

LIGHTING GENERAL NOTES

- ALL MATERIALS AND WORKMANSHIP REFERENCED TO IDOT SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE 2007 ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MOST RECENT VERSION OF THE SUPPLEMENTAL SPECIFICATIONS.
- HANDHOLE-CONDUIT SHALL ENTER STRAIGHT INTO HANDHOLE WITHOUT VERTICAL BENDS. PROVIDE MODELS, TYPES, CONCRETE, ACCESSORIES AND APPURTENANCES AS NECESSARY TO MEET OR EXCEED INDICATED WHEEL LOADING. PROVIDE SLACK IN WIRE WITHIN PULLBOX TO ALLOW WIRE TO BE PULLED UP TO GRADE LEVEL. SPLICES SHALL INCORPORATE INSULATED TERMINAL BLOCK, POLARIS IPLW OR EQUAL. COST FOR MATERIAL IN HANDHOLES SHALL BE INCLUDED WITH THE HANDHOLE.
- WITH THE EXCEPTION OF BRIDGE LIGHTING TO BE REMOVED, LIGHTING ON THE ROADWAY (DOWNER PLACE) AND WALKWAY ALONG RIVER SHALL REMAIN OPERATIONAL AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STREET LIGHTING NEAR THE CONSTRUCTION LIMITS AND PROVIDING TEMPORARY CIRCUITS AS NECESSARY. COST FOR THIS WORK TO BE INCLUDED WITH MAINTENANCE OF LIGHTING SYSTEMS.
- WHERE SEPARATE CIRCUIT RUNS ARE TO BE INSTALLED PARALLEL WITH EACH OTHER, ONE COMMON TRENCH SHALL BE USED AND SHALL BE MEASURED ONLY ONCE FOR PAYMENT, AS TRENCH AND BACKFILL FOR ELECTRICAL WORK.
- THE CONTRACTOR SHALL COMPLY WITH ALL OF THE LATEST IDOT, IES, NEC AND LOCAL CODES AND ORDINANCES.
- ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.
- THE EXISTING LIGHTING UNITS LOCATED WITHIN THE LIMITS OF THE EXISTING BRIDGES SHALL BE REMOVED ACCORDING TO THE REMOVAL PLAN. THE COST FOR THIS WORK IS INCLUDED IN REMOVAL OF EXISTING STRUCTURES.
- CONTRACTOR SHALL COORDINATE ACCESS TO THE EXISTING LIGHTING CONTROLS, LOCATED IN THE STOLP PARKING GARAGE, WITH THE CITY OF AURORA. NOTIFY THE CITY 48 HOURS PRIOR TO TIME OF NEEDED SERVICE INTERRUPTION. POWER MUST BE RESTORED BEFORE DUSK.
- POLE NUMBER, STATION AND CIRCUIT IDENTIFIER SHALL BE LABELED ON THE INSIDE OF THE ACCESS COVERS USING ADHESIVE LABELS ACCORDING TO THE STANDARD SPECIFICATIONS.
- ALL WIRE SHALL CONFORM TO SECTION 817 OF THE STANDARD SPECIFICATIONS.

THE FOLLOWING ITEMS ARE EMBEDDED IN THE BRIDGE SUPERSTRUCTURES

- ANCHOR BOLTS FOR ORNAMENTAL LIGHT UNIT, COMPLETE
 - 2" DIA. PVC CONDUIT (SCHEDULE 40)
 - BARE COPPER WIRE, NO 2/0.
 - EXPANSION FITTINGS SHALL BE INSTALLED AT BRIDGE EXPANSION JOINTS FOR ALL ELECTRICAL RACEWAY RUNS.
- SEE BRIDGE PLANS FOR ADDITIONAL DETAILS.

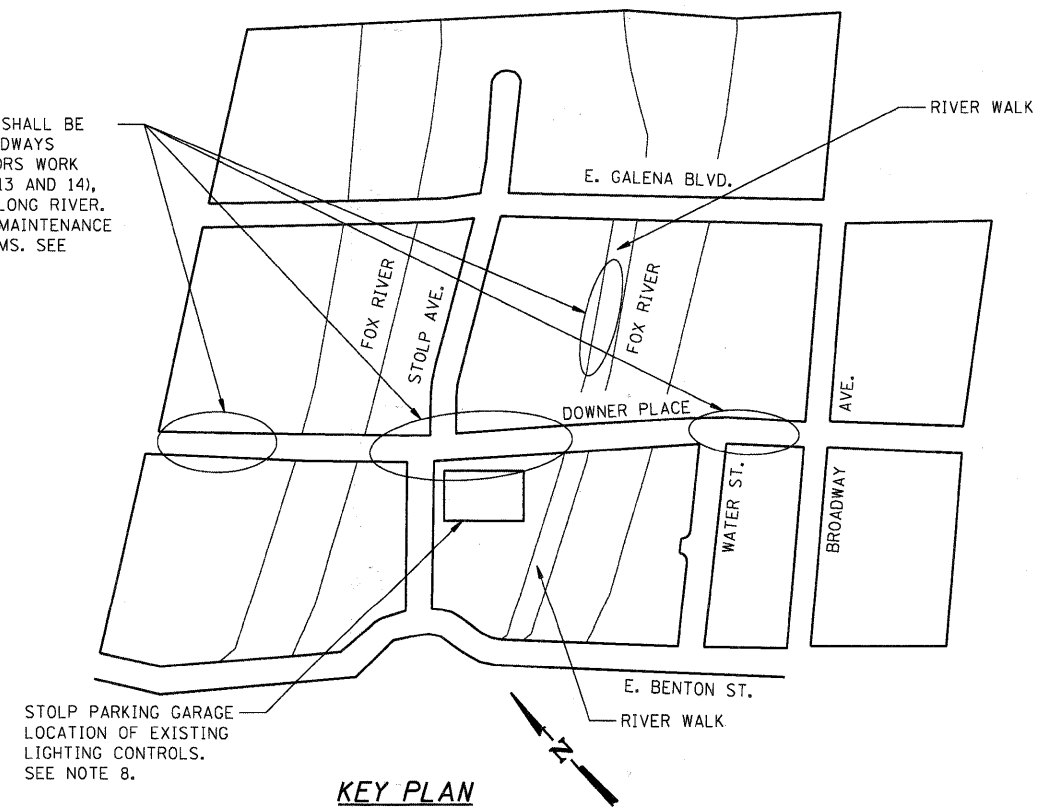
LOAD TABULATION (FOR EACH BRIDGE)

ADDED: 1600W
 REMOVED: 2163W
 NET LOSS: 563W

LIGHTING BILL OF MATERIALS

ITEM DESCRIPTION	UNIT	QUANTITY
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	550
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	480
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	435
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	850
CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL	FOOT	1,730
CONDUIT ATTACHED TO STRUCTURE, 5" DIA., GALVANIZED STEEL	FOOT	1,385
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1,680
HANDHOLE	EACH	9
HEAVY-DUTY HANDHOLE	EACH	7
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,085
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	4,660
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	2,205
MAINTENANCE OF LIGHTING SYSTEMS	EACH	2
ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	14
BARE COPPER WIRE, NO 2/0	FOOT	660

EXISTING LIGHTING SHALL BE MAINTAINED ON ROADWAYS OUTSIDE CONTRACTORS WORK AREA (SEE SHEETS 13 AND 14), AND ON WALKWAY ALONG RIVER. COST INCLUDED IN MAINTENANCE OF LIGHTING SYSTEMS. SEE NOTE 3.



HRGreen
 PROJECT CONTACT: Michael G. Harding
 CLIENT: City of Aurora
 DATE PLOTTED: 7/26/2011 10:58:02 AM
 PLOT NUMBER: 86090472-Elec05.dgn
 PEN TABLE: Struct 20x34.tbl



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FILE NAME = 86090472-Elec05.dgn	DRAWN - WJH	REVISED -
PLOT SCALE =	CHECKED - RCD	REVISED -
PLOT DATE = 7/26/2011	DATE - 7/26/11	REVISED -

CITY OF AURORA

**LIGHTING GENERAL NOTES AND BILL OF MATERIALS
 DOWNER PLACE**

SCALE: SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00264-00-BR	KANE	164	48
CONTRACT NO. 63620			ILLINOIS FED. AID PROJECT	