

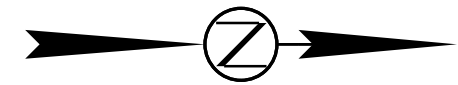
SECTION S: PERMANENT SIGN PLANS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-CR 0037(158)126	S1	S15

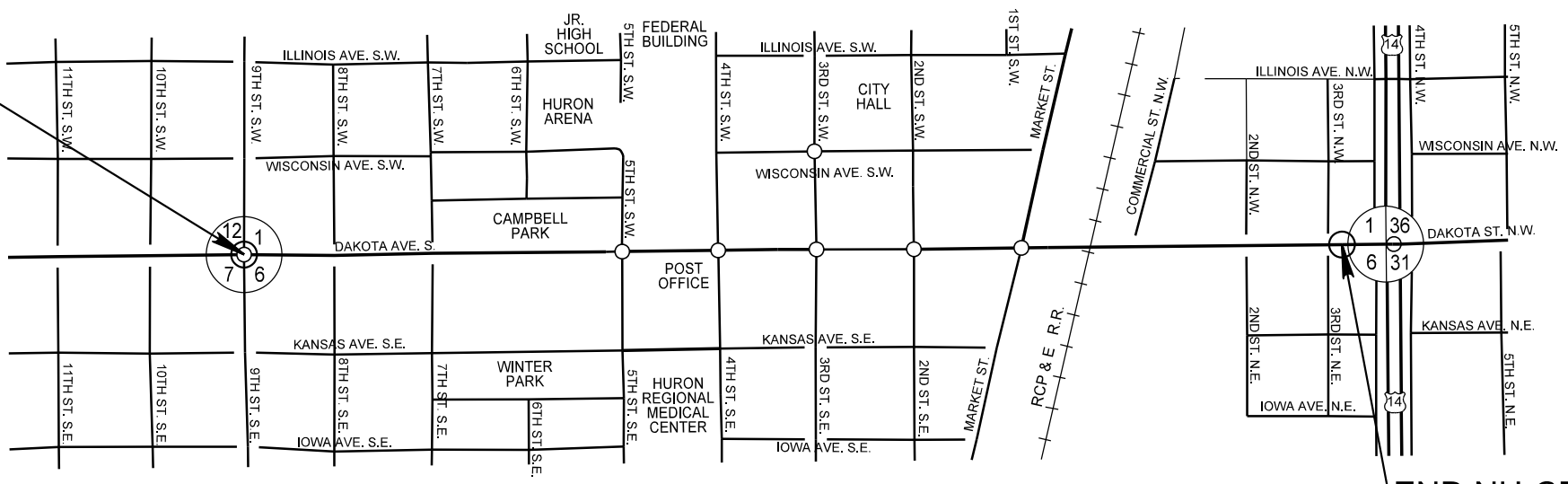
Plotting Date: 01/03/2024

INDEX OF SHEETS

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- S2-S3 Estimate of Quantities and Plan Notes
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BEGIN NH-CR 0037(158)126
Station 9+32.27



END NH-CR 0037(158)126
Station 58+84.30

HURON

Plot Scale - 1:200

Plotted From - TRAB10100

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SECTION S – ESTIMATE OF QUANTITIES – PCN 06A2

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-CR 0037(158)126	S2	S15

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BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0130	Remove Traffic Sign	95	Each
632E1320	2.0"x2.0" Perforated Tube Post	332.0	Ft
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	398.4	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	71.4	SqFt

GENERAL PERMANENT SIGNING

New sign installations will be staked in the field by the Contractor and checked by the Engineer. The Contractor will give the Engineer a minimum of one week to check staked locations prior to signpost installation. Lateral offset of signs will be as shown in the plans or as directed by the Engineer.

The Contractor will be responsible for contacting South Dakota One Call to locate the utilities at the staked sign installation locations.

When signs are mounted in an assembly, they will be 1-2 inches apart vertically and horizontally.

The height of the post must not exceed the minimum height needed by more than 0.5 feet. Any portion that extends above the sign will be cut off. No separate payment will be made for cutting the post or for that length cut off.

Aluminum U-Channel stiffeners will be used on all signs 36 inches or greater in width and will conform to ASTM B221 Alloy 6063-T6 or 6061-T6. The U-Channel will be 2 inches in width and free of holes. The U-Channel stiffeners will also be used to connect various signs together so that an entire sign assembly can be erected on a single installation. Stiffeners may be fastened to signs by use of 1/4-inch diameter drive rivets.

The Contractor will use 3/8-inch diameter rust proof machine sign bolts, flat metal washers, neoprene washers (against the sign sheeting), lock washers, and nuts to fasten the sign to the channel aluminum and posts. A minimum of two bolts will extend through each post.

Prior to ordering signs, the Contractor will verify dimensions, background, border, and legend of the signs.

Prior to use, the Contractor will provide documentation for the sign support devices showing they meet the applicable NCHRP 350 or MASH requirements.

REMOVE TRAFFIC SIGN

Existing signs that are shown as being removed in the Permanent Signing Table will become the property of the Contractor. Existing signposts and bases will be removed in their entirety. All existing signs, posts, and/or hardware removed will not be reused. Holes remaining from the removal of wood posts will be backfilled and compacted with material placed in layers not to exceed 6 inches in depth.

All costs associated with the removal of existing signs, posts, hardware, and backfilled holes will be incidental to the contract unit price per each for "Remove Traffic Sign". Quantities will be per assembly at the contract unit price per each.

REMOVE SIGN FOR RESET AND RESET SIGN

Any 911 Emergency Number signs within the project work limits will not be stockpiled but temporarily repositioned at a location outside the work limits but within the immediate proximity of the existing location. To complete the project sign work, the 911 Emergency Number signs will be permanently installed at their original locations, or as near as practicable where entrances have been reconfigured by the project. The existing supports will be reused. Cost for removing and temporarily repositioning 911 Emergency Number signs will be incidental to various contract items.

NEW PERMANENT SIGNING

All signs will be manufactured in accordance with the sheeting manufacturer's recommendations utilizing a matched component system, including inks, electronic cuttable films, and protective overlay films.

All Flat Aluminum Signs, Nonremovable Copy High Intensity will have sheeting in conformance with the requirements of ASTM D4956 Type IV. All Flat Aluminum Signs, Nonremovable Copy Super/Very High Intensity will have sheeting in conformance with the requirements of ASTM D4956 Type XI.

All costs associated with furnishing and installing the new permanent signs, and with furnishing and installing stiffeners and hardware will be incidental to the contract unit price per square foot for "Flat Aluminum Sign, Nonremovable Copy High Intensity" or "Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity".

DIGITALLY PRINTED SIGNS

Digitally printed signs will be allowed on this project. If the Contractor elects to provide digitally printed signs, such signs will adhere to the following specifications.

PROTECTIVE OVERLAY FILM

Permanent traffic signs printed with digital ink systems will be fabricated with a full sign protective overlay film designed to provide a smooth surface needed for retroreflectivity, and to protect the sign from fading and UV degradation. The overlamine will comply with the retroreflective sheeting manufacturer's recommendations to ensure proper adhesion and transparency and will also meet the reflective film durability as identified in Table 1.

Table 1: Retroreflective Film Minimum Durability Requirements

ASTM D4956 Type	Full Sign Replacement Term (years)	Sheeting Replacement Term (years)
I	0	7
III	7	10
IV	7	10
VIII	7	10
IX	7	12
XI	7	12

FABRICATION

Retroreflective sheeting will be applied to a properly cleaned and prepared aluminum sign blank in accordance with the retroreflective sheeting manufacturer's recommendations. Sign legend will be applied using digital print technologies and systems in accordance with the retroreflective sheeting manufacturer's recommendations and the requirements of these plans.

Finished signs will be free of ragged edges and must be supplied clean and free of scratches, grease, oil, lubricants or other contaminants. Minor blemishes (dirt speck, dust, etc.) may settle on the fresh ink surface or become entrapped between the sheeting surface and transparent overlay film due to static charge within the sign shop environment. Any blemish must be minor and not interfere with the communication of the sign message to the motorist. The blemish must not be visible to the naked eye when viewed from 30 feet or greater.

After application of the retroreflective sheeting, sign blanks will be stacked and packaged face to face, back to back, and protected in accordance with the sheeting manufacturer's recommendations. Finished signs will be securely packaged to prevent damage during transit or storage according to the sheeting manufacturer's recommendations.

TRAFFIC SIGN PERFORMANCE WARRANTY PROVISIONS

Based on the ASTM Type of sheeting specified, traffic control signs will be warranted for the duration shown in Table 1. Full product terms and conditions are as established by each sheeting manufacturer and may contain certain limitations based on sheeting and ink colors, and geographic exposure of the sign. A copy of the warranty document with complete details of terms and conditions will be supplied if requested by the Engineer.

CERTIFIED DIGITAL SIGN FABRICATOR

Sign fabricators using digital imaging methods to produce regulated traffic signs must be certified by the reflective sheeting manufacturer whose materials are used to produce the delivered signs.

DATE TAGGING SIGNS WITH PERTINENT INFORMATION

All digitally printed signs are required to be date-tagged with the following 2 components:

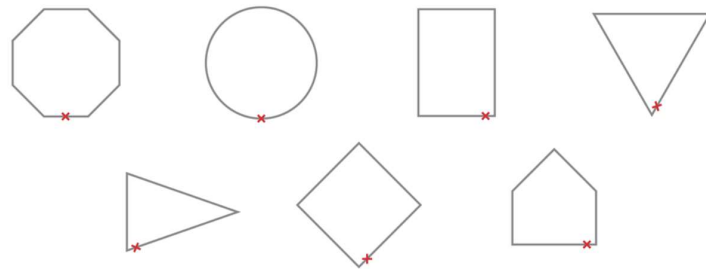
1. Date tags on the back of signs
Tags will have the following information and be fabricated with material and printing system that are as durable as the warranted sign.
 - Name of Sign Fabricator
 - Date the sign was fabricated (month and year)
 - Process that was used for sign fabrication (digitally printed)
 - Supplier of sheeting that was used for fabricating the sign.

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DIGITALLY PRINTED SIGNS (CONTINUED)

2. Border date

The month and year (mm/yyyy) of sign fabrication will be printed in the border of the sign in 3/8" sans serif font. Border date will be printed with the same warranted printed system as the sign face. The date should be printed in the locations indicated below.



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SQUARE TUBE ANCHOR SLEEVE

The Contractor will furnish and install new 2.5" x 2.5" x 18", 12 Gauge square tube anchor sleeve or equivalent components as approved by the Engineer for 2.0" x 2.0" perforated tube posts. A 2.25" x 2.25" x 4', 12 Gauge perforated tube post will be used as the anchor post for installation with the square tube anchor sleeve.

OVERHEAD AND POLE MOUNTED SIGNS

The Contractor will install the new overhead signs with new connection hardware and mast arm mounting hardware.

Signs that are mounted on luminaire and signal poles and on signal mast arms will be attached with high strength stainless steel bands or galvanized pole clamps. Signs will be attached as recommended by the manufacturer. All sign mounting hardware will be stainless steel or galvanized steel.

Pole mounted signs will be mounted a minimum of 7 ft above the ground. Mounting heights are measured to the bottom of the signs.

All costs for pole and mast arm sign mounting hardware will be incidental to the contract unit price per square foot for "Flat Aluminum Sign, Nonremovable Copy High Intensity" or "Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity".

SIGNPOST INSTALLATION IN CONCRETE

On concrete surfaces, a core will be drilled out (for installation in existing concrete) OR a block out will be used (for installation in new concrete) for sign installation. The core or block out diameter will be sized accordingly depending on post size. Concrete surrounding the core or block out must not be cracked or damaged.

All costs associated with installation in concrete will be incidental to the sign installation.

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Corridor Signing Permanent Sign Installation Table for SD 37 in Huron from 9th St. S to 3rd St. N

Station (Ft)	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
9+90.80	Lt.	Splash Central Waterpark -->	D1-3	36	42	10.5		12	1	1	N	Telespar	Replace Existing Sign with New Sign on New Post
12+49.5	Lt.	Center Turn Lane	R3-9b	24	36	6.0				1	N	Light Pole	Replace Existing Sign with New Sign on Light Pole
12+77.50	Lt.	Stop	R1-1	30	30		5.2	12	1	1	W	Telespar	Replace Existing Signs with New Signs on New Post
		Dakota Ave (Two Signs)	D3-1	36	12	6.0	1			E/W			
		8 th St SW (Two Signs)	D3-1	30	12	5.0	1			N/S			
13+15.33	Rt.	Stop	R1-1	30	30		5.2	12	1	1	E	Telespar	Replace Existing Signs with New Signs on New Post
		Dakota Ave (Two Signs)	D3-1	36	12	6.0	1			E/W			
		8 th St SE (Two Signs)	D3-1	30	12	5.0	1			N/S			
14+62.0	Rt.	Center Turn Lane	R3-9b	24	36	6.0				1	S	Light Pole	Replace Existing Sign with New Sign on New Post
16+69.0	Lt.	Center Turn Lane	R3-9b	24	36	6.0				1	N	Light Pole	Replace Existing Sign with New Sign on New Post
17+18.36	Lt.	Stop	R1-1	30	30		5.2	10	1	1	W	Telespar	Replace Existing Signs with new signs on New Post
		Dakota Ave (Two Signs)	D3-1	36	12	6.0	1			E/W			
		7 th St SW (Two Signs)	D3-1	30	12	5.0	1			N/S			
17+55.79	Rt.	Stop	R1-1	30	30		5.2	10	1	1	E	Telespar	Replace Existing Signs with new signs on New Post
		Dakota Ave (Two Signs)	D3-1	36	12	6.0	1			E/W			
		7 th St SE (Two Signs)	D3-1	30	12	5.0	1			N/S			
18+38.30	Rt.	Speed Limit 30 MPH	R2-1	24	30	5.0				1	S	Light Pole	Replace Existing Signs with New Signs on Light Pole
		No Parking Symbol	R8-3A	24	24	4.0			1				
21+42.1	Lt.	Speed Limit 30 MPH	R2-1	24	30	5.0				1	N	Light Pole	Replace Existing Signs with New Signs on Light Pole
		No Parking Symbol	R8-3A	24	24	4.0			1				
24+33.77	Lt.	Begin Plaque	R3-9cP	30	12	2.5		12	1	1	N	U-Channel	Replace Existing Signs with New Signs on New Post
		Center Turn Lane	R3-9b	24	36	6.0				1			
22+41.1	Rt.	Arena ←---	D1-2	24	18	3.0				1	S	Light Pole	Replace Existing Signs with New Signs on Light Pole
		Right Lane Must Turn Right	R3-7R	36	30	7.5						None	Place New Sign on Light Pole
25+33.78	Rt.	End Plaque	R3-9dP	30	12	2.5		12	1	1	S	Telespar	Replace Existing Signs with New Signs on New Post.
		Center Turn Lane	R3-9b	24	36	6.0				1			
25+63.95	Mast Arm	5 th ST S	D3-1	30	12	2.5				1	N	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
25+99.75	Rt.	DAKOTA AVE	D3-1	36	12	3.0				1	W	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
26+21.38	Lt.	DAKOTA AVE	D3-1	36	12	3.0				1	E	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
26+50.01	Mast Arm	5 th ST S	D3-1	30	12	2.5				1	N	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm

Corridor Signing Permanent Sign Installation Table for SD 37 in Huron from 9th St. S to 3rd St. N

Revised 01/03/2024 AT

Station (Ft)	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
27+04.5	Rt.	3 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5				1	S	Flag Pole	Replace Existing Sign with New Sign on Light Pole
27+90.8	Lt.	3 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5				1	N	Telespar	Replace Existing Sign with New Sign and Place New Sign on Light Pole
28+70.3	Rt.	12 MIN PARKING 8 AM TO 5 PM	R7-108	12	18	1.5				1	S	Telespar	Replace Existing Signs with New Signs on Light Pole
		DRIVEWAY TO CORNER		12	12	1.0				1			
29+13.0	Lt.	Arena -->	D1-2	24	18	3.0		9	1		N		Place New Sign Shared Post
		3 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5				1		Telespar	Replace Existing Sign with New Sign on New Post
29+92.68	Mast Arm	4 th ST ^S	D3-1	30	12	2.5				1	N	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
		Hospital Symbol	D9-2	30	30	6.3				1			
		Horizontal Left Arrow	M6-1L	30	21	4.4				1			
		Pyle House Museum <--	2M-2	30	42	8.8				1			
30+20.95	Rt.	DAKOTA ^{AVE}	D3-1	36	12	3.0				1	W	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
30+43.40	Lt.	DAKOTA ^{AVE}	D3-1	36	12	3.0				1	E	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
30+87.72	Mast Arm	4 th ST ^S	D3-1	30	12	2.5				1	S	Mast Arm	Replace Existing Signing with New Signs on Mast Arm
		Hospital Symbol	D9-2	30	30	6.3				1			
		Horizontal Right Arrow	M6-1R	30	21	4.4				1			
		Pyle House Museum -->	2M-2	30	42	8.8				1			
31+24.9	Rt.	2 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole
32+36.6	Lt.	Arena -->	D1-2	24	18	3.0				1	N	Light Pole	Replace Existing Sign with New Sign on Light Pole
		2 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5				1	N		
33+45.3	Rt.	2 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole
33+83.04	Lt.	2 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5		7	1	1	N	Telespar	Replace Existing Sign with New Sign on New Post
34+24.17	Mast Arm	3 rd ST ^S	D3-1	30	12	2.5				1	N	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
34+60.35	Rt.	DAKOTA ^{AVE}	D3-1	36	12	3.0				1	W	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
34+99.39	Lt.	DAKOTA ^{AVE}	D3-1	36	12	3.0				1	E	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
35+30.47	Mast Arm	3 rd ST ^S	D3-1	30	12	2.5				1	N	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
36+23.92	Lt.	2 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5		7	1	1	N	Telespar	Replace Existing Sign with New Sign on New Post
36+48.9	Rt.	2 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole

Corridor Signing Permanent Sign Installation Table for SD 37 in Huron from 9th St. S to 3rd St. N

Revised 01/22/2024 AT

Station (Ft)	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
37+21.9	Lt.	2 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5				1	N	Light Pole	Replace Existing Sign with New Sign on Light Pole
37+35.92	Rt.	2 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5		7	1	1	S	Telespar	Replace Existing Sign with New Sign on New Post
38+92.70	Lt.	Stop	R1-1	30	30		5.2	12	1	1	W	Telespar	Replace Existing Sign with New Sign on New Post.
		Dakota Ave (Two Signs)	D3-1	36	12	6.0	1			E/W			
		2 nd St SW (Two Signs)	D3-1	30	12	5.0	1			N/S			
39+47.36	Rt.	Stop	R1-1	30	30		5.2	12	1	1	E	Telespar	Replace Existing Sign with New Sign on New Post.
		Dakota Ave (Two Signs)	D3-1	36	12	6.0	1			E/W			
		2 nd St SE (Two Signs)	D3-1	30	12	5.0	1			N/S			
39+83.70	Lt.	Reserved Parking Handicapped Symbol State Permit or License Required \$100 Minimum Fine and Class 2 Misdemeanor for Violators		12	24	2.0		8	1		N	Telespar	Place New Signs on New Post
40+07.10	Rt.	Reserved Parking Handicapped Symbol State Permit or License Required \$100 Minimum Fine and Class 2 Misdemeanor for Violators		12	24	2.0		8	1		S	Telespar	Place New Signs on New Post
40+39.7	Rt.	3 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5				1	S	Telespar	Replace Existing Sign with New Sign on Light Pole
41+50.0	Lt.	3 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5		7	1	1	N	Light Pole	Replace Existing Sign with New Sign on Light Pole
41+15.7	Rt.	3 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5				1	S	Light Pole	Replace Existing Sign with New Sign on Light Pole
42+28.0	Lt.	3 HR PARKING 8 AM TO 5 PM	R7-108	12	18	1.5		7	1	1	N	Light Pole	Replace Existing Sign with New Sign on New Post
43+72.38	Mast Arm	MARKET ST	D3-1	36	12	3.0				1	N	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
44+11.77	Rt.	DAKOTA AVE	D3-1	36	12	3.0				1	W	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
44+37.68	Lt.	DAKOTA AVE	D3-1	36	12	3.0				1	E	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
44+36.61	Mast Arm	MARKET ST	D3-1	36	12	3.0				1	S	Mast Arm	Replace Existing Signs with New Signs on Traffic Signal Mastarm
44+98.62	Lt.	Reserved Parking Handicapped Symbol State Permit or License Required \$100 Minimum Fine and Class 2 Misdemeanor for Violators		12	24	2.0		8	1		N	Telespar	Place New Signs on New Post
45+50.0	Rt.	Center Turn Lane	R3-9b	24	36	6.0		12	1	1	S	Light Pole	Replace Existing Sign with New Sign on New Post
45+69.63	Rt.	Railroad Advance Warning	W10-1	36	36		7.1	11	1	1	S	Telespar	Replace Existing Sign with New Sign on New Post
45+88.0	Lt.	Right Lane Must Turn Right	R3-7R	36	30	7.5		12	1		S	None	New Sign on New Post
47+84.0	Rt.	Speed Limit 30 MPH	R2-1	24	30	5.0				1	S	Light Pole	Replace Existing Signs with New Signs on Light Pole
		No Parking Symbol	R8-3A	24	24	4.0	1			S			
47+91.60	Lt.	Railroad Advance Warning	W10-1	36	36		7.1	11	1	1	N	Telespar	Replace Existing Sign at 127.00 + 0.530 with New Sign on New Post at 127.00 + 0.444 within Length of RR Crossing Pavement Markings

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Corridor Signing Permanent Sign Installation Table for SD 37 in Huron from 9th St. S to 3rd St. N

Station (Ft)	Side of Road	Description	Sign Code	Width (Inches)	Height (Inches)	Flat Aluminum Sign, Nonremovable Copy High Intensity (SqFt)	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity (SqFt)	2.0"x2.0" Perforated Tube Post 12 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
49+28.96	Lt.	Stop	R1-1	30	30		5.2	12	1	1	W	Telespar	Replace Existing Sign with New Sign on New Post.
		Dakota Ave (Two Signs)	D3-1	36	12	6.0				1	E/W		
		Commercial St (Two Signs)	D3-1	48	12	8.0				1	N/S		
49+87.50	Lt.	Reserved Parking Handicapped Symbol State Permit or License Required \$100 Minimum Fine and Class 2 Misdemeanor for Violators		12	24	2.0					N	Light Pole	Place New Signs on Light Pole
51+70.10	Rt.	Center Turn Lane	R3-9b	24	36	6.0					S		Replace Existing Sign with New Sign on Light Pole
53+34.15	Lt.	Center Turn Lane	R3-9b	24	36	6.0				1	N	Light Pole	Replace Existing Sign with New Sign on Light Pole
54+16.94	Lt.	Stop	R1-1	30	30		5.2	12	1	1	W	Telespar	Replace Existing Sign with New Sign on New Post.
		Dakota Ave (Two Signs)	D3-1	36	12	6.0				1	E/W		
		2 nd St NW (Two Signs)	D3-1	30	12	5.0				1	N/S		
54+60.07	Rt.	Stop	R1-1	30	30		5.2	12	1	1	E	Telespar	Replace Existing Sign with New Sign on New Post.
		Dakota Ave (Two Signs)	D3-1	36	12	6.0				1	E/W		
		2 nd St NE (Two Signs)	D3-1	30	12	5.0				1	N/S		
55+03.70	Rt.	Reserved Parking Handicapped Symbol State Permit or License Required \$100 Minimum Fine and Class 2 Misdemeanor for Violators		12	24	2.0		8	1		S	Telespar	Place New Signs on New Post
55+08.06	Rt.	Junction	M2-1	21	15	2.2		1	1	1	S	Light Pole	Replace Existing Signs with New Signs on New Post
		US 14	M1-4	24	24	4.0				1			
56+87.3	Lt.	Speed Limit 30 MPH	R2-1	24	30	5.0					N		Replace Existing Sign with New Signs on Light Pole
57+46.57	Rt.	^ To US 212 <-- Miller De Smet -->	D1-3	60	42	17.5		26	2	1	S	Telespar	Place Signs with New Signs on New Post
57+69.22	Lt.	Begin Plaque	R3-9cP	30	12	2.5		12	1		N	Telespar	Place New Signs on New Post
		Center Turn Lane	R3-9b	24	36	6.0							
57+87.49	Lt.	Stop	R1-1	30	30		5.2	12	1	1	W	Telespar	Replace Existing Signs with New Signs on New Post
		Dakota Ave (Two Signs)	D3-1	36	12	6.0				1	E/W		
		3 rd St NW (Two Signs)	D3-1	30	12	5.0				1	N/S		
58+33.27	Rt.	Stop	R1-1	30	30		5.2	12	1	1	E	Telespar	Replace Existing Signs with New Signs on New Post
		Dakota Ave (Two Signs)	D3-1	36	12	6.0				1	E/W		
		3 rd St NE (Two Signs)	D3-1	30	12	5.0				1	N/S		
58+47.37	Rt.	No Parking Symbol	R8-3A	24	24	4.0		7	1	1	S	Light Pole	Replace Existing Sign with New Sign on New Post
						TOTAL	398.4	71.4	332.0	33	95		

Corridor Signing Sign Summary for SD 37

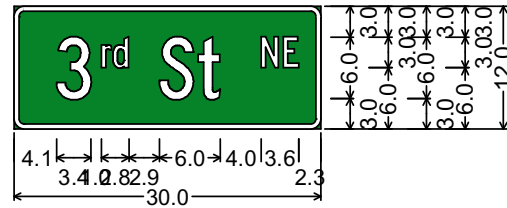
Sign Code	Description	Width (Inches)	Height (Inches)	Sq. Ft.	Quantity	Flat Aluminum Sign, Nonremovable Copy High Intensity (SQFT)	Flat Aluminum Sign, Nonremovable Copy Super or Very High Intensity (SQFT)	Text / Background
	Arena	24	18	3.0	3	9.0		White on Green
	Splash Central Waterpark	36	42	10.5	1	10.5		White on Green
	Pyle House Museum	30	42	8.8	2	17.5		White on Brown
	DRIVEWAY TO CORNER	12	12	1.0	1	1.0		Green on White
	Reserved Parking Handicapped Sign State Permit or License Required \$100 Minimum Fine and Class 2 Misdemeanor for Violators	12	24	2.0	5	10.0		Green on White
D3-1	TO US 212/ Miller / De Smet	60	42	17.5	1	17.5		White on Green
D3-1	Numbered Street Signs	30	12	2.5	26	65.0		White on Green
D3-1	Street Signs Commercial St (Two Signs for Each)	48	12	4.0	2	8.0		White on Green
D3-1	Street Signs MARKET ST	36	12	3.0	2	6.0		White on Green
D3-1	Street Signs Dakota Ave (Two Signs for Each)	36	12	3.0	22	66.0		White on Green
D3-1	Street Signs DAKOTA AVE	36	12	3.0	8	24.0		White on Green
D9-2	Hospital Symbol	30	30	6.3	2	12.5		White on Blue
M1-4	US 14	24	24	4.0	1	4.0		Black on White
M2-1	Junction Marker	21	15	2.2	1	2.2		Black on White
M6-1L	Horizontal Single Arrow (Left)	30	21	4.4	1	4.4		White on Blue
M6-1R	Horizontal Single Arrow (Right)	30	21	4.4	1	4.4		White on Blue
R1-1	Stop	30	30	5.2	11		57.2	White on Red
R2-1	Speed Limit 30 mph	24	30	5.0	4	20.0		Black on White
R3-7R	Right Lane Must Turn Right	36	30	7.5	2	15.0		
R3-9b	Center Turn Lane	24	36	6.0	9	54.0		Black on White
R3-9b	End Plaque for Center Turn Lane	30	12	2.5	1	2.5		Black on White
R3-9CP	Begin Plaque for Center Turn Lane	30	12	2.5	2	5.0		Black on White
R7-108	Parking Time Limit	12	18	1.5	16	24.0		Black on White
R8-3A	No Parking Symbol	24	24	4.0	4	16.0		Black on White
W10-1	Railroad Advance Warning	36	36	7.1	2		14.2	Black on Fluorescent Yellow
					Totals	398.4	71.4	

SPECIAL SIGN LAYOUT

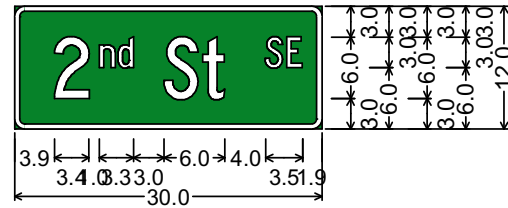
PLOT SCALE - 1:200

PLOT NAME - 1

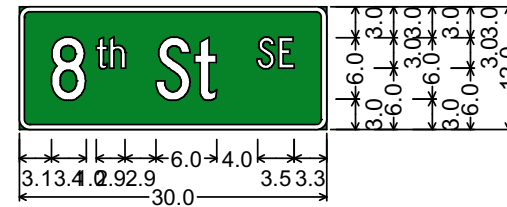
FILE - ... \05F4_SPECIAL SIGNS.DGN



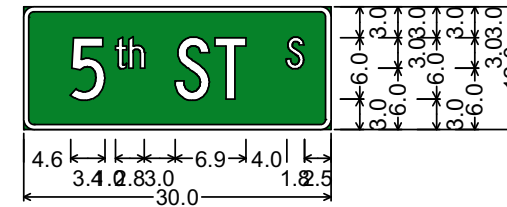
1.0" Radius, 0.5" Border, White on Green;
 "3", C 2K;
 "rd", C 2K 70% spacing;
 "St", C 2K;
 "NE", C 2K 70% spacing;



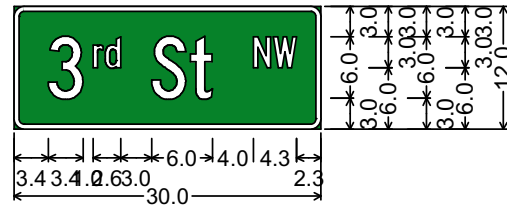
1.0" Radius, 0.5" Border, White on Green;
 "2", C 2K;
 "nd", C 2K 70% spacing;
 "St", C 2K;
 "SE", C 2K 70% spacing;



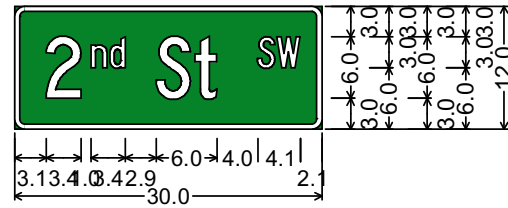
1.0" Radius, 0.5" Border, White on Green;
 "8", C 2K;
 "th", C 2K 70% spacing;
 "St", C 2K;
 "SE", C 2K 70% spacing;



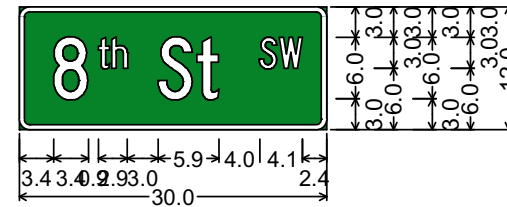
1.0" Radius, 0.5" Border, White on Green;
 "5", C 2K;
 "th", C 2K 70% spacing;
 "St", C 2K;
 "S", C 2K 70% spacing;



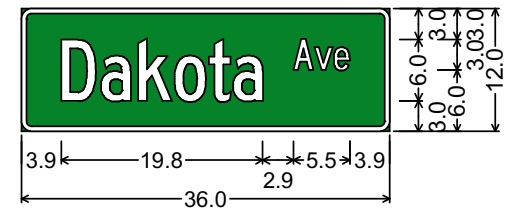
1.0" Radius, 0.5" Border, White on Green;
 "3", C 2K;
 "rd", C 2K 70% spacing;
 "St", C 2K;
 "NW", C 2K 70% spacing;



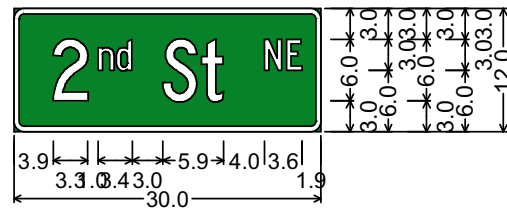
1.0" Radius, 0.5" Border, White on Green;
 "2", C 2K;
 "nd", C 2K 70% spacing;
 "St", C 2K;
 "SW", C 2K 70% spacing;



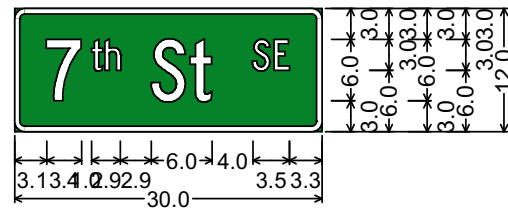
1.0" Radius, 0.5" Border, White on Green;
 "8", C 2K;
 "th", C 2K 70% spacing;
 "St", C 2K;
 "SW", C 2K 70% spacing;



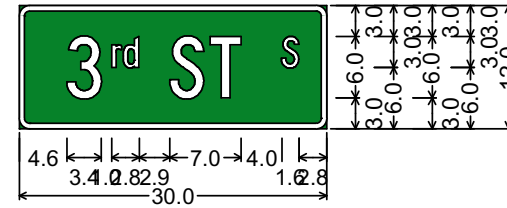
1.0" Radius, 0.5" Border, White on Green;
 "Dakota", C 2K 70% spacing;
 "Ave", C 2K 70% spacing;



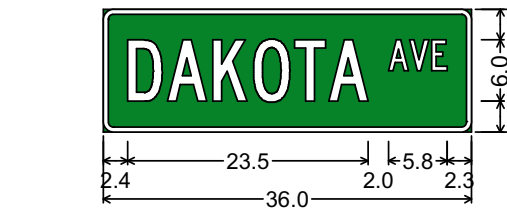
1.0" Radius, 0.5" Border, White on Green;
 "2", C 2K;
 "nd", C 2K 70% spacing;
 "St", C 2K;
 "NE", C 2K 70% spacing;



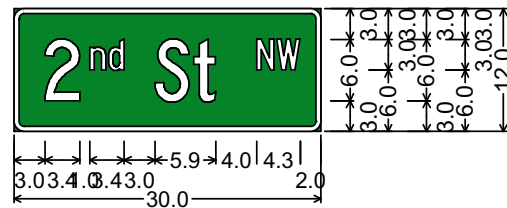
1.0" Radius, 0.5" Border, White on Green;
 "7", C 2K;
 "th", C 2K 70% spacing;
 "St", C 2K;
 "SE", C 2K 70% spacing;



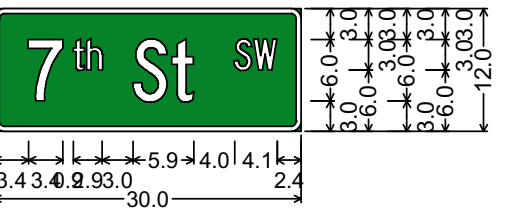
1.0" Radius, 0.5" Border, White on Green;
 "3", C 2K;
 "rd", C 2K 70% spacing;
 "St", C 2K;
 "S", C 2K 70% spacing;



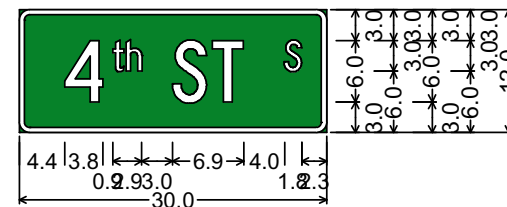
1.0" Radius, 0.5" Border, White on Green;
 "DAKOTA", C 2K 70% spacing;
 "AVE", C 2K 70% spacing;



1.0" Radius, 0.5" Border, White on Green;
 "2", C 2K;
 "nd", C 2K 70% spacing;
 "St", C 2K;
 "NW", C 2K 70% spacing;



1.0" Radius, 0.5" Border, White on Green;
 "7", C 2K;
 "th", C 2K 70% spacing;
 "St", C 2K;
 "SW", C 2K 70% spacing;



1.0" Radius, 0.5" Border, White on Green;
 "4", C 2K;
 "th", C 2K 70% spacing;
 "St", C 2K;
 "S", C 2K 70% spacing;



1.0" Radius, 0.5" Border, White on Green;
 "MARKET", C 2K 70% spacing;
 "ST", C 2K 70% spacing;



1.0" Radius, 0.5" Border, White on Green;
 "Commercial", C 2K 70% spacing;
 "St", C 2K 70% spacing;

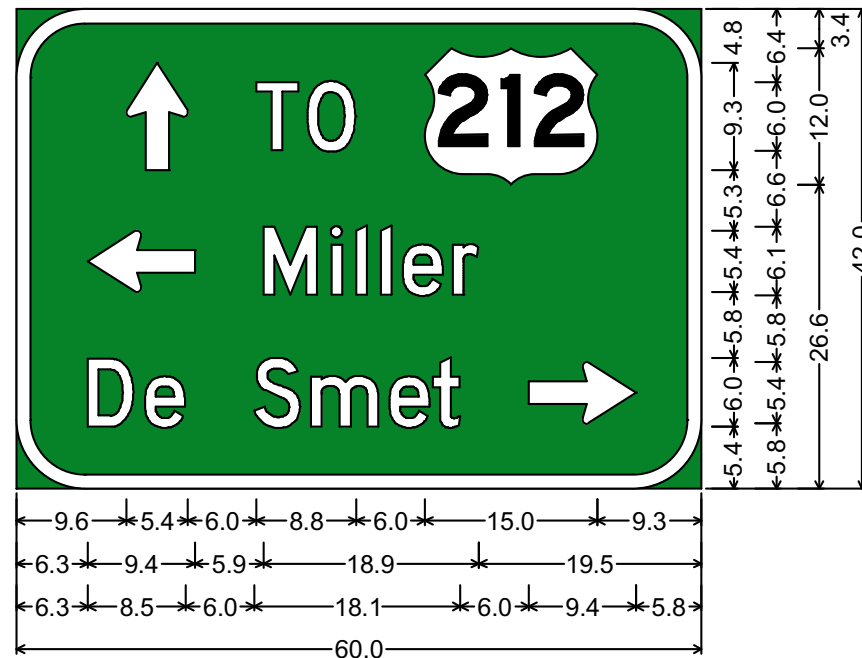
PLOTTED FROM - TRAB10100

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH-CR 0037(158)126	S10	S15

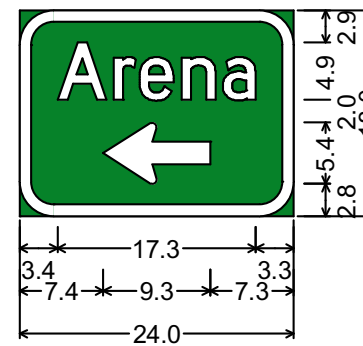
Plotting Date: 04/28/2023

Revised 01/03/2024 AT

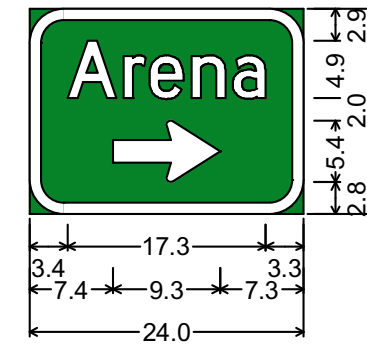
SPECIAL SIGN LAYOUT



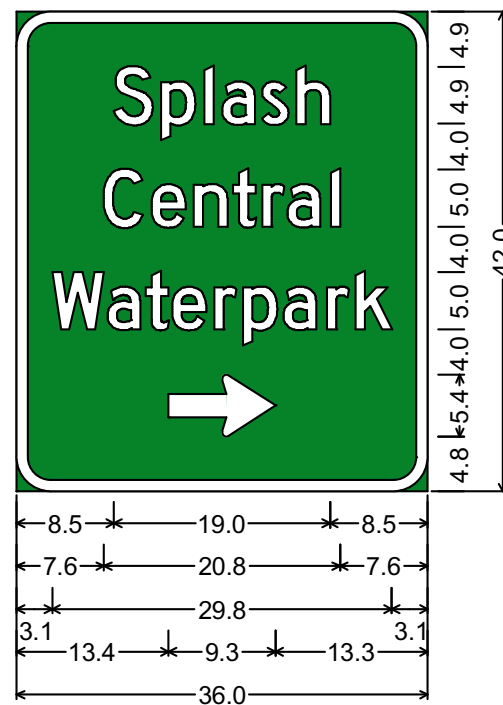
6.0" Radius, 1.3" Border, White on Green;
Standard Arrow 2 9.4" X 5.4" 90°; "TO", D 2K;
Standard Arrow 9.4" X 5.4" 180°; "Miller", D 2K;
"De Smet", D 2K; Standard Arrow 9.4" X 5.4" 0°;



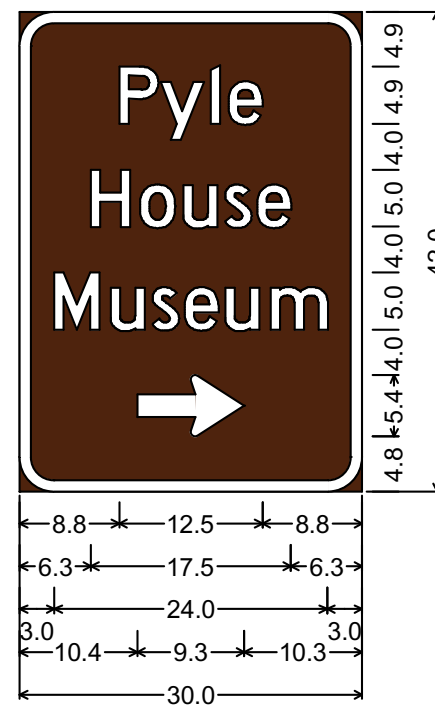
3.0" Radius, 1.0" Border, White on Green;
"Arena", D 2K;
Standard Arrow 9.4" X 5.4" 180°;



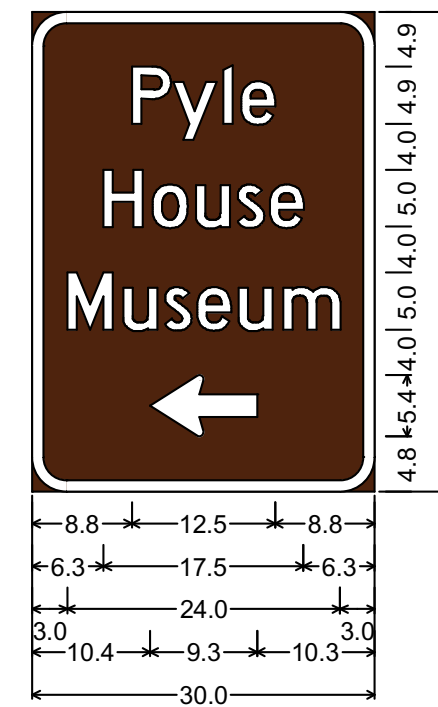
3.0" Radius, 1.0" Border, White on Green;
"Arena", D 2K;
Standard Arrow 9.4" X 5.4" 0°;



3.0" Radius, 1.0" Border, White on Green;
"Splash", D 2K; "Central", D 2K;
"Waterpark", D 2K;
Standard Arrow 9.4" X 5.4" 0°;



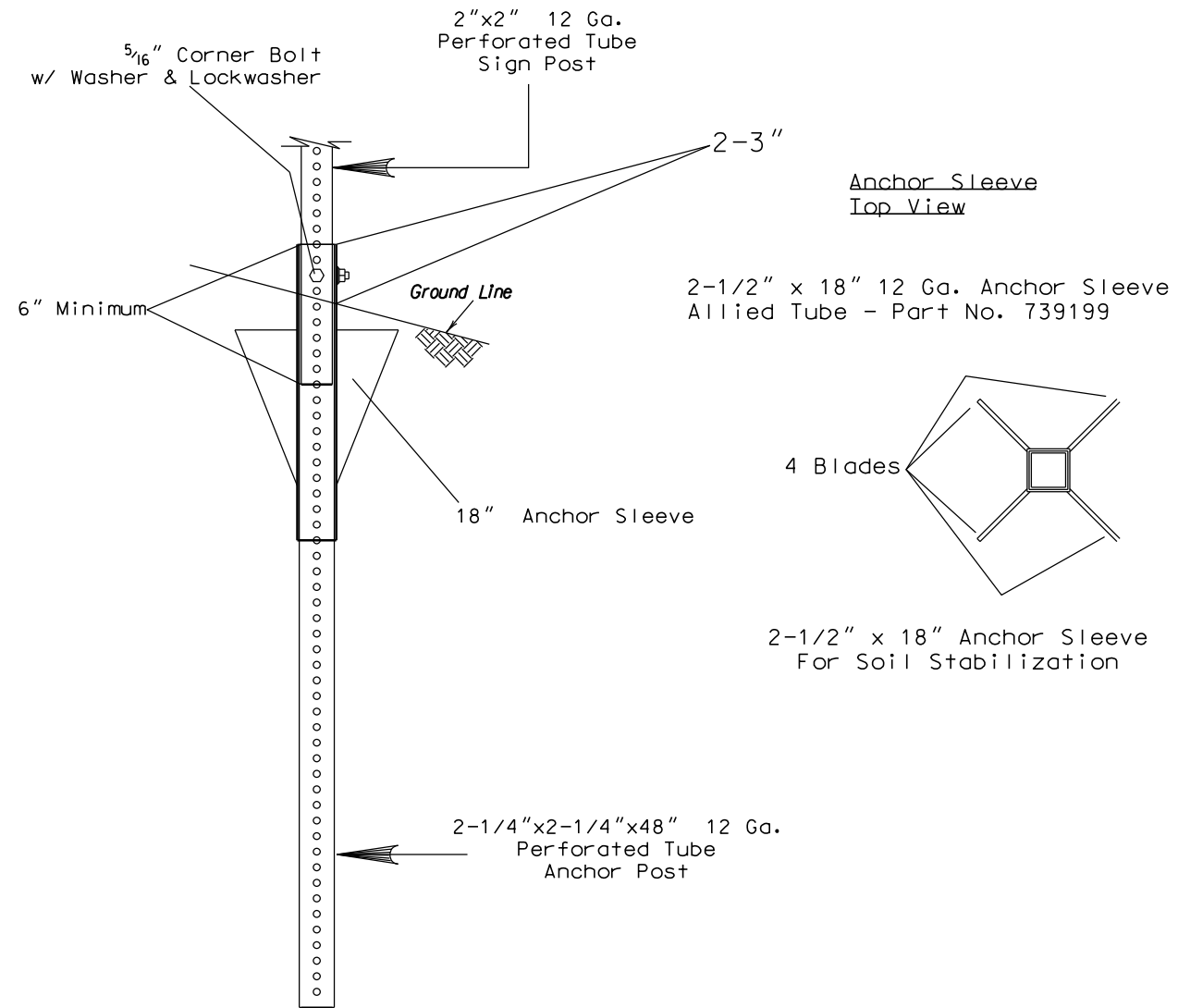
3.0" Radius, 1.0" Border, White on Brown;
"Pyle", D 2K;
"House", D 2K;
"Museum", D 2K;
Standard Arrow 9.4" X 5.4" 0°;



3.0" Radius, 1.0" Border, White on Brown;
"Pyle", D 2K;
"House", D 2K;
"Museum", D 2K;
Standard Arrow 9.4" X 5.4" 180°;

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH-CR 0037(158)126	S11	S15
Plotting Date: 10/10/2023			

SIGN BASE DETAILS FOR A 2" SIGN POST



PLOT SCALE - 1:240

PLOTTED FROM - TRAB10100

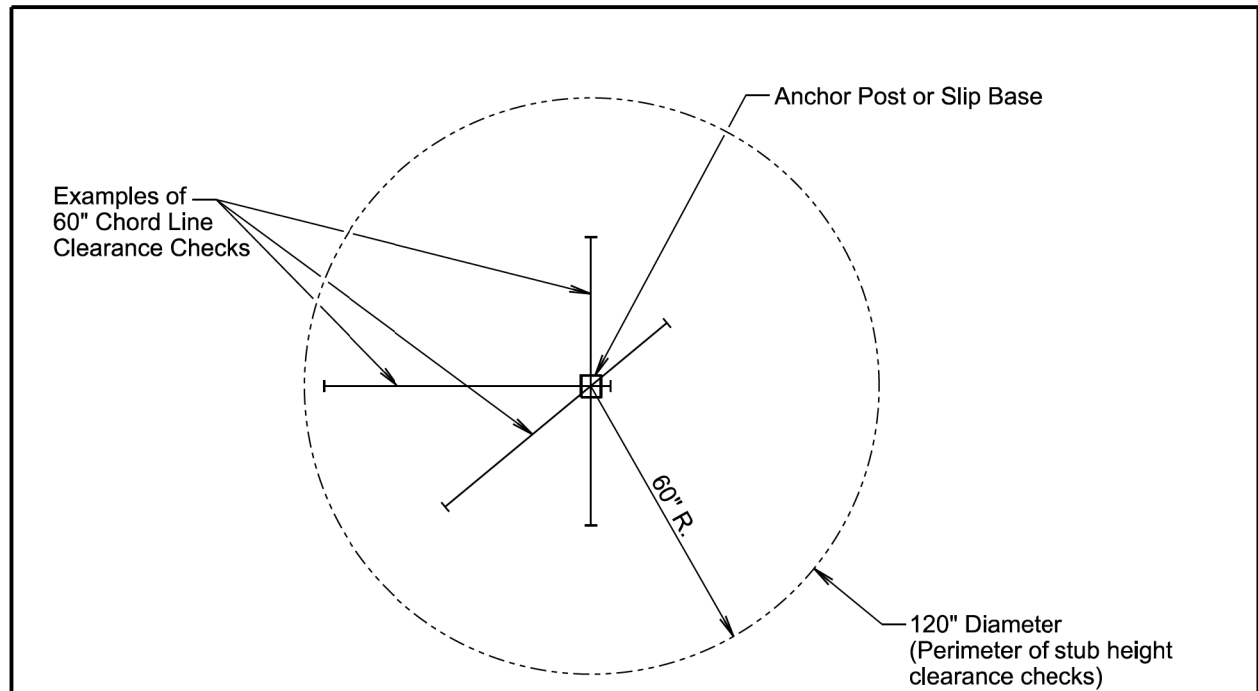
PLOT NAME - 1

FILE - ... \SIGNSUPPORTSTANDARDS.DGN

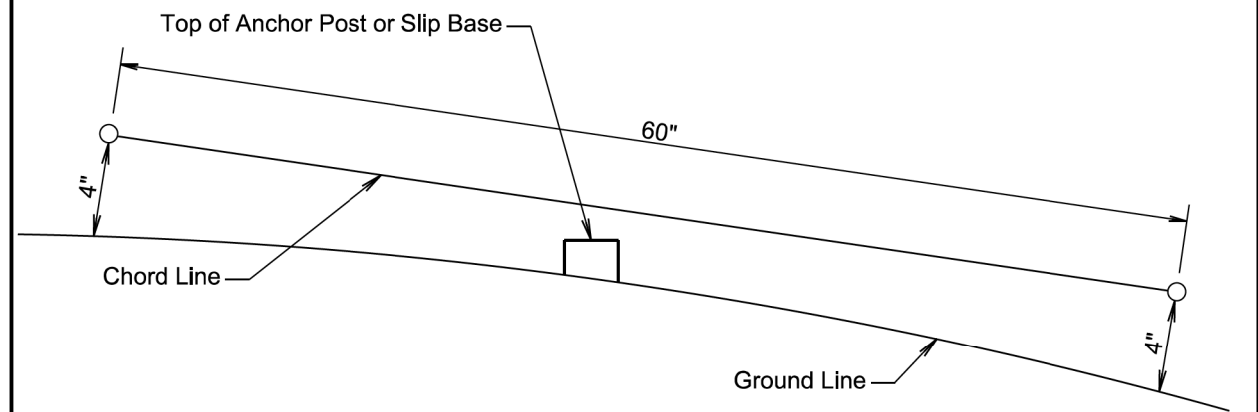
PLOT SCALE - 1:200

PLOT NAME - 1

FILE - ... \06A2_STANDARD PLATES.DGN



PLAN VIEW
(Examples of stub height clearance checks)



ELEVATION VIEW

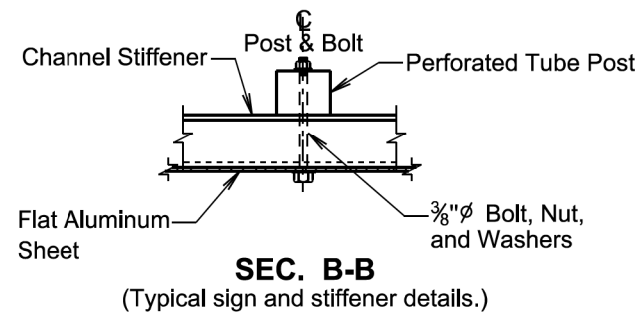
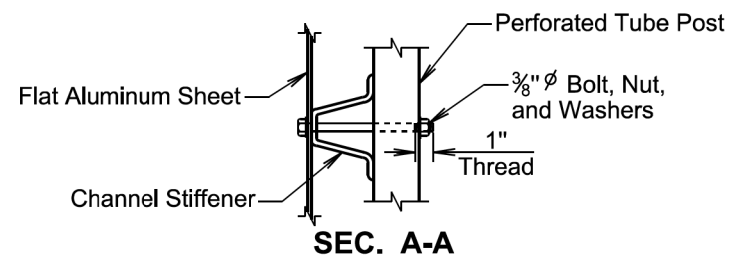
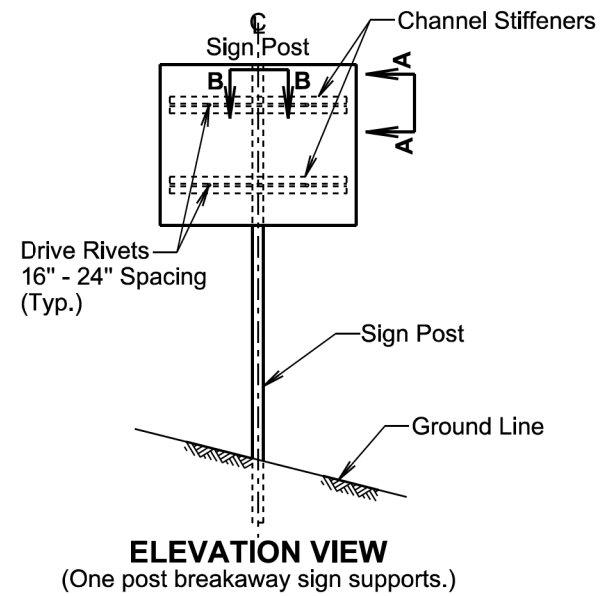
GENERAL NOTES:

The top of anchor posts and slip bases WILL NOT extend above a 60" chord line within a 120" diameter circle around the post with ends 4" above the ground.

At locations where there is curb and gutter adjacent to the breakaway sign support, the stub height will be a maximum of 4" above the ground line at the localized area adjacent to the breakaway support stub.

January 22, 2021

<i>Published Date: 2024</i>	S D D O T	BREAKAWAY SUPPORT STUB CLEARANCE	PLATE NUMBER 632.18
			Sheet 1 of 1

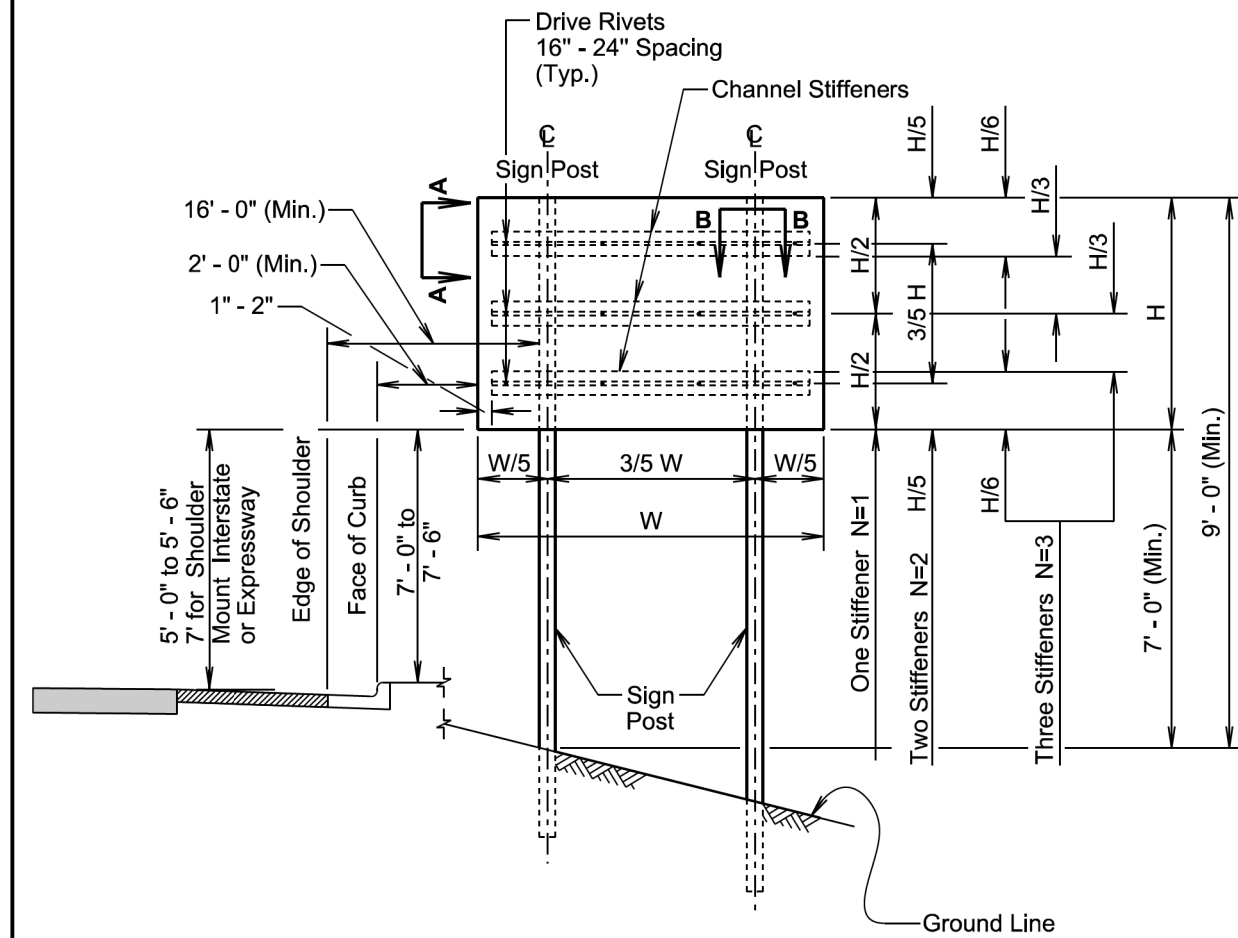


∅ A plastic washer, as recommended by the sheeting manufacturer, will be installed between the sign face and the metal washer shown.

November 19, 2020

S D D O T	SIGN STIFFENER DETAILS	PLATE NUMBER 632.60
		Sheet 1 of 2

Published Date: 2024



GENERAL NOTES:

The number of stiffeners used (N) will be as follows:
 If $H \leq 2' - 0''$ then $N = 1$
 if $2' - 0'' < H \leq 8' - 0''$ then $N = 2$
 if $8' - 0'' < H \leq 15' - 0''$ then $N = 3$
 where H is the vertical dimension of the sign.

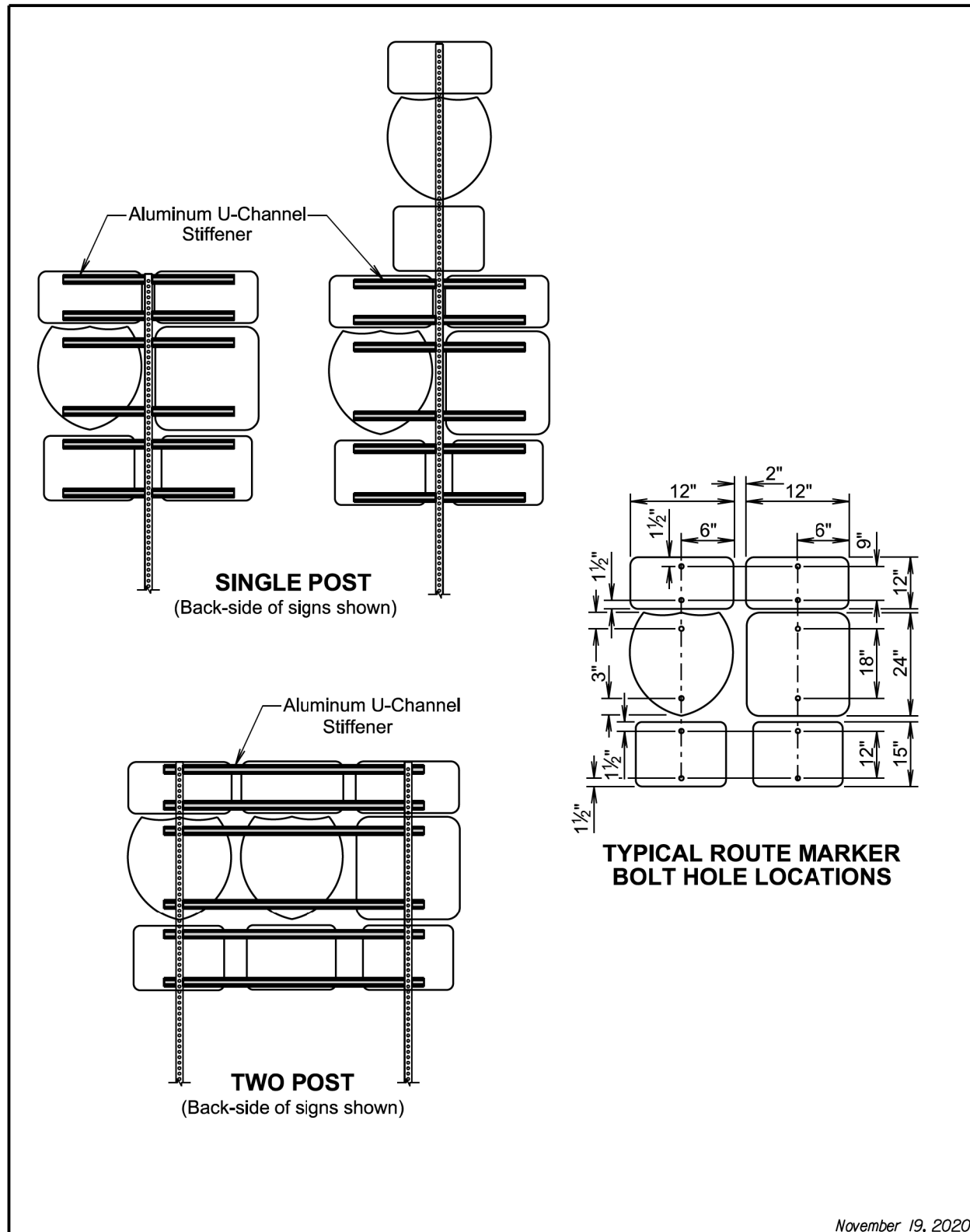
A minimum of two bolts will be required to fasten the sign to each post.

November 19, 2020

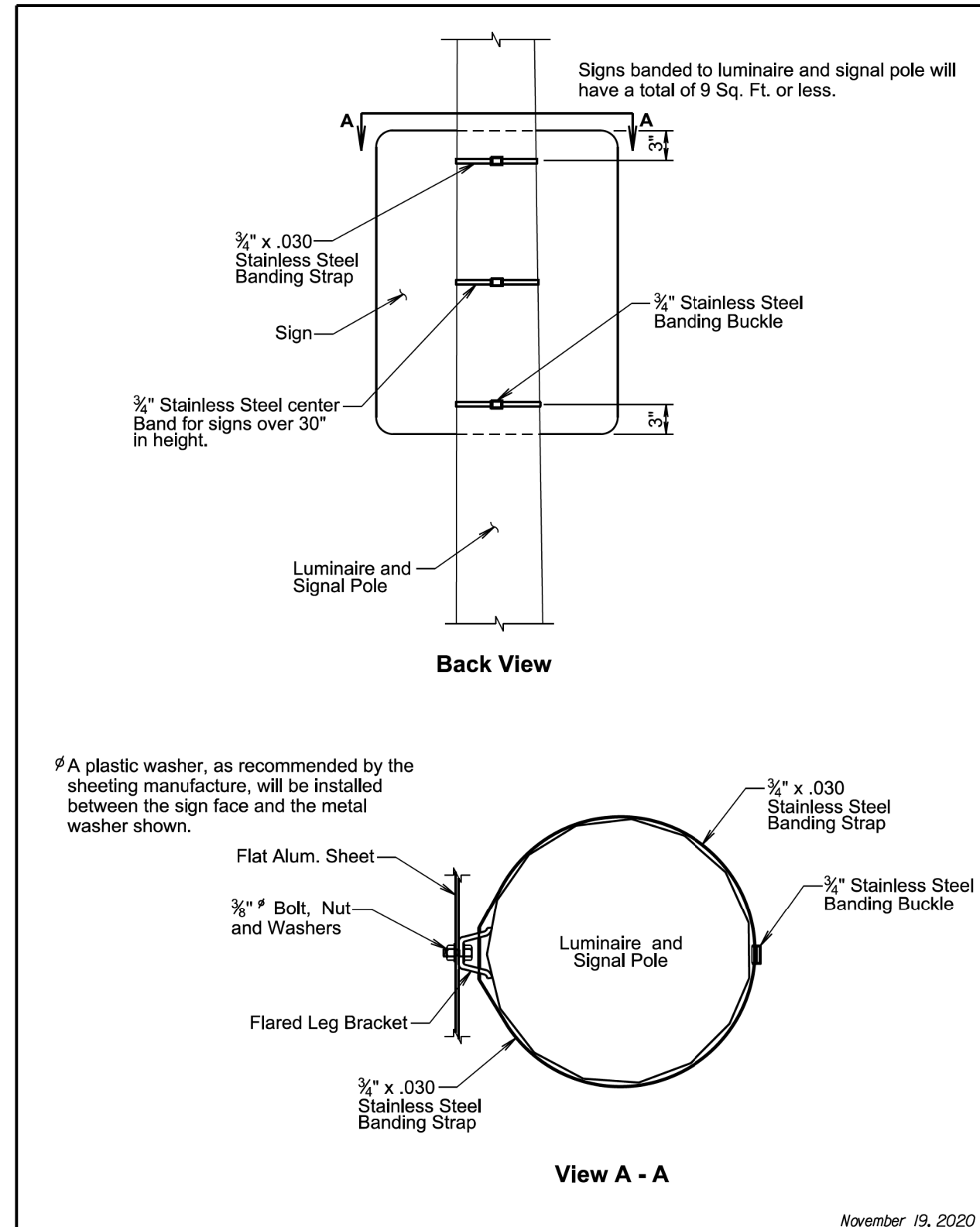
S D D O T	SIGN STIFFENER DETAILS	PLATE NUMBER 632.60
		Sheet 2 of 2

Published Date: 2024

PLOT SCALE - 1:200



Published Date: 2024	S D D O T	MULTIPLE ROUTE MARKER SIGN STIFFENER INSTALLATION DETAILS	November 19, 2020
			PLATE NUMBER 632.62
			Sheet 1 of 1

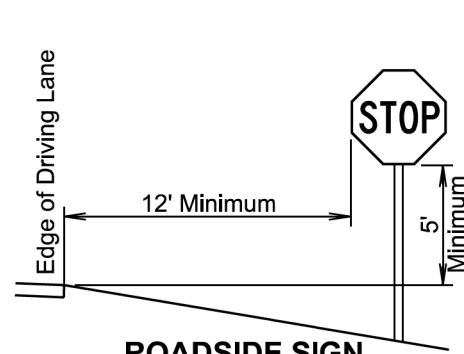


Published Date: 2024	S D D O T	BANDING SIGN TO LUMINAIRE AND SIGNAL POLE	November 19, 2020
			PLATE NUMBER 632.80
			Sheet 1 of 1

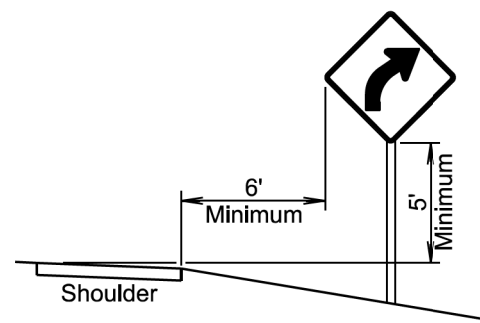
-PLOTTED FROM - TRAB10100

PLOT NAME - 3

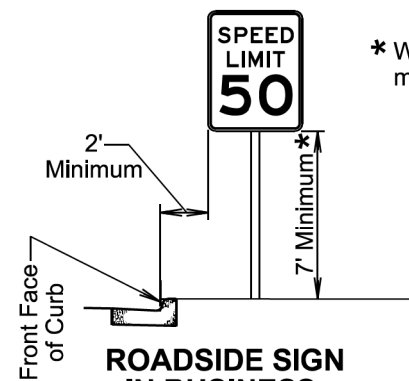
FILE - ... \06A2-STANDARD PLATES.DGN



**ROADSIDE SIGN
IN RURAL AREA**

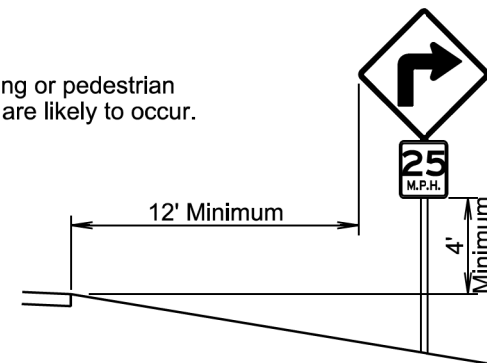


**ROADSIDE SIGN
IN RURAL AREA**
(If shoulder width is greater than 6 foot)

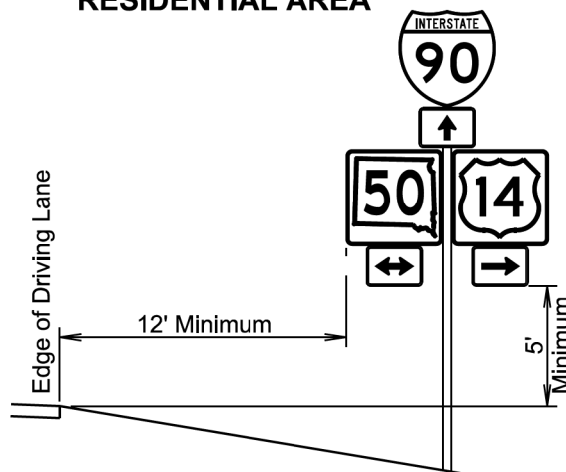


**ROADSIDE SIGN
IN BUSINESS,
COMMERCIAL, OR
RESIDENTIAL AREA**

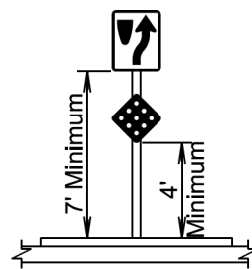
* Where parking or pedestrian movements are likely to occur.



**WARNING SIGN ADVISORY
SPEED PLAQUE IN RURAL AREA**



**ROADSIDE SIGN
IN RURAL AREA**



**SIGN ON NOSE
OF MEDIAN**

November 19, 2020

Published Date: 2024

**S
D
D
O
T**

OFFSETS FOR SIGN INSTALLATION

PLATE NUMBER
632.90

Sheet 1 of 1