



TIP NO. HB-0004	SHEET NO. SIGN-2
APPROVED: <i>Regina M. Muncy</i> CFEES1802245FA	
DATE: 4/8/2024	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

TYPE 'A' & 'B' GROUND MOUNTED SIGNS

SUPPORT CHART

Version: 3.2 Posted: 7/5/2023

NUMBER	SIGN TYPE	SIGN SIZE (in.)			ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	OMNI COUPLER	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			SUPPORT WEIGHTS		FOOTINGS				FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h										SNS HT "H"	MTG HT "C"	EMBED-MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	B/A (lbs.)	SIMPLE (lbs.)	DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)	
101A	B	114	x	30	-L- 241+00	2	W8x21	S	N/A	1-R	N/A	20.00	5.86	10.00	7.00	4.5	3.21	20.21	24.71	0.00	0.00	0.00	6.14	23.14	27.64	0.00	1099.35	2.0	5	1.16	0.00	_____
101B	A	120	x	120	-L- 253+50	2	S3x5.7	S	N/A	N/A	N/A	31.09	4.40	4.00	7.00	2.5	1.57	12.57	15.07	0.00	0.00	0.00	2.30	13.30	15.80	0.00	175.959	1.0	3	0.00	0.17	_____
102	B	90	x	48	-L- 256+00	2	S4x7.7	S	N/A	N/A	N/A	30.82	4.40	4.00	7.00	3.0	1.65	12.65	15.65	0.00	0.00	0.00	3.85	14.85	17.85	0.00	257.95	1.0	3.5	0.00	0.20	_____
103	B	90	x	48	-L- 256+00	2	S4x7.7	S	N/A	N/A	N/A	30.82	4.40	4.00	7.00	3.0	1.65	12.65	15.65	0.00	0.00	0.00	3.85	14.85	17.85	0.00	257.95	1.0	3.5	0.00	0.20	_____
104	A	78	x	66	-Y1- 13+90	1	W8x21	BA	N/A	N/A	N/A	15.00	0.00	5.50	7.00	3.0	0.00	0.00	0.00	2.73	15.23	18.23	0.00	0.00	0.00	455.83	0	2.0	3.5	0.41	0.00	_____
105A	B	114	x	30	-L- 272+00	2	W6x16	BA	N/A	1-R	N/A	20.00	5.86	10.00	7.00	4.5	1.79	18.79	23.29	0.00	0.00	0.00	2.76	19.76	24.26	854.80	0	1.5	5	0.65	0.00	_____
105B	A	120	x	120	-L- 272+00	2	W6x16	BA	N/A	N/A	N/A	20.00	5.86	10.00	7.00	4.5	1.79	18.79	23.29	0.00	0.00	0.00	2.76	19.76	24.26	854.80	0	1.5	5	0.65	0.00	_____
106	A	66	x	60	-Y1- 23+00	1	W6x16	BA	N/A	N/A	N/A	13.00	0.00	5.00	9.17	3.0	0.00	0.00	0.00	-2.17	12.00	15.00	0.00	0.00	0.00	287.00	0	1.5	3.5	0.23	0.00	_____
107	A	78	x	60	-Y1- 20+00	1	W6x16	BA	N/A	N/A	N/A	12.00	0.00	5.00	8.28	3.0	0.00	0.00	0.00	-1.28	12.00	15.00	0.00	0.00	0.00	287.00	0	1.5	3.5	0.23	0.00	_____
201	A	78	x	60	-L- 247+05	1	W6x16	BA	N/A	N/A	N/A	Δ	0.00	5.00	7.00	3.0	0.00	0.00	0.00	0.50	12.50	15.50	0.00	0.00	0.00	295.00	0	1.5	3.5	0.23	0.00	_____
202	A	78	x	60	-L- 263+85	1	W6x16	BA	N/A	N/A	N/A	Δ	0.00	5.00	7.00	3.0	0.00	0.00	0.00	0.50	12.50	15.50	0.00	0.00	0.00	295.00	0	1.5	3.5	0.23	0.00	_____
901	A	90	x	84	-Y1RPA 16+50	2	W6x9	BA	N/A	N/A	N/A	18.00	4.40	7.00	7.00	3.0	1.63	15.63	18.63	0.00	0.00	0.00	2.36	16.36	19.36	405.91	0	1.5	3.5	0.46	0.00	_____
902	A	90	x	72	-Y1RPA- 18+00	2	S4x7.7	BA	N/A	N/A	N/A	12.00	4.40	6.00	7.00	3.0	1.63	14.63	17.63	0.00	0.00	0.00	0.51	13.51	16.51	302.88	0	1.0	3.5	0.00	0.20	_____
													TOTAL			TOTAL			TOTAL				TOTAL									
													3183.42			1533.26			3.60				0.58									
													USE:			3184.00			1534.00				4.00		1.00							

WOOD SUPPORT CHART

Version: 3.2 Posted: 7/5/2023

NUMBER	SIGN TYPE	SIGN SIZE (in.)			ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			WOOD SUPPORT (LF)	FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		w	x	h									SNS HT "H"	MTG HT "C"	EMBED-MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH		
108	A	96	x	60	-L- 235+00	2	6in x 6in	S	N/A	N/A	18.00	4.69	5.00	7.00	5.25	2.01	14.01	19.26	0.00	0.00	0.00	4.35	16.35	21.60	40.86	_____
109	A	96	x	60	-L- 280+00	2	6in x 6in	S	N/A	N/A	18.00	4.69	5.00	7.00	5.25	2.96	14.96	20.21	0.00	0.00	0.00	4.75	16.75	22.00	42.21	_____
													TOTAL			TOTAL			TOTAL							
													83.07													
													USE:			84.00										

NOTES

- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.

TYPE 'A' & 'B' GROUND MOUNTED SIGNS

\$\$\$SYTIME\$\$\$
 \$\$\$DGN\$\$\$
 \$\$\$USERNAME\$\$\$