

GENERAL ELECTRICAL NOTES

- THE CITY LIGHT POLES, MAST ARMS AND LUMINAIRES SHALL BE REMOVED BY THE CONTRACTOR. CONTRACTOR SHALL REMOVE, CLEAN, AND STORE POLES, MAST ARMS AND LUMINAIRES UNTIL RE-INSTALLING AFTER EACH STAGE OF BRIDGE CONSTRUCTION IS COMPLETE.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY CITY STANDARD DRAWINGS FROM THE CITY OF CHICAGO, DEPARTMENT OF STREETS AND SANITATION, BUREAU OF ELECTRICITY. THE COST OF OBTAINING THE STANDARD DETAILS FROM BUREAU OF ELECTRICITY IS INCLUDED IN THIS CONTRACT.
- THE CONTRACTOR SHALL NOTE THAT THERE MAY BE EXISTING FIRE ALARM / POLICE CABLES CONCEALED IN THE SIDEWALK THAT MUST REMAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION USING AERIAL CABLE. THIS WORK SHALL BE PERFORMED BY THE CITY. THE CONTRACTOR SHALL BE RESPONSIBLE COORDINATION OF THIS WORK WITH THE CITY OF CHICAGO OEMC.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING AT 26TH STREET, FRONTAGE ROAD B, AND WENTHWORTH AVENUE. THE LIGHTING OFF OF THE BRIDGE AFFECTED BY CIRCUITS SHALL REMAIN OPERATIONAL UNTIL THE PROPOSED LIGHTING IS INSTALLED AND ENERGIZED. ALL MATERIALS AND LABOR NECESSARY TO KEEP THE EXISTING LIGHTING OPERATIONAL THROUGHOUT THE PROJECT SHALL BE INCLUDED IN THE LUMP SUM PAY ITEM "MAINTAIN EXISTING LIGHTING SYSTEM."
- 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.
- 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.
- ALL CABLES ROUTED INTO BRIDGE MOUNTED LIGHT POLES MUST HAVE SUFFICIENT SLACK TO ALLOW FOR EXPANSION AND CONTRACTION OF EXPANSION FITTINGS.
- FURNISH, INSTALL, AND MAINTAIN ADEQUATE TEMPORARY POWER AND LIGHTING REQUIRED FOR ROADWAY LIGHTING. THE CONTRACTOR MUST PAY ALL ENERGY COSTS AND ALL POWER COMPANY COSTS.
- 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.)
- THE CONTRACTOR MUST SCHEDULE A FINAL ACCEPTANCE INSPECTION WITH THE ENGINEER AND THE BOE UPON COMPLETION OF ALL PROPOSED LIGHTING WORK. UPON FINAL ACCEPTANCE, THE CONTRACTOR MUST TRANSFER ALL LIGHTING INSTALLATIONS TO THE BOE FOR MAINTENANCE PURPOSES.

LEGEND

EXISTING	PROPOSED	
		LUMINAIRE H.P.S.V. AND LAMP, 310W, 240V, WITH INTEGRAL BALLAST.
		LUMINAIRE H.P.S.V. AND LAMP, 400W, 240V, WITH INTEGRAL BALLAST.
		POLE, CITY STEEL, ANCHOR BASE.
		HANDHOLE, CIRCULAR WITH 24" FRAME & COVER. 30" I.D.
		CITY HANDHOLE. 3' x 4' x 4', OR 4' x 6' x 6'.
		WIRE, STREET LIGHT, 2-1/C #6, HDNS. AERIAL.
		CABLE, STREET LIGHT, 2-1/C #6, EPRN 600V & 1-1/C #8 GREEN. TRIPLEXED IN CONDUIT.
		CONDUIT ATTACHED TO STRUCTURE. A: 2#10 & 1#10 GROUND IN 1" PVC COATED CONDUIT. B: 3#10 & 1#10 GROUND IN 1" PVC COATED CONDUIT.
		LIGHTING CONTROLLER.
		UNDERPASS LUMINAIRE, 100W HPS.
		JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE. SIZE AS INDICATED BELOW. JBA: 12" x 10" x 6" JBB: 4" x 4" x 3"
		HANDHOLE.
		HEAVY DUTY HANDHOLE.
		LIGHT POLE FOUNDATION.
		MANHOLE.
		ROADWAY TRAFFIC SIGN.
		WIRING DIAGRAM.

