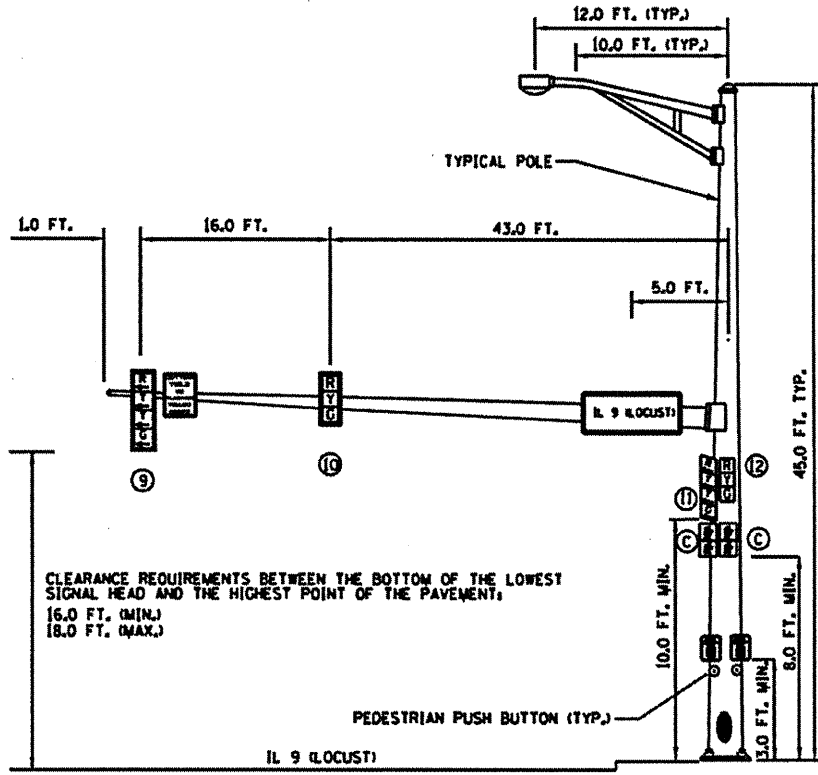
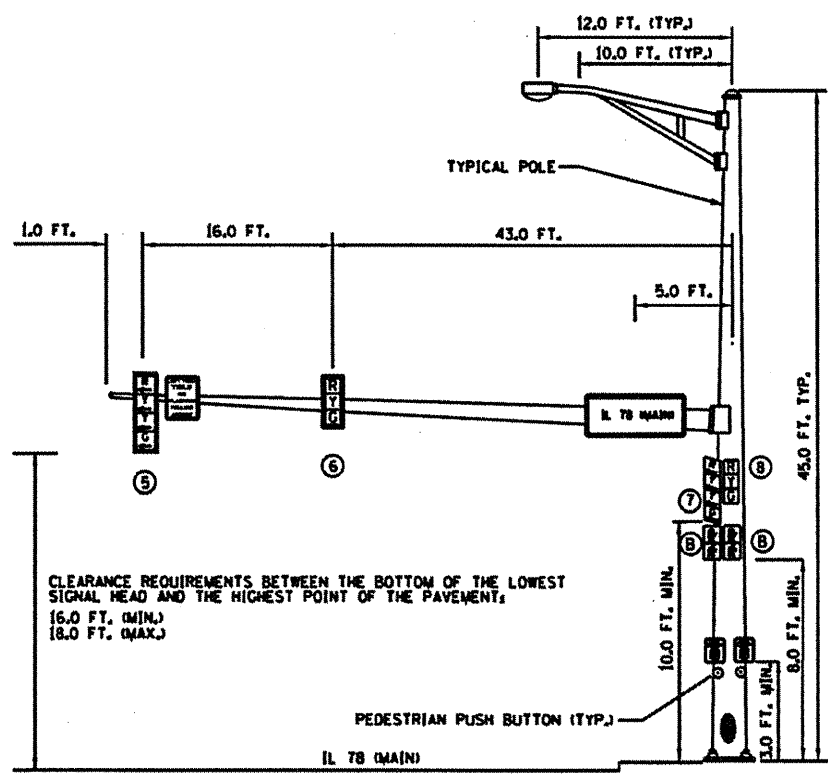


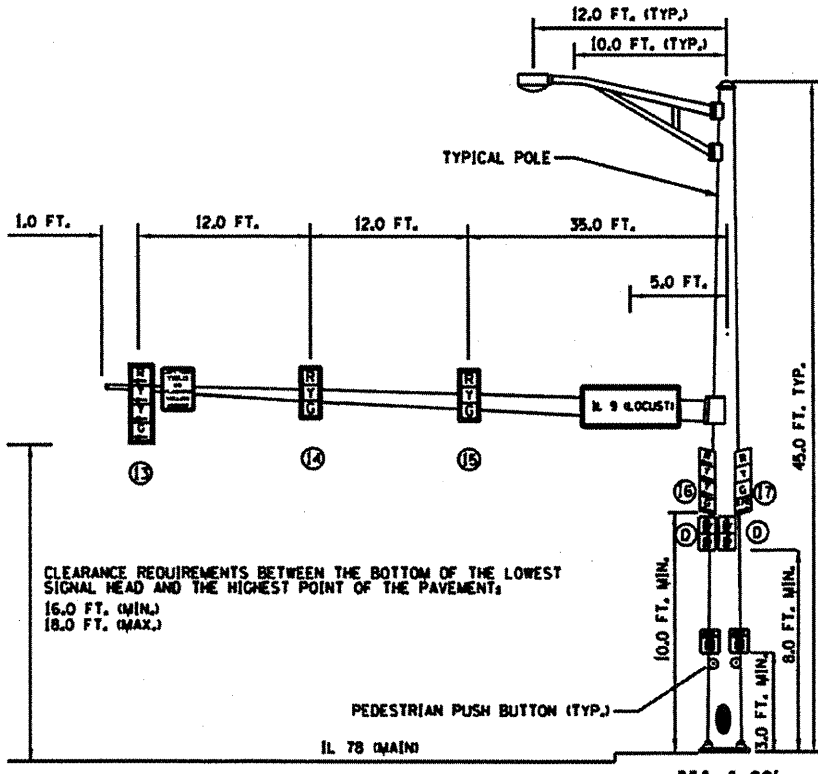
EASTBOUND TRAFFIC SIGNAL
SOUTHEAST CORNER OF IL 9 (LOCUST) & IL 78 (MAIN)



WESTBOUND TRAFFIC SIGNAL
NORTHWEST CORNER OF IL 9 (LOCUST) & IL 78 (MAIN)

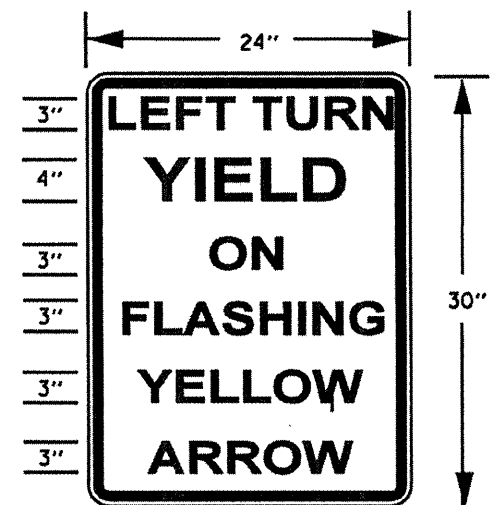


SOUTHBOUND TRAFFIC SIGNAL
NORTHEAST CORNER OF IL 9 (LOCUST) & IL 78 (MAIN)



NORTHBOUND TRAFFIC SIGNAL
NORTHWEST CORNER OF IL 9 (LOCUST) & IL 78 (MAIN)

SCHEDULE OF QUANTITIES		
ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	20.0



SIGN PANEL - TYPE 1 (SPECIAL)
SIGN BACKGROUND: WHITE
SIGN LETTERING: BLACK

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	B3
	Q-Zero Value	.37
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	250W HPS
	Lamp Lumens	28000
	IES Vertical Distribution	31
	IES Control Of Distribution	FC
	IES Lateral Distribution	3
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	170 FT
	Configuration	Opposite
	Luminaire Overhang Over Edge Of Pavement Lane	-12 FT

NOTE: Variations from the above specified IES distributions 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_{avg})	1.30 fc
	Uniformity Ratio, (E_{min}/E_{max})	3.8
LUMINANCE:	Average Luminance, (L_{avg})	0.90 Cd/m ²
	Uniformity Ratio: (L_{min}/L_{max})	3.5
	(L_{min}/L_{max})	6.0
	Maximum Veiling Luminance Ratio: (L_v/L_{min})	0.3

NOT TO SCALE
TRAFFIC SIGNALS
SHEET 13 OF 23

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 9 (LOCUST ST.) & IL 78 (MAIN ST.) MAST ARM LOADING DETAIL	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OF FILE		DRAWN	REVISED			685 (IL 9)	(41Z, 135R, 141CS)	FULTON	125	13						
PLOT SCALE	#SCALE	CHECKED	REVISED			22 (IL 78)				CONTRACT NO. 68877						
PLOT DATE	#DATE	DATE	REVISED			FED. ROAD DIST. NO.	ILLINOIS/FED. AID PROJECT									