

**LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT,
PHOTO-CELL CONTROL, 400 WATT PERFORMANCE TABLE**

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS

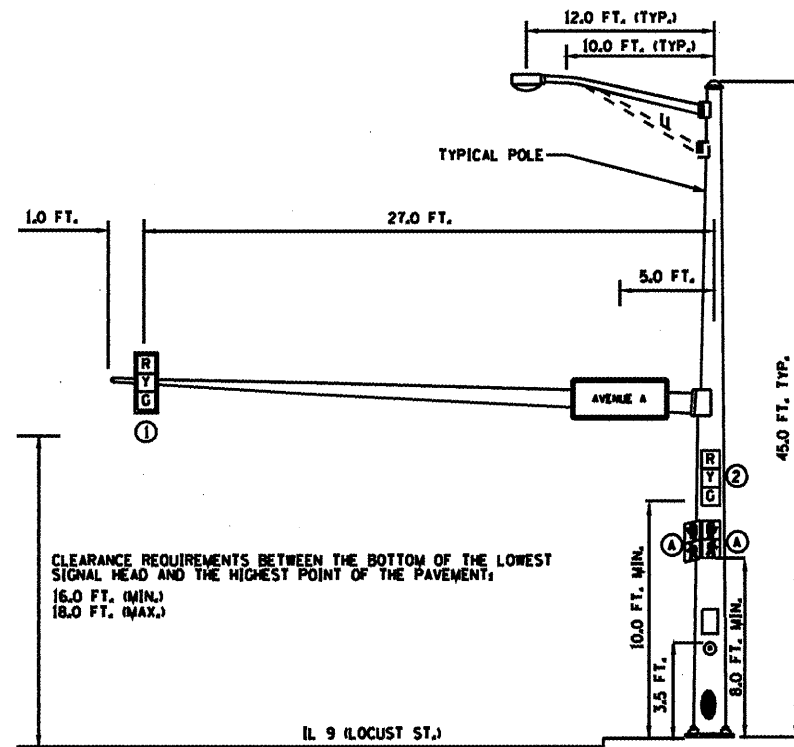
ROADWAY DATA:	Pavement Width	24 FT
	Number Of Lanes	2
	Median Width	12 FT
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	45 FT
	Mast Arm Length	12 FT
	Pole Set-Back From Edge Of Pavement	12 FT
LUMINAIRE DATA:	Lamp Type	400W HPV
	Lamp Lumens	50000
	IES Vertical Distribution	M
	IES Control Of Distribution	FC
	IES Lateral Distribution	3
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	200 FT
	Configuration	Opposite
	Luminaire Overhang Over Edge Of Pavement Lane	-12 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

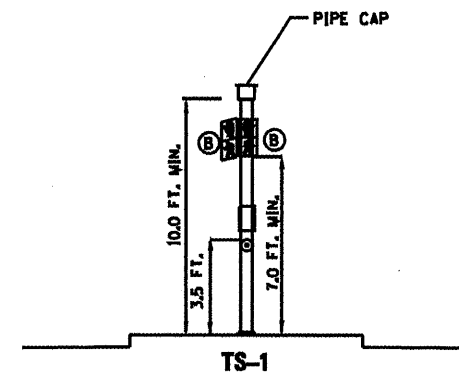
NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination, (E_{ave})	2.00 fc
	Uniformity Ratio, (E_{ave}/E_{min})	3.0
LUMINANCE:	Average Luminance: (L_{ave})	1.30 cd/m^2
	Uniformity Ratios: (L_{ave}/L_{min})	3.5
	(L_{max}/L_{min})	6.0
	Maximum Veiling Luminance Ratio: (L_v/L_{ave})	0.3



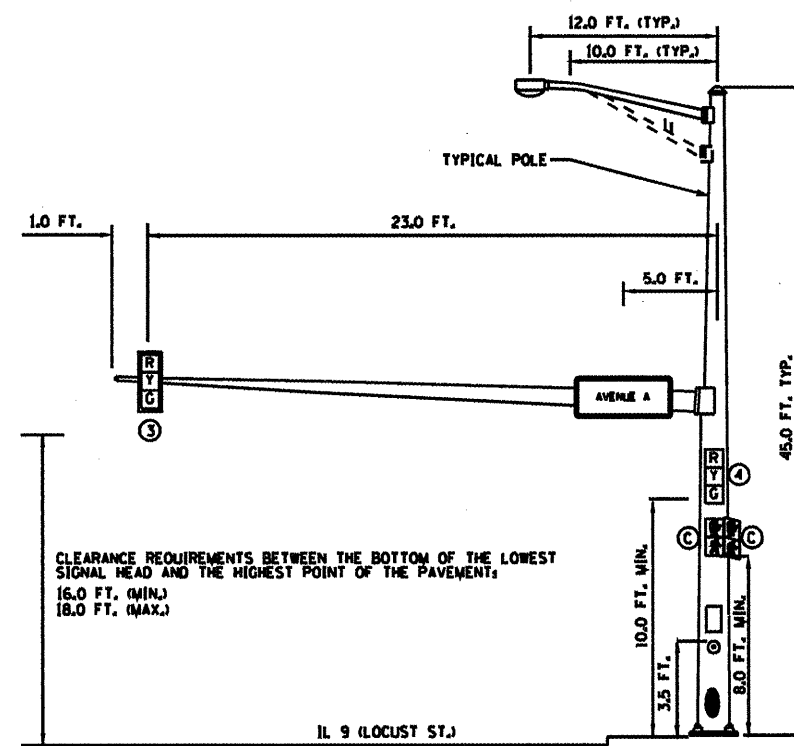
EASTBOUND TRAFFIC SIGNAL

SOUTHEAST CORNER OF IL 9 (LOCUST ST.) & AVENUE A



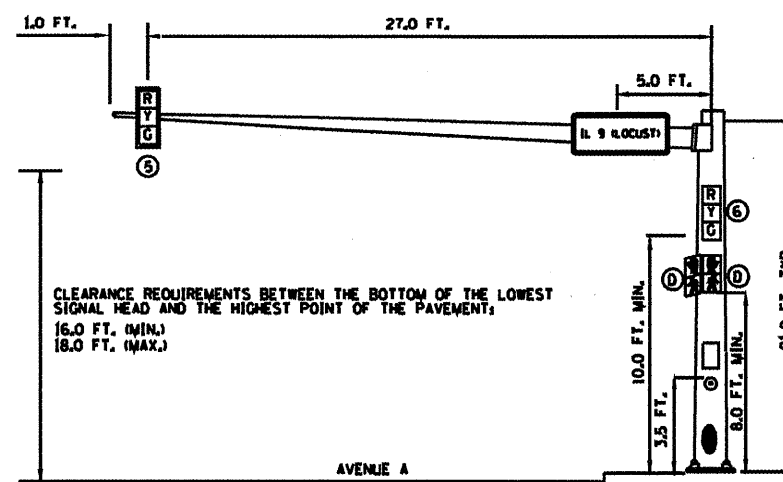
TRAFFIC SIGNAL POST

SOUTHWEST CORNER OF IL 9 (LOCUST ST.) & AVENUE A



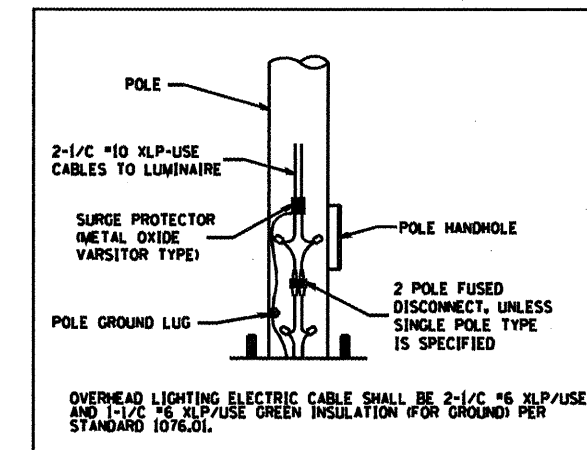
WESTBOUND TRAFFIC SIGNAL

NORTHWEST CORNER OF IL 9 (LOCUST ST.) & AVENUE A



NORTHBOUND TRAFFIC SIGNAL

NORTHEAST CORNER OF IL 9 (LOCUST ST.) & AVENUE A



LUMINAIRE WIRING DIAGRAM (TYP.)

NOT TO SCALE
TRAFFIC SIGNALS
SHEET 6 OF 23

FILE NAME *	USER NAME * #USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 9 (LOCUST ST.) & AVENUE A MAST ARM LOADING DETAIL	F.A.I.L. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -			665 (IL 9)	(41Z,135R,AW,ICS1)		125	66
PLOT SCALE * #SCALE#		CHECKED -	REVISED -			22 (IL 78)			CONTRACT NO. 68877	
PLOT DATE * #DATE#		DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT