

GENERAL NOTES:

1. ALL CONDUIT AND CABLE PLACEMENT SHOWN ON THE CONTRACT DRAWINGS IS CONDUIT AND SCHEMATIC ONLY. THE CONTRACTOR IS TO MAKE APPROPRIATE ADJUSTMENTS TO CLEAR OBSTRUCTIONS IN THE PATH.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND IDENTIFY ALL EXISTING CONDUITS, CABLES AND UTILITIES BEFORE COMMENCEMENT OF CONSTRUCTION.
3. THERE IS NO MID SPAN SPLICING OF THE FIBER OPTIC CABLE. ALL CABLE RUNS ARE TO BE CONTINUOUS BETWEEN STATIONS UNLESS DIRECTED OTHERWISE BY THE AUTHORITY.
4. SHOULD THERE BE ANY EXISTING EQUIPMENT THE CONTRACTOR IS TO REMOVE, THE EXISTING COPPER CABLE AND TELEPHONE JUNCTION BOXES ARE TO BE REMOVED AFTER CUT-OVER TO THE NEW CABLES.
5. THE CONTRACTOR IS TO REQUEST IN WRITING TO CTA ANY AND ALL SERVICE INTERRUPTIONS.
6. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE PUBLIC ADDRESS (PA) SYSTEM REMAINS OPERATIONAL 24 HOURS DAILY. EXCEPTION MAY OCCUR WHEN THE CONSTRUCTION SITE IS CLOSED. ANY INTERRUPTION OF PA SERVICE IS TO BE COORDINATED WITH THE CTA. THE CONTRACTOR IS TO PROVIDE A WRITTEN NOTICE REQUEST FOR APPROVAL TO THE CTA 10 DAYS IN ADVANCE FOR ANY COMMUNICATION SHUTDOWN OR CUT-OVER PRIOR TO INTERRUPTION OF SERVICE.
7. THE CONTRACTOR IS TO WORK WITH CTA DESIGNATED REPRESENTATIVE TO IDENTIFY EQUIPMENT TO BE REMOVED, BEFORE ACTUAL REMOVAL OF SUCH EQUIPMENT. REMOVED DEVICES ARE TO BE INVENTORIED AND RETURNED TO THE CTA STORAGE FACILITY.
8. IF DURING THE COURSE OF THE CONTRACT WORK, IT IS NECESSARY TO RELOCATE EXISTING FIBER AND/OR COPPER CABLES, THE CONTRACTOR IS TO PROTECT SUCH CABLES AND KEEP THEM OPERATIONAL DURING CONSTRUCTION.
9. FOR FIBER CONNECTORS INSTALLED UNDER THIS CONTRACT, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE OPERATIONAL OPTICAL LINKS AS REQUIRED TO TRANSPORT SIGNALS TO THE CTA'S CENTRAL CORE NODES. THE COMPLETE LINK, INCLUDING PORTIONS OF EXISTING CABLE IS TO BE MEASURED AND TESTED FOR OPTICAL PERFORMANCE AND LOSS BY CONTRACTOR. SUCH OPTICAL TIME-DOMAIN REFLECTOMETER (OTDR) TESTS WILL BE WITNESSED BY CTA DESIGNATED REPRESENTATIVE AND TEST RECORDS ARE TO BE SUBMITTED TO CTA FOR THE RECORD. IF FIBER FAILS THE OTDR TEST, CONTRACTOR IS TO PROVIDE NEW FIBER OPTIC CABLE AS NECESSARY AND RETEST UNTIL ALL FIBER CABLES PASS THE TEST SUCCESSFULLY AT NO ADDITIONAL COST TO THE CTA. ALL LINKS NEED TO PASS THE NECESSARY TESTS.
10. THE CCTV EQUIPMENT LAYOUT IS A SCHEMATIC REPRESENTATION ONLY. THE CONTRACTOR IS TO FIELD VERIFY ALL SPECIFIC CAMERA LOCATIONS, HEIGHT OF IP CAMERA AND HAVE IT APPROVED BY THE CTA DESIGNATED REPRESENTATIVE. ORIENTATION OF EVERY CAMERA IS TO BE ADJUSTED UNTIL CAMERA VISUAL COVERAGE IS ACCEPTABLE TO CTA AUTHORITIES. CONTRACTOR IS TO COORDINATE WITH THE CTA AND AUTHORITY THE FINAL FIELD OF VIEW POSITIONS FOR EACH CAMERA. A SNAPSHOT OF THE FINAL FIELD OF VIEW IS TO BE PROVIDED BY CONTRACTOR AS PART OF THE AS-BUILT RECORDS.
11. FINAL CAMERA CONDUIT INFRASTRUCTURE INSTALLATION DETAILS ARE TO BE PROVIDED BY THE CONTRACTOR. ALL CAT6 CABLE TERMINATIONS INSIDE HUB AND AT PATCH PANELS (e.g. CISCO 3000 SWITCH) ARE TO BE LABELED BY THE CONTRACTOR.
12. CONTRACTOR TO ENSURE ALL CAMERA HEATER CIRCUITS ARE POWERED UP FROM HUB/POWER SUPPLY.

13. CONTRACTOR IS NOT TO INTRODUCE ANY NEW SPLICES IN ANY EXISTING COMMUNICATION CABLES. IF DURING THE COURSE OF WORK, THE CONTRACTOR DAMAGES ANY EXISTING FIBER OPTIC CABLE, THE CONTRACTOR IS TO REPLACE IN KIND WITH NEW FIBER OPTIC CABLE AT NO ADDITIONAL COSTS TO AUTHORITY.
14. WHERE THE CONTRACTOR IS TO BE USING EXISTING CABLE AND SUCH CABLE IS OBSERVED TO NOT HAVE SUFFICIENT SLACK, THE CONTRACTOR IS TO PROVIDE AND INSTALL NEW CABLE FOR THAT SECTION WHEN NECESSARY SLACK IS REQUIRED.
15. COORDINATE PROPOSED CONDUIT RUNS WITH EXISTING CONDUITS, RISERS RACEWAYS WHERE POSSIBLE. ALL CONDUITS ARE TO BE CONCEALED, AS MUCH AS POSSIBLE. ENSURE ALL JUNCTION BOXES ARE SIZED PER CODE AND CONDUIT FILL RATE IS NOT TO EXCEED 40 PERCENT.

24. CONTRACTOR TO PROVIDE TEMPORARY TELEPHONE SERVICE TO EXISTING TELEPHONE CABINET LOCATED IN PLATFORM PRIOR TO BRIDGE DEMOLITION WORK.

16. ALL EXISTING PAINTED SURFACES DAMAGED OR PATCHED UNDER THIS PROJECT ARE TO BE PAINTED TO MATCH EXISTING ADJACENT COLOR, TEXTURE AND FINISH. EXISTING PAINT, COLOR, TEXTURE AND FINISH IS TO BE VERIFIED BY CONTRACTOR IN FIELD AND APPROVED BY THE AUTHORITY AFTER CONSTRUCTION IS COMPLETED.
17. DURING THE COURSE OF THE CONTRACT WORK, THE CONTRACTOR IS TO ADOPT ALL MEASURES TO PROTECT EXISTING FACILITY, ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL IN AND AROUND THE AREA OF WORK. IF DUE TO NEGLIGENCE ANY OF THE ABOVE FEATURES ARE DAMAGED, THE CONTRACTOR IS TO REPLACE IN KIND AT NO ADDITIONAL COST TO AUTHORITY.
18. THE CONTRACTOR IS TO BE RESPONSIBLE FOR INSPECTING ALL EQUIPMENT WHEN IT ARRIVES ON SITE. ANY DAMAGED EQUIPMENT IS TO BE REJECTED AND THE CONTRACTOR IS TO RETURN DAMAGED EQUIPMENT TO CTA AND ARRANGE REPLACEMENT OF SAME WITH NEW EQUIPMENT TO BE DELIVERED TO SITE FOR INSTALLATION BY THE CONTRACTOR WITHIN PROJECT TIME SCHEDULE.

19. AT THE COMPLETION OF THE CONTRACT, THE CONTRACTOR IS TO PERFORM A SITE INSPECTION TO VERIFY THAT ALL EQUIPMENT SUPPLIED IS IN OPERABLE CONDITION AND NO PHYSICAL DAMAGES ARE OBSERVED. ANY PIECE OF EQUIPMENT DEEMED INOPERABLE IS TO BE MADE OPERABLE BY THE CONTRACTOR AND VERIFIED BY CTA REPRESENTATIVE PRIOR TO RELEASE OF RETENTION FUNDS.
20. THE CONTRACTOR IS TO PERFORM ALL WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF CHICAGO ELECTRICAL CODE AND NEC.
21. ALL CONDUITS THAT PENETRATE WALL OR ROOF SLABS ARE TO BE INSTALLED IN A MANNER THAT IS TO PRESERVE FIRE RESISTIVE STRUCTURE INTEGRITY AND WATER TIGHT FEATURE OF ROOF/SLAB WALL. FIRESTOP ALL WALL/ROOF SLAB PENETRATIONS TO MATCH ORIGINAL HOURLY RATING OF WALL/ROOF SLAB WHERE SUCH PENETRATIONS OCCUR.
22. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR QUALITY CONTROL, INCLUDING CONSTRUCTION MEANS, METHODS, TECHNIQUES AND SEQUENCE PHASING, PROCEDURES AND SAFETY PRECAUTIONS FOR WORKERS AND PUBLIC DURING COURSE OF HIS PROJECT RELATED WORK ACTIVITIES.

23. ALL CAT6 CABLES ARE TO BE TESTED TO TIA/568 B.2 OR LATEST STANDARDS. CABLES ARE TO BE TESTED FOR INSERTION LOSS, NEAR END CROSS TALK, POWER SUM NEAR END CROSS TALK, POWER SUM ATTENUATION TO CROSS TALK RATIO-NEAR END, FAR END CROSS TALK, ATTENUATION TO CROSS TALK RATIO, RETURN LOSS, WIRE MAP, PROPAGATION DELAY, DELAY SKEW AND LENGTH. PASS/FAIL SUBMISSIONS ARE NOT TO BE ACCEPTED, ONLY THE COMPLETE TEST REPORT INDICATING ALL OF THE PARAMETERS IS TO BE ACCEPTED BY THE AUTHORITY AND CTA. CONTRACTOR IS TO SUBMIT A ELECTRONIC VERSION ON CD TO THE AUTHORITY AND CTA FOR REVIEW. ALL CABLES ARE TO PASS AND CONTRACTOR AT THEIR EXPENSE REPAIR OR REPLACE SUCH CABLE/S THAT FAIL.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PEORIA STREET STATION
COMMUNICATION GENERAL NOTES**

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2090	2013-011R	COOK	356	293
CONTRACT NO.			60W29	

SHEET NO.T-002 OF 117 SHEETS

ILLINOIS FED. AID PROJECT

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