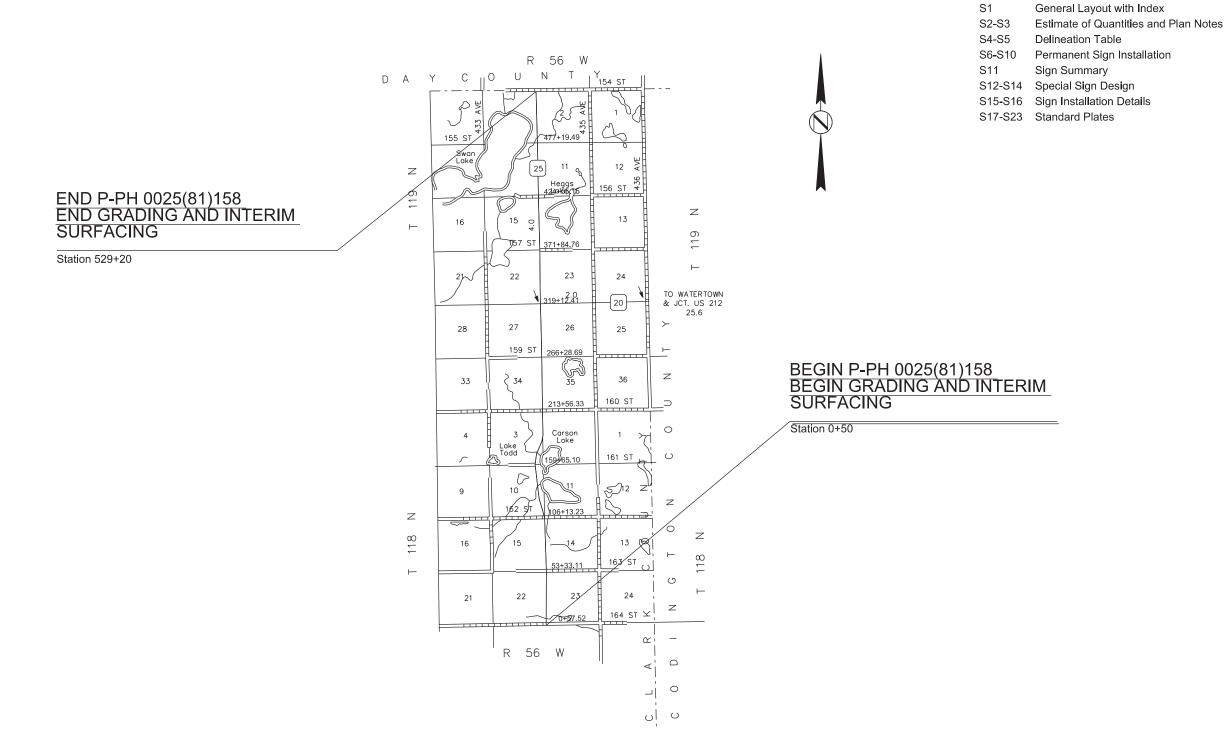
Plotting Date: 10/30/2024

INDEX OF SHEETS

SECTION S: PERMANENT SIGN PLANS



SECTION S – ESTIMATE OF QUANTITIES – PCN 04EW

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0130	Remove Traffic Sign	103	Each
110E0135	Remove Delineator	88	Each
110E7150	Remove Sign for Reset	1	Each
632E1320	2.0"x2.0" Perforated Tube Post	935.0	Ft
632E1340	2.5"x2.5" Perforated Tube Post	50.0	Ft
632E2022	4"x4" White Delineator Back to Back with 1.12 Lb/Ft Post	91	Each
632E2028	4" Tubular White Delineator with 1.12 Lb/Ft Post	22	Each
632E2510	Type 2 Object Marker Back to Back	232	Each
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	321.3	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	198.5	SqFt
632E3500	Reset Sign	1	Each

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".

REMOVE SIGN FOR RESET AND RESET SIGN

Signs that are scheduled for reset will be dismantled and reassembled to the extent needed by the Contractor to properly reset the sign. Signs will be handled with care so that the existing signs, posts, and bases are not damaged during the relocation process. The Contractor will replace and pay for any reset signs damaged in their care. The Contractor will remove and dispose of any existing posts for all reset signs that require use of new posts as shown in the Table of Permanent Signing.

All costs for removing, dismantling, and disposing of any existing posts will be incidental to the contract unit price per each for "Remove Sign for Reset".

All costs for resetting the existing signs will be incidental to the contract unit price per each for "Reset Sign". All quantities for Remove Sign for Reset and Reset Sign will be per assembly at the contract unit price per each.

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, temporarily repositioning, and permanently resetting 911 Emergency Number signs will be included in the contract unit price per each for "Remove Sign for Reset" and "Reset Sign".

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.

STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	P-PH-PT 0025(81)158	S2	S23

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 overlaminate 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	Full Sign	Sheeting			
Type	Replacement Term	Replacement Term			
	(years)	(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.

DIGITALLY PRINTED SIGNS (CONTINUED)

DATE TAGGING SIGNS WITH PERTINENT INFORMATION

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

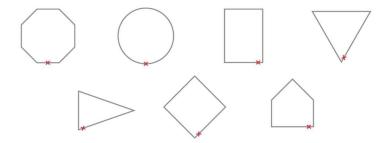
1. Date tags on the back of signs

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.

SQUARE TUBE POST SLEEVE

All 2.5" x 2.5", 10 Gauge perforated tube post will be sleeved with a 2-3/16" x 2-3/16" x 4', 10 Gauge perforated tube post.

WINGED SLIP BASE ANCHOR

The Contractor will furnish and install new winged slip base anchors for 2.5" x 2.5" perforated tube posts as required in the Permanent Signing Table. Winged slip base anchors will be installed using the direct drive method. Winged slip base anchors will consist of a slip base (upper), a 48-inch long winged anchor (lower), and a hardware kit.

TYPE 2 OBJECT MARKERS

All costs associated with the removal of object markers including posts and hardware and the installation of the new back-to-back object markers will be incidental to the contract unit price per each for "type 2 object marker back-to-back".

DELINEATION

Delineation installation and spacing will be done according to Standard Plates 632.42, 632.44, and 632.46.

In accordance to Standard Plate 632.44, 4 tubular white delineators will be installed at each radius of SD 20, and 3 white tubular delineators will be installed at each radius of 155 Street.

Approaches for the junction of SD20 and SD25 will have 3 white delineators each.

Per the discretion of the Engineer, 79 delineators will be installed from Station 320+44 to Station 530+87.

MILEAGE REFERENCE MARKERS

SDDOT will be notified to do Mileage Reference Markers (MRMs) locates prior to project completion by calling the Aberdeen Region Traffic Engineer at (605)626-2245. Payment for this work will be incidental to the various signing contract items.

NO PASSING ZONE SIGNS

SDDOT will be notified to contact the Aberdeen Region Traffic Engineer to do NO PASSING ZONE sign locates a minimum of the 3 weeks prior to project completion. Payment for this work will be incidental to the various signing contract items.

STATE OF			TOTAL SHEETS
SOUTH DAKOTA	P-PH-PT 0025(81)158	S3	S23

STATE OF	PROJECT	SHEET NO.	TOTAL SHEETS
SOUTH DAKOTA	P-PH-PT 0025(81)158	S4	S23
Plotting (Date: 12/22/2023		

Object Marker Table									
	Type 2 Object								
Station	Marker Back-to-	Description							
	Back (Each)	•							
6+52	2	1 Each Side of Road							
6+70	2	1 Each Side of Road							
11+53	2	2 Right Side of Road							
11+60	1	1 Left Side of Road							
11+63	1	1 Right Side of Road							
12+11	1	1 Right Side of Road							
12+14	1	1 Left Side of Road							
12+17	2	2 Right Side of Road							
19+05	2	1 Each Side of Road							
19+15	2	1 Each Side of Road							
20+22	1	1 Right Side of Road							
20+94	1	1 Right Side of Road							
32+22	1	1 Left Side of Road							
32+88	1	1 Left Side of Road							
39+59	2	1 Each Side of Road							
39+97	1	1 Right Side of Road							
39+99	1	1 Left Side of Road							
40+59	1	1 Left Side of Road							
40+61	1	1 Right Side of Road							
43+54	2	1 Each Side of Road							
43+63	2	1 Each Side of Road							
53+01	1	1 Left Side of Road							
53+05	2	2 Right Side of Road							
53+61	2	2 Right Side of Road							
53+65	1	1 Left Side of Road							
64+59	2	1 Each Side of Road							
73+95	1	1 Left Side of Road							
74+60	1	1 Right Side of Road							
89+34	2	1 Each Side of Road							
89+63	1	1 Right Side of Road							
89+68	1	1 Left Side of Road							
90+32	1	1 Left Side of Road							
90+37	1	1 Right Side of Road							
96+86	2	1 Each Side of Road							
105+81	05+81 1 1 Left Side of Road								
106+45	1	1 Left Side of Road							
108+38	2	1 Each Side of Road							
114+68	2	1 Each Side of Road							
118+42	2	1 Each Side of Road							

Object Marker Table									
	Type 2 Object								
Station	Marker Back-to-	Description							
	Back (Each)								
138+35	2	1 Each Side of Road							
141+88	1	1 Left Side of Road							
142+68	1	1 Left Side of Road							
145+63	2	1 Each Side of Road							
146+06	1	1 Left Side of Road							
146+56	1	1 Right Side of Road							
147+06	1	1 Left Side of Road							
147+56	1	1 Right Side of Road							
148+06	1	1 Left Side of Road							
148+56	1	1 Right Side of Road							
149+06	1	1 Left Side of Road							
149+56	1	1 Right Side of Road							
150+06	1	1 Left Side of Road							
150+56	1	1 Right Side of Road							
151+06	1	1 Left Side of Road							
151+56	1	1 Right Side of Road							
152+06	1	1 Left Side of Road							
152+56	1	1 Right Side of Road							
153+06	1	1 Left Side of Road							
153+56	1	1 Right Side of Road							
154+06	1	1 Left Side of Road							
154+56	1	1 Right Side of Road							
155+06	1	1 Left Side of Road							
155+56	1	1 Right Side of Road							
156+06	1	1 Left Side of Road							
156+56	1	1 Right Side of Road							
157+06	1	1 Left Side of Road							
157+56	1	1 Right Side of Road							
158+06	1	1 Left Side of Road							
159+24	1	1 Left Side of Road							
160+06	1	1 Left Side of Road							
160+89	1	1 Right Side of Road							
161+39	1	1 Left Side of Road							
161+89	1	1 Right Side of Road							
162+39	1	1 Left Side of Road							
162+89	1	1 Right Side of Road							
163+39	1	1 Left Side of Road							
163+89	1	1 Right Side of Road							
164+39	1	1 Left Side of Road							

Object Marker Table										
Station	Type 2 Object Marker Back-to- Back (Each)	Description								
164+89	1	1 Right Side of Road								
165+39	1	1 Left Side of Road								
165+89	1	1 Right Side of Road								
166+39	1	1 Left Side of Road								
166+89	1	1 Right Side of Road								
167+39	1	1 Left Side of Road								
167+89	1	1 Right Side of Road								
168+39	1	1 Left Side of Road								
168+89	1	1 Right Side of Road								
169+39	1	1 Left Side of Road								
169+89	1	1 Right Side of Road								
170+39	1	1 Left Side of Road								
170+76	2	1 Each Side of Road								
170+89	1	1 Right Side of Road								
171+08	2	1 Each Side of Road								
171+39	1	1 Left Side of Road								
171+89	1	1 Right Side of Road								
172+39	1	1 Left Side of Road								
172+89	1	1 Right Side of Road								
173+39	1	1 Left Side of Road								
173+89	1	1 Right Side of Road								
174+39	1	1 Left Side of Road								
174+89	1	1 Right Side of Road								
175+39	1	1 Left Side of Road								
175+89	1	1 Right Side of Road								
176+39	1	1 Left Side of Road								
176+61	2	1 Each Side of Road								
176+89	1	1 Right Side of Road								
177+39	1	1 Left Side of Road								
177+89	1	1 Right Side of Road								
178+39	1	1 Left Side of Road								
178+89	1	1 Right Side of Road								
179+39	1	1 Left Side of Road								
179+89	1	1 Right Side of Road								
180+39	1	1 Left Side of Road								
180+89	1 1 Right Side of Road									
181+39	1 1 Left Side of Road									
181+89	1	1 Right Side of Road								
182+39	1	1 Left Side of Road								

STATE OF	PROJECT	SHEET NO.	TOTAL SHEETS
SOUTH DAKOTA	P-PH-PT 0025(81)158	S5	S23
Plotting (Date: 12/22/2023		

Object Marker Table									
Station	Type 2 Object Marker Back-to- Back (Each)	Description							
182+89	1	1 Right Side of Road							
183+39	1	1 Left Side of Road							
183+89	1	1 Right Side of Road							
184+39	1	1 Left Side of Road							
184+89	1	1 Right Side of Road							
185+39	1	1 Left Side of Road							
185+89	1	1 Right Side of Road							
186+39	1	1 Left Side of Road							
186+89	1	1 Right Side of Road							
186+97	2	1 Each Side of Road							
187+39	1	1 Left Side of Road							
187+89	1	1 Right Side of Road							
194+27	1	1 Right Side of Road							
194+36	1	1 Left Side of Road							
194+94	1	1 Left Side of Road							
195+03	1	1 Right Side of Road							
200+87	2	1 Each Side of Road							
213+27	1	1 Right Side of Road							
213+85	1	1 Right Side of Road							
219+21	2	1 Each Side of Road							
239+37	1	1 Left Side of Road							
240+25	1	1 Left Side of Road							
253+30	2	1 Each Side of Road							
255+53	1	1 Left Side of Road							
256+47	1	1 Left Side of Road							
265+89	1	1 Right Side of Road							
266+69	1	1 Right Side of Road							
271+06	2	1 Each Side of Road							
272+94	1	1 Right Side of Road							
273+86	1	1 Right Side of Road							
275+27	1	1 Left Side of Road							
275+89	1	1 Left Side of Road							
289+49	2	1 Each Side of Road							
292+23	1	1 Left Side of Road							
293+15	1	1 Left Side of Road							
299+09	2	1 Each Side of Road							
308+22	2	1 Each Side of Road							
316+21	1	1 Right Side of Road							
317+03	, and the second								

Object Marker Table									
Station	Type 2 Object Marker Back-to-	Description							
	Back (Each)	·							
318+37	2	1 Each Side of Road							
325+12	2	1 Each Side of Road							
335+94	2	1 Each Side of Road							
353+45	1	1 Left Side of Road							
354+55	1	1 Left Side of Road							
355+07	2	1 Each Side of Road							
364+16	2	1 Each Side of Road							
380+30	2	1 Each Side of Road							
396+63	2	1 Each Side of Road							
410+97	1	1 Right Side of Road							
410+97	1	1 Left Side of Road							
411+77	1	1 Right Side of Road							
411+77	1	1 Left Side of Road							
418+40	2	1 Each Side of Road							
424+25	1	1 Left Side of Road							
424+85	1	1 Left Side of Road							
438+85	2	1 Each Side of Road							
451+76	2	1 Each Side of Road							
464+62	2	1 Each Side of Road							
476+06	2	1 Each Side of Road							
482+67	2	1 Each Side of Road							
482+85	2	1 Each Side of Road							
485+75	1	1 Left Side of Road							
486+51	1	1 Left Side of Road							
497+89	2	1 Each Side of Road							
506+64	2	1 Each Side of Road							
516+61	2	1 Each Side of Road							
525+62	2	1 Each Side of Road							
Total	232								

Plotting Date: 12/22/2023

							SD 25	Permar	ent Sig	n Instal	lation T	able					
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)	Remove Sign For Reset (Each)	Reset Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
0+37	Rt	164 St (Two Signs)	D3-1	30	12	5.0		12.0		1		1			N/S	Telespar	Replace Existing Signs with New Signs on New Post
		SD Hwy 25 (Two Signs)	D3-1	40	12	6.7									E/W	· 	
0+53	Lt.	Stop	R1-1	30	30		5.2	12.5		1		1			W	Telespar	Replace Existing Sign with New Signs on New Post
7+64	Rt.	No Passing Zone	W14-3	48X48X3 6								1			N	Telespar	Remove Existing Sign
10+97	Rt.	Mile Marker 159 (Two Signs)	D10-6	4.5	18	1.1		5.0		1		1			N/S	U Channel	Replace Existing Sign with New Sign on New Post at Existing MRM Location
18+79	Lt.	No Passing Zone	W14-3	48X48X3 6								1			S	Telespar	Remove Existing Sign
42+24	Rt.	No Passing Zone	W14-3	48X48X3 6								1			N	Telespar	Remove Existing Sign
53+00	Lt.	No Passing Zone	W14-3	48X48X3 6			5.6	12.0		1		1			S	Telespar	Replace Existing Sign with New Sign on New Post
53+15	Rt	163 St (Two Signs)	D3-1	30	12	5.0		12.0		1		1			N/S	Telespar	Replace Existing Signs with New Signs on New Post
		SD Hwy 25 (Two Signs)	D3-1	40	12	6.7		.2.0		·					E/W	. cicopa.	Topado Ending Ogrio Harrion Ogrio di Total
53+54	Rt.	Stop	R1-1	30	30		5.2	12.5		1		1			E	Telespar	Replace Existing Sign with New Signs on New Post
53+57	Lt.	DEAD END	W14-1	30	30			12.5		1		1			E	Telespar	Remove and Reset Existing Signs and Post (Locate out of DOT ROW)
62+22	Rt.	Mile Marker 160 (Two Signs)	D10-6	4.5	18	1.1		5.0		1		1			N/S	U Channel	Replace Existing Sign with New Sign on New Post at Existing MRM Location
72+23	Lt.	No Passing Zone	W14-3	48X48X3 6								1			S	Telespar	Remove Existing Sign
73+60	Rt.	No Passing Zone	W14-3	48X48X3 6			5.6	12.0		1					N	Telespar	Place New Sign on New Post
74+78	Rt.	No Passing Zone	W14-3	48X48X3 6								1			N	Telespar	Remove Existing Sign
85+82	Lt.	No Passing Zone	W14-3	48X48X3 6								1			S	Telespar	Remove Existing Sign
89+73	Rt.	No Passing Zone	W14-3	48X48X3 6								1			N	Telespar	Remove Existing Sign
98+33	Rt.	Left Curve Arrow	W1-2L	30	30		6.3	12.5		1					s	Telespar	Place New Sign on New Post
99+05	Rt.	Left Curve Arrow	W1-2L	30	30							1			s	Telespar	Remove Existing Sign
		South	M3-3	24	12	2.0											
104+84	Lt	SD 25	M1-5	24	24	4.0		12.0		1		1			N	Telespar	Replace Existing Sign with New Signs on New Post
		162 St (Two Signs)	D3-1	30	12	5.0									N/S		
105+74	Rt.	SD Hwy 25 (Two Signs)	D3-1	40	12	6.7		12.0		1		1			E/W	Telespar	Replace Existing Signs with New Signs on New Post
106+06	Lt.	Stop	R1-1	30	30		5.2	12.5		1		1			W	Telespar	Replace Existing Sign with New Signs on New Post
106+27	Rt.	Stop	R1-1	30	30		5.2	12.5		1		1			E	Telespar	Replace Existing Sign with New Signs on New Post
		North	M3-1	24	12	2.0											
106+48	Rt.	SD 25	M1-5	24	24	4.0		12.0		1		1			S	Telespar	Replace Existing Sign with New Signs on New Post
	Rt.	No Passing Zone	W14-3	48X48X3 6											N		Remove Existing Sign
110+78	Lt.	Right Curve Arrow	W1-2R	30	30		6.3	12.5		1					N	Telespar	Place New Sign on New Post
111+28	Lt.	Right Curve Arrow	W1-2R	30	30							1			N	Telespar	Remove Existing Sign
115+00	Rt.	Mile Marker 161	D10-6	4.5	18	1.1		5.0		1		1			N/S	U Channel	Replace Existing Sign with New Sign on New Post at Existing MRM
118+80	Lt.	(Two Signs) No Passing Zone	W14-3	48X48X3								1			S	Telespar	Location Remove Existing Sign
134+66	Rt.	No Passing Zone	W14-3	6 48X48X3								1			N	Telespar	Remove Existing Sign
137+11	Lt.	No Passing Zone	W14-3	6 48X48X3 6								1			S	Telespar	Remove Existing Sign

PLOT SCALE - 1:

OTTED FROM - TRAB10100

Plotting Date: 12/22/2023

SD 25 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)	Remove Sign For Reset (Each)	Reset Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks
154+00	Rt.	Right Curve Arrow	W1-2R	30	30							1			S	Telespar	Remove Existing Sign
154+25	Rt.	Right Curve Arrow	W1-2R	30	30		6.3	12.5		1					S	Telespar	Place New Sign on New Post
159+59	Lt	161 St (Two Signs)	D3-1	30	12	5.0		12.0		1		1			N/S	Telespar	Replace Existing Signs with New Signs on New Post
		SD Hwy 25 (Two Signs)	D3-1	40	12	6.7		.2.0		·					E/W	. 5155541	Topico Litting Ogilo IIII Toli Ogilo Oli Toli Tota
		MINIMUM MAINTENANCE															
159+89	Lt.	TRAVEL AT YOUR OWN RISK								2		1			E	Telespar	Remove and Reset Existing Signs and Post (Locate out of DOT ROW)
		30 MPH	W13-1P	18	18												
168+57	Rt.	Mile Marker 162 (Two Signs)	D10-6	4.5	18	1.1		5.0		1		1			N/S	U Channel	Replace Existing Sign with New Sign on New Post at Existing MRM Location
174+28	Rt.	No Passing Zone	W14-3	48X48X36								1			N	Telespar	Remove Existing Sign
174+95	Lt.	Left Curve Arrow	W1-2L	30	30		6.3	12.5		1					N	Telespar	Place New Sign on New Post
175+57	Lt.	Left Curve Arrow	W1-2L	30	30							1			N	Telespar	Remove Existing Sign
176+71	Rt.	Left Curve Arrow	W1-2L	30	30							1			N	Telespar	Remove Existing Sign
179+00	Rt.	Left Curve Arrow	W1-2L	30	30		6.3	12.5		1					N	Telespar	Place New Sign on New Post
187+01	Lt.	No Passing Zone	W14-3	48X48X36								1			s	Telespar	Remove Existing Sign
196+70	Lt.	Right Curve Arrow	W1-2R	30	30		6.3	12.5		1					N	Telespar	Place New Sign on New Post
198+20	Lt.	Right Curve Arrow	W1-2R	30	30							1			N	Telespar	Remove Existing Sign
204+44	Rt.	No Passing Zone	W14-3	48X48X36								1			N	Telespar	Remove Existing Sign
206+79	Lt.	No Passing Zone	W14-3	48X48X36								1			S	Telespar	Remove Existing Sign
213+34	Rt	160 St (Two Signs)	D3-1	30	12	5.0		12.0		1		1			N/S	Telespar	Replace Existing Signs with New Signs on New Post
213134	IXI.	SD Hwy 25 (Two Signs)	D3-1	40	12	6.7		12.0		-		'			E/W	reiespai	Replace Existing Signs with New Signs on New Fost
213+38	Lt.	Stop	R1-1	30	30		5.2	12.5		1		1			W	Telespar	Replace Existing Sign with New Signs on New Post
213+76	Rt.	Stop	R1-1	30	30		5.2	12.5		1		1			E	Telespar	Replace Existing Sign with New Signs on New Post
220+78	Rt.	Mile Marker 163 (Two Signs)	D10-6	4.5	18	1.1		5.0		1		1			N/S	U Channel	Replace Existing Sign with New Sign on New Post at Existing MRM Location
222+63	Rt.	No Passing Zone	W14-3	48X48X36								1			N	Telespar	Remove Existing Sign
224+85	Lt.	No Passing Zone	W14-3	48X48X36								1			S	Telespar	Remove Existing Sign
245+43	Rt.	No Passing Zone	W14-3	48X48X36								1			N	Telespar	Remove Existing Sign
252+43	Lt.	No Passing Zone	W14-3	48X48X36								1			s	Telespar	Remove Existing Sign
272+40	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12.0		1					S	Telespar	Place New Sign on New Post
266+10	Rt.	159 St (Two Signs) SD Hwy 25 (Two Signs)	D3-1	30 40	12 12	5.0 6.7		12.0		1		1			N/S E/W	Telespar	Replace Existing Signs with New Signs on New Post
269+40	Lt.	No Passing Zone	W14-3	48X48X36								1			S	Telespar	Remove Existing Sign
272+29	Rt.	No Passing Zone	W14-3	48X48X36								1			N	Telespar	Remove Existing Sign
273+83	Rt.	Mile Marker 164 (Two Signs)	D10-6	4.5	18	1.1		5.0		1		1			N/S	U Channel	Replace Existing Sign with New Sign on New Post at Existing MRM Location
290+90	Lt.	No Passing Zone	W14-3	48X48X36								1			S	Telespar	Remove Existing Sign
291+40	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12.0		1					N	Telespar	Place New Sign on New Post
292+06	Rt.	No Passing Zone	W14-3	48X48X36								1			N	Telespar	Remove Existing Sign

LOTTED FROM - TRAB10100

Plotting Date: 12/22/2023

	SD 25 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)	Remove Sign For Reset (Each)	Reset Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks	
303+35	Lt.	No Passing Zone	W14-3	48X48X3 6								1			S	Telespar	Remove Existing Sign	
310+40	Rt.	JCT	M2-1	21	15	2.2		12.5		1		1			s	Telespar	Replace Existing Sign with New Signs on New Post	
310+40	Nt.	SD 20	M1-5	24	24	4.0		12.5				'			3	reiespai	Replace Existing Sign with New Signs on New Post	
311+80	Lt.	Speed Limit 65	R2-1X	24	30	5.0		12.0		1		1			N	Telespar	Replace Existing Sign with New Sign on New Post	
312+38	Rt.	^ Webster 17 < Bradley 5 Wallace 3>	D1-2	72	42	21.0			25.0		2	1			N	Telespar	Replace Existing Signs with New Signs on New Post	
		SD 20	M1-5	24	24	4.0												
314+44	Rt.	Horizontal Double Arrow	M6-4	21	15	2.2		25.0		2		1			s	Telespar	Replace Existing Sign with New Sign on New Post	
314.44	IXC.	SD 25	M1-5	24	24	4.0		25.0								Тогоораг	replace Existing Oigh with New Oigh of New 1 Ost	
		Vertical Arrow	M6-3	21	15	2.2												
316+11	Lt.	South	M3-3	24	12	2.0		12.0		1		1			N	Telespar	Replace Existing Sign with New Signs on New Post	
310+11	Lt.	SD 25	M1-5	24	24	4.0		12.0		'] '			IN	reiespai	Replace Existing Sign with New Signs on New Post	
317+81	Rt.	No Passing Zone	W14-3	48X48X3 6								1			N	Telespar	Remove Existing Sign	
318+45	Rt.	SD Hwy 20 (Two Signs)	D3-1	40	12	6.7		12.0		1		1			N/S	Tolognor	Danless Evisting Cigns with New Cigns on New Post	
310+45	Kt.	SD Hwy 25 (Two Signs)	D3-1	40	12	6.7		12.0		'] '			E/W	Telespar	Replace Existing Signs with New Signs on New Post	
		SD 25	M1-5	24	24	4.0												
240.04	Dt	Horizontal Double Arrow	M6-4	21	15	2.2		25.0		2		1			w	Talaanan	Dealess Frieding Cine with New Cine on New Deat	
318+61	Rt.	SD 20	M1-5	24	24	4.0		25.0		2		1			VV	Telespar	Replace Existing Sign with New Sign on New Post	
		Vertical Arrow	M6-3	21	15	2.2												
318+86	Lt.	Stop	R1-1	36	36		7.5	25.0		2		1			W	Telespar	Replace Existing Sign with New Signs on New Post	
319+49	Rt.	Stop	R1-1	36	36		7.5	25.0		2		1			W	Telespar	Replace Existing Sign with New Signs on New Post	
		SD 25	M1-5	24	24	4.0												
240.70		Horizontal Double Arrow	M6-4	21	15	2.2		25.0		2		1			_	Talaanan	Daniesa Friedrica Circa with Many Circa an Many Danie	
319+78	Lt.	SD 20	M1-5	24	24	4.0		25.0		2		1			E	Telespar	Replace Existing Sign with New Sign on New Post	
		Vertical Arrow	M6-3	21	15	2.2												
320+46	Lt.	THINK SIGN WHY DIE?										1			S	Telespar	Remove Existing Sign	
	5.	North	M3-1	24	12	2.0		40.0		,		,						
320+89	Rt.	SD 25	M1-5	24	24	4.0		12.0		1		1			S	Telespar	Replace Existing Sign with New Signs on New Post	
		SD 20	M1-5	24	24	4.0												
000.50		Horizontal Double Arrow	M6-4	21	15	2.2		05.0								T. I.	D. I. E. G. C. W. N. C. W. D. I.	
322+56	Lt.	SD 25	M1-5	24	24	4.0		25.0		2		1			N	Telespar	Replace Existing Sign with New Sign on New Post	
		Vertical Arrow	M6-3	21	15	2.2												
323+84	Lt.	^Jct US 212 16 < Watertown 28 Bradley 5>	D1-2	102	54	38.3			25.0		2	1			N	Telespar	Replace Existing Signs with New Signs on New Post	
326+04	Rt.	Mile Marker 165 (Two Signs)	D10-6	4.5	18	1.1		5.0		1		1			N/S	Telespar	Replace Existing Sign with New Sign on New Post at Existing MRM Location	
200 :-		JCT	M2-1	21	15	2.2		40.5								\	Location	
328+18	Lt.	SD 20	M1-5	24	24	4.0		12.5		1		1			S	Wood	Replace Existing Sign with New Signs on New Post	

DOM - TBAB1a1aa

Plotting Date: 12/22/2023

	SD 25 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)	Remove Sign For Reset (Each)	Reset Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks	
336+63	Rt.	No Passing Zone	W14-3	48X48X3 6								1			N	Wood	Remove Existing Sign	
337+40	Lt.	No Passing Zone	W14-3	48X48X3 6			5.6	12.0		1					s	Telespar	Place New Sign on New Post	
364+80	Rt.	No Passing Zone	W14-3	48X48X3 6			5.6	12.0		1					N	Telespar	Place New Sign on New Post	
375+00	Lt.	No Passing Zone	W14-3	48X48X3 6			5.6	12.0		1					s	Telespar	Place New Sign on New Post	
366+28	Rt.	No Passing Zone	W14-3	48X48X3 6								1			N	Telespar	Remove Existing Sign	
274.55	Dt	157 St (Two Signs)	D3-1	30	12	5.0		40.0		4		4			N/S	Talaaaa	Dealess Frieding Cines with New Cines on New Deat	
371+55	Rt.	SD Hwy 25 (Two Signs)	D3-1	40	12	6.7		12.0		1		1			E/W	Telespar	Replace Existing Signs with New Signs on New Post	
371+60	Lt.	Stop	R1-1	30	30		5.2	12.5		1		1			W	Telespar	Replace Existing Sign with New Signs on New Post	
371+63	Rt.	DEAD END	W14-1	30	30			12.5		1		1			w	Telespar	Remove and Reset Existing Signs and Post (Locate out of DOT ROW)	
372+03	Lt.	DEAD END	W14-2	30	30			12.5		1		1			E	Telespar	Remove and Reset Existing Signs and Post (Locate out of DOT ROW)	
372+08	Rt.	Stop	R1-1	30	30		5.2	12.5		1		1			E	Telespar	Replace Existing Sign with New Signs on New Post	
376+38	Lt.	No Passing Zone	W14-3	48X48X3 6								1			S	Telespar	Remove Existing Sign	
397+40	Lt.	No Passing Zone	W14-3	48X48X3 6			5.6	12.0		1					S	Telespar	Place New Sign on New Post	
379+22	Rt.	Mile Marker 166 (Two Signs)	D10-6	4.5	18	1.1		5.0		1		1			N/S	Telespar	Replace Existing Sign with New Sign on New Post at Existing MRM Location	
395+67	Lt.	No Passing Zone	W14-3	48X48X3 6								1			S	Telespar	Remove Existing Sign	
398+80	Rt.	No Passing Zone	W14-3	48X48X3 6			5.6	12.0		1					N	Telespar	Place New Sign on New Post	
399+36	Rt.	No Passing Zone	W14-3	48X48X3 6								1			N	Telespar	Remove Existing Sign	
416+20	Rt.	No Passing Zone	W14-3	48X48X3 6			5.6	12.0		1					N	Telespar	Place New Sign on New Post	
416+68	Rt.	No Passing Zone	W14-3	48X48X3 6								1			N	Telespar	Remove Existing Sign	
417+25	Lt.	No Passing Zone	W14-3	48X48X3 6								1			S	Telespar	Remove Existing Sign	
419+40	Lt.	No Passing Zone	W14-3	48X48X3 6			5.6	12.0		1					S	Telespar	Place New Sign on New Post	
		156 St (Two Signs)	D3-1	30	12	5.0									N/S			
424+26	Rt.	SD Hwy 25 (Two Signs)	D3-1	40	12	6.7		12.0		1		1			E/W	Telespar	Replace Existing Signs with New Signs on New Post	
424+31	Rt.	DEAD END	W14-1	30	30			12.5		1		1			W	Telespar	Remove and Reset Existing Signs and Post (Locate out of DOT ROW)	
424+35	Lt.	Stop	R1-1	30	30		5.2	12.5		1		1			E	Telespar	Replace Existing Sign with New Signs on New Post	
424+70	Lt.	Stop	R1-1	30	30		5.2	12.5		1		1			W	Telespar	Replace Existing Sign with New Signs on New Post	
424+75	Lt.	DEAD END	W14-2	30	30			12.5		1		1			E	Telespar	Remove and Reset Existing Signs and Post (Locate out of DOT ROW)	
431+93	Rt.	Mile Marker 167 (Two Signs)	D10-6	4.5	18	1.1		5.0		1		1			N/S	Telespar	Replace Existing Sign with New Sign on New Post at Existing MRM Location	
440+40	Rt.	No Passing Zone	W14-3	48X48X3 6			5.6	12.0		1					N	Telespar	Place New Sign on New Post	
441+23	Rt.	No Passing Zone	W14-3	48X48X3 6								1			N	Telespar	Remove Existing Sign	
		155 St (Two Signs)	D3-1	30	12	5.0									N/S			
476+88	Rt.	SD Hwy 25 (Two Signs)	D3-1	40	12	6.7		12.0		1		1			E/W	Telespar	Replace Existing Signs with New Signs on New Post	
477+38	Rt.	Stop	R1-1	30	30		5.2	12.5		1		1			E	Telespar	Replace Existing Sign with New Signs on New Post	
484+51	Rt.	Mile Marker 168	D10-6	4.5	18	1.1		5.0		1		1			N/S	Telespar	Replace Existing Sign with New Sign on New Post at Existing MRM Location	
490+87	Lt.	(Two Signs) No Passing Zone	W14-3	48X48X3								1			s	Telespar	Location Remove Existing Sign	
		<u>~</u>		6								1	1			•		

PLOT SCALE - 1

LUIIEU FRUM - IRABIBIBB

Plotting Date: 12/22/2023

							SD 25	Perman	ent Sig	n Instal	lation T	able						
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)	Remove Sign For Reset (Each)	Reset Sign (Each)	Direction Sign Faces	Current Type of Post	Remarks	
492+60	Lt.	No Passing Zone	W14-3	48X48X36			5.6	12.0		1					S	Telespar	Place New Sign on New Post	
493+19	Rt.	PUBLIC WATER ACCESS <		38	42	11.1		12.5		1		1			S	Telespar	Replace Existing Sign with New Signs on New Post	
510+20	Rt.	No Passing Zone	W14-3	48X48X36			5.6	12.0		1					N	Telespar	Place New Sign on New Post	
511+18	Rt.	No Passing Zone	W14-3	48X48X36								1			N	Telespar	Remove Existing Sign	
513+13	Lt.	No Passing Zone	W14-3	48X48X36								1			S	Telespar	Remove Existing Sign	
514+04	Lt.	PUBLIC WATER ACCESS >		38	42	11.1		12.5		1		1			S	Telespar	Replace Existing Sign with New Signs on New Post	
527+07	Lt.	No Passing Zone	W14-3	48X48X36								1			S	Wood	Remove Existing Sign	
528+74	Lt.	CLARK COUNTY		30	18	3.8		12.5		1		1			N	Telespar	Replace Existing Sign with New Signs on New Post	
529+39	Lt.	Stop	R1-1	30	30		5.2	12.5		1		1			W	Telespar	Replace Existing Sign with New Signs on New Post	
529+75	Rt.	Stop	R1-1	30	30		5.2	12.5		1		1			Е	Telespar	Replace Existing Sign with New Signs on New Post	
		154 St (Two Signs)	D3-1	30	12	5.0		40.0							N/S			
528+85	Rt.	SD Hwy 25 (Two Signs)	D3-1	40	12	6.7		12.0		1		1			E/W	Telespar	Replace Existing Signs with New Signs on New Post	
		DAY COUNTY		30	18	3.8		40.5		,		1					Replace Existing Sign with New Signs on New Post	
530+09	Rt	Day County A Purple Heart County		36	24			12.5		1			1	1	S	Telespar	Reset Sign	
	'				TOTAL	321.2	198.5	935.0	50	84.0	4	103	1	1				

מפיפוסיסד

Sign Summary SD 25

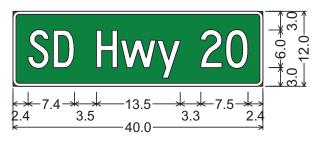
Sign Code	Description	Width (Inches)	Height (Inches)	Sq. Ft.	No.	Flat Aluminum Sign, Nonremovable Copy High Intensity (SQFT)	Flat Aluminum Sign, Nonremovable Copy Super or Very High Intensity (SQFT)	Text / Background
D10-6	Mile Markers 159-168 (Two Signs for Each)	4.5	18	0.56	20	11.3		White on Green
D1-2	^ Webster 17 < Bradley 5 Wallace 3>	72	42	21.0	1	21.0		White on Green
D1-2	^ Jct US 212 16 < Watertown 28 Bradley 5>	102	54	38.3	1	38.3		White on Green
D3-1	Street Sign SD Hwy 25 (Two Signs for Each)	40	12	3.3	22	73.3		White on Green
D3-1	Street Sign SD Hwy 20 (Two Signs for Each)	40	12	3.3	2	6.7		White on Green
D3-1	Street Signs 154 St - 157 St, 159 St - 164 St (Two Signs for Each)	30	12	2.5	20	50.0		White on Green
M1-5	SD 20	24	24	4.0	6	24.0		See Standard Plate 632.20
M1-5	SD 25	24	24	4.0	8	32.0		See Standard Plate 632.20
M1-6	CLARK COUNTY	30	18	3.8	1	3.8		White on Green
M1-6	DAY COUNTY	30	18	3.8	1	3.8		White on Green
M2-1	Junction Marker	21	15	2.2	2	4.4		Black on White/Green Bord
M3-1	North	24	12	2.0	2	4.0		Black on White/Green Bord
M3-3	South	24	12	2.0	2	4.0		Black on White/Green Bord
M6-3	Vertical Arrow	21	15	2.2	4	8.8		Black on White/Green Bord
M6-4	Horizontal Double Arrow	21	15	2.2	4	8.8		Black on White/Green Bord
R1-1	Stop	30	30	5.2	13		67.6	White on Red
R1-1	Stop	36	36	7.5	2		15.0	White on Red
R2-1X	Speed Limit 65	24	30	5.0	1	5.0		Black on White
W1-2L	Left Curve Arrow	30	30	6.3	3		18.8	Black on Fluorescent Yello
W1-2R	Right Curve Arrow	30	30	6.3	3		18.8	Black on Fluorescent Yello
W14-3	No Passing Zone	48X4	18X36	5.6	14		78.4	Black on Fluorescent Yello
	PUBLIC WATER ACCESS>	38	42	11.1	1	11.1		White on Brown
	< PUBLIC WATER ACCESS	38	42	11.1	1	11.1		White on Brown
		ı		1	Totals	321.3	198.5	

STATE OF PROJECT SHEET TOTAL NO. SHEETS

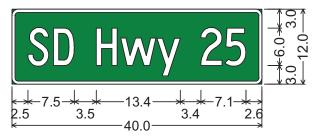
SOUTH DAKOTA P-PH-PT 0025(81)158 S12 S23

Plotting Date: 12/22/2023

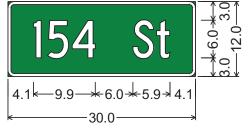
SPECIAL SIGN LAYOUT



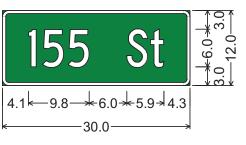
1.0" Radius, 0.5" Border, White on Green; "SD", C 2K 70% spacing; "Hwy", C 2K 70% spacing; "20", C 2K 70% spacing;



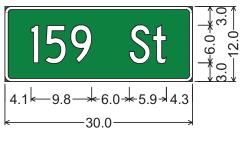
1.0" Radius, 0.5" Border, White on Green; "SD", C 2K 70% spacing; "Hwy", C 2K 70% spacing; "25", C 2K 70% spacing;



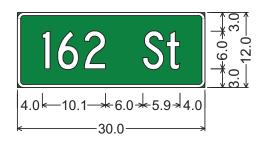
1.0" Radius, 0.5" Border, White on Green; "154 St", C 2K;



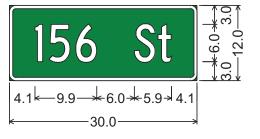
1.0" Radius, 0.5" Border, White on Green; "155 St", C 2K;



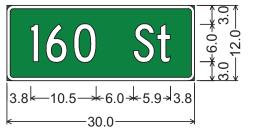
1.0" Radius, 0.5" Border, White on Green; "159 St", C 2K;



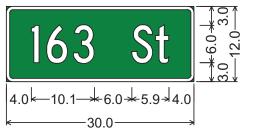
1.0" Radius, 0.5" Border, White on Green; "162 St", C 2K;



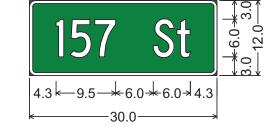
1.0" Radius, 0.5" Border, White on Green; "156 St", C 2K;



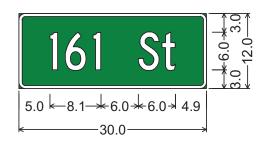
1.0" Radius, 0.5" Border, White on Green; "160 St", C 2K;



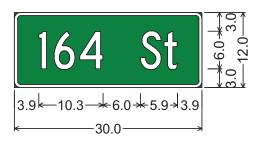
1.0" Radius, 0.5" Border, White on Green; "163 St", C 2K;



1.0" Radius, 0.5" Border, White on Green; "157 St". C 2K:



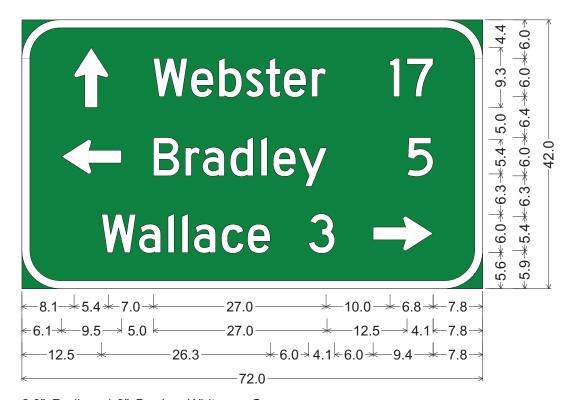
1.0" Radius, 0.5" Border, White on Green; "161 St", C 2K;



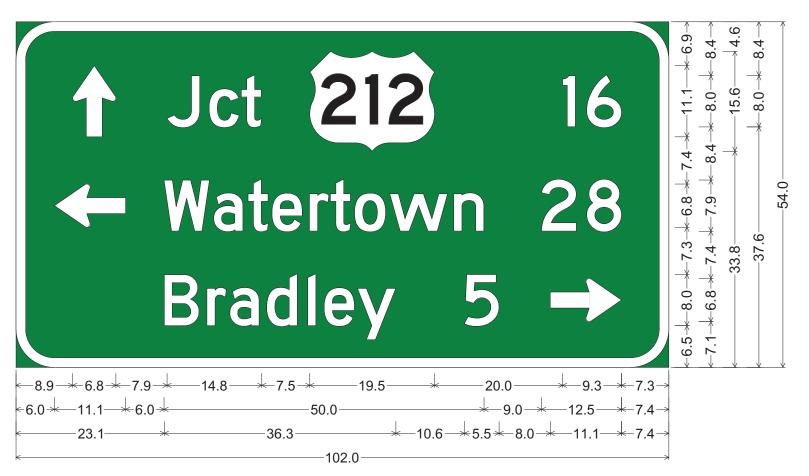
1.0" Radius, 0.5" Border, White on Green; "164 St", C 2K;

STATE OF	PROJECT	SHEET NO.	TOTAL SHEETS								
SOUTH		140.	SHEETS								
DAKOTA	P-PH-PT 0025(81)158	S13	S23								
Plotting Date: 12/22/2023											

SPECIAL SIGN LAYOUT



6.0" Radius, 1.3" Border, White on Green; Standard Arrow 2 9.4" X 5.4" 90°; "Webster", D 2K; "17", D 2K; Standard Arrow 2 9.4" X 5.4" 180°; "Bradley", D 2K; "5", D 2K; "Wallace", D 2K; "3", D 2K; Standard Arrow 2 9.4" X 5.4" 0°;

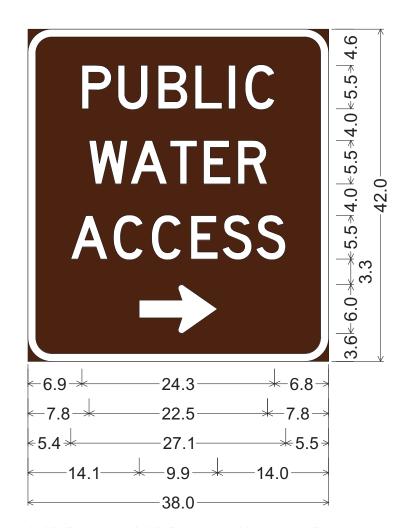


6.0" Radius, 1.5" Border, White on Green; Standard Arrow 2.5 11.1" X 6.8" 90°; "Jct", D 2K; "16", D 2K; Standard Arrow 2.5 11.1" X 6.8" 180°; "Watertown", D 2K; "28", D 2K; "Bradley", D 2K; "5", D 2K; Standard Arrow 2.5 11.1" X 6.8" 0°;

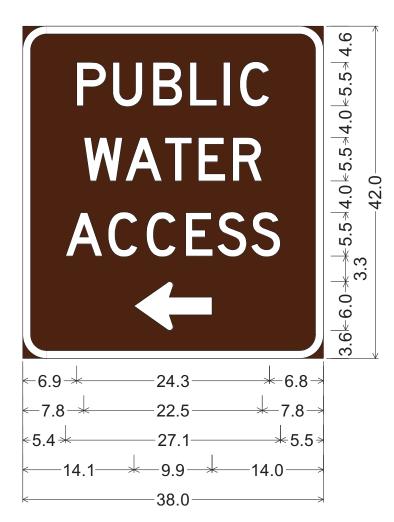
INTIEN FROM - TRABIBIDA

STATE OF	PROJECT	SHEET NO.	TOTAL SHEETS								
SOUTH	D DI DT 0005/04)450										
DAKOTA	P-PH-PT 0025(81)158	S14	S23								
Plotting Date: 12/22/2023											

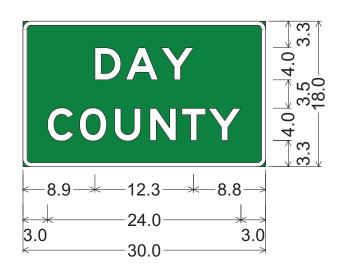
SPECIAL SIGN LAYOUT



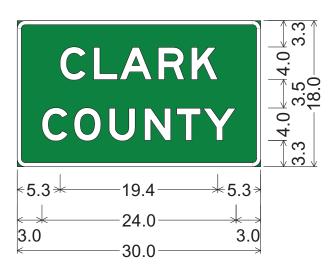
3.0" Radius, 1.0" Border, White on Brown; "PUBLIC", D 2K; "WATER", D 2K; "ACCESS", D 2K; Standard Arrow 2.25 9.9" X 6.1" 0°;



3.0" Radius, 1.0" Border, White on Brown; "PUBLIC", D 2K; "WATER", D 2K; "ACCESS", D 2K; Standard Arrow 2.25 9.9" X 6.1" 180°;



1.0" Radius, 0.5" Border, White on Green; "DAY", E Mod 2K; "COUNTY", E Mod 2K;



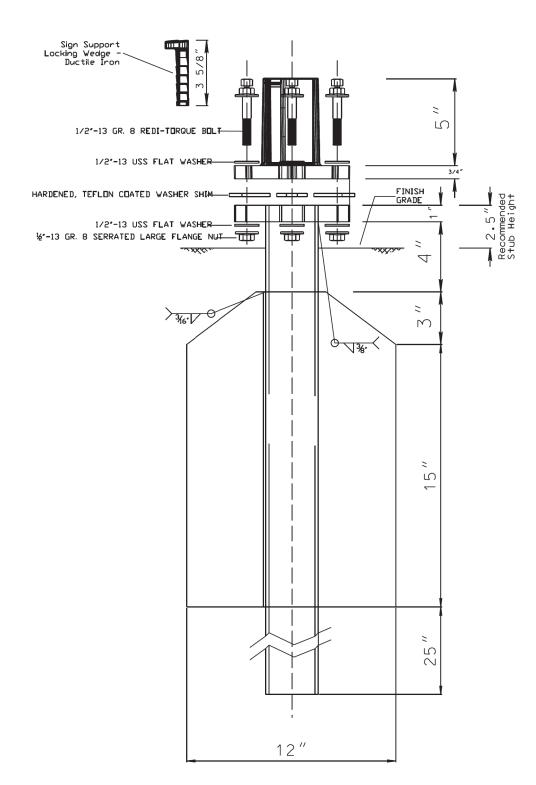
1.0" Radius, 0.5" Border, White on Green; "CLARK", E Mod 2K; "COUNTY", E Mod 2K;

LOTTED FROM - TRAB10100

NOTE: A 3-piece base assembly is shown, however, a 2-piece (Hog Leg) assembly may also be used.

SOUTH	STATE OF	PROJECT	SHEET NO.	TOTAL SHEETS
F-F11-F1 0023(81)136 310 3	SOUTH DAKOTA	P-PH-PT 0025(81)158	S16	S23

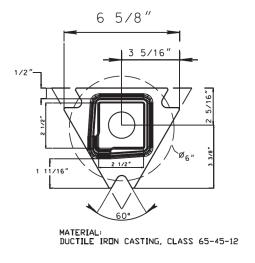
Plotting Date: 10/30/2024



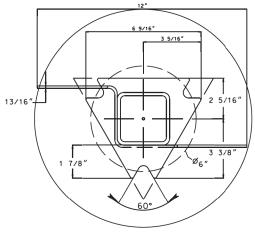
48" WINGED ANCHOR SLIP BASE

TOP POST RECEIVER for 2-1/2" SQUARE POST

BOTTOM UNIBASE SOIL STUB



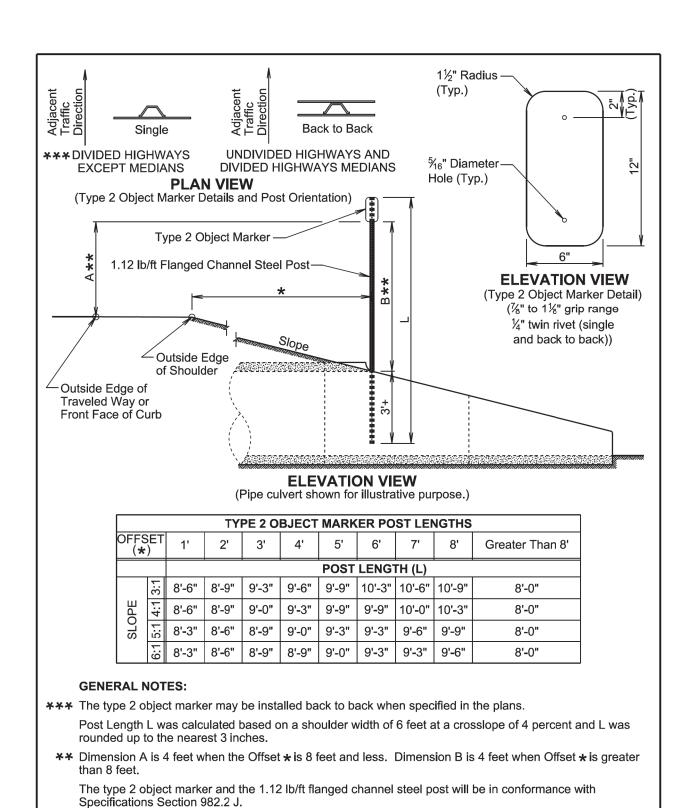




MATERIALS:

<u>Tube</u> - 3" × 3" × 7 ga. ASTM A500 Grade B tube
<u>Stabilizing Wing</u> - 7 ga. H.R.P.D. ASTM A 569
<u>Plate</u> - ASTM A572 grade 50

Published Date: 2024



Payment for the type 2 object marker will be in conformance with Specification Section 632.5 B.

TYPE 2 OBJECT MARKER

(DIRECT DRIVE)

DDOT

December 23, 2019

PLATE NUMBER

632.01

Sheet I of I

Published Date: 2024

PROJECT STATE OF DAKOTA P-PH-PT 0025(81)158 S17 S23

Sheet I of I

Plotting Date: 02/06/2024 ပု Rdwy. Align the inner edge of the object marker with the opening closest to the roadway. ▶ Type 2 Object Marker Back to Back (Shown for Illustrative Purpose) **PLAN VIEW** (For Multiple Pipe Culverts, Box Culverts, and Cattle Passes) (Pipe culverts shown for illustrative purpose.) (Embankment is not shown.) ዒ Rdwy. Less Than 60"
Single Pipe Culvert,
Box Culvert, or
Cattle Pass * Type 2 Object Marker Align the inner edge of the Back to Back (Shown object marker with the opening for Illustrative Purpose) closest to the roadway. **PLAN VIEW** (For Single Pipe Culvert, Box Culvert, and Cattle Pass) (Pipe culvert shown for illustrative purpose.) (Embankment is not shown.) **GENERAL NOTES:** This standard plate will be used in conjunction with standard plate 632.01. *The type 2 object markers will be installed at the locations shown above. The type 2 object markers, single faced or back to back, will be as specified in the plans. December 23, 2019 SDDO PLATE NUMBER TYPE 2 OBJECT MARKER AT PIPE 632.03 CULVERTS, BOX CULVERTS, AND CATTLE PASSES

(Less than 60" Overall Width)

* Type 2 Object Marker Backto Back (Shown for Illustrative Purpose)

* Type 2 Object Marker Backto Back (Shown for Illustrative Purpose)

> ပု Rdwy.

Align the inner edge of the object marker with the opening

closest to the roadway.

促 Rdwy.

PLAN VIEW

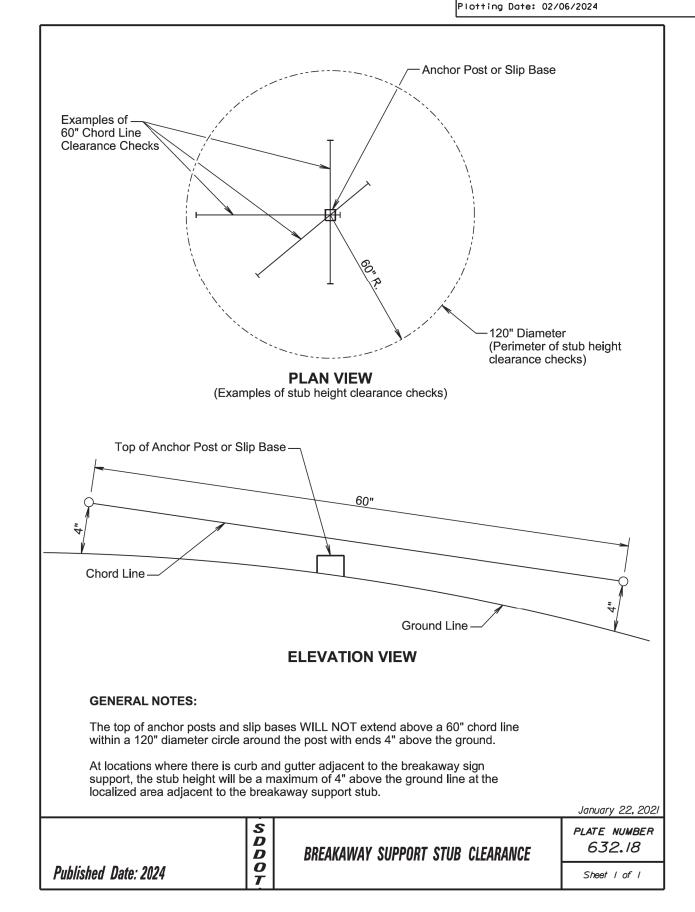
(For Multiple Pipe Culverts, Box Culverts, and Cattle Passes)
(Pipe culverts shown for illustrative purpose.)
(Embankment is not shown.)

★ Type 2 Object Marker Back to Back (Shown for Illustrative Purpose)

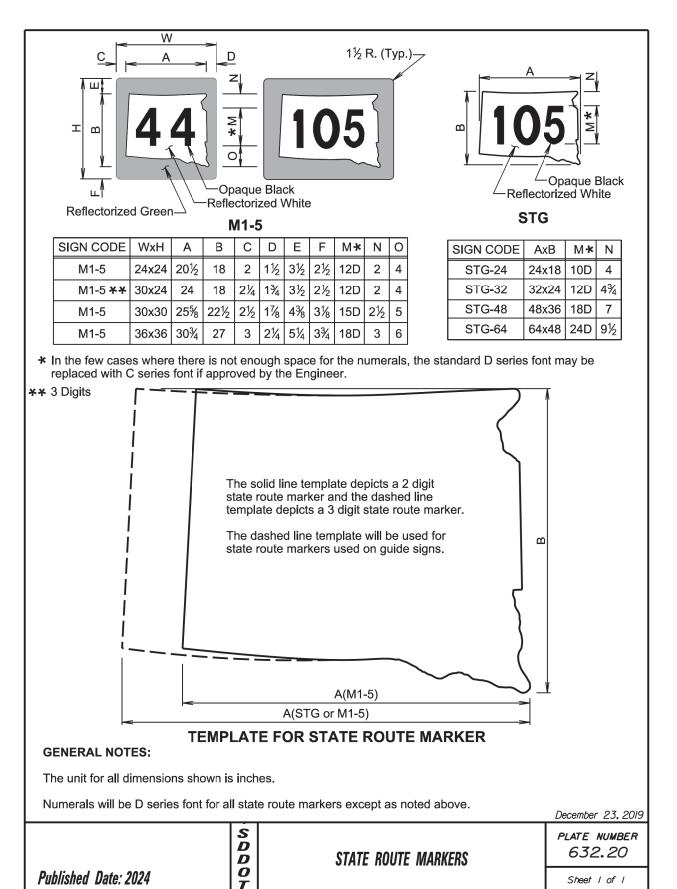
Align the inner edge of the -

object marker with the opening

60" and Wider Multiple Pipe Culverts, Box Culverts, or Cattle Passes



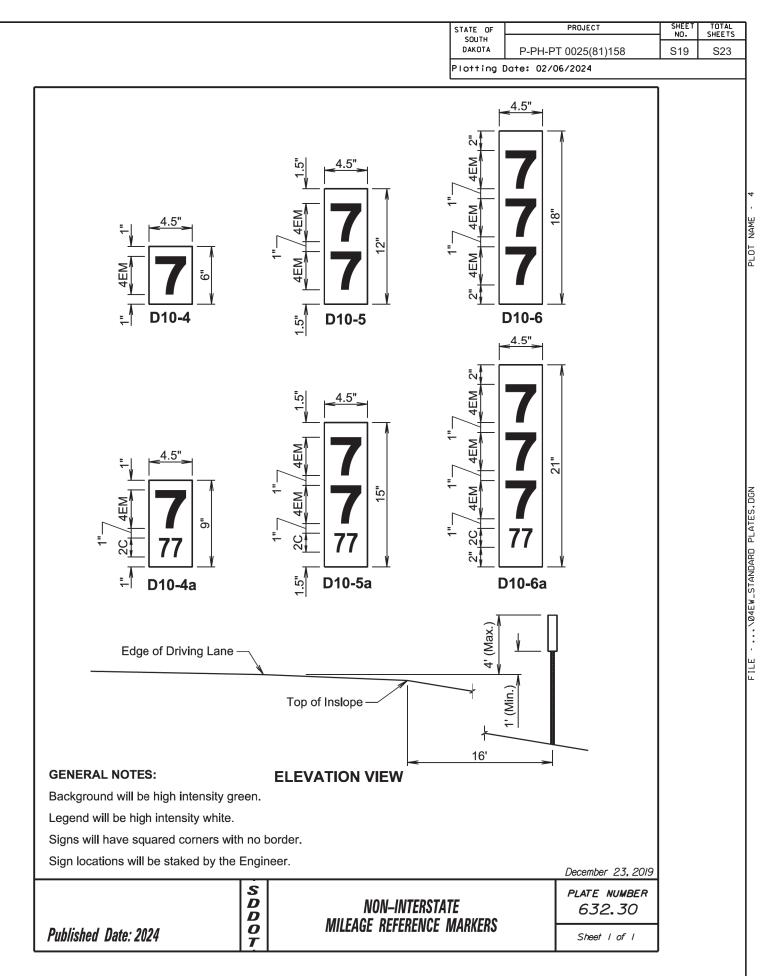




STATE ROUTE MARKERS

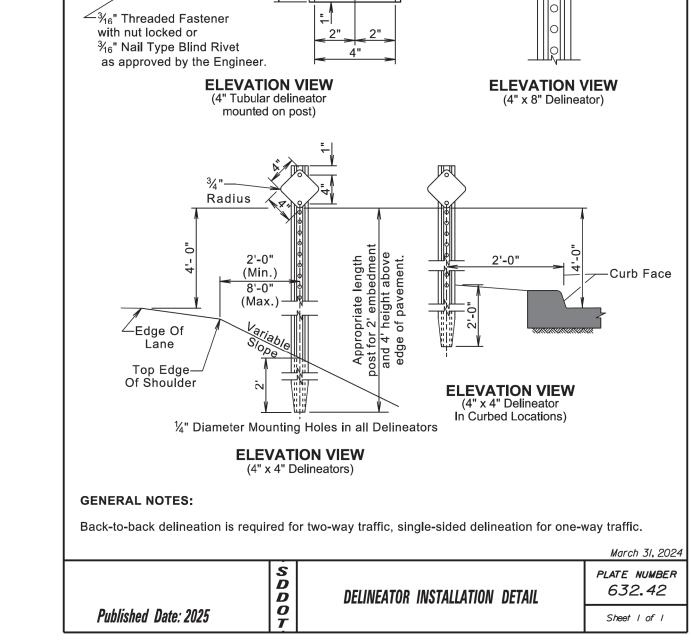
632.20

Sheet I of I



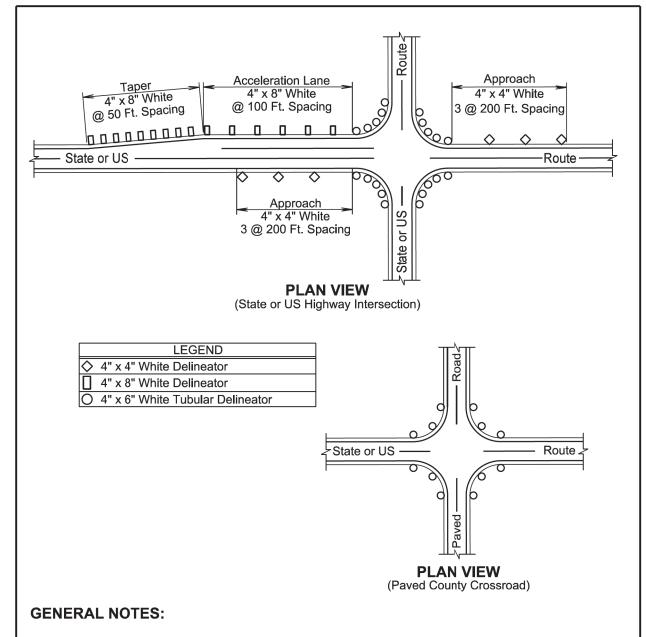
Schedule 40

PVC pipe



 $\frac{7}{32}$ " Hole

¼" Radius



At all intersections with State or US highways and paved county roads:

For radii greater than 100 feet, place 5 tubular white delineators on equally spaced posts around the turning radius.

For radii greater than 50 feet up to 100 feet, place 4 tubular white delineators on equally spaced posts around the turning radius.

For radii of 50 feet or less, place 3 tubular white delineators on equally spaced posts around the turning radius.

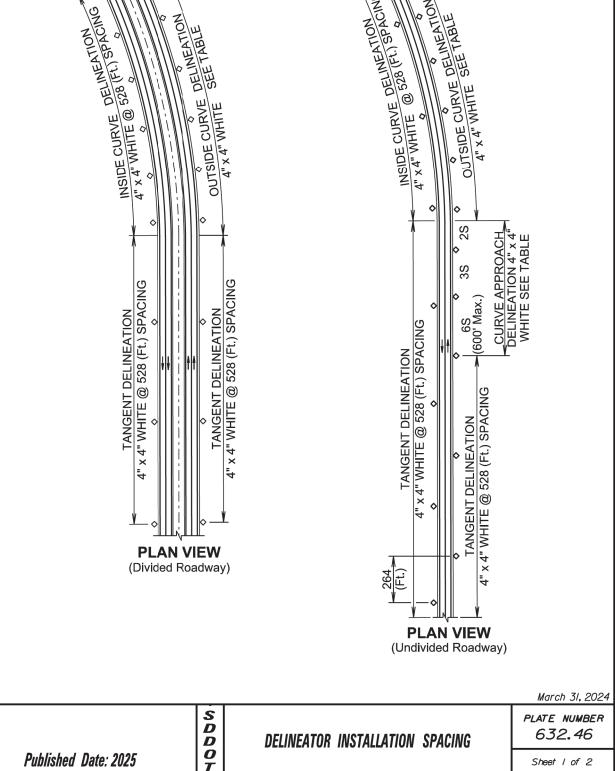
November 19, 2020

Published Date: 2025

DELINEATOR AT INTERSECTIONS

PLATE NUMBER 632.44

Sheet I of I



STATE OF L	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	P-PH-PT 0025(81)158	S21	S23

Plotting Date: 06/07/2024

GENERAL NOTES:

Delineators will be located from 2 to 8 feet outside of the outer edge of shoulder. When a roadside barrier or other obstruction intrudes into the space between the pavement edge and the extension of the line of delineators, the delineators should be in line with the barrier or in line with the innermost edge of the obstruction.

When normal spacing is interrupted by driveways, crossroads, or approaches, delineators falling within such areas may be moved in either direction a distance not exceeding one-quarter of the standard spacing. Delineators still falling within such areas should be

The spacing for specific radii may be interpolated from the table. The minimum spacing should be 20 feet. The spacing on curves should not exceed 300 feet. In advance of or beyond a curve, and proceeding away form the end of the curve, the spacing of the first delineator is 2S, the second 3S, and the third 6S, but not to exceed 300 feet. S refers to the delineator spacing for specific radii computed from the formula $S = 3\sqrt{R - 50}$. The distances for S shown in the table were rounded to the nearest 5 feet.

Curve approach delineation is not required if curve delineation spacing exceeds 100 ft.

Back-to-back delineation is required for two-way traffic, single-sided delineation for one-way traffic.

DI	DELINEATOR SPACING									
	OUTSIDE CURVE									
Radius	Curve									
of	Delineator	Spa	icing ((Ft.)						
Curve (Ft.)	Spacing (Ft.)	Α	В	С						
50	20	40	65	125						
115	25	50	75	150						
150	30	60	90	180						
180	35	70	110	215						
250	40	85	125	250						
300	45	95	140	285						
400	55	110	170	300						
500	65	125	190	300						
600	70	140	210	300						
700	75	150	230	300						
800	80	165	245	300						
900	85	175	260	300						
1000	90	185	275	300						

S D D O

Published Date: 2025

Sheet I of 2

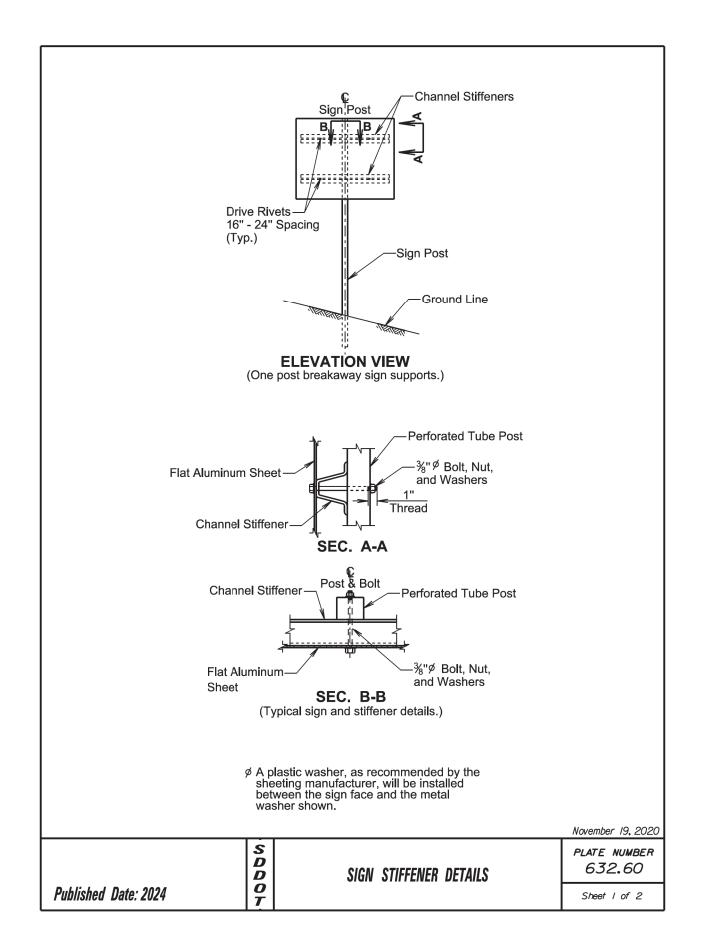
March 31, 2024

DELINEATOR INSTALLATION SPACING

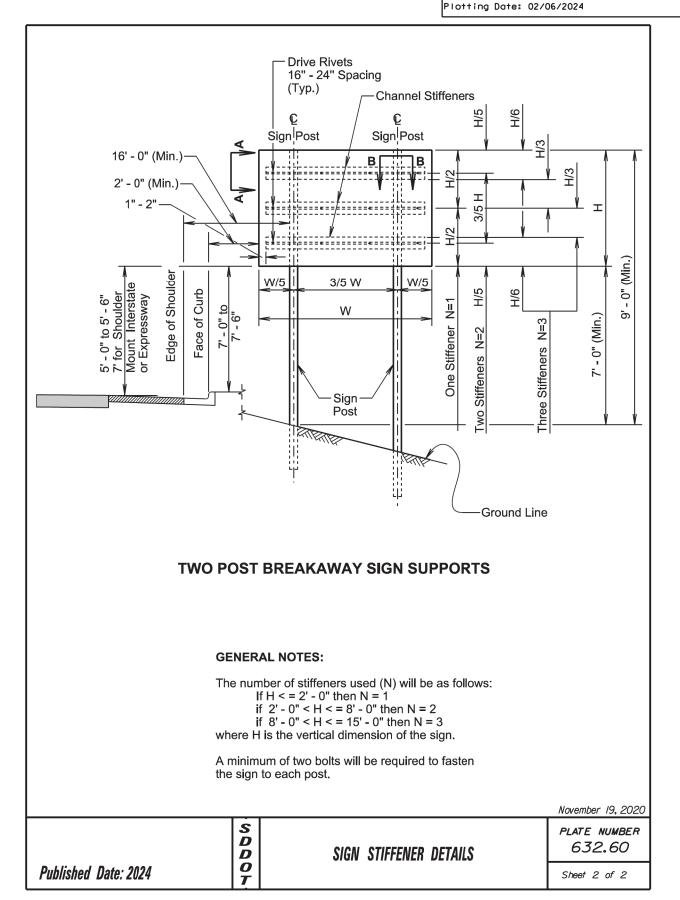
PLATE NUMBER 632.46

Sheet 2 of 2





PROJECT STATE OF SOUTH S22 DAKOTA P-PH-PT 0025(81)158 S23



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