

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	907	389
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(1516.1, 1717 & 1818) R-9		62695		

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES, EQUIPMENT AND CENTERLINE OF ANY TRENCHES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRE-CONSTRUCTION INSPECTION. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED, WITH THE ENGINEER PRIOR TO STARTING WORK.
- MATERIAL QUANTITIES ARE APPROXIMATIONS ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL QUANTITIES PRIOR TO ORDERING MATERIALS.
- A STAGING SCHEDULE FOR MATERIAL INSTALLATION, REMOVAL AND APPROXIMATE DATE OF PROPOSED ENERGIZING OF PERMANENT LIGHTING SHALL BE SUBMITTED PRIOR TO COMMENCEMENT OF WORK TO ASSURE COORDINATION WITH THE EXPEDITED WORK SCHEDULE.
- THE CONTRACTOR SHALL MAKE ALL SPLICES IN JUNCTION BOXES PER N.E.C. AND IDOT REQUIREMENTS. THE COST OF SPLICING SHALL BE INCIDENTAL TO THE ELECTRIC CABLE PAY ITEM.
- THE CONTRACTOR SHALL VERIFY THAT THE CORRECT BOLT CIRCLE SIZES ARE USED FOR THE PROPOSED LIGHT POLE FOUNDATIONS ON THE BRIDGE PARAPETS.
- THE CONTRACTOR SHALL INSTALL ALL CONDUIT SUSPENDED FROM THE NEW BRIDGE DECK IN CONFORMANCE WITH ALL GOVERNING LAWS, NEC CODES, ORDINANCES OR OTHER REGULATIONS. PROVIDE EXPANSION FITTINGS AT EACH ABUTMENT OR EXPANSION JOINT AS REQUIRED. EXPANSION FITTINGS SHALL BE MANUFACTURED BY APPLETON CAT. NO. XJ350 OR O.Z. GEDNEY, CAT. NO. AX-400 OR APPROVED EQUAL.
- THE CITY LIGHT POLES, MAST ARMS AND LUMINAIRES SHALL BE REMOVED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE THE DELIVERY OF THE POLES WITH THE CITY OF CHICAGO BUREAU OF ELECTRICITY. THE COST OF DELIVERING THE LIGHT POLES AND LUMINAIRES IS INCLUDED IN THIS CONTRACT AND SHALL BE REFLECTED IN THE CONTRACTOR'S BID. NO ADDITIONAL COMPENSATIONS WILL BE ALLOWED.
- THE CITY OF CHICAGO WILL FURNISH NEW LIGHT POLES, MAST ARMS AND LUMINAIRES. THE CONTRACTOR SHALL GIVE THE CITY OF CHICAGO BUREAU OF ELECTRICITY A 72 HOUR ADVANCE NOTICE PRIOR TO PICKING UP THE STREET LIGHTING EQUIPMENT.
- 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 THE BUREAU OF ELECTRICITY IS INCLUDED IN THIS CONTRACT.
- THE CONTRACTOR INSTALLING CONDUITS EMBEDDED IN CONCRETE WILL PROVIDE PULL WIRES FOR USE BY THE ELECTRICIAN.
- THE EXISTING ROADWAY LIGHTING ON 76TH STREET IS OWNED BY THE CITY OF CHICAGO. THE CONTRACTOR SHOULD NOTE THAT THERE MAY BE ADDITIONAL CIRCUITS CROSSING AT THE 76TH STREET BRIDGE THAT MUST REMAIN OPERATIONAL DURING CONSTRUCTION USING AERIAL CABLE.

TRAFFIC SIGNAL BILL OF MATERIALS			
DESCRIPTION	UNIT	QTY.	
LIGHTING FOUNDATION REMOVAL	EACH	9	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 7C	FOOT	662	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 19C	FOOT	792	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	426	
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2	
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1466	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2	
ELECTRICAL MANHOLE REMOVAL	EACH	4	
ROD AND CLEAN DUCT IN EXISTING CONDUIT SYSTEM	FOOT	610	
CONDUIT SUPPORT SYSTEM	L SUM	1	
CIRCUIT BREAKER, 1-POLE, 70 AMPERE, 480 VOLT IN EXISTING STREET LIGHT CONTROLLER	EACH	2	
CONCRETE FOUNDATION FOR TYPE "P" BASE MOUNTED TRAFFIC SIGNAL CONTROLLER	EACH	2	
ELECTRIC CABLE IN CONDUIT NO. 12 10/C	FOOT	512	
LIGHT POLE, STEEL, 34.5 FT. M.H., 12 FT. MAST ARM, 7 GAUGE 10" DIA., 15" BOLT CIRCLE, 1 1/4" ANCHOR RODS	EACH	3	
LIGHT POLE, STEEL, 34.5 FT. M.H., 12 FT. MAST ARM, 3 GAUGE 12 1/2" DIA., 16.5" BOLT CIRCLE, 1 1/2" ANCHOR RODS	EACH	1	
CONTROLLER, TRAFFIC, 16 LOAD BAY, P CABINET	EACH	2	
PVC CONDUIT IN TRENCH 4" (SCHEDULE #40)	FOOT	68	
PVC CONDUIT IN TRENCH 3" (SCHEDULE #40)	FOOT	150	
CONCRETE FOUNDATION, 24" DIAMETER, 1.25" ANCHOR RODS, 15" BOLT CIRCLE, 9' DEEP	FOOT	54	
CONCRETE FOUNDATION, 30" DIAMETER, 1.50" ANCHOR RODS, 16.5 BOLT CIRCLE	FOOT	11	
ELECTRICAL MANHOLES 3' x 4' x 4' WITH 24" FRAME AND LID	EACH	6	
CONCRETE FOUNDATION, 30" DIAMETER, 1.25" ANCHOR RODS, 17.25" BOLT CIRCLE, 9' DEEP	FOOT	18	
REMOVE EXISTING STREET LIGHTING EQUIPMENT	L SUM	1	
MAST ARM, STEEL, MONOTUBE 20 FT.	EACH	1	
MAST ARM, STEEL, MONOTUBE 26 FT.	EACH	2	
MAST ARM, STEEL, MONOTUBE 30 FT.	EACH	2	
MAST ARM, STEEL, MONOTUBE 35 FT.	EACH	1	
SIGN, MESSAGE, ELECTRICALLY ILLUMINATED, MAST ARM MOUNTED	EACH	3	
SIGN, MESSAGE, ELECTRICALLY ILLUMINATED, BRACKET MOUNTED	EACH	5	
JUNCTION BOX, POLE OR POST MOUNTED	EACH	9	
TRENCH AND BACKFILL WITH SCREENINGS	FOOT	110	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	11	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	6	
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	3	
DRILL EXISTING MANHOLE OR HANDHOLE	EACH	9	
ADJUST FRAME AND LID	EACH	6	
CLEAN EXISTING MANHOLE OR HANDHOLE	EACH	4	
CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL, PVC COATED	FOOT	1100	
CONDUIT IN TRENCH, 3" DIA., PVC, ENCASED IN CONCRETE	FOOT	1016	
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL, PVC COATED	FOOT	48	
INTERCONNECT, 7 WIRE LOCAL	EACH	1	
INTERCONNECT, 7 WIRE MASTER	EACH	1	
LIGHT POLE, STEEL, 34.5 FT. M.H., 12 FT. MAST ARM, 3 GAUGE 10" DIA., 15" BOLT CIRCLE, 1 1/4" ANCHOR RODS	EACH	3	
LIGHT POLE, STEEL, 34.5 FT. M.H., 12 FT. MAST ARM, 3 GAUGE 11" DIA., 17 1/4" BOLT CIRCLE, 1 1/4" ANCHOR RODS	EACH	2	
PVC CONDUIT IN DUCT, 2 - 3 INCH	FOOT	194	
TRENCH AND BACKFILL FOR 2 TO 4 DUCTS	FOOT	448	

76TH STREET LIGHTING INSTALLATION (OVERPASS) BILL OF MATERIALS

DESCRIPTION	UNIT	QTY.
PVC CONDUIT IN TRENCH, 2" (SCHEDULE 40)	FOOT	205
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC	FOOT	525
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	795
ELECTRICAL MANHOLE REMOVAL	EACH	4
DRILL EXISTING MANHOLE OR HANDHOLE	EACH	4
PVC CONDUIT IN TRENCH 3" (SCHEDULE #80)	FOOT	295
PVC CONDUIT IN TRENCH 4" (SCHEDULE #80)	FOOT	405
LUMINAIRE, STREET LIGHTING, HIGH PRESSURE SODIUM VAPOR, 400 WATT, 240 VOLT.	EACH	9
LUMINAIRE, STREET LIGHTING, HIGH PRESSURE SODIUM VAPOR, 400 WATT, 240 VOLT, INSTALL ONLY	EACH	6
REMOVE EXISTING STREET LIGHTING EQUIPMENT	L SUM	1
TRENCH AND BACKFILL WITH SCREENINGS	FOOT	735
ELECTRICAL MANHOLE 3' x 4' x 4' WITH 24" FRAME AND LID	EACH	2
LIGHT POLE, STEEL, 32.5 FT. M.H., 12' M.A., 7 GA., 8 1/2" DIA., 1 1/2" BOLT CIRCLE, 1" ANCHOR RODS, INSTALL ONLY	EACH	6
REMOVAL OF ASBESTOS CEMENT CONDUIT	FOOT	795
ELECTRIC CABLE IN CONDUIT, 600V, (EPR/HYP), 1/C NO. 6	FOOT	2240
ELECTRIC CABLE IN CONDUIT, 600V, (EPR/HYP), 1/C NO. 8	FOOT	1120
MAINTENANCE OF STREET LIGHTING SYSTEM (CITY OF CHICAGO)	L.S.	1
REMOVE CONDUIT ATTACHED TO STRUCTURE	EACH	4

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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94 (DAN RYAN EXPRESSWAY) 76TH STREET TRAFFIC SIGNAL AND LIGHTING GENERAL NOTES AND BILL OF MATERIALS
NAME	DATE	
		SCALE: NONE DRAWN BY: BSB DATE: MARCH 25, 2005 CHECKED BY: WHI
REVISED	05/06/05	SCALE: NONE DRAWN BY: BSB DATE: MARCH 25, 2005 CHECKED BY: WHI
REVISED	04/15/05	