

PROJECT INFORMATION

PROJECT/PID:	109972 Task 231473
INTERSECTION NAME:	WAR 71 & S.R. 741 NB Ramps
STUDY DATE:	9/18/2024

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	757.19	2	757.36	0	RED	8A	3 SECTIONS	3.4	4	757.27	20.31	22.31	21.0	22.3	22	NO	1.5	23.5	N/A
									8B	3 SECTIONS	3.4	15	757.73	20.77	22.77							
									8C	3 SECTIONS	3.4	58	757.91	20.95	22.95							
									8D	3 SECTIONS	3.4	68	757.92	20.96	22.96							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
SP-1	B	17	19	757.19	2	757.36	0	RED	6A	3 SECTIONS	3.4	24	758.18	21.22	23.22	21.3	23.2	23	NO	1.5	24.5	N/A
									6B	3 SECTIONS	3.4	36	758.29	21.33	23.33							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
SP-2	A	17	19	756.95	2	757.12	0	RED	5A	4 SECTIONS	4.6	51	758.84	23.32	25.32	23.3	23.9	23.5	NO	1.5	25	N/A
									2A	3 SECTIONS	3.4	39	758.83	22.11	24.11							
									2B	3 SECTIONS	3.4	30	758.58	21.86	23.86							
									-	-	-	-	-	-	-							
-	-	17	19	-	-	-	1/2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

yellow. This will affect the support heights

Review attachment height based on yellow signal mounting

Increase support height by 5' for the support with the CCTV

^ 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

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? <small>(Incidental to Support item; CM&S 632 and SCD TC-81.22)</small>	K	DESIGN NO.
			FT			NO.	FT		IN	SQ. FT.			FT		AREA MOMENT DESIGN FACTOR	
SP-1	A	1	70	SIGNAL	8A	L1	4	3 SECTIONS	-	-	8.7	34.8	70	YES	1480.2	14
				SIGNAL	8B	L2	16	3 SECTIONS	-	-	8.7	139.2				
				SIGNAL	8C	L3	58	3 SECTIONS	-	-	8.7	504.6				
				SIGNAL	8D	L4	68	3 SECTIONS	-	-	8.7	591.6				
				-	-	L5	-	-	-	-	-	-				
				-	-	L6	-	-	-	-	-	-				
				-	-	L7	-	-	-	-	-	-				
				-	-	L8	-	-	-	-	-	-				
SP-1	B	1	44	SIGNAL	6A	L1	24	3 SECTIONS	-	-	8.7	208.8	44	NO	969	12
				SIGNAL	6B	L2	36	3 SECTIONS	-	-	8.7	313.2				
				SIGN	-	L3	42	-	30	36	7.5	315.0				
				-	-	L4	-	-	-	-	-	-				
				-	-	L5	-	-	-	-	-	-				
				-	-	L6	-	-	-	-	-	-				
				-	-	L7	-	-	-	-	-	-				
				-	-	L8	-	-	-	-	-	-				
SP-2	A	1	55	SIGNAL	5A	L1	51	4 SECTIONS	-	-	11.0	561.0	55	NO	1723.8	13
				SIGNAL	2A	L2	39	3 SECTIONS	-	-	8.7	339.3				
				SIGNAL	2B	L3	30	3 SECTIONS	-	-	8.7	261.0				
				SIGN	-	L4	53	-	30	36	7.5	397.5				
				-	-	L5	-	-	-	-	-	-				
				-	-	L6	-	-	-	-	-	-				
				-	-	L7	-	-	-	-	-	-				
				-	-	L8	-	-	-	-	-	-				
-	-	-	-	-	-	L1	-	-	-	-	-	-	-	-	-	-
				-	-	L2	-	-	-	-	-	-				
				-	-	L3	-	-	-	-	-	-				
				-	-	L4	-	-	-	-	-	-				
				-	-	L5	-	-	-	-	-	-				
				-	-	L6	-	-	-	-	-	-				
				-	-	L7	-	-	-	-	-	-				
				-	-	L8	-	-	-	-	-	-				

SUPPORT NO.	ARM	DESIGN NO.	POLE SIZE REQ.	POLE DESIGNATION
SP-1	A	14	D	TC-12.31 DES 10
	B	12		
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-