

SUPPORT NO.	ARM	MIN CLEARANCE FROM PAVEMENT TO BOTTOM OF SIGNAL HEAD	MAX CLEARANCE FROM PAVEMENT TO BOTTOM OF SIGNAL HEAD	FOUNDATION ELEVATION AT GROUND LEVEL	DISTANCE FROM GROUND TO FOUNDATION	ELEVATION B TOP OF FOUNDATION	RISE ANGLE WITH HORIZONTAL ARM TIP	SIGNAL HEADS CENTERED ON WHICH COLOR?	SIGNAL NO.	SIGNAL HEAD TYPE (12 IN. SECTIONS WITH BACKPLATES)	DISTANCE FROM BOTTOM OF SIGNAL HEAD TO CENTER OF MAST ARM (TEM 497-6)	SIGNAL HEAD DISTANCE FROM SUPPORT POLE	ELEVATION A PAVEMENT ELEVATION UNDER SIGNAL HEAD OR SIGN	MINIMUM HEIGHT (FOUNDATION TO MAST ARM)	MAXIMUM HEIGHT (FOUNDATION TO MAST ARM)	MINIMUM ALLOWABLE HEIGHT (FOUNDATION TO MAST ARM)	MAXIMUM ALLOWABLE HEIGHT (FOUNDATION TO MAST ARM)	FINAL ATTACHMENT ARM HEIGHT (FOUNDATION TO MAST ARM)	DOES MAST ARM HAVE POLE EXTENSION? ^	HEIGHT FROM MAST ARM TO TOP OF POLE	SUGGESTED POLE HEIGHT	POLE HEIGHT WITH 10' EXTENSION
		FT	FT	FT	IN	FT	DEGREE				FT	FT	FT	FT	FT	FT	FT	FT		FT	FT	FT
SP-1	A	17	19	870.85	2	871.02	0	YELLOW	4A	3 SECTIONS	2.3	20.6	870.61	18.89	20.89	19.0	20.9	20	YES	5	25	35
									4B	3 SECTIONS	2.3	35.3	870.71	18.99	20.99							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
SP-2	A	17	19	870.45	0	870.45	0	YELLOW	6A	3 SECTIONS	2.3	3	870.40	19.25	21.25	19.2	21.2	20	YES	5	25	35
									6B	3 SECTIONS	2.3	17.1	870.38	19.23	21.23							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
SP-3	A	17	19	870.2	0	870.20	0	YELLOW	8	3 SECTIONS	2.3	26.7	869.95	19.05	21.05	19.4	21.1	20	YES	5	25	35
									3	5 SECTIONS - CLUSTER	2.6	41.2	869.98	19.38	21.38							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
SP-4	A	17	19	870.58	0	870.58	0	YELLOW	2A	3 SECTIONS	2.3	8.9	869.81	18.53	20.53	18.6	20.5	19.5	YES	5	24.5	34.5
									2B	3 SECTIONS	2.3	20.7	869.93	18.65	20.65							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							

^ With typical extension, 5' is calculated, as per SCD TC-81.22.  
 Note: Final Pole Height will be noted in the plans on Mast Arm Design Table

REVIEW COMPLETE	
PM	_____
BRIDGES	_____
CONSTRUCT	_____
DRAINAGE	_____
ENVIRON	_____
GEOTECH	_____
ITS	_____
MOT	_____
PAVEMENT	_____
ROADWAY	_____
R/W	_____
SURVEY	_____
TRAFFIC	Teri C. Scanlon, P.E. 04/02/2025
UTILITIES	_____
OTHER	_____
OTHER	_____

SUPPORT NO.	ARM	NUMBER OF LUMINAIRES OR BRACKET ARMS	LUMINAIRE/ BRACKET ARM LENGTH	SIGNAL OR SIGN?	SIGNAL/ SIGN NO.	ATTACHMENT DISTANCE FROM SUPPORT POLE		SIGNAL HEAD TYPE (12 IN. LENS)	SIGN SIZE		AREA	ATTACHMENT LENGTH * AREA	L	DAMPER REQUIRED?  (Incidental to Support item; CM&S 632 and SCD TC-81.22)	K	DESIGN NO.
						NO.	FT		IN	SQ. FT.			TOTAL MAST ARM LENGTH		AREA MOMENT DESIGN FACTOR	
			FT							FT						
SP-1	A	1	25	SIGN	S1	L1	12	-	18	72	9.0	108.0	40	NO	669.33	12
				SIGNAL	4A	L2	20.6	3 SECTIONS	-	-	8.7	179.2				
				SIGNAL	4B	L3	35.3	3 SECTIONS	-	-	8.7	307.1				
				-	-	L4	-	-	-	-	-	-				
			-	-	-	L5	-	-	-	-	-	-				
				-	-	L6	-	-	-	-	-	-				
				-	-	L7	-	-	-	-	-	-				
				-	-	L8	-	-	-	-	-	-				
SP-2	A	1	10	SIGNAL	6A	L1	3	3 SECTIONS	-	-	8.7	26.1	23	NO	399.87	2
				SIGN	S4	L2	10	-	18	72	9.0	90.0				
				SIGNAL	6B	L3	17.1	3 SECTIONS	-	-	8.7	148.8				
				SIGN	S3	L4	21	-	24	30	5.0	105.0				
			-	-	-	L5	-	-	-	-	-	-				
				-	-	L6	-	-	-	-	-	-				
				-	-	L7	-	-	-	-	-	-				
				-	-	L8	-	-	-	-	-	-				
SP-3	A	1	30	SIGN	S5	L1	10	-	18	72	9.0	90.0	44	NO	923.17	12
				SIGNAL	8	L2	26.7	3 SECTIONS	-	-	8.7	232.3				
				SIGNAL	3	L3	41.2	5 SECTIONS - CLUSTER	-	-	12.4	510.9				
				-	-	L4	-	-	-	-	-	-				
			-	-	-	L5	-	-	-	-	-	-				
				-	-	L6	-	-	-	-	-	-				
				-	-	L7	-	-	-	-	-	-				
				-	-	L8	-	-	-	-	-	-				
SP-4	A	1	15	SIGN	S7	L1	4.9	-	24	30	5.0	24.5	23	NO	455.72	2
				SIGNAL	2A	L2	8.9	3 SECTIONS	-	-	8.7	77.4				
				SIGN	S6	L3	14.3	-	18	72	9.0	128.7				
				SIGNAL	2B	L4	20.7	3 SECTIONS	-	-	8.7	180.1				
			-	-	-	L5	-	-	-	-	-	-				
				-	-	L6	-	-	-	-	-	-				
				-	-	L7	-	-	-	-	-	-				
				-	-	L8	-	-	-	-	-	-				