

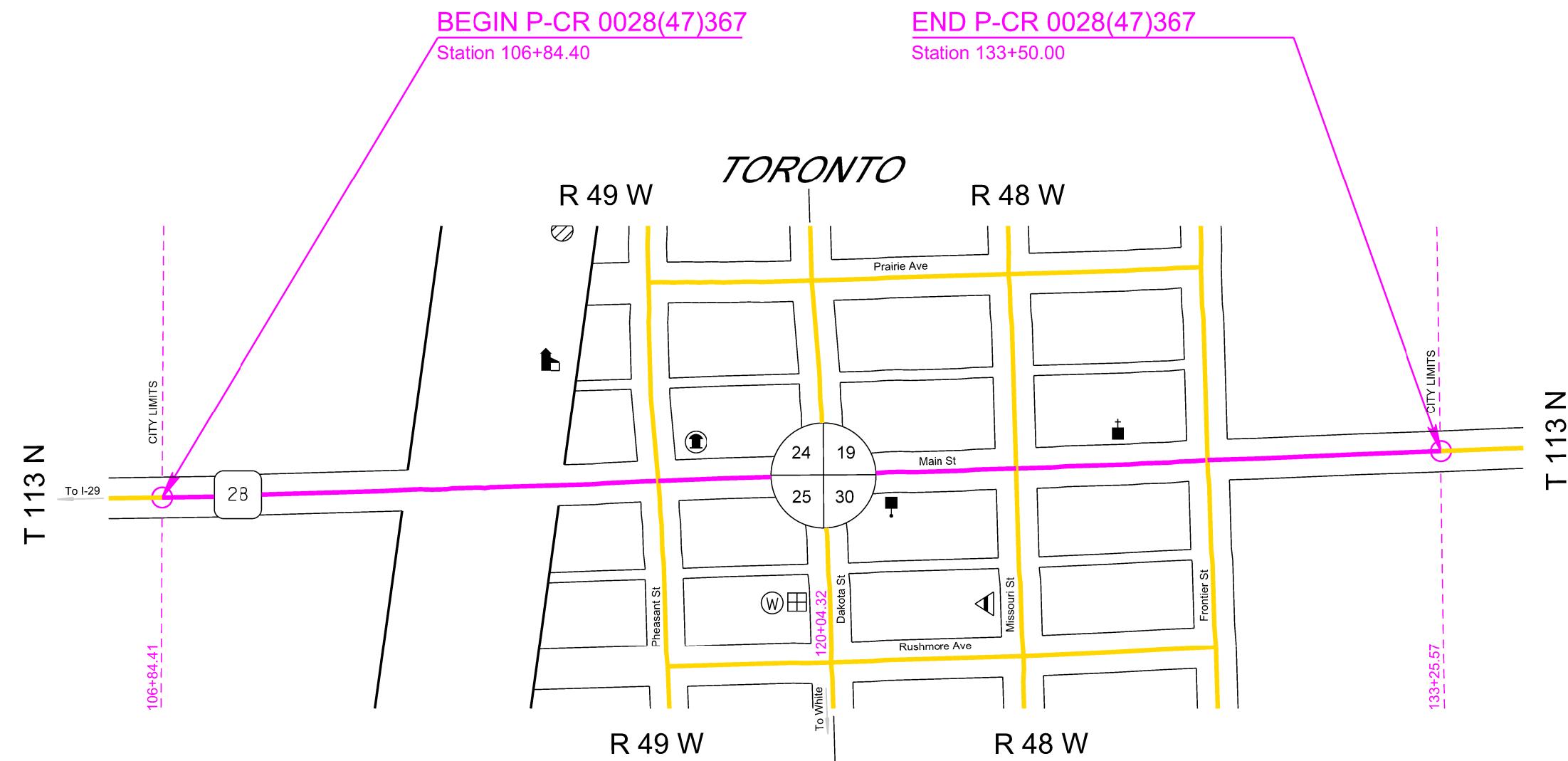
STATE OF DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	P-CR 0028(47)367	S1	S16
Plotting Date: 09/17/2025			

SECTION S: PERMANENT SIGNING PLANS

INDEX OF SHEETS

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S2-S3
S4-S5
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S7-S10
S11-S12
S13-S16

General Layout with Index
Estimate with General Notes & Tables
Permanent Sign Installation Table
Sign Summary
Special Sign Design
Sign Installation Details
Standard Plates



SECTION S – ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0130	Remove Traffic Sign	26	Each
632E1320	2.0"x2.0" Perforated Tube Post	423.0	Ft
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	219.2	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	52.8	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.

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 overlaminant 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

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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.

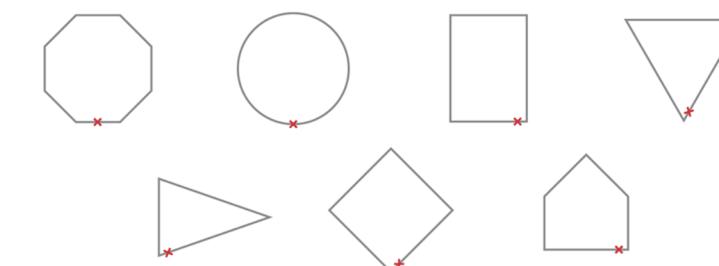
CERTIFIED DIGITAL SIGN FABRICATOR

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.
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.



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.

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POLE MOUNTED SIGNS

Signs that are mounted on luminaire and utility poles 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 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.

Any proposed alternative to the block out will be MASH or NCHRP 350 compliant and approved by the Region Traffic Engineer.

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

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SD 28 Permanent Sign Installation Table

Station	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)	2.5"x2.5" Perforated Tube Post 10 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	(N.A.B.I.) 48" Winged Slip Base Anchor (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
107+49	Lt.	West	M3-4	24	12	2.0		11.0		1		1	E	Telespar	Remove and Replace Existing Signs and Posts
		SD 28	M1-5	24	24	4.0									
110+45	Lt.	No Passing Zone	W14-3	48X48X36			5.6	11.0		1		1	W	Telespar	Remove and Replace Existing Sign and Posts
112+72	Lt.	Railroad St (Two Signs)	D3-1	48	12	8.0		11.0		1		1	E/W	Telespar	Remove and Replace Existing Signs and Posts
		Main Ave (Two Signs)	D3-1	42	12	7.0									
112+00	Rt.	Speed Limit 25	R2-1	24	30	5.0		11.0		1		1	W	Wood Light Pole	Replace Existing Sign with New Sign on New Post
112+09	Lt.	Speed Limit 30	R2-1	24	30	5.0		11.0		1		1	E	Wood Light Pole	Replace Existing Sign with New Sign on New Post
114+69	Rt.	East	M3-2	24	12	2.0		11.0		1		1	W	Wood Light Pole	Replace Existing Signs with New Signs on New Post
		SD 28	M1-5	24	24	4.0									
116+48	Lt.	Stop	R1-1	30	30		5.2	11.0		1		1	N	Telespar	Replace Existing Sign with New Sign on New Post
116+47	Rt.	Pheasant St (Two Signs)	D3-1	54	12							1	E/W	Telespar	Remove Existing Signs and Posts
		Main Ave (Two Signs)	D3-1	42	12										
117+02	Rt.	Stop	R1-1	30	30		5.2	11.0		1		1	S	Telespar	Replace Existing Sign with New Sign on New Post
117+07	Lt.	Pheasant St (Two Signs)	D3-1	54	12	9.0		11.0		1		1	E/W	Telespar	Place New Signs on New Post
		Main Ave (Two Signs)	D3-1	42	12	7.0									
119+01	Rt.	Arlo L. Olson Memorial Park <--		54	30	11.3		26.0		2		1	W	Wood Light Pole	Replace Existing Signs with New Signs on New Post
		Camping <--			36	24	6.0								
119+64	Lt.	Dakota St (Two Signs)	D3-1	48	12	8.0		11.0		1		1	E/W	Telespar	Remove and Replace Existing Signs and Posts
		Main Ave (Two Signs)	D3-1	42	12	7.0									
119+72	Lt.	Stop	R1-1	30	30		5.2	11.0		1		1	N	Wood Light Pole	Replace Existing Sign with New Sign on New Post
120+31	Rt.	Stop	R1-1	30	30		5.2	11.0		1		1	S	Wood Light Pole	Replace Existing Sign with New Sign on New Post
121+21	Lt.	Arlo L. Olson Memorial Park -->			54	30	11.3	26.0		2		1	E	Wood Light Pole	Replace Existing Signs with New Signs on New Post
		Camping -->			36	24	6.0								
122+68	Lt.	West	M3-4	24	12	2.0		11.0		1		1	E	Wood Light Pole	Replace Existing Signs with New Signs on New Post
		SD 28	M1-5	24	24	4.0									

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SD 28 Permanent Sign Installation Table

Station	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)	2.5"x2.5" Perforated Tube Post 10 Ga. (Ft)	(N.A.B.I.) Square Tube Anchor Sleeve (Each)	(N.A.B.I.) 48" Winged Slip Base Anchor (Each)	Remove Traffic Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
123+58	Lt.	Missouri St (Two Signs)	D3-1	48	12	8.0		11.0		1		1	E/W	Telespar	Remove and Replace Existing Signs and Posts
		Main Ave (Two Signs)	D3-1	42	12	7.0							N/S		
123+61	Lt.	Stop	R1-1	30	30		5.2	11.0		1		1	N	Telespar	Replace Existing Sign with New Sign on New Post
124+09	Rt.	Stop	R1-1	30	30		5.2	11.0		1		1	S	Telespar	Replace Existing Sign with New Sign on New Post
125+65	Lt.	Speed Limit 25	R2-1	24	30	5.0		11.0		1		1	E	Wood Light Pole	Replace Existing Sign with New Sign on New Post
		Disabled Parking Sign											S		Remove Existing Sign
125+62	Rt.	Speed Limit 30	R2-1	24	30	5.0		11.0		1		1	W	Telespar	Remove and Replace Existing Sign and Posts
126+22	Rt.	Deubrook Elementary School D. Aaberg Memorial Diamond -->		48	42	14.0		26.0		2		W			Place New Signs on New Posts
		D. Aaberg Memorial Diamond -->		42	42	12.3									
127+48	Lt.	Frontier St (Two Signs)	D3-1	48	12	8.0		11.0		1		1	E/W	Telespar	Remove and Replace Existing Signs and Posts
		Main Ave (Two Signs)	D3-1	42	12	7.0							N/S		
127+50	Lt.	Stop	R1-1	30	30		5.2	11.0		1		1	N	Telespar	Replace Existing Sign with New Sign on New Post
127+84	Rt.	--> Deubrook Elementary School D. Aaberg Memorial Diamond		48	42							1		U Channel	Remove Existing Sign and Posts
127+87	Rt.	Stop	R1-1	30	30		5.2	11.0		1		1	S	Telespar	Replace Existing Sign with New Sign on New Post
129+30	Rt.	East	M3-2	24	12	2.0		11.0		1		1	W	Telespar	Remove and Replace Existing Signs and Posts
		SD 28	M1-5	24	24	4.0									
131+00	Lt.	Deubrook Elementary School D. Aaberg Memorial Diamond <--		48	42	14.0		26.0		2		E			Place New Signs on New Posts
		D. Aaberg Memorial Diamond <--		42	42	12.3									
131+17	Rt.	No Passing Zone	W14-3	48X48X36		5.6	11.0		0.0	31	0	1	E	Telespar	Remove and Replace Existing Sign and Posts

TOTAL 207.2 52.8 357.0 0.0 31 0 26

*6 Reserved Disabled Parking signs will be installed where Handicap parking stalls are located (12 SQFT total and 66 Ft 2.0"x2.0" Perforated Tube Post 12 ga.)

Revised: 10/28/25 MD

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SOUTH
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SHEETS
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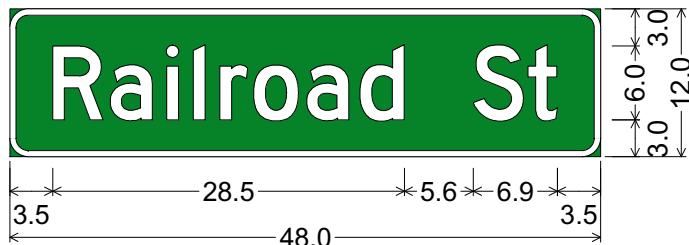
Sign Summary SD 28

Sign Code	Description	Width (Inches)	Height (Inches)	Sq. Ft.	No.	Flat Aluminum Sign, Nonremovable Copy High Intensity (SQFT)	Flat Aluminum Sign, Nonremovable Copy Super or Very High Intensity (SQFT)	Text / Background
	Reserved Disabled Parking Sign	12	24	2.0	7	14.0		Green on White/Green Border
	Camping <--	36	24	6.0	1	6.0		White on Blue/White Border
	Camping -->	36	24	6.0	1	6.0		White on Blue/White Border
	Arlo L. Olson Memorial Park -->	54	30	11.3	1	11.3		White on Blue/White Border
	Arlo L. Olson Memorial Park <--	54	30	11.3	1	11.3		White on Blue/White Border
	Deubrook Elementary School D. Aaberg Memorial Diamond <--	48	42	14.0	1	14.0		White on Blue/White Border
	Deubrook Elementary School D. Aaberg Memorial Diamond -->	48	42	14.0	1	14.0		White on Blue/White Border
	D. Aaberg Memorial Diamond <--	42	42	12.3	1	12.3		White on Blue/White Border
	D. Aaberg Memorial Diamond -->	42	42	12.3	1	12.3		White on Blue/White Border
D3-1	Street Signs Main Ave (Two Signs for Each)	42	12	3.5	10	35.0		White on Green
D3-1	Street Signs Railroad St, Missouri St, Dakota St, and Frontier St (Two Signs for Each)	48	12	4.0	8	32.0		White on Green
D3-1	Street Signs Pheasant St (Two Signs for Each)	54	12	4.5	2	9.0		White on Green
M1-5	SD 28	24	24	4.0	4	16.00		See Standard Plate 632.20
M3-2	East	24	12	2.0	2	4.00		Black on White/Green Border
M3-4	West	24	12	2.0	2	4.00		Black on White/Green Border
R1-1	Stop	30	30	5.2	8		41.6	White on Red
R2-1	Speed Limit 25	24	30	5.0	2	10.0		Black on White
R2-1	Speed Limit 30	24	30	5.0	2	10.0		Black on White
W14-3	No Passing Zone	48X48X36		5.6	2		11.2	Black on Fluorescent Yellow
					Totals	221.2	52.8	

SPECIAL SIGN LAYOUT

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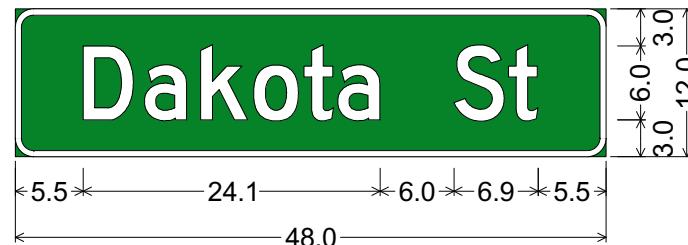
1.5" Radius, 0.5" Border, White on Green;

"Railroad St", D 2K;

Table of letter and object lefts

R	a	i	l	r	o	a	d
3.5	8.1	12.8	14.9	17.0	19.9	24.1	28.5

S	t
37.6	42.1



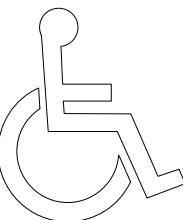
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"Dakota St", D 2K;

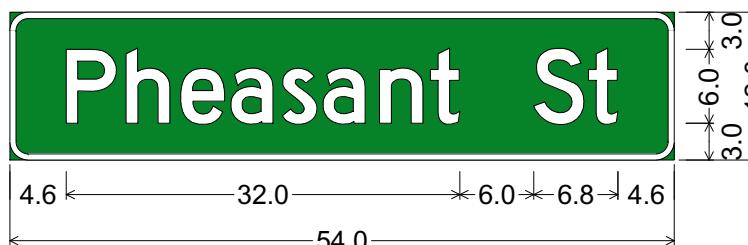
Table of letter and object lefts

D	a	k	o	t	a	s	t
5.5	10.5	15.0	19.4	23.5	26.3	35.6	40.1

**RESERVED
PARKING**



**STATE PERMIT
OR LICENSE REQUIRED
\$100 MINIMUM FINE
AND CLASS 2 MISDEMEANOR
FOR VIOLATORS**



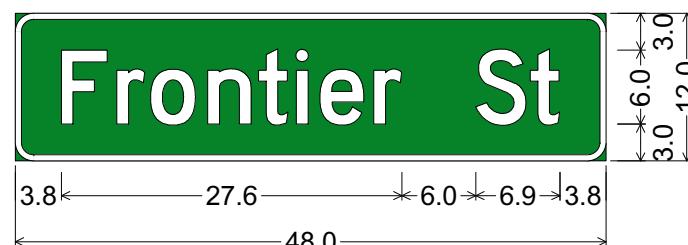
1.5" Radius, 0.5" Border, White on Green;

"Pheasant St", D 2K;

Table of letter and object lefts

P	h	e	a	s	a	n	t	s	t
4.6	9.5	13.9	18.0	22.1	25.5	30.0	34.1	42.6	47.0

S	t
37.4	41.9



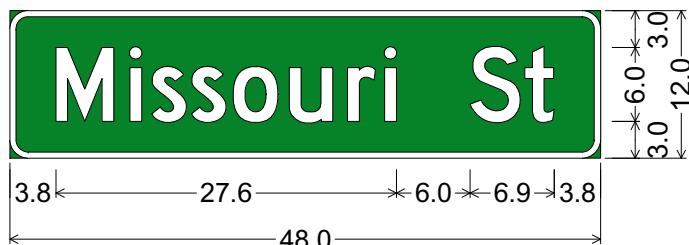
1.5" Radius, 0.5" Border, White on Green;

"Frontier St", D 2K;

Table of letter and object lefts

F	r	o	n	t	i	e	r
3.8	8.3	11.0	15.6	19.8	22.9	24.8	29.1

S	t
37.4	41.9



1.5" Radius, 0.5" Border, White on Green;

"Missouri St", D 2K;

Table of letter and object lefts

M	i	s	s	o	u	r	i
3.8	9.8	11.5	14.8	18.1	22.8	27.5	30.5

S	t
37.4	41.9

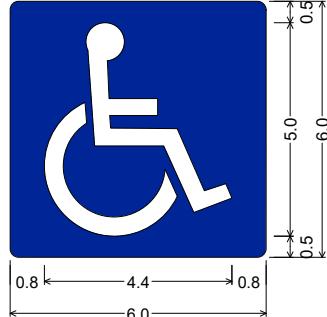


1.5" Radius, 0.5" Border, White on Green;

"Main Ave", D 2K 85% spacing;

Table of letter and object lefts

M	a	i	n	A	v	e
3.6	9.3	13.6	15.5	24.8	30.1	34.9



D9-6_18x18;
0.2" Radius, 0.0" Border, White on Blue;
Handicapped Accessible;

R7-8aPT_18x9;
1.0" Radius, 0.4" Border, 0.4" Indent, Green on White;
"RESERVED", B 2K; "PARKING", B 2K;

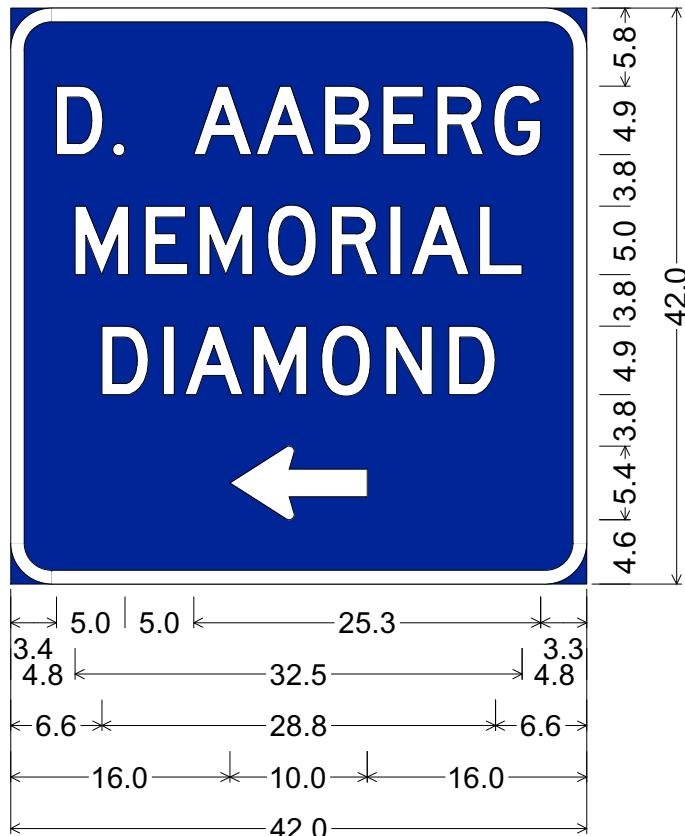
D9-6_18x18;
0.2" Radius, 0.0" Border, White on Blue;
Handicapped Accessible;

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SPECIAL SIGN LAYOUT



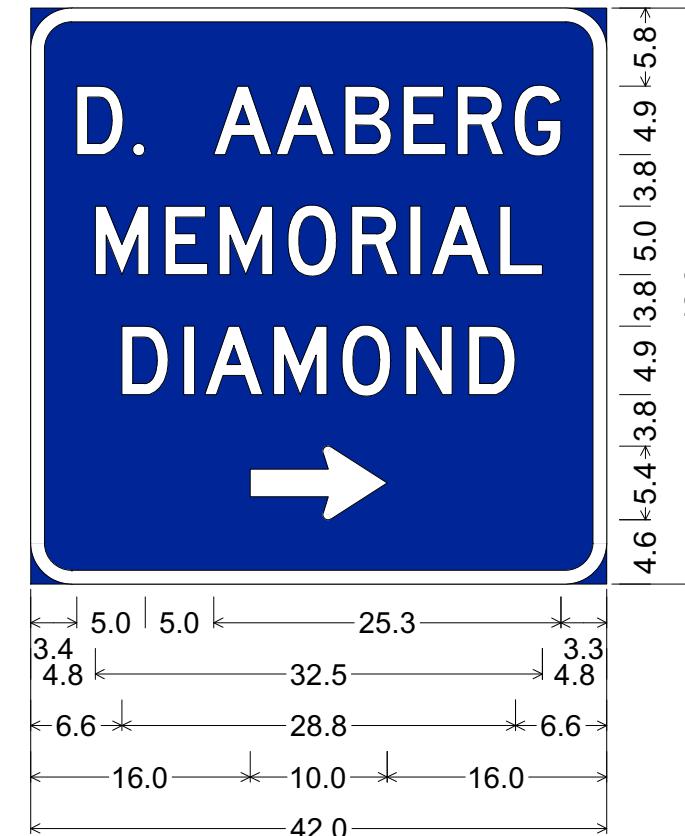
3.0" Radius, 1.0" Border, White on Blue;
 "D. AABERG", D 2K;
 "MEMORIAL", D 2K;
 "DIAMOND", D 2K;
 Standard Arrow Custom 10.0" X 5.4" 180°;
 Table of letter and object lefts

D	.	A	A	B	E	R	G
3.4	7.5	13.4	17.9	22.9	27.1	31.1	35.3
M	E	M	O	R	I	A	L
4.8	9.8	13.8	18.8	23.4	27.6	29.3	34.3

D	I	A	M	O	N	D
6.6	11.1	12.8	17.8	22.8	27.4	32.0



16.0



3.0" Radius, 1.0" Border, White on Blue;
 "D. AABERG", D 2K;
 "MEMORIAL", D 2K;
 "DIAMOND", D 2K;
 Standard Arrow Custom 10.0" X 5.4" 0°;
 Table of letter and object lefts

D	.	A	A	B	E	R	G
3.4	7.5	13.4	17.9	22.9	27.1	31.1	35.3
M	E	M	O	R	I	A	L
4.8	9.8	13.8	18.8	23.4	27.6	29.3	34.3

D	I	A	M	O	N	D
6.6	11.1	12.8	17.8	22.8	27.4	32.0

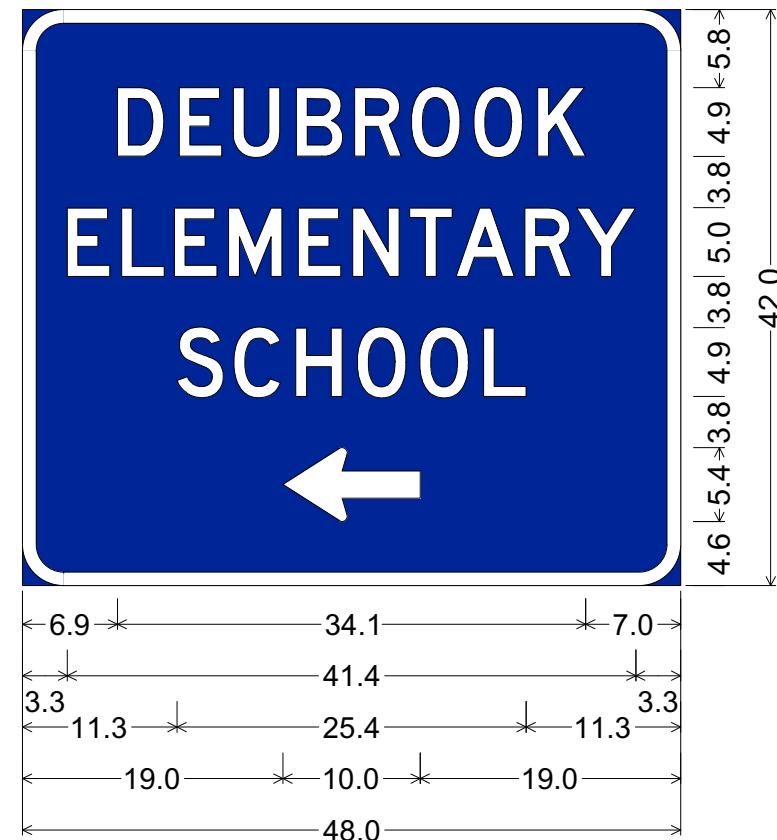


16.0

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SPECIAL SIGN LAYOUT



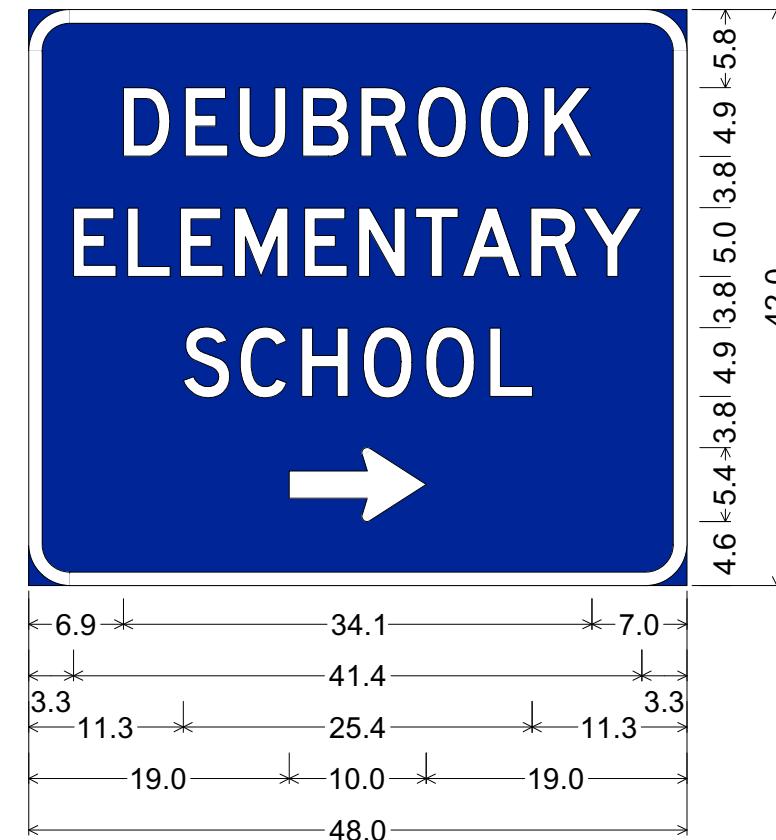
3.0" Radius, 1.0" Border, White on Blue;
 "DEUBROOK", D 2K;
 "ELEMENTARY", D 2K; "SCHOOL", D 2K;
 Standard Arrow Custom 10.0" X 5.4" 180°;
 Table of letter and object lefts

D	E	U	B	R	O	O	K
6.9	11.4	15.4	20.0	24.3	28.4	32.9	37.6

E	L	E	M	E	N	T	A	R	Y
3.3	7.3	11.1	15.0	20.1	24.1	28.3	31.6	36.6	40.4

S	C	H	O	O	L
11.3	15.4	19.9	24.4	29.0	33.6

19.0



3.0" Radius, 1.0" Border, White on Blue;
 "DEUBROOK", D 2K;
 "ELEMENTARY", D 2K; "SCHOOL", D 2K;
 Standard Arrow Custom 10.0" X 5.4" 0°;
 Table of letter and object lefts

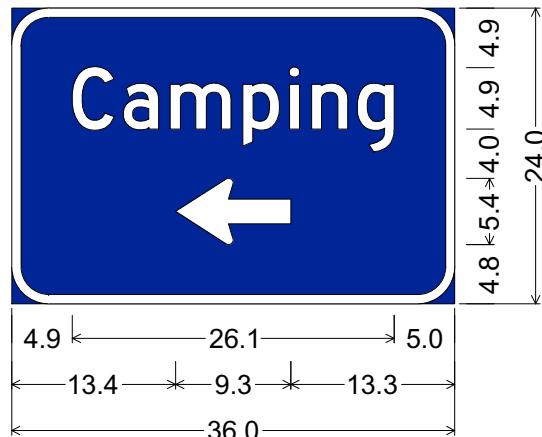
D	E	U	B	R	O	O	K
6.9	11.4	15.4	20.0	24.3	28.4	32.9	37.6

E	L	E	M	E	N	T	A	R	Y
3.3	7.3	11.1	15.0	20.1	24.1	28.3	31.6	36.6	40.4

S	C	H	O	O	L
11.3	15.4	19.9	24.4	29.0	33.6

19.0

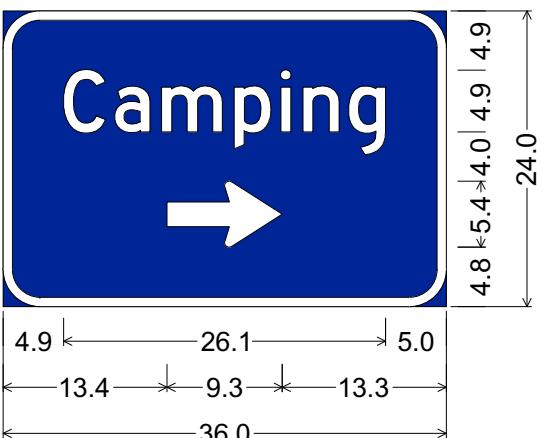
SPECIAL SIGN LAYOUT



3.0" Radius, 0.8" Border, White on Blue;
"Camping", D 2K;
Standard Arrow 2 9.4" X 5.4" 180°;
Table of letter and object lefts

C	a	m	p	i	n	g
4.9	9.1	12.9	18.8	22.6	24.4	28.1

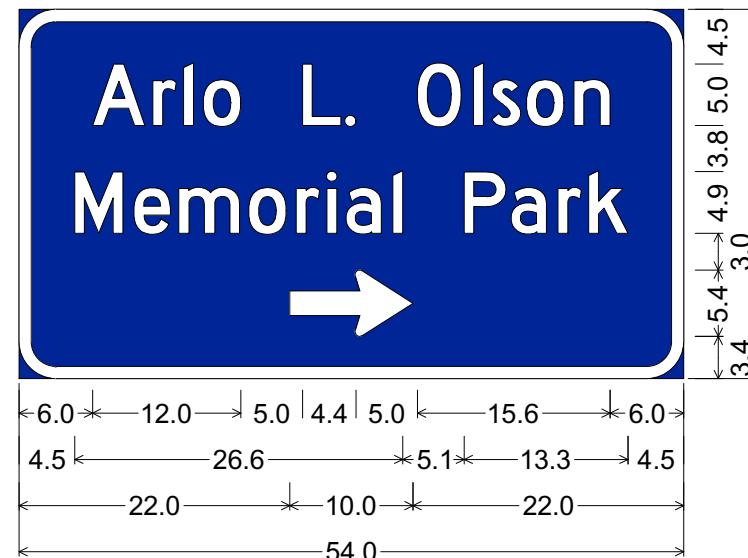
←
13.4



3.0" Radius, 0.8" Border, White on Blue;
"Camping", D 2K;
Standard Arrow 2 9.4" X 5.4" 0°;
Table of letter and object lefts

C	a	m	p	i	n	g
4.9	9.1	12.9	18.8	22.6	24.4	28.1

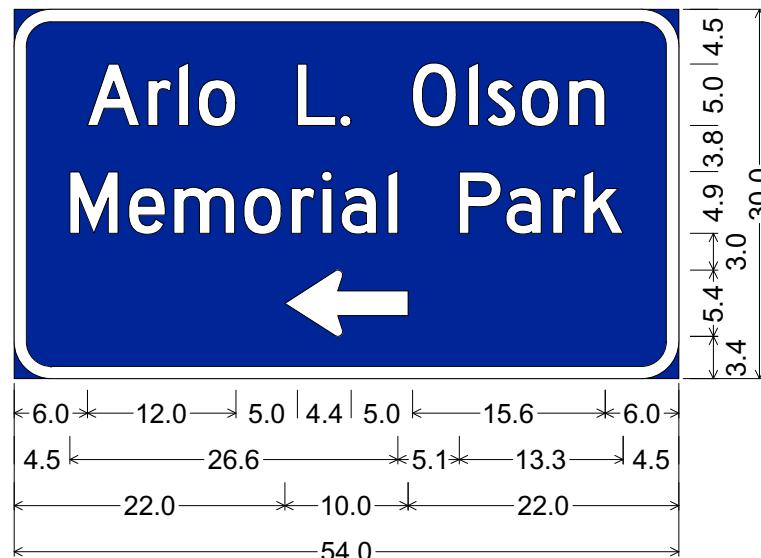
→
13.4



3.0" Radius, 1.0" Border, White on Blue;
"Arlo L. Olson", D 2K; "Memorial Park", D 2K;
Standard Arrow Custom 10.0" X 5.4" 0°;
Table of letter and object lefts

A	r	l	o	L	.	26.5
6.0	10.9	13.4	15.0	23.0		
0	l	s	o	n		
32.4	36.9	38.4	41.3	45.1		
M	e	m	o	r	i	l
4.5	9.4	13.0	18.6	22.5	25.0	26.6
P	a	r	k			
36.1	40.0	43.8	46.3			

→
22.0



3.0" Radius, 1.0" Border, White on Blue;
"Arlo L. Olson", D 2K; "Memorial Park", D 2K;
Standard Arrow Custom 10.0" X 5.4" 180°;
Table of letter and object lefts

A	r	l	o	L	.	26.5
6.0	10.9	13.4	15.0	23.0		
0	l	s	o	n		
32.4	36.9	38.4	41.3	45.1		
M	e	m	o	r	i	l
4.5	9.4	13.0	18.6	22.5	25.0	26.6
P	a	r	k			
36.1	40.0	43.8	46.3			

←
22.0

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	P-CR 0028(47)367	S11	S16
Plotting Date: 10/10/2023			

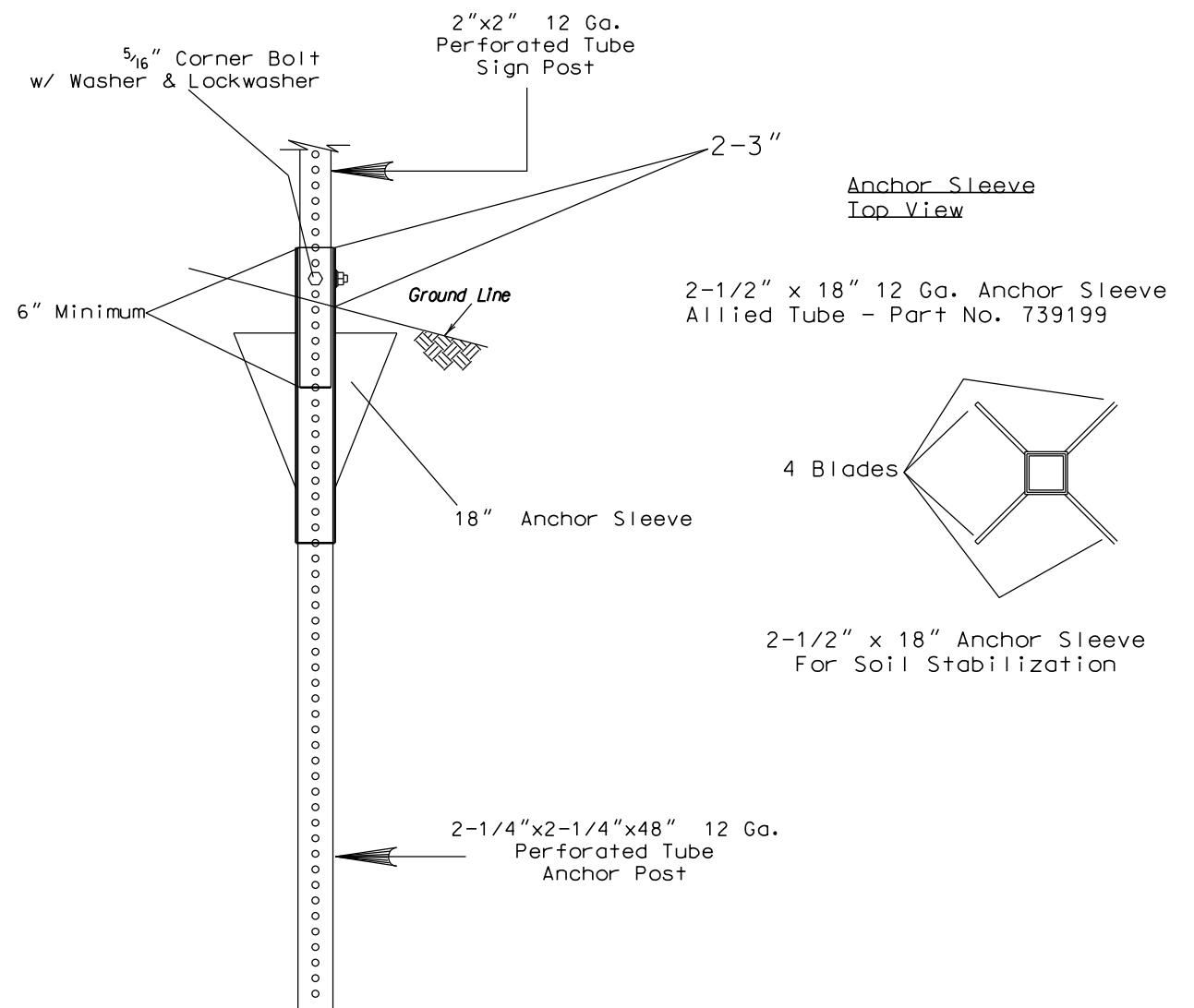
PLOT SCALE - 1:240

PLOTTED FROM - TAB10100

FILE : ... \SIGNSUPPORTSTANDARDS.DGN

PLOT NAME - 1

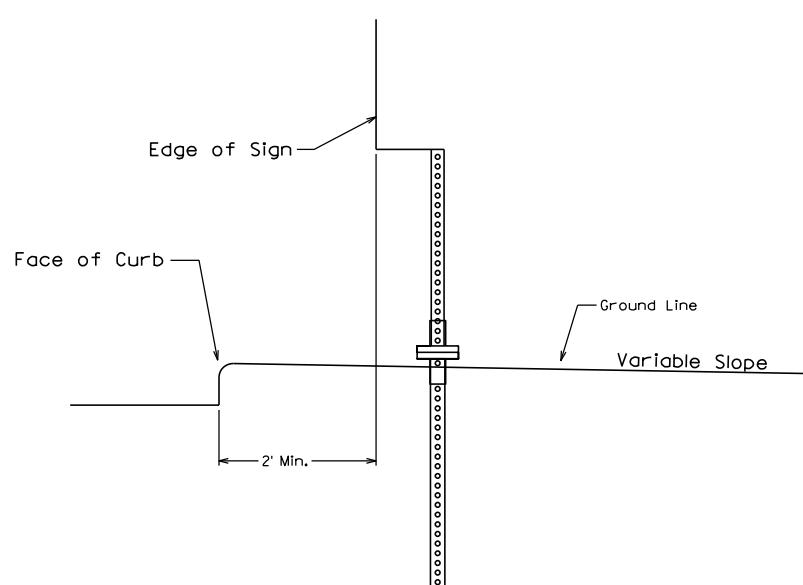
SIGN BASE DETAILS FOR A 2" SIGN POST



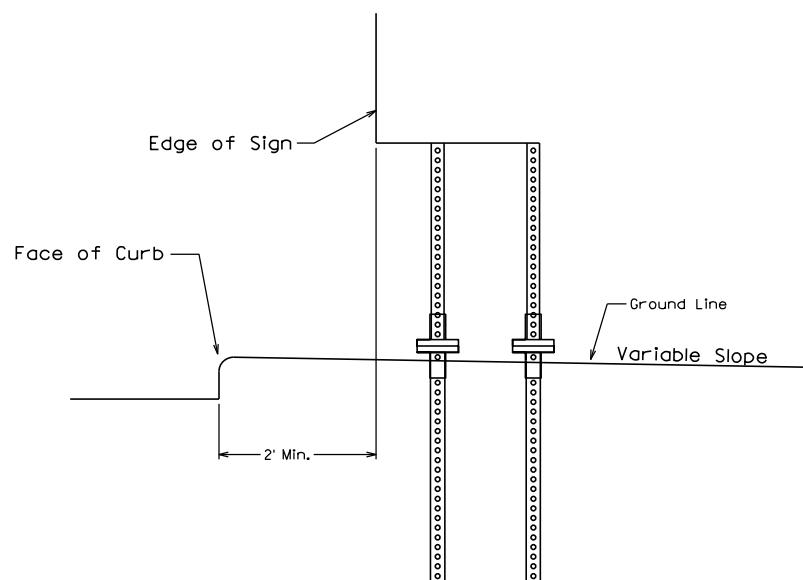
TYPICAL SIGN DETAIL

1:201.391

Plot Scale -

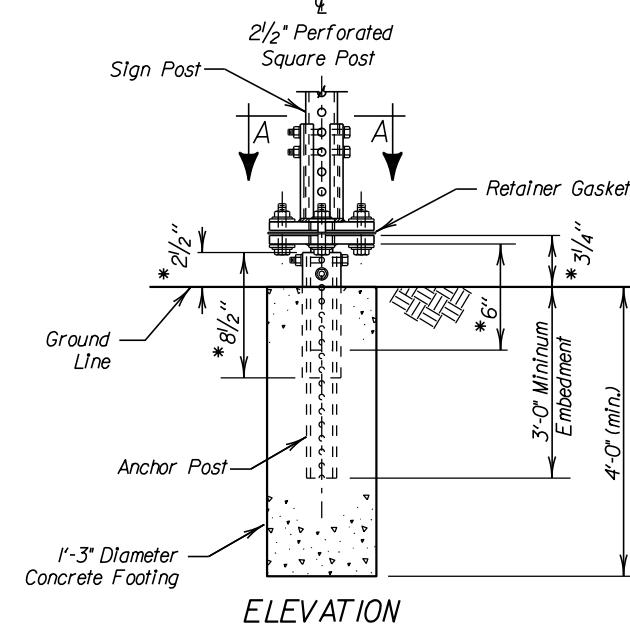


URBAN LOCATION WITH 1 POST
(Drawing shown from face of sign)

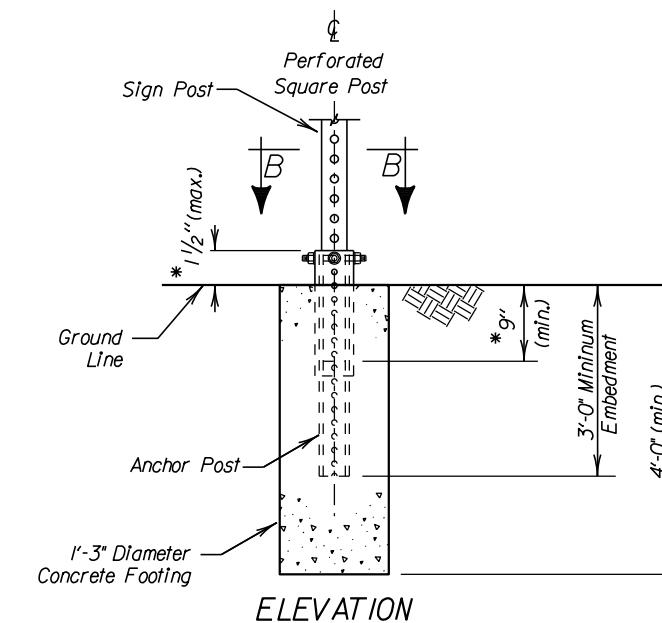


URBAN LOCATION WITH 2 POSTS
(Drawing shown from face of sign)

SLIP BASE DESIGN



STUB POST DESIGN



* Dimensions shown may vary by Manufacturer. The Contractor shall use Manufacturer recommended assembly parts and procedures. Sign installations must meet or exceed NCHRP 350 breakaway requirements and be FHWA approved.

**Single Perforated Square Steel Post
with Concrete Footing Details**

TRAB10100

Plotted From -

PLOT SCALE - 1:200

STATE OF
SOUTH
DAKOTA

PROJECT
P-CR 0028(47)367

SHEET
NO.
S13

TOTAL
SHEETS
S16

Plotting Date: 07/22/2025

PLOT NAME - 1

FILE - \06R7-STANDARD PLATES.DGN

Anchor Post or Slip Base

Examples of 60" Chord Line Clearance Checks

60" R.

120" Diameter (Perimeter of stub height clearance checks)

PLAN VIEW
(Examples of stub height clearance checks)

Top of Anchor Post or Slip Base

60"

Chord Line

Ground Line

4"

4"

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

Published Date: 2026

BREAKAWAY SUPPORT STUB CLEARANCE

PLATE NUMBER
632.18

Sheet 1 of 1

1 1/2 R. (Typ.)

44

105

Opaque Black
ReflectORIZED Green

Opaque Black
ReflectORIZED White

M1-5

STG

SIGN CODE	WxH	A	B	C	D	E	F	M*	N	O
M1-5	24x24	20 1/2	18	2	1 1/2	3 1/2	2 1/2	12D	2	4
M1-5 **	30x24	24	18	2 1/4	1 1/4	3 1/2	2 1/2	12D	2	4
M1-5	30x30	25 5/8	22 1/2	2 1/2	1 7/8	4 1/8	3 1/8	15D	2 1/2	5
M1-5	36x36	30 3/4	27	3	2 1/4	5 1/4	3 3/4	18D	3	6

* In the few cases where there is not enough space for the numerals, the standard D series font may be replaced with C series font if approved by the Engineer.

** 3 Digits

The solid line template depicts a 2 digit state route marker and the dashed line template depicts a 3 digit state route marker.

The dashed line template will be used for state route markers used on guide signs.

A(M1-5)

A(STG or M1-5)

B

TEMPLATE FOR STATE ROUTE MARKER

GENERAL NOTES:

The unit for all dimensions shown is inches.

Numerals will be D series font for all state route markers except as noted above.

December 23, 2019

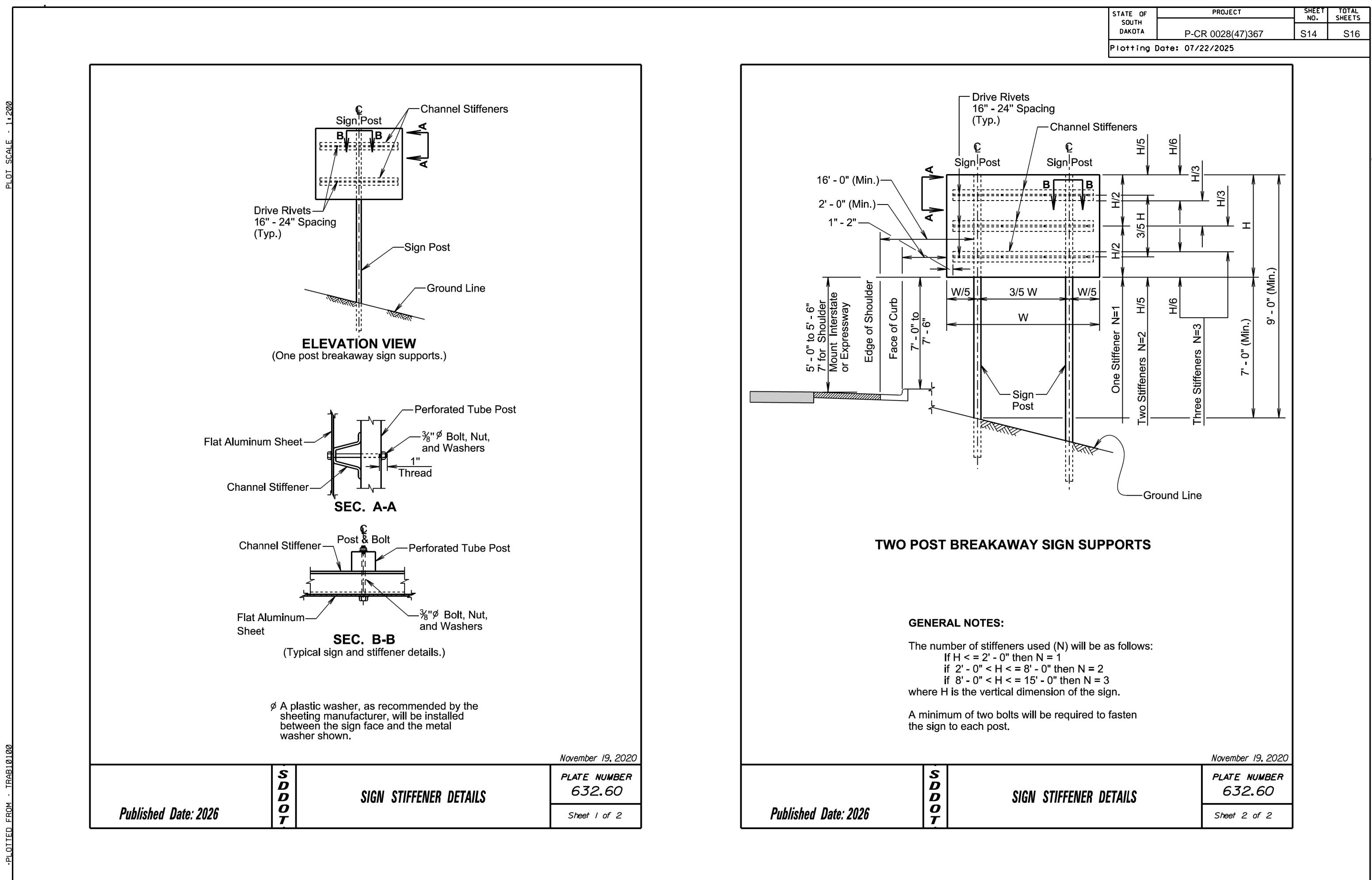
SDOT

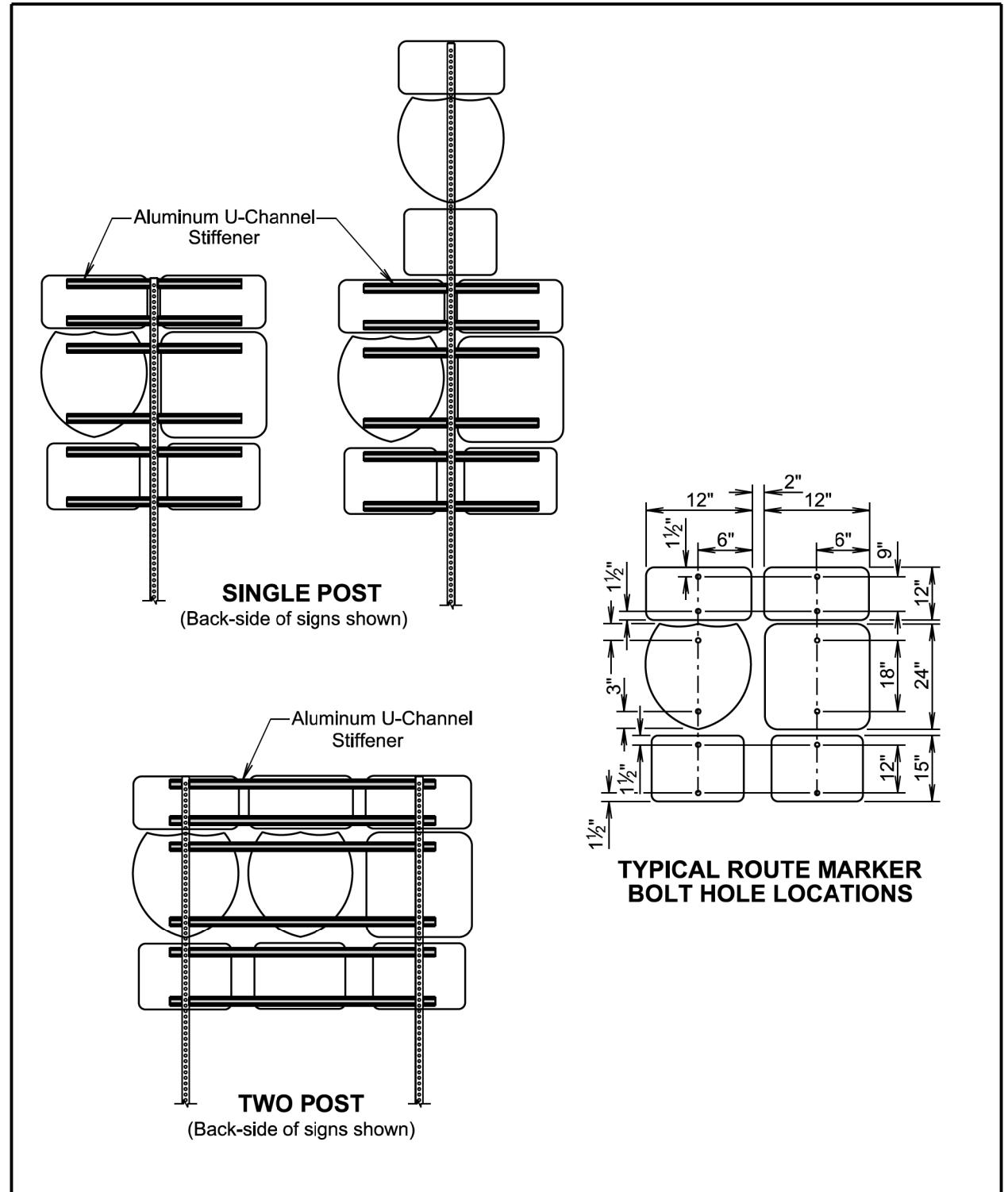
STATE ROUTE MARKERS

PLATE NUMBER
632.20

Sheet 1 of 1

PLOTTED FROM - TRAB10100





November 19, 2020

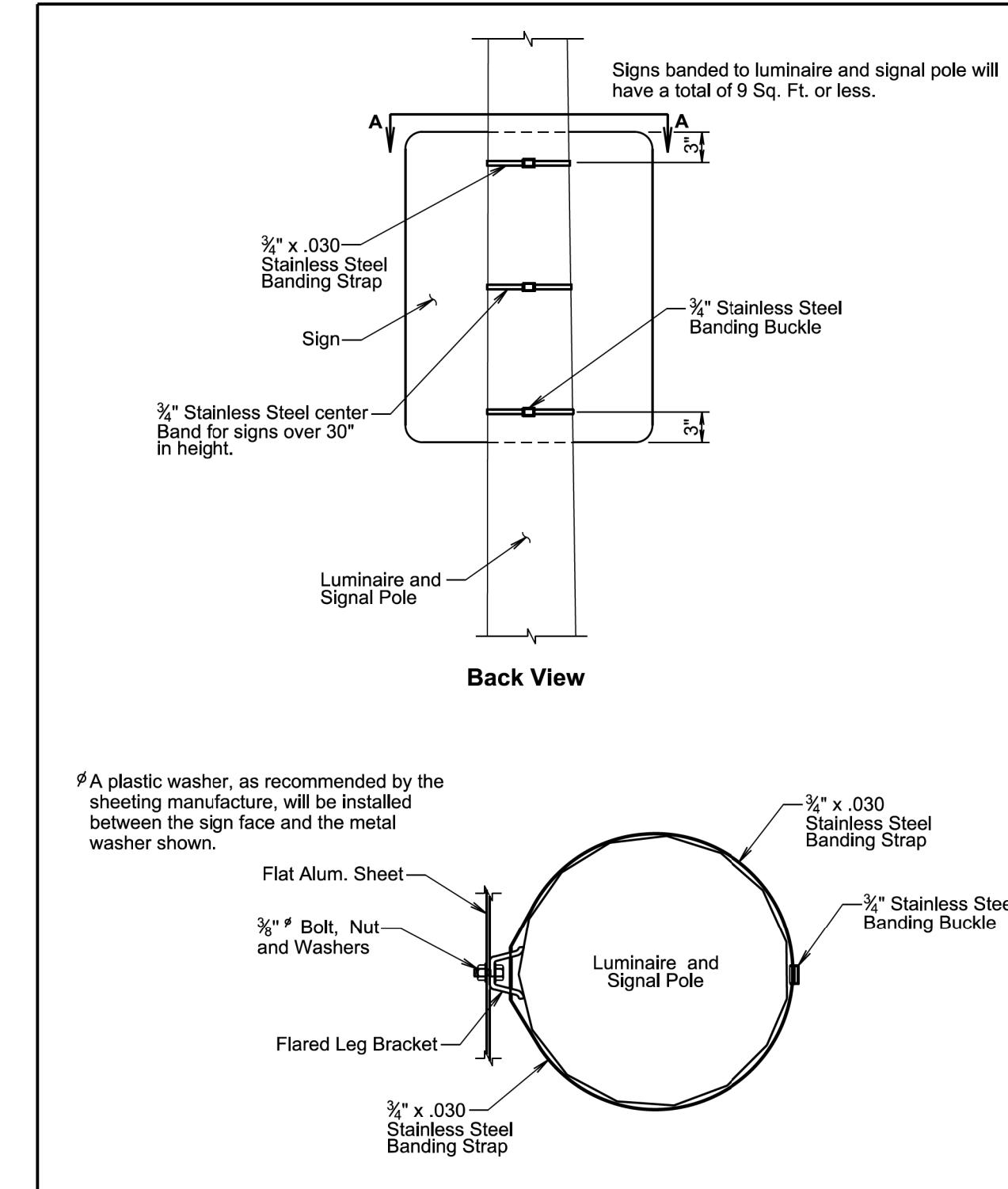
PLATE NUMBER 632.62

Sheet 1 of 1

Published Date: 2026



**MULTIPLE ROUTE MARKER
SIGN STIFFENER INSTALLATION DETAILS**



November 19, 2020

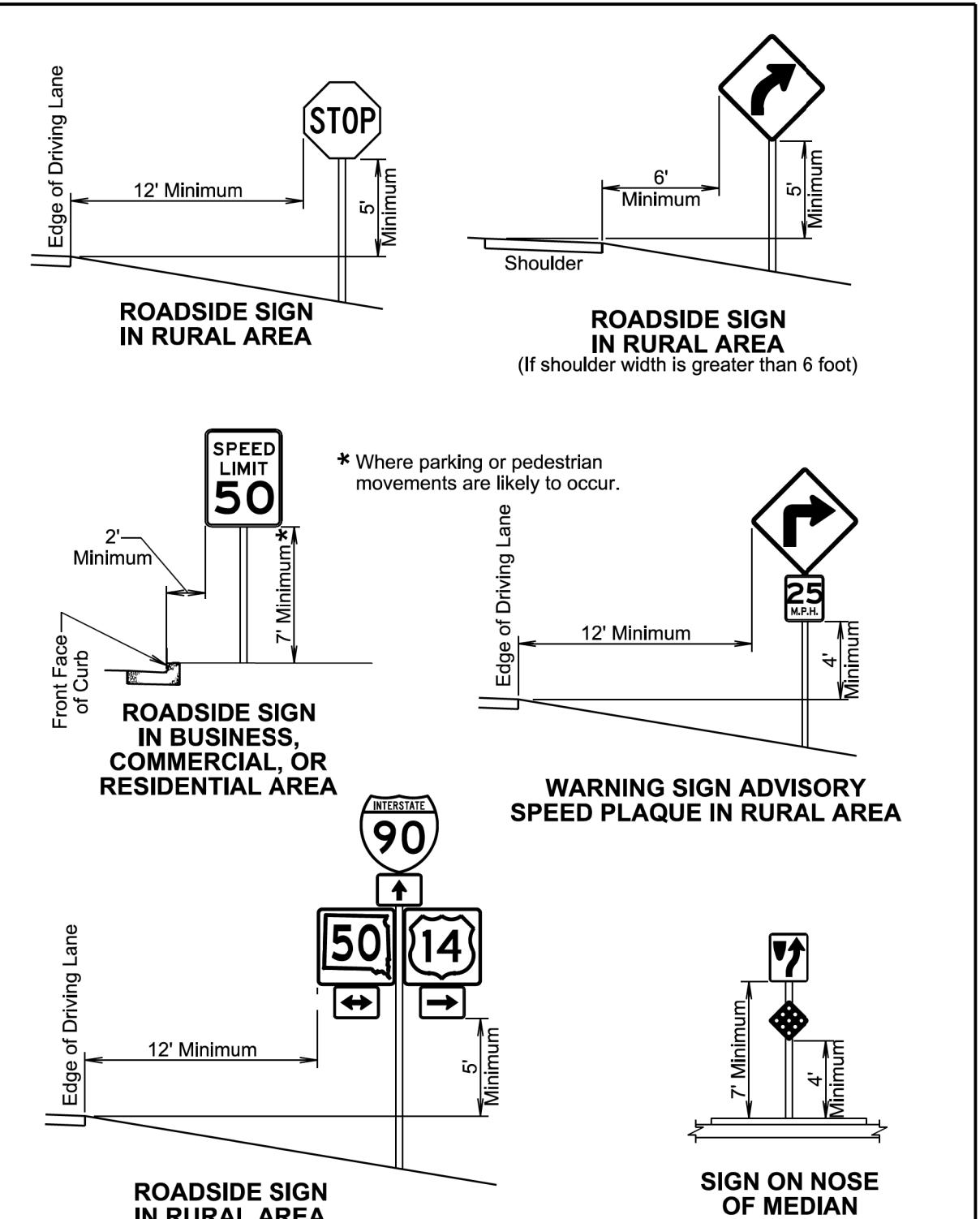
PLATE NUMBER 632.80

Sheet 1 of 1

Published Date: 2026



**BANDING SIGN TO
LUMINAIRE AND SIGNAL POLE**



April 8, 2025

Published Date: 2026	SDOT	OFFSETS FOR SIGN INSTALLATION	PLATE NUMBER 632.90
Sheet 1 of 1			