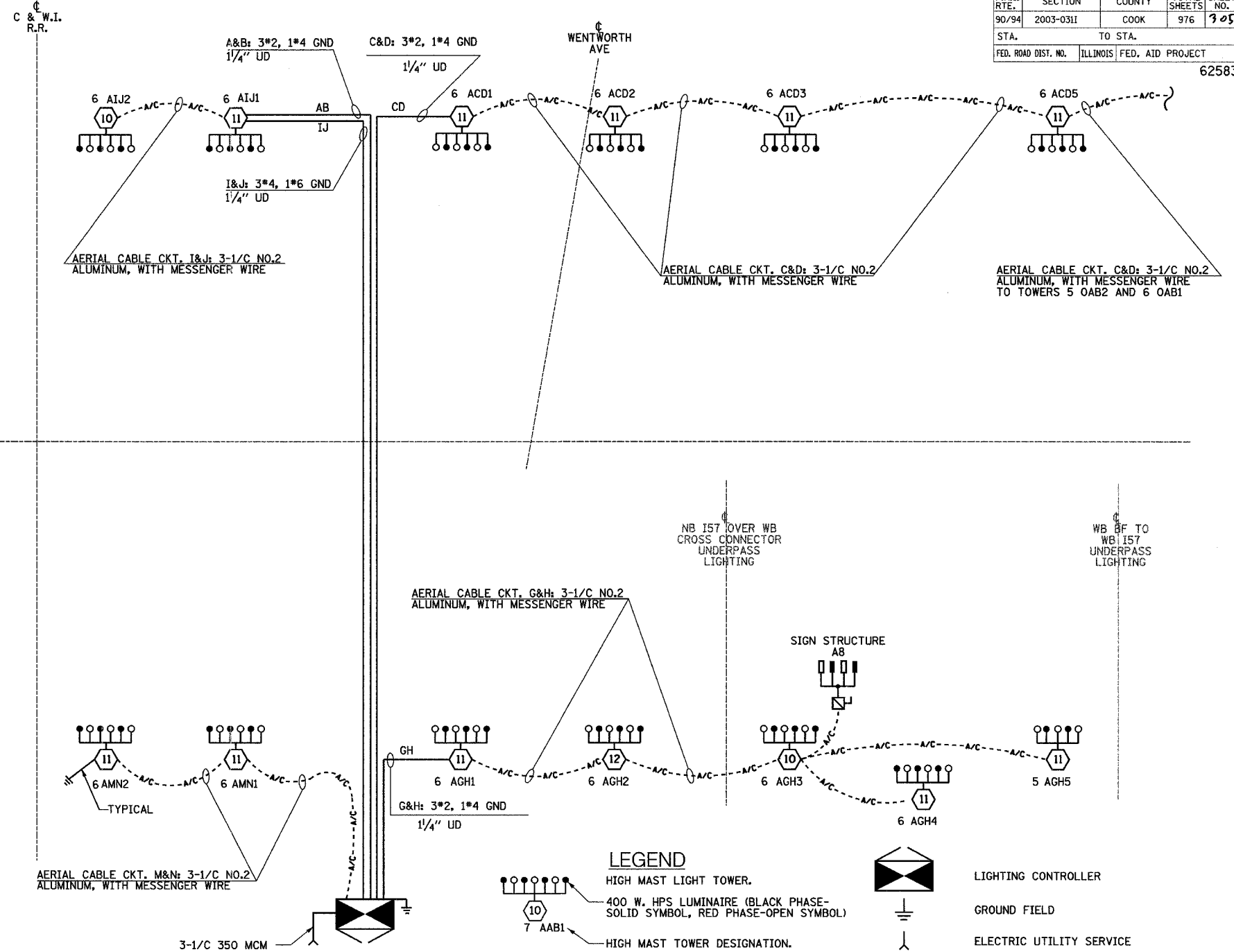


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2003-0311	COOK	976	305
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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, 70W HPS LUMINAIRE, (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)
- LIGHTING CONTROLLER
- GROUND FIELD
- ELECTRIC UTILITY SERVICE
- ECA
- CONVENTIONAL LIGHTING UNIT, 310 WATT HPS LUMINAIRE, (BLACK PHASE-SOLID SYMBOL, RED PHASE-OPEN SYMBOL)

**SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "A"**

- NOTES:
- SEE DRAWING ME-12 FOR WIRING DIAGRAM DETAILS

LOAD TABLE
LIGHTING CONTROLLER "A"

CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE	
	AMPS	WATTS		AMPS	WATTS
A			B		
C	36.0	8,640	D	34.0	8,160
E			F		
G	31.8	7,632	H	29.8	7,152
I	12.0	2,880	J	12.0	2,880
K			L		
M	12.0	2,880	N	12.0	2,880
O			P		
TOTAL	91.8	22,032	TOTAL	87.8	21,072

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS TEL: (312) 629-0240
FAX: (312) 629-8449

SL05-01

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 "A"
PROPOSED IMPROVEMENTS 2005**

SCALE: NOT TO SCALE DRAWN BY: YJ
DATE: OCTOBER 29, 2004 CHECKED BY: TM

11/23/2004 2:24:02 PM