


GENERAL ELECTRICAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (REFERRED TO AS THE STANDARD SPECIFICATIONS), THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, AND THE MANUAL OF TEST PROCEDURES FOR MATERIALS AND STREET LIGHTING IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH AMERICAN NATIONAL STANDARD PRACTICE FOR ROADWAY LIGHTING (ANSI/IES RP8 LATEST EDITION) AND THE NATIONAL ELECTRICAL CODE (NEC, NFPA, 70, LATEST EDITION).
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER OR CITY.
3. THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING ANY WORK TO OBTAIN APPROVAL.
4. THE CONTRACTOR SHALL PROVIDE WARRANTIES OR GUARANTEES PROVIDING FOR SATISFACTORY IN-SERVICE OPERATION OF THE ELECTRICAL EQUIPMENT AND RELATED COMPONENTS OPERATION OF THE ELECTRICAL EQUIPMENT FOR A PERIOD OF ONE YEAR.
5. ALL CONDUITS LENGTHS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE ACTUAL DISTANCE REQUIREMENTS IN THE FIELD.
6. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE MARKERS AND SHALL TAG ALL WIRING ACCORDINGLY.
7. THE CITY AND ENGINEER SHALL BE NOTIFIED 48 HOURS PRIOR TO COMMENCING EACH CONSTRUCTION PHASE.
8. ALL ELECTRICAL DEVICES AND MATERIALS SHALL BE U/L LISTED WHERE APPLICABLE.
9. CONTACT JULIE AT 1-800-892-0123 FOR UTILITY LOCATES PRIOR TO BEGINNING AND EXCAVATION WORK. WORK PROACTIVELY WITH UTILITY COMPANIES FOR THE PURPOSE OF DAMAGE PREVENTION.
10. THE POLES, MAST ARMS AND LUMINAIRES SHOWN ON THE PLANS SHALL BE REMOVED BY THE CONTRACTOR. CONTRACTOR SHALL REMOVE, CLEAN, AND STORE POLES AND MAST ARMS UNTIL READY TO RE-INSTALL AFTER EACH STAGE OF BRIDGE CONSTRUCTION IS COMPLETE. CONTRACTOR SHALL RETURN LUMINAIRES TO IDOT. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "LIGHT POLE REMOVE AND RE-ERECT."
11. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING AT I-74 ROADWAY. THE LIGHTING OFF OF THE I-74 BRIDGES OVER 19TH STREET AFFECTED BY CIRCUITS SHALL REMAIN OPERATIONAL. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "MAINTENANCE OF EXISTING LIGHTING SYSTEM."
12. ALL EXISTING AREAS THAT ARE DAMAGED BY THIS WORK; INCLUDING BUT NOT LIMITED TO FENCING, CURB AND GUTTER, SIDEWALKS, AND WHERE RESTORATION IS NOT COVERED BY THE APPLICABLE SECTION OF THE SPECIFICATION, MUST BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE INCLUDED IN THE COST OF THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
13. NOTIFY THE UTILITY COMPANIES (SUCH AS COMED, CABLE TV, AT&T, etc.) TO RELOCATE THEIR EXISTING CABLE AND EQUIPMENT LOCATED ON BRIDGE WHICH WILL INTERFERE WITH THE PROPOSED CONSTRUCTION OF THE BRIDGES.
14. ALL CABLES ROUTED INTO BRIDGE MOUNTED LIGHT POLES MUST HAVE SUFFICIENT SLACK TO ALLOW FOR EXPANSION AND CONTRACTION OF EXPANSION FITTINGS.
15. PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM, TEST THE ENTIRE INSTALLATION FOR GROUNDS, SHORTS, IMPROPER INSULATION RESISTANCE OR IMPROPER CONNECTION. APPLY DC VOLTAGE OF 1000 VOLTS FOR MEASUREMENT OF INSULATION RESISTANCE. (USE MOTOR DRIVEN MEGGER INSTRUMENT.
16. THE CONTRACTOR MUST SCHEDULE A FINAL ACCEPTANCE INSPECTION WITH THE ENGINEER AND THE IDOT UPON COMPLETION OF ALL PROPOSED LIGHTING WORK. UPON FINAL ACCEPTANCE, THE CONTRACTOR MUST TRANSFER ALL LIGHTING INSTALLATIONS TO THE IDOT FOR MAINTENANCE PURPOSES.

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