







**ROADWAY LIGHTING
BILL OF MATERIALS**

NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND NATIONAL ELECTRIC SAFETY CODE. WORK PERFORMED ON FOSTER AVE SHALL FOLLOW CHICAGO ELECTRIC CODE STANDARDS. WORK UNDER THE BRIDGE SHALL COMPLY WITH IDOT DISTRICT ONE STANDARDS.
- COORDINATE THE INSTALLATION OF STREET LIGHTING WITH THE CONSTRUCTION STAGING.
- EXISTING MANHOLES AND HANDHOLES TO BE REUSED FOR THE NEW ROADWAY LIGHTING MAY CONTAIN TRAFFIC SIGNAL CONTROL WIRES, PARK DISTRICT ELECTRIC DISTRIBUTION LINE AND OTHER UTILITIES. ANY DAMAGE TO THESE UTILITY LINES SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- FOR SIZE AND NUMBER OF CONDUCTORS IN CONDUIT, REFER TO SHEETS E-02 AND E-03.
- THE CITY OF CHICAGO BUREAU OF ELECTRICITY WILL PROVIDE ALL PERMANENT LIGHT POLES, DAVIT ARMS AND LUMINAIRES FOR FOSTER AVE. CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLATION ONLY OF THESE ITEMS. FOR DETAILS REGARDING THESE POLES AND LUMINAIRES, REFER TO ELECTRICAL PLANS AND SPECIFICATIONS.
- CONNECT ALL CITY OF CHICAGO LUMINAIRES TO 240V CIRCUITS.
- COORDINATE THE INSTALLATION OF STREET LIGHTING AND UNDERGROUND WORK WITH THE OTHER TRADES.
- THE QUANTITIES FOR ELECTRIC CABLE AND CONDUITS ARE APPROXIMATIONS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACTUAL QUANTITIES REQUIRED FOR THIS PROJECT.
- ALL EXISTING ELECTRICAL POLES AND ARMS THAT ARE TO BE REMOVED FROM FOSTER AVE. SHALL BE DELIVERED TO THE BUREAU OF ELECTRICITY, 4101 S. CICERO IN CHICAGO, IL. ALL EXISTING ELECTRICAL FIXTURES THAT ARE TO BE REMOVED FROM FOSTER AVE. SHALL BE DELIVERED TO THE BUREAU OF ELECTRICITY AT THEIR ASHLAND AVENUE YARD IN CHICAGO, IL. ELECTRICAL EQUIPMENT BELOW THE FOSTER AVE. BRIDGE (UNDERPASS AND SIGN EQUIPMENT) IS PROPERTY OF THE STATE AND SHALL BE RETURNED TO THE STATE STOCK; CALL NEIL THAKKAR AT (847) 221-3078 TO MAKE ARRANGEMENTS. ALL EXISTING CABLE WILL BECOME THE PROPERTY OF THE CONTRACTOR.
- ALL TEMPORARY LIGHTING CIRCUITRY SHALL BE DEACTIVATED PRIOR TO ACTIVATION OF PERMANENT LIGHTING EQUIPMENT. ANY DAMAGES INCURRED BY FAILING TO DO SO WILL BE REPLACED IN KIND AT CONTRACTOR'S EXPENSE.
- ALL WORK ASSOCIATED WITH DISCONNECTING THE REVLAC SIGN (CM13) SHALL BE DONE BY AN ASMC CONTRACTOR. WORK WILL NEED TO BE COORDINATED. ONCE THE REVLAC SIGN HAS BEEN DISCONNECTED, LOWERING OF THE JUNCTION BOXES AND CONDUIT MAY BEGIN.
- PROVIDE (4) 4" EXPANSION FITTINGS, AS OUTLINED IN IDOT'S STANDARD SPECIFICATIONS, ARTICLE 811.3. FITTINGS ARE CONSIDERED INCIDENTAL TO THE COST OF CONDUIT; NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ITEM DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
CONDUIT IN TRENCH, 2" DIA., PVC SCHEDULE 40	FOOT	170
CONDUIT IN TRENCH, 2" DIA., PVC SCHEDULE 80	FOOT	345
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	500
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"x6"x4"	EACH	6
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x10"x6"	EACH	2
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16"x14"x6"	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	630
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO.10	FOOT	2000
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 8	FOOT	1475
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 2-1/C NO. 6	FOOT	2950
AERIAL CABLE, 2-1/C NO. 6, ALUMINUM, WITH MESSENGER WIRE	FOOT	525
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT (INSTALL ONLY)	EACH	11
UNDERPASS LUMINAIRE, 70W, HIGH PRESSURE SODIUM, STAINLESS STEEL HOUSING	EACH	8
LIGHT POLE FOUNDATION, 24" DIAMETER	EACH	5
DRILL EXISTING MANHOLE OR HANDHOLE	EACH	8
CONDUIT ATTACHED TO STRUCTURE, 4" DIA., RIGID GALVANIZED STEEL, PVC COATED	FOOT	965
LIGHT POLE, ALUMINUM, ARTERIAL, DAVIT, 15" BOLT CIRCLE (INSTALL ONLY)	EACH	5
MAST ARM, ALUMINUM, ARTERIAL, DAVIT, 8' (INSTALL ONLY)	EACH	5
FLOURESCENT LUMINAIRE FOR SIGN LIGHTING	EACH	13
ELECTRIC CONNECTION TO SIGN STRUCTURE	EACH	2
TEMPORARY LIGHTING CONTROLLER	EACH	1
REMOVE EXISTING LIGHTING SYSTEM	L. SUM	1
REVLAC SIGN REMOVAL	L. SUM	1
REVLAC SIGN RE-INSTALLATION	L. SUM	1
ELECTRIC UTILITY SERVICE CONNECTION	L. SUM	1
ADJUST FRAME AND LID	EACH	2

LEGEND:

-  EXISTING CITY LIGHT POLE, 27' 6", 7 GA. AND FOUNDATION WITH 310W LUMINAIRE
-  EXISTING CITY LIGHT POLE, 32' 6", 7 GA. AND FOUNDATION WITH 310W LUMINAIRE
-  PROPOSED CITY LIGHT POLE, 24' 6", ALUMINUM WITH FOUNDATION AND 400W LUMINAIRE
-  EXISTING CITY MANHOLE
-  EXISTING TRAFFIC SIGNAL POLE WITH EXISTING 310W LUMINAIRE AND MAST ARM
-  CONDUIT IN TRENCH, SIZE AS INDICATED
- 3TC CABLE, STREET LIGHT, 2 - 1/C #6, 600V & 1 - 1/C #8, IN CONDUIT
- 2W AERIAL CABLE, 2-1/C #6, ALUMINUM, WITH MESSENGER WIRE



Christopher L. Krueger
EXPIRES 11-30-2007

NO.	BY	DATE	DESCRIPTION
REVISIONS			
EJM ENGINEERING, INC. 411 South Wells Street Suite 800 Chicago, Illinois 60607			
FOSTER AVE. BRIDGE OVER I-94			
GENERAL NOTES AND QUANTITIES			
CONSULTANT		RJN GROUP, INC. 200 W. FRONT ST. WHEATON, IL 60187	
CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAWN	JAM	SHEET NO.	
CHECKED	RES	E-01	
APPROVED			
DATE	JUNE 30, 2006		
SCALE	NONE		
CONTRACT NO.		PROJECT NO. E-4-442	