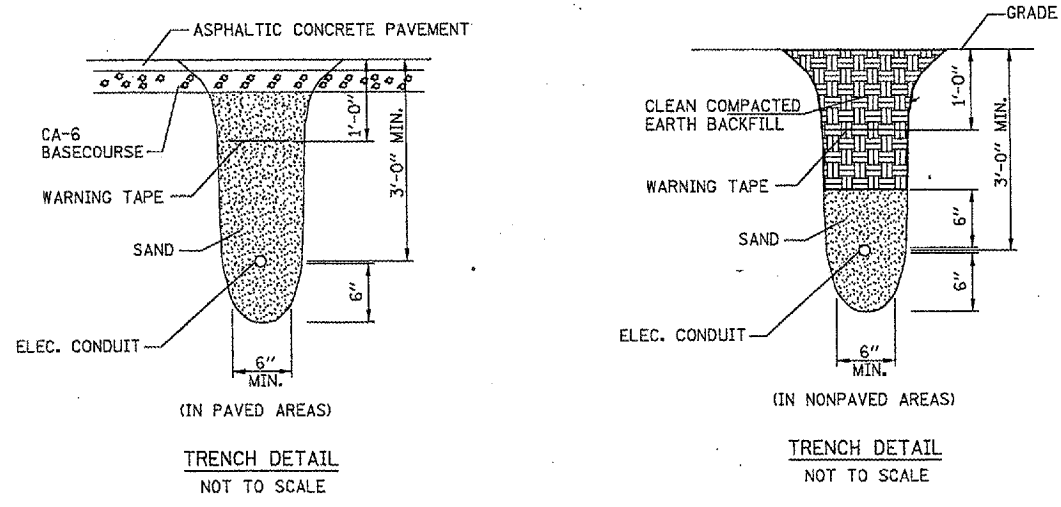
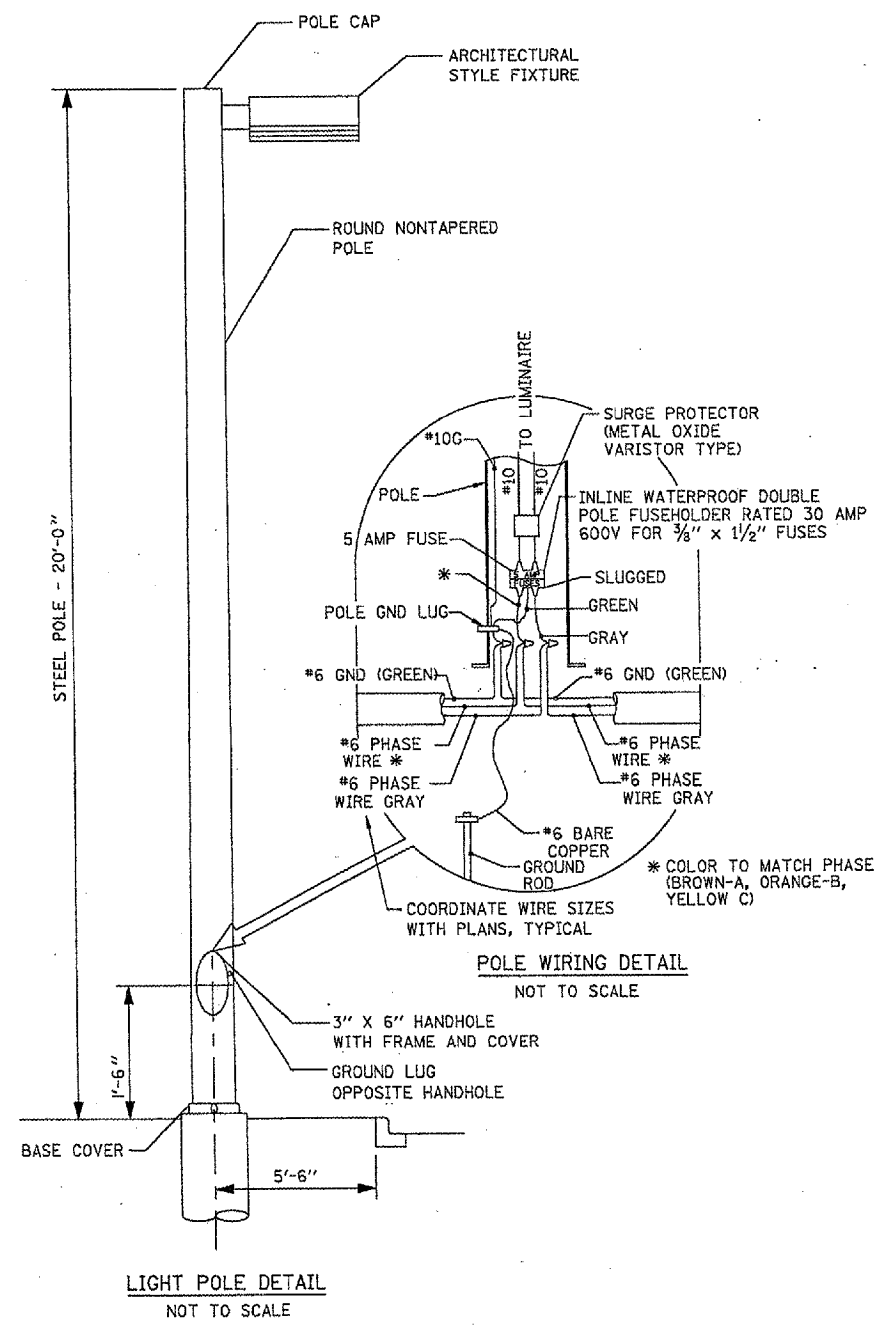


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00001-01-PV	DEKALB	38	19
STA.	TO STA.			
C# 87319 ILLINOIS FED. AID PROJECT				



ILLINOIS DEPARTMENT OF TRANSPORTATION  
LUMINAIRE PERFORMANCE TABLE

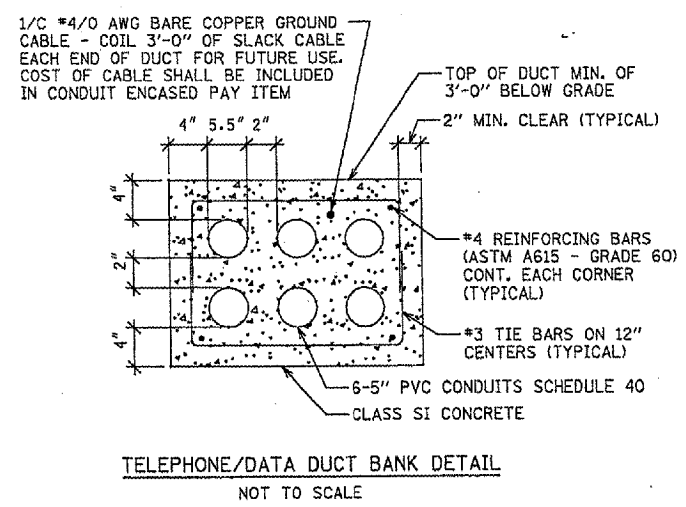
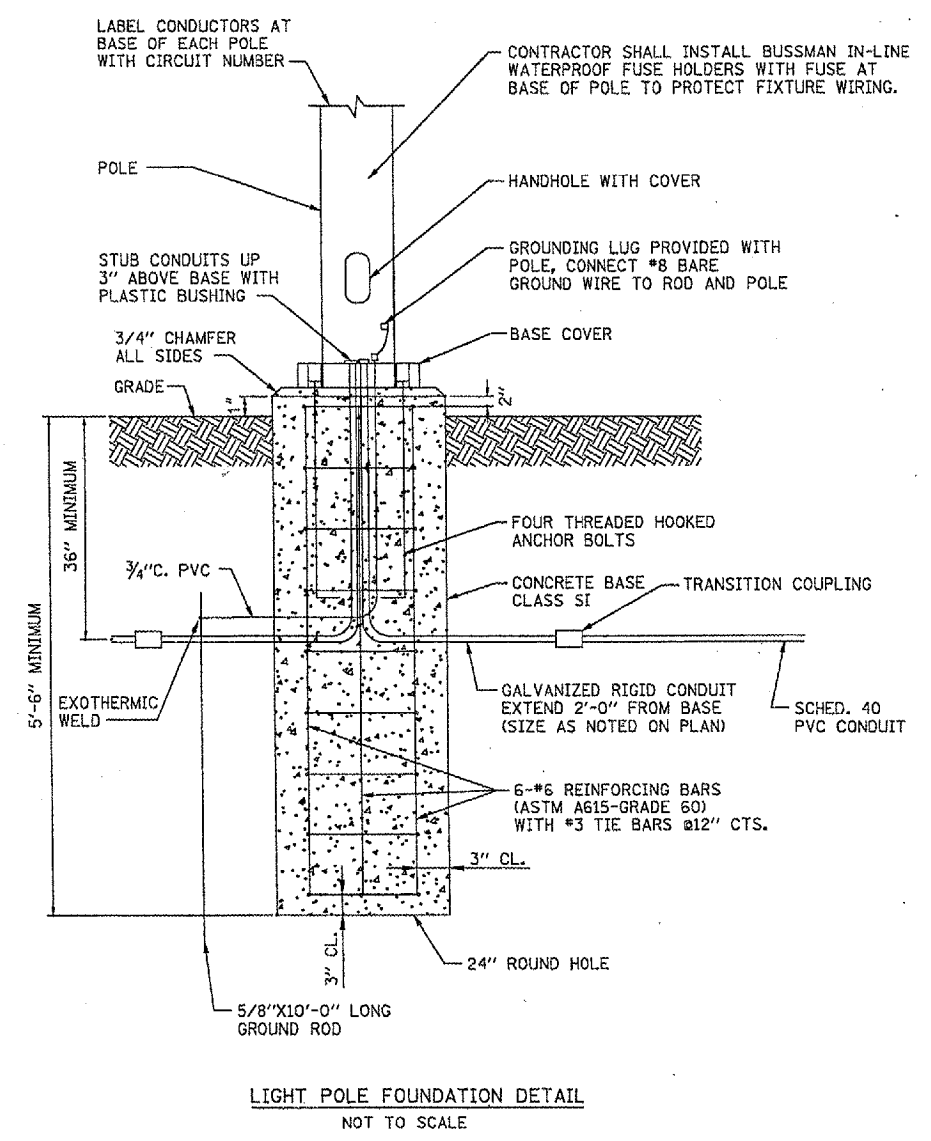
GIVEN CONDITIONS		
ROADWAY DATA:	PAVEMENT WIDTHS	52 FT
	NUMBER OF LANES	4
	MEDIAN WIDTH	13 FT
	IES SURFACE CLASSIFICATION	R1
	Q-ZERO VALUE	0.10
LIGHT POLE DATA:	MOUNTING HEIGHT	20 FT
	MAST ARM LENGTH	1 FT
	POLE SET-BACK FROM EDGE OF PAVEMENT	6 FT
LUMINAIRE DATA:	LAMP TYPE	400W CLEAR MH
	LAMP LUMENS	40,000
	IES VERTICAL DISTRIBUTION	SHORT
	IES CONTROL OF DISTRIBUTION	CUTOFF
	IES LATERAL DISTRIBUTION	TYPE III
	TOTAL LIGHT LOSS FACTOR	0.525
LAYOUT DATA:	SPACING	107 FT
	CONFIGURATION	SINGLE HEAD POLE MOUNT
	LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LINE	-5 FT

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED IES 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.

ILLUMINATION:	AVERAGE HORIZONTAL ILLUMINATION, (EAVE)	2.4 FC
	UNIFORMITY RATIO, (EAVE/EMIN)	2.2
LUMINANCE:	AVERAGE LUMINANCE, (LAVE)	1.5 Cd/m <sup>2</sup>
	UNIFORMITY RATIOS: (LAVE/LMIN)	1.6
	(LMAX/LMIN)	3.5
	MAXIMUM VEILING LUMINANCE RATIO: (LV/LAVE)	0.4



LIGHTING FIXTURE SCHEDULE

FIXT. TYPE	DESCRIPTION	MANUFACTURER & CAT. NO.	LAMPS/WATTS	VOLTS	MOUNTING	REMARKS
F1	POLE MOUNTED MH ARCHITECTURAL ROADWAY LUMINAIRE, HEAVY GAUGE EXTRUDED ALUMINUM 25" DIA. ROUND HOUSING, FULLY GASKETED FOR WEATHER AND BUG TIGHTNESS, BAKED ON POLYESTER POWDER COAT FINISH, ANODIZED ALUMINUM IES TYPE III CUTOFF OPTICS, CLEAR TEMPERED GLASS LENS, HORIZONTALLY MOUNTED MEDIUM BASE PORCELAIN SOCKET, HPF CWA TYPE BALLAST, DARK BRONZE PAINT FINISH.	KIM: 1A-CC25A3-400MH-DBP/KRS20-5180-DBP OR APPROVED EQUAL.	1-400W MH ANSI CODE NO. M59 460 TOTAL INPUT WATTS	277	MOUNTED ON A 20'-0" ROUND NONTAPERED STEEL POLE	SUPPLY A 100 MPH RATED POLE AT 200% OF THE RATED EPA OF THE FIXTURE PROVIDED. SPECIFIED FIXTURE EPA RATING EQUALS 1.5 SQ FT EACH

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SECTION 04-00001-00-PV  
DEKALB COUNTY  
NORTHERN ILLINOIS UNIVERSITY WEST ACCESS  
ROAD EXTENSION  
**ROADWAY LIGHTING ELECTRICAL DETAILS**

SCALE: AS SHOWN  
DATE 05/18/06  
DRAWN BY ANC  
CHECKED BY PJT

HANSON  
 Hanson Professional Services Inc.  
 Copyright Hanson Professional Services Inc. 2005  
 LAYOUT: ANC 02/07/06  
 DRAWN: ANC 04/28/06  
 REVIEWED: PJT 04/28/06  
 PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION SECTION 04-00001-00-PV  
 SHEET: 19 OF 38