Docusign Envelope ID: CD3A8513-5B38-4011-B7B4-4622B35924EE

Kimley > Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, N.C. 27601. NC LICENSE #F-0102

	T	IP NO.	SHEET NO.							
rn	U	J – 5760	SIGN-2							
©2020	APPROVED: EJL									
0102	DATE:	12/3/24	<u> </u>							
	SEAL									
		The CAROLINATION OF BOOKSHOOD BY								

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TYPE 'A' AND 'B' GROUND MOUNTED SIGNS

SUPPORT CHART

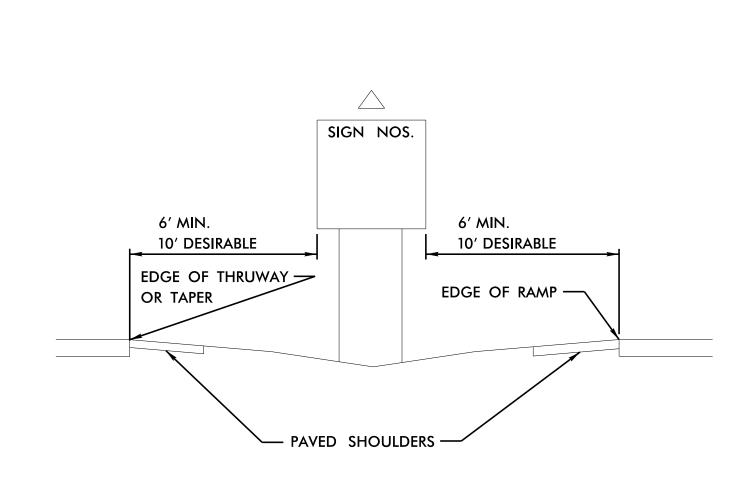
Version: 3.2		Posted:	7/5/2023																												
													1															FO	FIELD		
	SIG	N			NUMBER		SUPPORT				HORIZONTAL			LENGTH	(ft)										SUPPORT	WEIGHTS					VERIFIED
		SIZE	(in.)	ROADWAY	OF	BEAM	TYPE	OMNI	ATTACHMENT	MOUNTING	CLEARANCE*	SUPPORT	SNS HT	MTG HT	EMBED-	LEF*	SUPPOR	RT (ft)	CENT	TER SUPP	PORT (ft)	RIGH	IT SUPPO	PRT (ft)	B/A	SIMPLE	DIAMETER	DEPTH	REINFORCE	D PLAIN	SEE NOTE 2
NUMBER	TYPE	w	(h	STATION	SUPPORTS	SECTION	BA or S	COUPLER	METHOD	METHOD	(ft.)	SPACING	"H"	"C"	MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	(lbs.)	(lbs.)	(ft.)	(ft.)	(c.y.)	(c.y.)	(mm/dd/yy)
101	Α	120 x	96	-L- 21+50	2	S4x7.7	BA	N/A	N/A	N/A	12.00	5.86	8.00	7.81	3.5	-0.69	15.12	18.62	0.00	0.00	0.00	-0.81	15.00	18.50	325.80	0	1.0	4	0.00	0.23	
102	Α	132 x	144	-L- 34+00	2	W6x16	BA	N/A	N/A	N/A	12.00	6.45	12.00	7.00	4.0	0.00	19.00	23.00	0.00	0.00	0.00	1.61	20.61	24.61	855.76	0	1.5	4.5	0.59	0.00	
103	Α	120 x	96	-L- 32+00	2	W6x9	BA	N/A	N/A	N/A	12.00	5.86	8.00	7.00	3.0	0.26	15.26	18.26	0.00	0.00	0.00	2.60	17.60	20.60	413.74	0	1.5	3.5	0.46	0.00	
104	Α	132 x	144	-L- 19+50	2	W6x16	BA	N/A	N/A	N/A	12.00	6.45	12.00	10.44	4.0	-1.29	21.15	25.15	0.00	0.00	0.00	-3.44	19.00	23.00	864.38	0	1.5	4.5	0.59	0.00	
105	Α	180 x	72	-Y1- 62+00	2	W6x12	BA	N/A	N/A	N/A	30.00	8.79	6.00	7.74	3.5	1.45	15.19	18.69	0.00	0.00	0.00	-0.74	13.00	16.50	500.28	0	1.5	4	0.52	0.00	
106	В	144 x	42	-Y1- 41+50	2	S4x7.7	BA	N/A	N/A	N/A	20.00	7.03	3.50	7.00	3.0	1.59	12.09	15.09	0.00	0.00	0.00	2.77	13.27	16.27	281.47	0	1.0	3.5	0.00	0.20	
107	Α	180 x	120	-Y1- 80+50	2	W8x18	BA	N/A	N/A	N/A	20.00	8.79	10.00	7.00	4.0	3.48	20.48	24.48	0.00	0.00	0.00	7.01	24.01	28.01	1084.82	0	2.0	4.5	1.05	0.00	
108	Α	180 x	120	-Y1- 72+50	2	W8x18	BA	N/A	N/A	N/A	30.00	8.79	10.00	9.97	4.0	1.43	21.40	25.40	0.00	0.00	0.00	-2.97	17.00	21.00	975.20	0	2.0	4.5	1.05	0.00	
109	Α	180 x	120	-Y1- 85+50	2	W6x16	BA	N/A	N/A	N/A	30.00	8.79	10.00	7.00	4.0	2.23	19.23	23.23	0.00	0.00	0.00	1.43	18.43	22.43	824.56	0	1.5	4.5	0.59	0.00	·
201A	Α	90 x	60	-Y1- 52+30	2	S4x7.7	ВА	N/A	N/A	N/A	Λ	4.40	7.00	7.00	3.0	1.05	15.05	18.05	0.00	0.00	0.00	1.49	15.49	18.49	321.36	0	1.0	3.5	0.00	0.20	
201B	В	90 x	24	-1 1- 32+30		34X1.1	BA	IN/A	N/A	II	Δ	4.40	7.00	7.00	3.0	1.05	15.05	10.05	0.00	0.00	0.00	1.48	15.49	10.49	321.30		1.0	3.5	0.00	0.20	
202A	Α	90 x	60	-Y1- 58+90	2	S4x7.7	BA	N/A	N/A	N/A	Δ	4.40	7.00	7.00	3.0	1.63	15.63	18.63	0.00	0.00	0.00	2.70	16.70	19.70	335.14	0	1.0	3.5	0.00	0.20	
202B	В	90 x	24	-11-30-90		34X1.1	64	IN/A	N/A	l II	Δ	4.40	7.00	7.00	3.0	1.03	15.65	10.03	0.00	0.00	0.00	2.70	10.70	19.70	333.14		1.0	3.3	0.00	0.20	

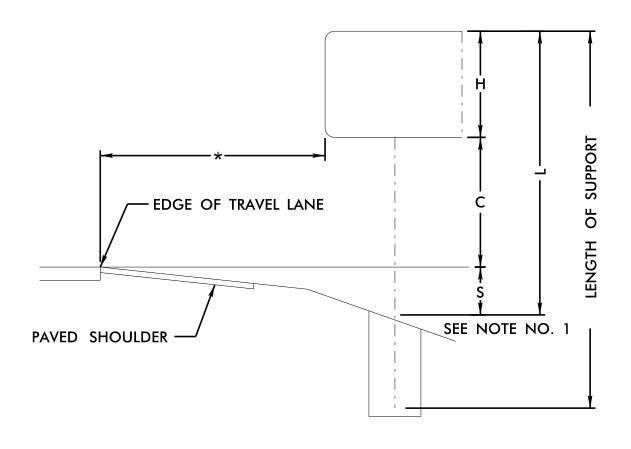
TOTAL TOTAL TOTAL TOTAL TOTAL 6782.51 0.00 4.84 0.84

USE: 6783.00 0.00 5.00 1.00

NOTES:

- 1. DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
- 2. FIELD VERIFICATION 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.
- 3. 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.
- 4. IF GROUNDWATER IS ENCOUNTERED AT A DEPTH SHALLOWER THAN 7 FEET, THE SIGN FOUNDATION MUST BE REDESIGNED BASED UPON THE ACTUAL FIELD CONDITIONS. THE FOUNDATION DESIGN DOES NOT APLLY TO VERY SOFT OR LOOSE SOIL, MUCK, WEATHERED ROCK, OR HARD ROCK.





TYPICAL ELEVATION
GROUND MOUNTED SIGNS

TYPE 'A' AND 'B'
GROUND MOUNTED SIGNS

K:\RAL_Roadway\011036312 - U-5760 Big Mill Farm Road\Signing and Delineation\Pl

4/2025