







F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	1919.2B	COOK	119	50
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT #60371

LEGEND

PROPOSED EXISTING

-  UNDERPASS LIGHTING LUMINAIRE, 100W HPS, PENDANT MOUNTED, OFFSET 0.6m (2FT) FROM EDGE OF TRAVELED PAVEMENT, CIRCUIT NUMBER AS NOTED.
-  JUNCTION BOX ATTACHED TO STRUCTURE, SIZE AS NOTED.
-  CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL, PVC COATED, SIZE AS NOTED.
-  UNIT DUCT, WITH 3-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (EPR-TYPE RHW), 30 MM DIA. POLYETHYLENE
-  EXISTING LIGHTING UNIT TO REMAIN IN PLACE, CIRCUIT NUMBER AS NOTED.
-  EXISTING LIGHTED SIGN STRUCTURE-BRIDGE MOUNT TYPE.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
CONDUIT ATTACHED TO STRUCTURE, 25MM DIA. GALVANIZED STEEL, PVC COATED	METER	132
CONDUIT ATTACHED TO STRUCTURE, 65MM DIA. GALVANIZED STEEL, PVC COATED	METER	54
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 150MM X 150MM X 100MM	EACH	8
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 300MM X 250MM X 150MM	EACH	4
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 400MM X 300MM X 150MM	EACH	4
UNIT DUCT, WITH 3-1/C NO. 4 AND 1/C NO. 6 GROUND, 600V (EPR-TYPE RHW), 30MM DIA. POLYETHYLENE	METER	150
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 6	METER	56
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 10	METER	483
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 4	METER	56
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	140
ELECTRIC CONNECTION TO SIGN STRUCTURE	EACH	2
UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	8
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9

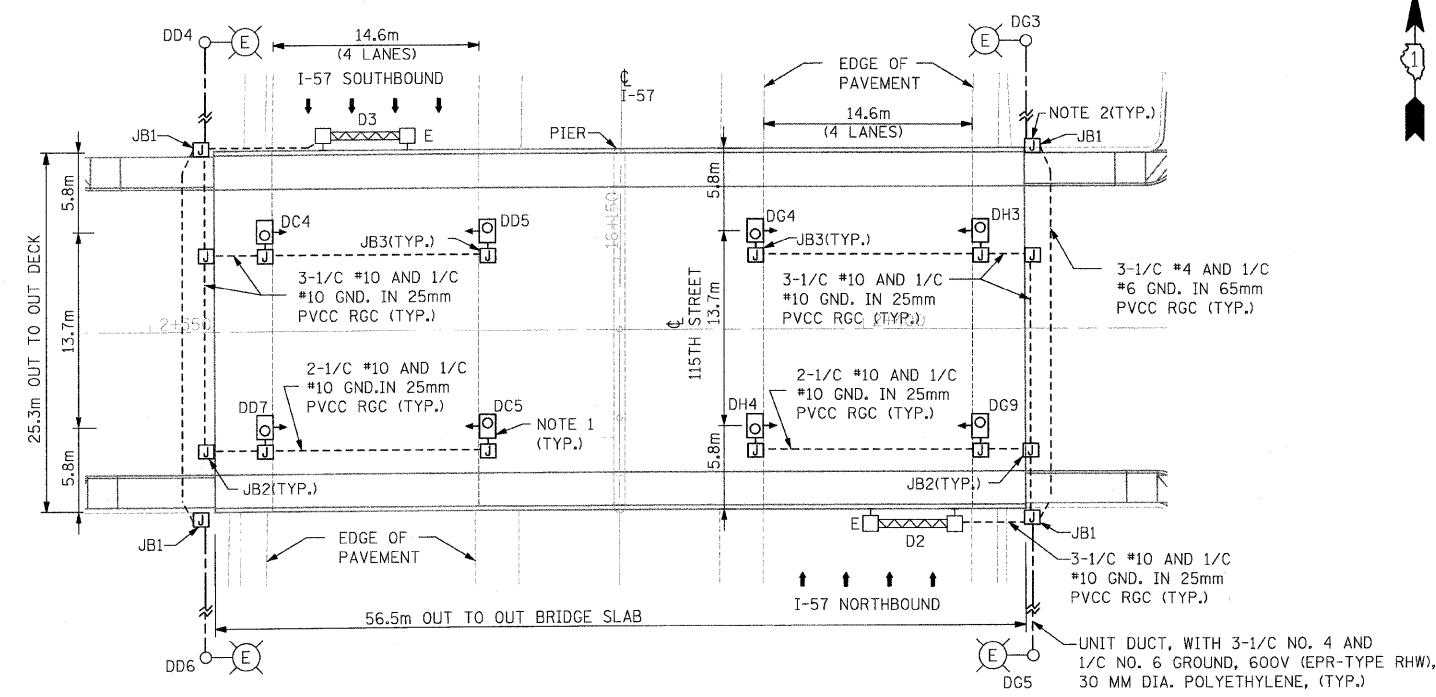
JUNCTION BOX SCHEDULE

NO.	SIZE (MM)	DESCRIPTION	QUANTITY
JB1	400MM X 300MM X 150MM	STAINLESS STEEL, ATTACHED TO STRUCTURE	4
JB2	300MM X 250MM X 150MM	STAINLESS STEEL, ATTACHED TO STRUCTURE	4
JB3	150MM X 150MM X 100MM	STAINLESS STEEL, ATTACHED TO STRUCTURE	8

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 115TH STREET OVER I-57
 PROPOSED UNDERPASS
 LIGHTING PLAN
 SCALE: 1:250
 DATE: 01-16-09
 DRAWN BY: BD
 CHECKED BY: RD



PROPOSED UNDERPASS LIGHTING PLAN

CONSTRUCTION NOTES:

- PROPOSED LUMINAIRES TO BE PENDANT MOUNTED, OFFSET 0.6m (2FT) FROM EDGE OF TRAVELED PAVEMENT. LUMINAIRES TO BE APPROXIMATELY CENTERED BETWEEN THE BEAMS.
- MOUNT JB1 1.5m ABOVE GRADE TO EXISTING ABUTMENT SIDE WALL. PROVIDE 65mm RSC RISER TO JUNCTION BOX TO ACCEPT NEW CABLE DUCT RUN FROM EXISTING LIGHT POLE TO REMAIN. SEE UNDERPASS LIGHTING DETAILS.
- CONTRACTOR SHALL MAKE ANY ADJUSTMENTS NECESSARY TO PROTECTIVE SHIELDING TO ACCOMMODATE INSTALLATION OF PROPOSED UNDERPASS LUMINAIRES. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO "UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM" PAY ITEM.

SINGH SINGH & ASSOCIATES, INC.
 CONSULTING ENGINEERS