

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	770
STA. 129+00/231+50 TO STA. 142+00/245+00		142+00/245+00/336+00/411+00	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	62583	

NOTES:

- SEE DRAWING ME-01 AND ME-02 FOR ELECTRICAL SYSTEMS AND ABBREVIATIONS.
- UNLESS OTHERWISE STATED, ALL NOTED CABLE AND CONDUIT TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
- TRENCHED CONDUITS INSTALLED IN PARALLEL ARE TO BE INSTALLED IN COMMON TRENCH.
- THIS SHEET ONLY DEPICTS INSTALLATION OF COMMUNICATIONS ELEMENTS. REFER TO SHEETS FOR OTHER SUBSYSTEMS FOR ADDITIONAL ELEMENTS IN THE AREA SHOWN.
- CONTRACTOR TO ROD AND CLEAN EXISTING CONDUITS PRIOR TO INSTALLING AND PULLING INNERDUCTS AND CABLES IN CONDUITS.
- COMMUNICATIONS CONDUIT SHALL NOT BE INSTALLED IN ELECTRIC HANDHOLES (SEE DETAIL SHEET DT-45).
- FOR HANDHOLE DETAILS, SEE SHEET DT-44 AND DT-46.
- INTERCEPT EXISTING CONDUITS FROM CAMERA INSTALLATION.

4" CNC CONCRETE ENCASED, BY OTHERS  
(3) 1/4" CNC (48F, (3) 6F, SPARE)  
4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)  
4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)

(3) 1/4" CNC IN TRENCH (48F, (3) 6F, SPARE)

DRILL EXISTING HANDHOLE

MATCHLINE STA. 129+00  
SEE SHEET COMM-03

MATCHLINE STA. 231+50  
SEE SHEET COMM-03

6 SM  
CH-0A R04, 1-6  
6 SM  
BF-0B R04, 1-6  
6 SM  
BF-0D R04, 1-6  
6 SM  
BF-0A R04, 1-6  
6 SM  
BF-0C R04, 1-6  
6 SM  
DR-10B R04, 1-6  
6 SM  
DR-9C R04, 1-6  
48 SM  
R03 R04, 1-48  
96 SM  
R03 R04, 1-96

HH 410, TYPE C1  
STA 409+05, BY OTHERS  
FIBER OPTIC SPLICE - LATERAL  
3" GSC IN TRENCH, BY OTHERS (12F, 6F)  
3" GSC IN TRENCH, BY OTHERS (SPARE)  
4" CNC CONCRETE ENCASED, BY OTHERS  
(3) 1/4" CNC (96F, SPARE, SPARE)  
4" CNC CONCRETE ENCASED, BY OTHERS  
(3) 1/4" CNC (48F, (7) 6F, SPARE)  
4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)

6 SM  
BF-0B R04, 1-6  
6 SM  
BF-0D R04, 1-6  
6 SM  
BF-0A R04, 1-6  
6 SM  
BF-0C R04, 1-6  
6 SM  
DR-10B R04, 1-6  
6 SM  
DR-9C R04, 1-6  
48 SM  
R03 R04, 1-48  
96 SM  
R03 R04, 1-96

6 SM  
CH-0A R04, 1-6  
12 SM  
R03 R04, 1-8

(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)  
(3) 1/4" CNC IN TRENCH (48F, (6) 6F, SPARE)  
(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)  
(3) 1/4" CNC IN TRENCH (48F, (6) 6F, SPARE)

PROPOSED CCTV CABINET CH-OA  
TOWER NO. ACH2  
1/4" CNC IN TRENCH (6F)  
6 SM  
CH-0A R04, 1-6

FIBER OPTIC TERMINATION PANEL, 12F  
PROPOSED SURVEILLANCE CABINET 71  
STA. 233+66, 77LT  
3" GSC TRENCHED (12F)  
12 SM  
R02 R04, 1-8

HH 408, TYPE S1  
STA 233+66, BY OTHERS  
3" GSC IN TRENCH, BY OTHERS (12F)  
3" GSC IN TRENCH, BY OTHERS (SPARE)

4" CNC CONCRETE ENCASED, BY OTHERS (3) 1/4" CNC (48F, (3) 6F, SPARE)  
4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)  
4" CNC CONCRETE ENCASED, BY OTHERS (SPARE)

INSTALL AND CONNECT 6 SM FIBERS IN CABINET A1.

HH 406, TYPE S1  
STA 7426+83, BY OTHERS

3" GSC IN TRENCH (6F)  
3" GSC IN TRENCH (SPARE)  
3" GSC IN TRENCH, BY OTHERS (6F)

(3) 1/4" CNC IN TRENCH (48F, (3) 6F, SPARE)  
6 SM  
CCTV-04 R04, 1-6  
6 SM  
CCTV-05 R04, 1-6  
6 SM  
SCL-04 R04, 1-6  
48 SM  
R02 R04, 1-48

HH 405, TYPE S1  
STA 7426+55, BY OTHERS

(3) 1/4" CNC IN TRENCH (48F, (3) 6F, SPARE)

HH 407, TYPE S1  
STA 133+45

HH 412, TYPE S1  
STA 132+90

FIBER OPTIC SPLICE - LATERAL  
HH 417, TYPE C1  
STA 140+85 (NOTE B)  
3" GSC IN TRENCH (6F)

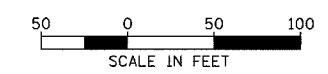
3" GSC IN TRENCH, BY OTHERS (6F)  
HH 414, TYPE S1  
STA 139+44, BY OTHERS

INSTALL EXISTING COMMUNICATIONS CABLES IN (2) 4" PVC CONDUIT ENCASED IN CONCRETE  
INSTALL EXISTING COMMUNICATIONS CABLES IN (2) 4" GSC IN TRENCH, BY OTHERS

(3) 1/4" CNC IN TRENCH (96F, SPARE, SPARE)  
(3) 1/4" CNC IN TRENCH (48F, (7) 6F, SPARE)  
(3) 1/4" CNC IN TRENCH (48F, (7) 6F, SPARE)

MATCHLINE STA. 411+00  
SEE SHEET COMM-05

MATCHLINE STA. 335+00  
SEE SHEET COMM-05



COMM-04

REVISIONS	
NAME	DATE

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

COMMUNICATIONS BACKBONE CONDUIT AND CABLE LAYOUT

SCALE: 1"=50'  
DATE: October 29, 2004

DRAWN BY: YAD  
CHECKED BY: JEZ



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