

# TYPE 'A' & 'B' GROUND MOUNTED SIGNS

TIP NO. R-2707E SHEET NO. SIGN-2

APPROVED: *Betsy L. Watson*

DATE: 4/27/2023

SEAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



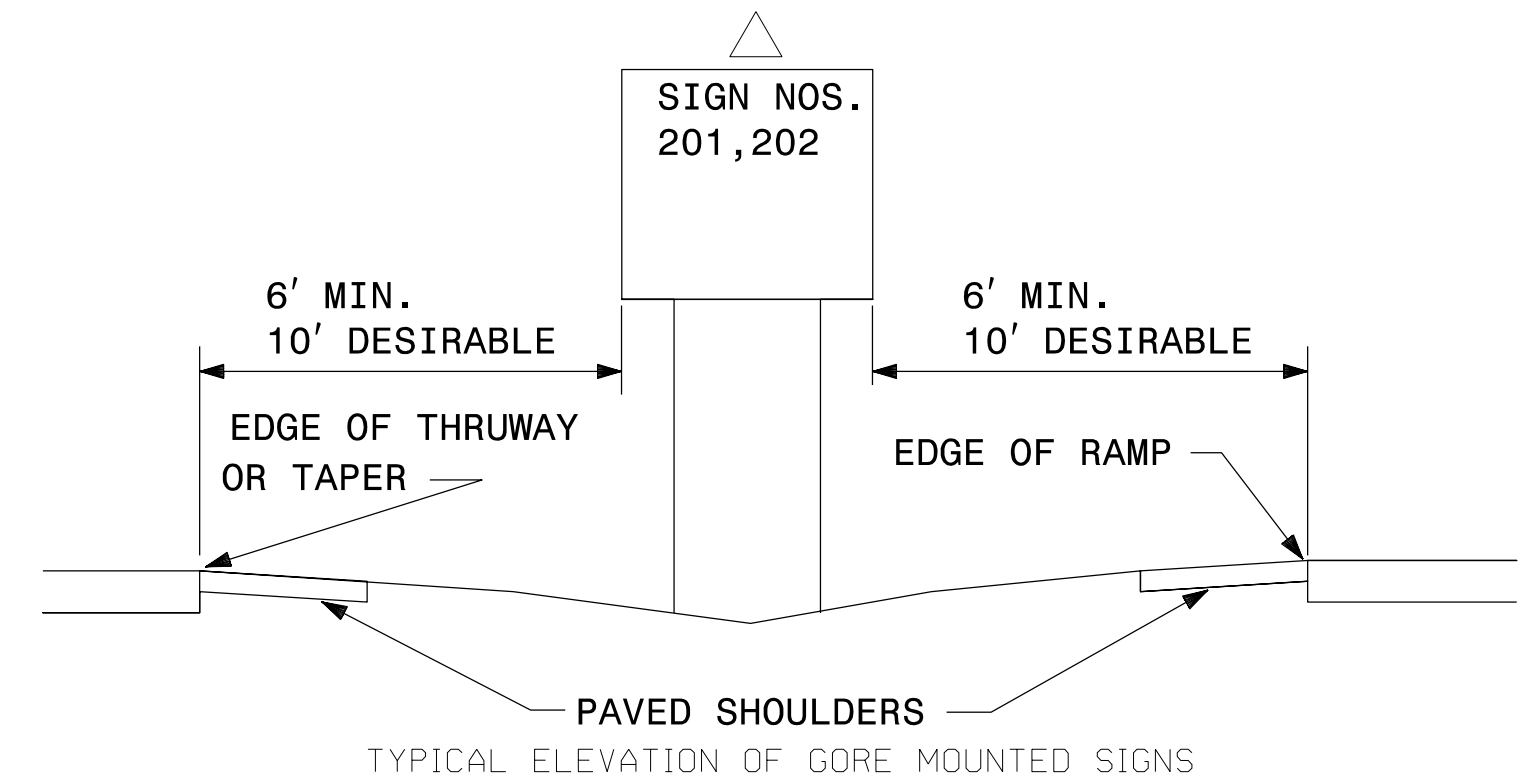
## SUPPORT CHART

Version: 3.1 Posted: 6/2/2017

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)
NUMBER	TYPE	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.)	
101	A	192	x	66	-L- 865+00	2	W6x12	S	N/A	N/A	N/A	18.00	9.38	5.50	7.00	3.5	3.96	16.46	19.96	0.00	0.00	0.00	5.73	18.23	21.73	0.00	500.28	1.5	4	0.52	0.00	
102	A	180	x	90	-L- 858+00	2	W6x16	S	N/A	N/A	N/A	18.00	8.79	7.50	7.00	4.0	3.97	18.47	22.47	0.00	0.00	0.00	4.72	19.22	23.22	0.00	731.04	1.5	4.5	0.59	0.00	
103	A	144	x	78	-Y42- 14+25	2	W6x9	S	N/A	N/A	N/A	14.00	7.03	6.50	7.00	3.0	1.08	14.58	17.58	0.00	0.00	0.00	2.84	16.34	19.34	0.00	332.28	1.5	3.5	0.46	0.00	
104	A	150	x	78	-Y42- 12+00	2	W6x9	S	N/A	N/A	N/A	14.00	7.33	6.50	7.00	3.0	1.10	14.60	17.60	0.00	0.00	0.00	2.93	16.43	19.43	0.00	333.27	1.5	3.5	0.46	0.00	
105	A	144	x	102	-SR6- 28+00	2	W6x16	BA	N/A	N/A	N/A	20.00	7.03	8.50	7.00	4.0	4.26	19.76	23.76	0.00	0.00	0.00	6.02	21.52	25.52	882.48	0	1.5	4.5	0.59	0.00	
106	A	78	x	72	-Y42RPC- 22+50	2	S4x7.7	BA	N/A	N/A	N/A	18.00	3.81	6.00	7.00	3.0	2.04	15.04	18.04	0.00	0.00	0.00	2.99	15.99	18.99	325.13	0	1.0	3.5	0.00	0.20	
107	A	156	x	114	-SR9- 19+00	2	W8x18	BA	N/A	N/A	N/A	14.00	7.62	9.50	7.00	4.0	3.36	19.86	23.86	0.00	0.00	0.00	7.17	23.67	27.67	1067.54	0	2.0	4.5	1.05	0.00	
108	A	144	x	102	-SR10- 14+00	2	W6x16	BA	N/A	N/A	N/A	20.00	7.03	8.50	7.00	4.0	4.02	19.52	23.52	0.00	0.00	0.00	5.78	21.28	25.28	874.80	0	1.5	4.5	0.59	0.00	
109	A	78	x	72	-Y42RPA- 21+00	2	S4x7.7	BA	N/A	N/A	N/A	18.00	3.81	6.00	7.00	3.0	1.93	14.93	17.93	0.00	0.00	0.00	2.87	15.87	18.87	323.36	0	1.0	3.5	0.00	0.20	
110	A	138	x	114	-SR7- 14+00	2	W6x16	S	N/A	N/A	N/A	14.00	6.74	9.50	7.00	4.0	3.56	20.06	24.06	0.00	0.00	0.00	6.93	23.43	27.43	0.00	823.84	1.5	4.5	0.59	0.00	
111A	B	132	x	30	-L- 927+00	3	W8x18	S	N/A	1-R	N/A	20.10	6.75	11.50	7.00	4.0	1.55	20.05	24.05	2.67	21.17	25.17	2.45	20.95	24.95	0.00	1335.06	2.0	4.5	1.57	0.00	
111B	A	228	x	138	-L- 927+00	3	W8x18	S	N/A	N/A	N/A	18.00	6.75	11.50	7.00	4.0	1.56	20.06	24.06	2.68	21.18	25.18	3.81	22.31	26.31	0.00	1359.9	2.0	4.5	1.57	0.00	
112A	B	132	x	30	-L- 951+50	3	W8x18	S	N/A	1-R	N/A	18.00	6.75	11.50	7.00	4.0	1.56	20.06	24.06	2.68	21.18	25.18	3.81	22.31	26.31	0.00	1359.9	2.0	4.5	1.57	0.00	
112B	A	228	x	138	-L- 951+50	3	W8x18	S	N/A	N/A	N/A	18.00	6.75	11.50	7.00	4.0	1.56	20.06	24.06	2.68	21.18	25.18	3.81	22.31	26.31	0.00	1359.9	2.0	4.5	1.57	0.00	
113	A	192	x	60	-L- 956+00	2	W6x12	BA	N/A	N/A	N/A	30.00	9.38	5.00	7.00	3.5	3.83	15.83	19.33	0.00	0.00	0.00	4.10	16.10	19.60	545.16	0	1.5	4	0.52	0.00	
114A	B	132	x	30	-L- 932+00	2	W8x21	BA	N/A	1-R	N/A	30.00	10.26	10.50	7.00	4.5	4.00	21.50	26.00	0.00	0.00	0.00	4.82	22.32	26.82	1255.22	0	2.0	5	1.16	0.00	
114B	A	210	x	126	-L- 932+00	2	W8x21	BA	N/A	N/A	N/A	30.00	10.26	10.50	7.00	4.5	4.00	21.50	26.00	0.00	0.00	0.00	4.82	22.32	26.82	1255.22	0	2.0	5	1.16	0.00	
115	A	138	x	102	-L- 975+50	2	W6x12	S	N/A	N/A	N/A	18.00	6.74	8.50	7.00	3.5	1.60	17.10	20.60	0.00	0.00	0.00	2.82	18.32	21.82	0.00	509.04	1.5	4	0.52	0.00	
116A	B	132	x	30	-L- 958+00	2	W8x18	BA	N/A	1-R	N/A	30.00	10.26	10.50	7.00	4.5	1.69	19.19	23.69	0.00	0.00	0.00	0.76	18.26	22.76	976.10	0	2.0	5	1.16	0.00	
116B	A	210	x	126	-L- 958+00	2	W8x18	BA	N/A	N/A	N/A	30.00	10.26	10.50	7.00	4.5	1.69	19.19	23.69	0.00	0.00	0.00	0.76	18.26	22.76	976.10	0	2.0	5	1.16	0.00	
117A	B	132	x	30	-L- 1001+00	3	W8x18	S	N/A	1-R	N/A	21.00	6.75	12.50	7.00	4.0	1.83	21.33	25.33	1.66	21.16	25.16	0.71	20.21	24.21	0.00	1344.6	2.0	4.5	1.57	0.00	
117B	A	228	x	150	-L- 1001+00	3	W8x18	S	N/A	N/A	N/A	21.00	6.75	12.50	7.00	4.0	1.83	21.33	25.33	1.66	21.16	25.16	0.71	20.21	24.21	0.00	1344.6	2.0	4.5	1.57	0.00	
118A	B	132	x	30	-L- 1035+00	3	W8x21	S	N/A	N/A	N/A	18.00	3.91	15.00	7.00	4.5	1.17	23.17	27.67	2.57	24.57	29.07	4.48	26.48	30.98	0.00	1842.12	2.0	5	1.75	0.00	
118B	A	228	x	150	-L- 1035+00	3	W8x21	S	N/A	N/A	N/A	18.00	3.91	15.00	7.00	4.5	1.17	23.17	27.67	2.57	24.57	29.07	4.48	26.48	30.98	0.00	1842.12	2.0	5	1.75	0.00	
119A	B	132	x	30	-L- 1087+50	3	W6x16	BA	N/A	N/A	N/A	20.00	3.91	13.50	7.00	4.5	0.95	21.45	25.95	1.30	21.80	26.30	2.16	22.66	27.16	1411.56	0	1.5	5	0.98	0.00	
119B	A	216	x	132	-L- 1087+50	3	W6x16	BA	N/A	N/A	N/A	20.00	3.91	13.50	7.00	4.5	0.95	21.45	25.95	1.30	21.80	26.30	2.16	22.66	27.16	1411.56	0	1.5	5	0.98	0.00	
120	A	138	x	66	-L- 1070+00	2	W6x9	BA	N/A	N/A	N/A	25.00	6.74	5.50	7.00	3.0	1.95	14.45	17.45	0.00	0.00	0.00	3.25	15.75	18.75	389.80	0	1.5	3.5	0.46	0.00	
121A	B	132	x	30	-L- 1059+00	3	W6x16	BA	N/A	N/A	N/A	25.00	3.91	13.50	7.00	4.5	1.10	21.60	26.10	0.90	21.40	25.90	0.41	20.91	25.41	1379.56	0	1.5	5	0.98	0.00	
121B	A	216	x	132	-L- 1059+00	3	W6x16	BA	N/A	N/A	N/A	25.00	3.91	13.50	7.00	4.5	1.10	21.60	26.10	0.90	21.40	25.90	0.41	20.91	25.41	1379.56	0	1.5	5	0.98	0.00	
201	A	96	x	60	-L- 881+25	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17	
202	A	96	x	60	-L- 902+00	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17	
203	A	96	x	60	-L- 1006+95	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17	
204	A	96	x	60	-L- 1028+72	2	S3x5.7	BA	N/A	N/A	N/A	Δ	4.69	5.00	7.00	2.5	0.50	12.50	15.00	0.00	0.00	0.00	0.50	12.50	15.00	207.00	0	1.0	3	0.00	0.17	
														TOTAL			TOTAL		TOTAL				TOTAL									
														10258.71			10953.55		18.84				1.11									
														USE:					19.00				2.00									
														10259.00			10954.00															

**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\$\$\$\$\$