

PROJECT INFORMATION

PROJECT/PID:	115153
INTERSECTION NAME:	S Main St at W 6th St
STUDY DATE:	5/30/2024

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	
SP-1	A	17	19	681.76	0	681.76	0	YELLOW	6B	3 SECTIONS	2.3	19	681.42	18.96	20.96	19.0	20.9	20	NO	1.5	21.5	N/A
									6A	3 SECTIONS	2.3	26	681.33	18.87	20.87							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
SP-2	B	17	19	680.97	0	680.97	0	YELLOW	2B	3 SECTIONS	2.3	32	680.76	19.09	21.09	19.2	21.1	19.5	NO	1.5	21	N/A
									2A	3 SECTIONS	2.3	21	680.92	19.25	21.25							
									5A	3 SECTIONS	2.3	14	680.83	19.16	21.16							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
SP-2	A	17	19	680.97	0	680.97	0	YELLOW	8A	3 SECTIONS	2.3	35	681.11	19.44	21.44	19.5	21.4	21	NO	1.5	22.5	N/A
									8B	5 SECTIONS - CLUSTER	2.6	26	680.86	19.49	21.49							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							
SP-3	A	17	19	682.03	0	682.03	0	YELLOW	4A	5 SECTIONS - CLUSTER	2.6	18	681.75	19.32	21.32	19.3	20.8	20	NO	1.5	21.5	N/A
									4B	3 SECTIONS	2.3	10	681.53	18.80	20.80							
									-	-	-	-	-	-	-							
									-	-	-	-	-	-	-							

^ With typical extension, 5' is calculated, as per SCD TC-85.22.

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? (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	0	-	SIGNAL	6B	L1	26	3 SECTIONS	-	-	8.7	226.2	32	NO	573.8	2	
				SIGNAL	6A	L2	18	3 SECTIONS	-	-	8.7	156.6					
				SIGN	S1	L3	22	-	24	30	5.0	110.0					
				SIGN	S2	L4	9	-	72	18	9.0	81.0					
			-	-	-	L5	-	-	-	-	-	-					-
				-	-	L6	-	-	-	-	-	-					-
				-	-	L7	-	-	-	-	-	-					-
				-	-	L8	-	-	-	-	-	-					-
SP-2	B	0	-	SIGNAL	2B	L1	32	3 SECTIONS	-	-	8.7	278.4	35	NO	681.1	4	
				SIGN	S1	L2	26	-	24	30	5.0	130.0					
				SIGNAL	2A	L3	21	3 SECTIONS	-	-	8.7	182.7					
				SIGN	S2	L4	10	-	72	18	9.0	90.0					
			-	-	-	L5	-	-	-	-	-	-					-
				-	-	L6	-	-	-	-	-	-					-
				-	-	L7	-	-	-	-	-	-					-
				-	-	L8	-	-	-	-	-	-					-
SP-2	A	0	-	SIGNAL	8A	L1	35	3 SECTIONS	-	-	8.7	304.5	38	NO	763.4	4	
				SIGNAL	8B	L2	26	5 SECTIONS - CLUSTER	24	24	12.4	322.4					
				SIGN	S3	L3	14	-	78	18	9.8	136.5					
				-	-	L4	-	-	-	-	-	-					
			-	-	-	L5	-	-	-	-	-	-					-
				-	-	L6	-	-	-	-	-	-					-
				-	-	L7	-	-	-	-	-	-					-
				-	-	L8	-	-	-	-	-	-					-
SP-3	A	0	-	SIGNAL	4A	L1	18	5 SECTIONS - CLUSTER	-	-	12.4	223.2	21	NO	358.95	2	
				SIGNAL	4B	L2	10	3 SECTIONS	-	-	8.7	87.0					
				SIGN	S3	L3	5	-	78	18	9.8	48.8					
				-	-	L4	-	-	-	-	-	-					
			-	-	-	L5	-	-	-	-	-	-					-
				-	-	L6	-	-	-	-	-	-					-
				-	-	L7	-	-	-	-	-	-					-
				-	-	L8	-	-	-	-	-	-					-

SUPPORT NO.	ARM	DESIGN NO.	POLE SIZE REQ.	POLE DESIGNATION
SP-2	A	4	C	TC-12.31 DES 6
	B	4		
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-