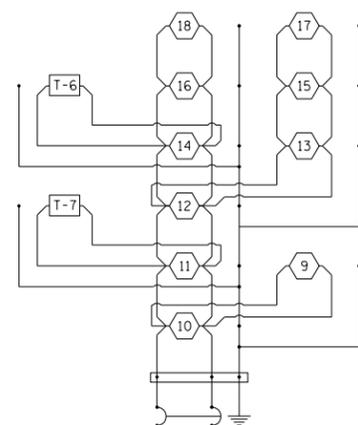
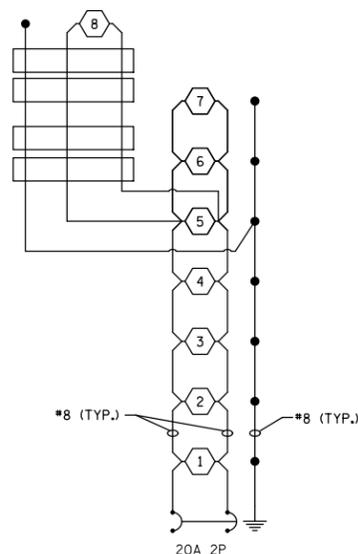


INFORMATION ONLY



LIGHTING CIRCUIT "E" (EXISTING)
TO BE RECONNECTED TO
PROPOSED LIGHTING CONTROLLER #109



LIGHTING CIRCUIT "F" (PROPOSED)
PROPOSED LIGHTING CONTROLLER #109
TO REPLACE EXISTING LIGHTING CONTROLLER #109

NOTES:

- ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.



ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE - PROPOSED LIGHTING

GIVEN CONDITIONS		
ROADWAY DATA:	PAVEMENT WIDTH	16 (FT.)
	NUMBER OF LANES (IN DIRECTION OF TRAVEL)	1
	I.E.S. SURFACE CLASSIFICATION	R3
	Q-ZERO VALUE	.07
LIGHT POLE DATA:	MOUNTING HEIGHT	45 (FT.)
	MAST ARM LENGTH	15 (FT.)
	POLE SET-BACK FROM EDGE OF PAVEMENT	15 (FT.)
LUMINAIRE DATA:	LAMP TYPE	HPS
	LAMP LUMENS	28,500
	I.E.S. VERTICAL DISTRIBUTION	MEDIUM
	I.E.S. CONTROL OF DISTRIBUTION	CUTOFF
	I.E.S. LATERAL DISTRIBUTION	TYPE III
	TOTAL LIGHT LOSS FACTOR	0.684
LAYOUT DATA:	SPACING	190 (FT.)
	CONFIGURATION	SINGLE SIDED
	LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LANE	0 (FT.)

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED I.E.S. DISTRIBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.

PERFORMANCE REQUIREMENTS		
NOTE: THESE PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS LISTED ABOVE		
ILLUMINANCE:	AVERAGE HORIZONTAL ILLUMINANCE: (E_{AVE})	6.0 LUX
	UNIFORMITY RATIO: (E_{AVE}/E_{MIN})	3.0 (MAX)
LUMINANCE:	AVERAGE LUMINANCE: (L_{AVE})	0.4 Cd/m
	UNIFORMITY RATIOS: (L_{AVE}/L_{MIN})	3.5 (MAX)
	(L_{AVE}/L_{MIN})	6.0 (MAX)
	MAXIMUM VEILING LUMINAIRE RATIO: (L_V/L_{AVE})	0.3 (MAX)

FILE NAME =	USER NAME = detersbj	DESIGNED - MAP	REVISED -
c:\pwork\pwork\detersbj\0157116\0570570-sht-lighting.dgn		DRAWN - MAP	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
\$MODELNAME\$	PLOT DATE = 8/14/2013	DATE - 7/8/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 & I-55 BUSN /VETERAN'S PARKWAY
WIRING DIAGRAMS & LUMINAIRE PERFORMANCE TABLES

SCALE: SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	57-20(HB,HB-1)BR-1	MCLEAN	440	152
CONTRACT NO. 70570				
ILLINOIS FED. AID PROJECT				