

ELECTRICAL SYMBOLS

PROPOSED TOWER LUMINAIRE, 750W HPS.
 EXISTING TOWER AND LUMINAIRE (750W HPS) TO REMAIN IN PLACE. ARROWS INDICATE THE QUANTITY AND ORIENTATION OF THE LUMINAIRES.

UNDERPASS LIGHTING UNIT (PRIMARY LIGHTING DISTRIBUTION PATTERN DIRECTION AS INDICATED BY ARROW). 70W HPS LUMINAIRE.

JUNCTION BOX ATTACHED TO STRUCTURE, SIZE AS INDICATED.

EXISTING LIGHTING CONTROL CABINET TO REMAIN.

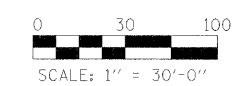
RIGID STEEL CONDUIT, 1" DIA., PVC COATED, ATTACHED TO STRUCTURE.

RACEWAY UNDERGROUND.

EXPOSED CONDUIT.

- ### NOTES:
- SEE DRAWING E-1 FOR ELECTRICAL GENERAL NOTES.
 - SEE DRAWING E-2 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND SCHEDULE OF QUANTITIES.
 - SEE DRAWING E-9 AND E-19 FOR UNDERPASS LIGHTING DETAILS AND SECTIONS.
 - PROPOSED LUMINAIRES TO BE MOUNTED AT 2 FT. SET BACK FROM EDGE OF PAVEMENT.
 - INSTALL PROPOSED UNDERPASS LUMINAIRES AFTER THE COMPLETION OF THE BRIDGE DECK.
 - CKTS. E AND F, 3-1/2 NO. 6 AND 1/2 NO. 8 GROUND IN 1" DIA. UNIT DUCT IN TRENCH.
 - CKTS. E AND F, 3-1/2 NO. 8 AND 1/2 NO. 10 GROUND IN RIGID STEEL CONDUIT, 2" DIA., PVC COATED, ATTACHED TO STRUCTURE.
 - INSTALL 30A. FUSES WITH DISCONNECT TYPE FUSE HOLDERS FOR PHASE WIRES FOR CIRCUITS E AND F IN THE JB1 JUNCTION BOX. COST TO BE INCLUDED IN THE PRICE FOR JUNCTION BOX JB1.
 - SEE DRAWING E-6 FOR PROPOSED OVERPASS LIGHTING
 - SEE DRAWING E-9 DETAIL B FOR CONDUIT ROUTING OVER FACIA BEAMS.

JUNCTION BOX SCHEDULE			
NO.	SIZE (in)	DESCRIPTION	QUANTITY
JB1	16 X 12 X 6	STAINLESS STEEL, ATTACHED TO STRUCTURE	2
JB2	12 X 12 X 6	STAINLESS STEEL, ATTACHED TO STRUCTURE	19
JB3	6 X 6 X 4	STAINLESS STEEL, ATTACHED TO STRUCTURE	22



E-8

SINGH 300 W. ADAMS ST. CHICAGO, IL 60606 SINGH & ASSOCIATES, INC. CONSULTING ENGINEERS TEL: (312) 629-0240 FAX: (312) 629-8449	USER NAME = #USER# PLOT SCALE = #SCALE# PLOT DATE = 3/22/2011	DESIGNED - VG DRAWN - AM CHECKED - GR DATE - 3-25-2011	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CENTRAL AVENUE OVER I-55 PROPOSED UNDERPASS LIGHTING PLAN	F.A. RTE. 55 SECTION 9(H), HB & SB/R-1 COUNTY COOK TOTAL SHEETS 741 SHEET NO. 216 CONTRACT NO. 60999
	SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				