

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2003-0311	COOK	976	2 B
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
62583			

SITE WORK:

IDOT MAINTENANCE YARD

- 1) THE IDOT MAINTENANCE YARD COMMUNICATION SHELTER DETAILS, SHOWN ON SHEETS COMM-81 THROUGH COMM-84, SHOULD BE DELETED BY THE CONTRACTOR. THE SHELTER, SHELTER CONCRETE FOUNDATION, SHELTER FENCING, CONCRETE BOLLARDS, CURB AND GUTTER WORK, AND GENERATOR CONCRETE FOUNDATION AS SHOWN ON SHEET COMM-80 SHOULD BE DELETED BY THE CONTRACTOR AND REPLACED WITH A COMMUNICATIONS CABINET AND CABINET CONCRETE FOUNDATION AS DESCRIBED IN "COMMUNICATIONS CABINET AND EQUIPMENT" SPECIAL PROVISION. ALL 96-FIBER CABLE SHOULD BE DELETED. THE 4" PVC ENCASED ELECTRIC SERVICE CONDUITS, 1/4" CNC AND 4" PVC COMMUNICATION CONDUITS, FIBER OPTIC CABLES, AND COMMUNICATION VAULT HH2606 SHOULD REMAIN OR AS DESCRIBED HEREIN.
- 2) THE 200A 120/240V ELECTRIC SERVICE INSTALLATION SHOULD BE REPLACED WITH A 30A 120V ELECTRIC SERVICE INSTALLATION. THE 3/C #4/0, 1/C #2 GND ELECTRIC SERVICE CABLE SHOULD BE REPLACED WITH A 2/C #4, 1/C #6 GND ELECTRIC SERVICE CABLE. THE 12/C #19 TELEPHONE CABLE SHOULD BE DELETED. THE UNDERGROUND TELEPHONE SERVICE INSTALLATION SHOULD BE DELETED. THE TWO (2) 4" PVC CONCRETE ENCASED CONDUITS BETWEEN THE ELECTRIC SERVICE UTILITY POLE AND COMMUNICATION CABINET SHOULD REMAIN.
- 3) QUANTITIES IN THE SUMMARY OF QUANTITIES HAVE BEEN MODIFIED TO REFLECT THIS REVISION. REVISED PLAN SHEETS WILL NOT BE PROVIDED TO THE CONTRACTOR.

IDOT COMMUNICATIONS CENTER

- 1) THE UNINTERRUPTIBLE POWER SUPPLY (UPS) UPGRADE AT THE IDOT DISTRICT 1 COMMUNICATIONS CENTER HAS BEEN MOVED TO ANOTHER CONTRACT. SHEETS DT-12A THROUGH DT-12I HAVE BEEN DELETED.
- 2) QUANTITIES IN THE SUMMARY OF QUANTITIES HAVE BEEN MODIFIED TO REFLECT THE DELETION OF THIS WORK. REVISED PLAN SHEETS WILL NOT BE PROVIDED TO THE CONTRACTOR.

EMERGENCY TRAFFIC PATROL (ETP)

- 1) EMERGENCY TRAFFIC PATROL (ETP) WORK SHOWN ON SHEET COMM-54 AND SHEETS COMM-107 THROUGH COMM-109 SHOULD BE DELETED BY THE CONTRACTOR.
- 2) QUANTITIES IN THE SUMMARY OF QUANTITIES HAVE BEEN MODIFIED TO REFLECT THE DELETION OF THIS WORK. REVISED PLAN SHEETS WILL NOT BE PROVIDED TO THE CONTRACTOR.

HANDHOLES:

- 1) THE FOLLOWING HEAVY DUTY HANDHOLES (TYPE S1) SHOULD BE REVISED TO COMMUNICATION VAULTS (TYPE C1):

HANDHOLE DESIGNATION	CORRESPONDING SHEETS
HH304	DET-03 & COMM-03
HH702	DET-07 & COMM-07

- 2) THE FOLLOWING COMMUNICATION VAULTS (TYPE C1) ARE NEW AND SHOULD BE ADDED:

HANDHOLE DESIGNATION	CORRESPONDING SHEETS
HH3610	DET-36 & COMM-36

- 3) QUANTITIES IN THE SUMMARY OF QUANTITIES HAVE BEEN MODIFIED TO REFLECT THE DELETION OF THIS WORK. REVISED PLAN SHEETS WILL NOT BE PROVIDED TO THE CONTRACTOR.

SPLICES:

- 1) FIBER OPTIC CABLE SPLICES BETWEEN A CCTV CAMERA 6-FIBER CABLE AND THE 48-FIBER CCTV CABLE SHOULD BE PERFORMED IN THE FOLLOWING COMMUNICATION VAULTS:

CCTV CABINET DESIGNATION	HANDHOLE DESIGNATION	CORRESPONDING SHEETS
CH-0A	HH410	COMM-04
BF-0B	HH706	COMM-07
BF-0D	HH702	COMM-07
DR-11	HH901	COMM-09
DR-10A	HH1303	COMM-13
DR-9A	HH1803	COMM-18
DR-8A	HH2201	COMM-22
DR-7C	HH2516	COMM-25
DR-7A	HH2901	COMM-29
DR-6B	HH3114	COMM-31
DR-5B	HH3610	COMM-36
DR-4C	HH3908	COMM-39
DR-3C	HH4404	COMM-44
DR-2B	HH4802	COMM-48

- 2) QUANTITIES IN THE SUMMARY OF QUANTITIES HAVE BEEN MODIFIED TO REFLECT THE ADDITION OF THIS WORK. REVISED PLAN SHEETS WILL NOT BE PROVIDED TO THE CONTRACTOR.

CCTV FIBER AND CONDUIT:

- 1) A 48-FIBER SINGLE-MODE CCTV CABLE SHOULD BE INSTALLED BY THE CONTRACTOR BETWEEN THE I-55 COMMUNICATION SHELTER (R01) AND THE IDOT MAINTENANCE YARD COMMUNICATIONS CABINET (R02). A 48-FIBER SINGLE-MODE CCTV CABLE SHOULD BE INSTALLED BY THE CONTRACTOR BETWEEN THE IDOT MAINTENANCE YARD COMMUNICATIONS CABINET (R02) AND THE EXISTING I-57 COMMUNICATION SHELTER (R04).
- 2) A 48-FIBER SINGLE-MODE CCTV CABLE SHOULD BE INSTALLED BY THE CONTRACTOR BETWEEN THE I-55 COMMUNICATION SHELTER (R01) AND THE EAST COMMUNICATION SHELTER (R03). A 48-FIBER SINGLE-MODE CCTV CABLE SHOULD BE INSTALLED BY THE CONTRACTOR BETWEEN THE EAST COMMUNICATION SHELTER (R03) AND THE EXISTING I-57 COMMUNICATION SHELTER (R04).
- 3) HOME-RUN 6-FIBER CCTV CABLE RUNS BETWEEN THE CCTV AND STRATEGIC CAMERA LOCATION CABINETS AND A CORRESPONDING COMMUNICATION SHELTER SHOULD BE DELETED BY THE CONTRACTOR.
- 4) 6-FIBER SINGLE-MODE CABLE FROM EACH CCTV CAMERA SITE TO THE COMMUNICATION VAULT IDENTIFIED IN THE TABLE ABOVE SHOULD BE INSTALLED BY THE CONTRACTOR.
- 5) 1/4" CNC BETWEEN EACH CCTV CABINET LIGHT TOWER AND STRATEGIC CAMERA LOCATION CABINET AND THE NEAREST HANDHOLE SHOULD BE DELETED BY THE CONTRACTOR.
- 6) 1/4" CNC FROM EACH CCTV CABINET LIGHT TOWER TO THE COMMUNICATION VAULT IDENTIFIED IN THE TABLE ABOVE SHOULD BE INSTALLED BY THE CONTRACTOR.
- 7) 1/4" CNC FROM EACH STRATEGIC CAMERA LOCATION CABINET LIGHT TOWER TO THE COMMUNICATION VAULT IDENTIFIED IN THE TABLE ABOVE SHOULD BE INSTALLED BY THE CONTRACTOR.
- 8) QUANTITIES IN THE SUMMARY OF QUANTITIES HAVE BEEN MODIFIED TO REFLECT THIS REVISION. REVISED PLAN SHEETS WILL NOT BE PROVIDED TO THE CONTRACTOR.
- 9) THE FOLLOWING NOTES SHALL APPLY TO SHEETS COMM-09 THROUGH COMM-46:
 - 6-FIBER CCTV CABLES ALONG THE WEST SIDE OF THE DAN RYAN EXPRESSWAY SHOULD BE DELETED.
 - 6-FIBER CCTV CABLES ALONG THE EAST SIDE OF THE DAN RYAN EXPRESSWAY SHOULD BE DELETED.
 - 48-FIBER CCTV CABLE SHOULD BE INSTALLED ON WEST SIDE OF THE DAN RYAN EXPRESSWAY.
 - 48-FIBER CCTV CABLE SHOULD BE INSTALLED ON EAST SIDE OF THE DAN RYAN EXPRESSWAY.
- 10) THE FOLLOWING NOTES SHALL APPLY TO SHEETS COMM-02 THROUGH COMM-04 AND COMM-06 THROUGH COMM-07:
 - THE 6-FIBER CCTV CABLES ALONG THE NORTH SIDE OF THE EXPRESSWAY SHOULD BE DELETED.
 - THE 6-FIBER CCTV CABLES ALONG THE SOUTH SIDE OF THE EXPRESSWAY SHOULD BE DELETED.
 - 48-FIBER CCTV CABLE SHOULD BE INSTALLED ON NORTH SIDE OF I-57 EXPRESSWAY.
 - 48-FIBER CCTV CABLE SHOULD BE INSTALLED ON SOUTH SIDE OF I-57 EXPRESSWAY.

SPECIFICALLY:

SHEET COMM-01:

- THE 6-FIBER CCTV CABLES ALONG THE NORTH SIDE OF THE I-57 EXPRESSWAY TO THE EXISTING I-57 SHELTER (R04) SHOULD BE DELETED.
- THE 6-FIBER CCTV CABLES ALONG THE SOUTH SIDE OF THE I-57 EXPRESSWAY TO THE EXISTING I-57 SHELTER (R04) SHOULD BE DELETED.
- 48-FIBER CCTV CABLE SHOULD BE INSTALLED ON NORTH SIDE OF I-57 EXPRESSWAY.
- 48-FIBER CCTV CABLE SHOULD BE INSTALLED ON SOUTH SIDE OF I-57 EXPRESSWAY.

SHEET COMM-03:

- HH304 SHOULD BE CONVERTED FROM A HEAVY DUTY HANDHOLE (TYPE S1) TO A COMMUNICATIONS VAULT (TYPE C1).

SHEET COMM-04:

- THE 6-FIBER CCTV CABLE FROM TOWER AGH2 (CABINET CH-0A) SHOULD BE SPLICED TO THE 48-FIBER CCTV CABLE IN HH410.

SHEET COMM-05:

- THE 6-FIBER CCTV CABLES ALONG THE SOUTH SIDE OF THE EXPRESSWAY SHOULD BE DELETED.
- 48-FIBER CCTV CABLE SHOULD BE INSTALLED ON SOUTH SIDE OF I-57 EXPRESSWAY.

SHEET COMM-06:

- 1/4" CNC BETWEEN TOWER MAB2 (CABINET BF-0A) AND HH601 SHOULD BE DELETED.
- THE 6-FIBER CCTV CABLE BETWEEN TOWER MAB2 (CABINET BF-0A) AND HH601 SHOULD BE DELETED.
- 1/4" CNC BETWEEN TOWER MAB2 (CABINET BF-0A) AND HH605 SHOULD BE INSTALLED.

SHEET COMM-07:

- 1/4" CNC BETWEEN HH704 AND HH705 AND BETWEEN HH705 AND HH706 SHOULD BE INSTALLED.
- 6-FIBER CCTV CABLE BETWEEN TOWER MMN2 (CABINET BF-0B) AND HH706 SHOULD BE INSTALLED.
- 6-FIBER CCTV CABLE FROM TOWER MMN2 (CABINET BF-0B) SHOULD BE SPLICED TO 48-FIBER CCTV CABLE IN HH706.
- HH702 SHOULD BE CONVERTED FROM A HEAVY DUTY HANDHOLE (TYPE S1) TO A COMMUNICATIONS VAULT (TYPE C1).
- 6-FIBER CCTV CABLE FROM TOWER MCD3 (CABINET BF-0D) SHOULD BE SPLICED TO 48-FIBER CCTV CABLE IN HH702.
- 6-FIBER CCTV CABLE BETWEEN TOWER MKL1 (CABINET BF-0C) AND HH706 SHOULD BE DELETED.

SHEET COMM-09:

- 6-FIBER CCTV CABLE FROM TOWER OAB2 (CABINET DR-11) SHOULD BE SPLICED TO 48-FIBER CCTV CABLE IN HH901.

SHEET COMM-10:

- 6-FIBER CCTV CABLE BETWEEN TOWER OIJ3 (CABINET DR-10C) AND HH102 SHOULD BE DELETED.

SHEET COMM-11:

- 1/4" CNC BETWEEN TOWER OMN1 (CABINET DR-10B) AND HH1110 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE BETWEEN TOWER OMN1 (CABINET DR-10B) AND HH1110 SHOULD BE DELETED.
- 1/4" CNC BETWEEN TOWER OMN1 (CABINET DR-10B) AND HH1109 AND BETWEEN HH1109 AND HH1008 SHOULD BE INSTALLED.

SHEET COMM-12:

- 1/4" CNC BETWEEN HH1203 AND HH1303 SHOULD BE INSTALLED.
- 6-FIBER CCTV CABLE BETWEEN TOWER OCD1 (CABINET DR-10A) AND HH1303 SHOULD BE INSTALLED.

SHEET COMM-13:

- 6-FIBER CCTV CABLE FROM TOWER OCD1 (CABINET DR-10A) SHOULD BE SPLICED TO 48-FIBER CCTV CABLE IN HH1303.

SHEET COMM-14:

- 1/4" CNC BETWEEN TOWER PEF5 (CABINET DR-9C) AND HH1401 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE BETWEEN TOWER PEF5 (CABINET DR-9C) AND HH1401 SHOULD BE DELETED.
- 1/4" CNC BETWEEN TOWER PEF5 (CABINET DR-9C) AND HH 1410 SHOULD BE INSTALLED.

SHEET COMM-16:

- 6-FIBER CCTV CABLE BETWEEN TOWER PIJ1 (CABINET DR-9B) AND HH1604 SHOULD BE DELETED.

SHEET COMM-17:

- 1/4" CNC BETWEEN HH1713 AND HH1803 SHOULD BE INSTALLED.
- 6-FIBER CCTV CABLE BETWEEN TOWER POP3 (CABINET DR-9A) AND HH1803 SHOULD BE INSTALLED.

SHEET COMM-18:

- 6-FIBER CCTV CABLE FROM TOWER POP3 (CABINET DR-9A) SHOULD BE SPLICED TO 48-FIBER CCTV CABLE IN HH1803.

SHEET COMM-19:

- 1/4" CNC BETWEEN TOWER RAB2 (CABINET DR-8C) AND HH1904 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE BETWEEN TOWER RAB2 (CABINET DR-8C) AND HH1904 SHOULD BE DELETED.
- 1/4" CNC BETWEEN TOWER RAB2 (CABINET DR-8C) AND HH1909 SHOULD BE INSTALLED.

SHEET COMM-20:

- 6-FIBER CCTV CABLE BETWEEN TOWER RMN1 (CABINET DR-8B) AND HH2009 SHOULD BE DELETED.

SHEET COMM-22:

- 6-FIBER CCTV CABLE FROM TOWER RKL3 (CABINET DR-8A) SHOULD BE SPLICED TO 48-FIBER CCTV CABLE IN HH2201.

SHEET COMM-23:

- 6-FIBER CCTV CABLE BETWEEN TOWER RGH6 (CABINET DR-7E) AND HH2305 SHOULD BE DELETED.

SHEET COMM-25:

- 1/4" CNC BETWEEN TOWER RIAB1 (CABINET DR-7D) AND HH2513 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE BETWEEN TOWER RIAB1 (CABINET DR-7D) AND HH2513 SHOULD BE DELETED.
- 1/4" CNC BETWEEN TOWER RIAB1 (CABINET DR-7D) AND HH2402 SHOULD BE INSTALLED.

SHEET COMM-26:

- 6-FIBER CCTV CABLE BETWEEN TOWER RIGH4 (CABINET DR-7B) AND HH2516 SHOULD BE DELETED.
- SEE IDOT MAINTENANCE YARD DESCRIPTION FOR REVISIONS MADE AT THIS SITE.

SHEET COMM-28:

- 1/4" CNC BETWEEN TOWER SAB1 (CABINET DR-7A) AND HH2801 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE BETWEEN TOWER SAB1 (CABINET DR-7A) AND HH2801 SHOULD BE DELETED.
- 1/4" CNC BETWEEN TOWER SAB1 (CABINET DR-7A) AND HH2802 AND BETWEEN HH2802 AND HH2901 SHOULD BE INSTALLED.
- 6-FIBER CCTV CABLE BETWEEN TOWER SAB1 (CABINET DR-7A) AND HH2901 SHOULD BE INSTALLED.

SHEET COMM-29:

- 6-FIBER CCTV CABLE BETWEEN TOWER SGH4 (CABINET DR-6D) AND HH2905 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE FROM TOWER SAB1 (CABINET DR-7A) SHOULD BE SPLICED TO 48-FIBER CCTV CABLE IN HH2901.

SHEET COMM-31:

- 1/4" CNC BETWEEN TOWER TAB1 (CABINET DR-6C) AND HH3001 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE BETWEEN TOWER TAB1 (CABINET DR-6C) AND HH3001 SHOULD BE DELETED.
- 1/4" CNC BETWEEN TOWER TAB1 (CABINET DR-6C) AND HH3102 SHOULD BE INSTALLED.
- 6-FIBER CCTV CABLE FROM TOWER TGH2 (CABINET DR-6B) SHOULD BE SPLICED TO 48-FIBER CCTV CABLE IN HH3114.

SHEET COMM-33:

- 6-FIBER CCTV CABLE BETWEEN TOWER TIAB1 (CABINET DR-6A) AND HH3320 SHOULD BE DELETED.

SHEET COMM-36:

- 1/4" CNC BETWEEN TOWER UIJ3 (CABINET DR-5B) AND HH 3601 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE BETWEEN TOWER UIJ3 (CABINET DR-5B) AND HH3601 SHOULD BE DELETED.
- NEW COMMUNICATION VAULT HH3610 SHOULD BE INSTALLED AT APPROXIMATELY STATION 1508+50.
- 1/4" CNC BETWEEN TOWER UIJ3 (CABINET DR-5B) AND HH3610 SHOULD BE INSTALLED.
- 6-FIBER CCTV CABLE BETWEEN TOWER UIJ3 (CABINET DR-5B) AND HH3610 SHOULD BE INSTALLED.
- 6-FIBER CCTV CABLE FROM TOWER UIJ3 (CABINET DR-5B) SHOULD BE SPLICED TO 48-FIBER CCTV CABLE IN HH3610.

SHEET COMM-37:

- 1/4" CNC BETWEEN TOWER UAB1 (CABINET DR-5A) AND HH3703 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE BETWEEN TOWER UAB1 (CABINET DR-5A) AND HH3703 SHOULD BE DELETED.

SHEET COMM-39:

- 1/4" CNC BETWEEN TOWER VMN2 (CABINET DR-4C) AND HH3915 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE BETWEEN TOWER VMN2 (CABINET DR-4C) AND HH3915 SHOULD BE DELETED.
- 1/4" CNC BETWEEN TOWER VMN2 (CABINET DR-4C) AND HH3908 SHOULD BE INSTALLED.
- 6-FIBER CCTV CABLE BETWEEN TOWER VMN2 (CABINET DR-4C) AND HH3908 SHOULD BE INSTALLED.
- 6-FIBER CCTV CABLE FROM TOWER VMN2 (CABINET DR-4C) SHOULD BE SPLICED TO 48-FIBER CCTV CABLE IN HH3908.

SHEET COMM-40:

- 1/4" CNC BETWEEN TOWER VEF3 (CABINET DR-4B) AND HH4006 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE BETWEEN TOWER VEF3 (CABINET DR-4B) AND HH4006 SHOULD BE DELETED.
- 1/4" CNC BETWEEN TOWER VEF3 (CABINET DR-4B) AND HH4109 SHOULD BE INSTALLED.

SHEET COMM-41:

- 1/4" CNC BETWEEN TOWER VCD1 (CABINET DR-4A) AND HH4106 SHOULD BE DELETED.
- 6-FIBER CCTV CABLE BETWEEN TOWER VCD1 (CABINET DR-4A) AND HH4106 SHOULD BE DELETED.
- 1/4" CNC BETWEEN TOWER VCD1 (CABINET DR-4A) AND HH4104 SHOULD BE INSTALLED.

SHEET COMM-43:

- 6-FIBER CCTV CABLE BETWEEN TOWER WMN2 (CABINET DR-3D) AND HH4304 SHOULD BE DELETED.

SHEET COMM-44:

- 6-FIBER CCTV CABLE FROM TOWER WAB2 (CABINET DR-3C) SHOULD BE SPLICED TO 48-FIBER CCTV CABLE IN HH4404.
- 6-FIBER CCTV CABLE FROM TOWER WCD1 (CABINET DR3B) TO HH4501 SHOULD BE DELETED.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94/90 (DAN RYAN EXPRESSWAY) 31st STREET to I-57
NAME	DATE	
		DESIGN CHANGES AND CLARIFICATIONS



SCALE: NOT TO SCALE DATE: MARCH 24, 2005 DRAWN BY: DHI CHECKED BY: MJL/JEZ

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