



MATCHLINE STA. 111+50

LEGEND

- EXISTING PAVEMENT
- EXISTING DRAINAGE DITCH
- EXISTING WATER
- EXISTING TELEPHONE
- EXISTING FIBER OPTIC
- EXISTING COMMUNICATION CABLE
- EXISTING STORM SEWER
- EXISTING ELECTRIC
- EXISTING ELECTRICAL DUCT
- PROPOSED DUCT
- PROPOSED 1/C #8 AWG, FAA L-824, 5000 VOLT TYPE C UNDERGROUND CABLE UNIT DUCT
- PROPOSED 2-1/C #8 AWG, FAA L-824, 5000V TYPE C UNDERGROUND CABLE IN UNIT DUCT
- PROPOSED CONCRETE PAVED DITCH
- PROPOSED GRADING LIMITS
- EXISTING TAXI GUIDANCE SIGN
- EXISTING BASE MOUNTED TAXIWAY LIGHT
- EXISTING BASE MOUNTED RUNWAY LIGHT
- EXISTING BASE MOUNTED THRESHOLD LIGHT
- EXISTING SPLICE CAN
- EXISTING HANDHOLE
- EXISTING MANHOLE
- PROPOSED HANDHOLE
- PROPOSED MANHOLE

AIRFIELD CABLE AND UTILITY LINE RELOCATION NOTES

1. ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT DIRECTOR AND THE RESPECTIVE FAA ATCT PERSONNEL. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT).
2. CONTRACTOR SHALL EXAMINE THE SITE TO DETERMINE THE EXTENT OF THE WORK. CONTRACTOR SHALL FIELD VERIFY EXISTING SITE CONDITIONS. CONTRACTOR SHALL FIELD VERIFY RESPECTIVE CIRCUITS AND POWER SOURCES PRIOR TO REMOVING OR DISCONNECTING THE RESPECTIVE AIRFIELD LIGHTING, NAVAIDS, OR OTHER DEVICE.
3. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF FAA AC NO. 150/5370-2F (OR MOST CURRENT ISSUE) "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION".
4. CONTRACTOR SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF NFPA 70E - STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE.
5. WORK TO THE RUNWAY 12L REIL SYSTEM SHALL BE COORDINATED WITH THE AIRPORT DIRECTOR AND THE RESPECTIVE FAA MAINTENANCE PERSONNEL. CONTACT MARK THIEN, FAA MAINTENANCE, AIR TRAFFIC CONTROL TOWER, ST. LOUIS DOWNTOWN AIRPORT, PHONE: 618-337-6727 REGARDING WORK TO THE FAA REILS.
6. WORK AFFECTING THE TELEPHONE LINES SHALL BE COORDINATED WITH THE RESPECTIVE TELEPHONE UTILITY COMPANY.
7. THE EXISTING DUCTS AND CABLES ASSOCIATED WITH AIRFIELD LIGHTING REMOVALS, RELOCATIONS, AND/OR CABLE OR DUCT REPLACEMENTS SHALL BE ABANDONED IN PLACE UNLESS IT CONFLICTS WITH THE INSTALLATION OF THE AIRFIELD LIGHT, SIGN, DUCT, CABLE, HANDHOLE, MANHOLE, SITE WORK, PAVEMENT OR OTHER WORK, THEN IT SHALL BE DISCONNECTED, REMOVED AND DISPOSED OF OFF SITE AT NO ADDITIONAL COST TO THE CONTRACT. CONTRACTOR MAY REMOVE ABANDONED CABLES AT NO ADDITIONAL COST TO THE CONTRACT AND SHALL HAVE THE SALVAGE RIGHTS TO ABANDONED CABLES
8. THE CONTRACTOR IS REQUIRED TO FILL IN ALL HOLES AND DEPRESSIONS RESULTING FROM THE DUCT REMOVAL, CABLE REMOVAL, OR OTHER REMOVAL WITH EARTH FROM WITHIN THE CONSTRUCTION LIMITS. THE AREAS SHALL BE COMPACTED TO PREVENT FUTURE SETTLEMENT AND FERTILIZED, SEEDDED, AND MULCHED IN ACCORDANCE WITH ITEMS 901 AND 908 RESPECTIVELY.
9. WHEN A RUNWAY IS CLOSED, THE RESPECTIVE RUNWAY LIGHTING AND NAVAIDS FOR THAT RUNWAY SHALL BE SHUT OFF.
10. RUNWAY LIGHTING CIRCUITS SHALL BE ACTIVE AT THE END OF EACH CONSTRUCTION DAY FOR AN OPEN RUNWAY. THE CONTRACTOR SHALL PROVIDE TEMPORARY CABLE & CONNECTIONS WHERE NECESSARY TO MAINTAIN A RUNWAY OR TAXIWAY LIGHTING SYSTEM. TEMPORARY CABLE SHALL BE 1/C #8 FAA L-824 5KV UG CABLE IN DUCT OR UNIT DUCT.
11. ALL ABOVE GROUND JUMPERS SHALL BE IN A DUCT WITH ALL CONNECTIONS SEALED. THE CONTRACTOR SHALL SECURE, IDENTIFY AND PLACE ALL TEMPORARY EXPOSED WIRING IN CONDUIT, DUCT OR UNIT DUCT TO PREVENT ELECTROCUTION AND FIRE IGNITION SOURCES AS PER THE REQUIREMENTS OF FAA 150/5370-2F, - OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION, PART 218, PARAGRAPH c.
12. PROPOSED/REPLACEMENT CABLE FOR AIRFIELD LIGHTING SERIES CIRCUITS SHALL BE 1/C #8 AWG, FAA L-824, 5000 VOLT, TYPE C CABLE INSTALLED IN DUCT OR UNIT DUCT. CABLES IN UNIT DUCT SHALL BE INSTALLED A MINIMUM OF 18" BELOW FINISHED GRADE.
13. IN AREAS WHERE THERE IS A CONGESTION OF CABLES OR WHERE THE PROPOSED CABLE/DUCT CROSSES AN EXISTING CABLE, THE PROPOSED DUCT/CABLE SHALL BE TRENCHED INTO PLACE. IN ALL OTHER LOCATIONS, THE PROPOSED CABLE/DUCT MAY BE EITHER TRENCHED OR PLOWED INTO PLACE. TRENCHING AND/OR PLOWING WILL BE CONSIDERED INCIDENTAL TO THE PROPOSED CABLES AND/OR DUCT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
14. HOMERUN CABLES FOR A RESPECTIVE CIRCUIT THAT ARE INSTALLED IN RACEWAY, CONDUIT OR DUCT SHALL BE RUN TOGETHER IN THE SAME RACEWAY, CONDUIT, OR DUCT.
15. HIGH VOLTAGE AND LOW VOLTAGE CIRCUITS SHALL NOT BE INSTALLED IN THE SAME WIREWAY, CONDUIT, DUCT, RACEWAY, JUNCTION BOX, HANDHOLE, OR MANHOLE.
16. IN THE EVENT THAT OTHER CONSTRUCTION PROJECTS ARE IN PROGRESS AT THE AIRPORT AT THE SAME TIME AS THIS PROJECT, THE CONTRACTOR WILL BE REQUIRED TO COOPERATE WITH ALL OTHER CONTRACTORS AND THE AIRPORT DIRECTOR IN COORDINATION OF THE WORK.
17. FURNISH AND INSTALL A #6 AWG (MIN.) BARE SOLID COPPER COUNTERPOISE CONDUCTOR APPROXIMATELY 10" ABOVE THE DUCT BANK FOR THE FAA REILS CIRCUIT. COUNTERPOISE SHALL BE BONDED TO GROUND RODS AT APPROXIMATELY 90-FOOT INTERVALS AND AT THE DUCT BANK TERMINATIONS JUST OUTSIDE OF THE MANHOLES. GROUND RODS SHALL BE 3/4" DIA. X 10' LONG UL LISTED COPPERCLAD. THE SPACING OF GROUND RODS SHALL VARY BY 10% TO 20% TO PREVENT RESONANCE. INSTALL GROUND RODS 6 FEET ON EITHER SIDE OF THE TRENCH. ALL BELOW GRADE CONNECTIONS TO GROUND RODS AND COUNTERPOISE SHALL BE EXOTHERMIC WELD.
18. THE EXISTING RUNWAY 12L REILS ARE OWNED AND MAINTAINED BY THE FAA. THE EXISTING RWY 12L REIL POWER AND CONTROL ASSEMBLY CABINET IS UNDERSTOOD TO BE LOCATED BETWEEN THE OLD ATCT AND THE VAULT. CONTRACTOR SHALL CONFIRM POWER SOURCE PRIOR TO WORKING ON THE REIL CABLES.
19. NO CONNECTION TO AN ACTIVE LIGHTING CIRCUIT WILL BE BROKEN UNTIL THE CIRCUIT HAS BEEN TURNED OFF IN ACCORDANCE WITH NOTE 1.

REVISION	DATE

SAINT LOUIS DOWNTOWN AIRPORT
A Division of Bi-State Development Agency
BLOCK GRANT PROJ.: 3-17-0039-B29
IL PROJ.: CPS-4210

Hanson Project No. 11A0190	DWG 01/28/13	LAYOUT
File Name C-121-CON.dwg	Scale 1"=50'H, 1"=5'V	DRAWN MLH
Date 03/08/13		REVIEWED BSS

HANSON
Professional Services Inc. 2013
1525 W. Main Street
Springfield, Illinois 62703-2886

GRADE DITCH PARALLEL TO MAIN RUNWAY
CONSTRUCTION PLAN - STA. 100+00 TO STA. 111+50

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