

SECTION S: PERMANENT SIGNING PLEAR SOUTH S

PROJECT NH 0012(230)171...+ TOTAL SHEETS

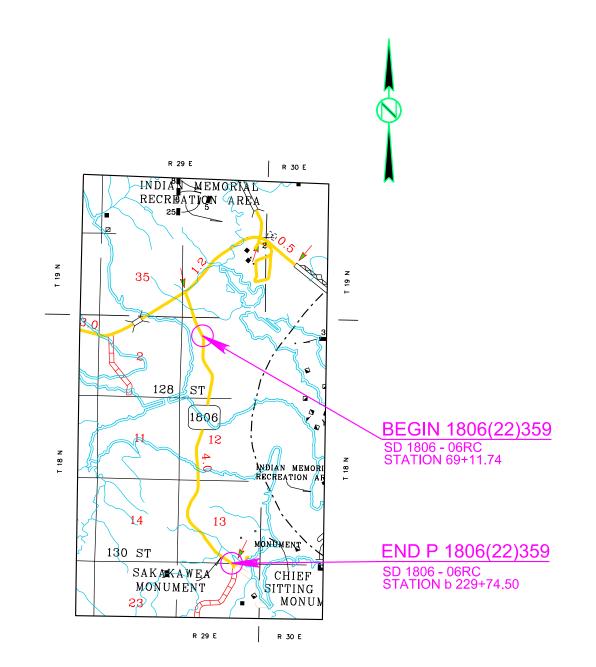
S7

SHEET

S3

Plotting Date:

R 27 E END P 0063(59)252 SD 63- 07CD STATION 390+50.00 McLAUGHLIN POP. 663 BEGIN P 0063(59)252 SD 63 - 07CD STATION 288+47.00





SECTION S ESTIMATE OF QUANTITIES

05TY-Section S

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E7150	Remove Sign for Reset	22	Each
110E7152	Remove Delineator for Reset	300	Each
632E2022	4"x4" White Delineator Back to Back with 1.12 Lb/Ft Post	10	Each
632E2024	4"x8" White Delineator with 1.12 Lb/Ft Post	31	Each
632E2028	4" Tubular White Delineator with 1.12 Lb/Ft Post	26	Each
632E2100	Reset Delineator	300	Each
632E2220	Guardrail Delineator	56	Each
632E3500	Reset Sign	22	Each

06A1-Section S

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E7150	Remove Sign for Reset	4	Each
110E7152	Remove Delineator for Reset	150	Each
632E2100	Reset Delineator	150	Each
632E2220	Guardrail Delineator	48	Each
632E3500	Reset Sign	4	Each

06RC-Section S

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E7150	Remove Sign for Reset	2	Each
110E7152	Remove Delineator for Reset	3	Each
632E2100	Reset Delineator	3	Each
632E3500	Reset Sign	2	Each

06E0-Section S

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E7152	Remove Delineator for Reset	40	Each
632E2100	Reset Delineator	40	Each

07CD-Section S

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E7150	Remove Sign for Reset	3	Each
110E7152	Remove Delineator for Reset	45	Each
632E2100	Reset Delineator	45	Each
632E2220	Guardrail Delineator	32	Each
632E3500	Reset Sign	3	Each

GENERAL PERMANENT SIGNING FOR BIDDING PURP

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

Delineators will be placed as per the Standard Plates.

MILEAGE REFERENCE MARKERS

Mileage Reference Markers (MRMs) are not to be disturbed. If an MRM is attached to a sign listed for replacement it will be salvaged and reattached to the new sign in the same location. Payment for this work will be incidental to the various signing contract items.

REMOVE DELINEATOR FOR RESET AND RESET DELINEATOR

Delineators and Type 2 Object Makers, Back to Back in the shoulder widening areas will be removed and stored by the Contractor. Delineators and object markers will be handled with care so that they are not damaged during the relocation process. The Contractor will replace and pay for any reset delineators or object markers damaged in their care.

All costs for removing and storing the delineators and object markers will be incidental to the contract unit price per each for "Remove Delineator for Reset". All costs for resetting the existing delineators and object markers will be incidental to the contract unit price per each for "Reset Delineator".

TABLE OF DELINEATORS AT INTERSECTIONS

05TY Location	4"x4" White Delineator	4" Tubular While Delineator	4"x8" White Delineator
US12 and SD20	4	10	15
US12 and SD1806	6	16	16
05TY Totals	10	26	31

REMOVE SIGN FOR RESET AND RESET SIGN

Signs at the intersections of US12/SD20 and US12/SD1806 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 existing guide and destination signing will be temporarily reset, as directed by the Engineer, to provide direction to travelers at the intersection. Existing stop signs will be temporarily reset during the widening of US12 at each intersection.

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 temporarily placement and then resetting the existing signs at the new permanent locations 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.

All removed signs will be reset at the existing location, at the offsets required by the MUTCD.

FOR BIDDING PURPOSES ONLY

STATE OF	PROJECT	SHEET	TOTA
SOUTH DAKOTA	NH 0012(230)171+	S4	S

Revised: 8/1/24 - EJW

TABLE OF REMOVE AND RESET SIGN

0.407 0.425 0.498 0.512 0.001 0.015 0.031 0.036 0.052 0.103 0.104 0.183 0.242 0.468	L R L L R R R L L R	1 1 1 1 1 1 1 1 1 1	McLaughlin/McIntosh Mobridge Speed Limit Route Marker Direction Arrow/Route Markers Lewis And Clark Trail Marker Direction Arrow/Route Markers Direction Arrow/Route Markers Direction Arrow/Route Markers Speed Limit Mobridge Jct/ Aberdeen McLaughlin/Timberlake Direction Arrow/Route Markers
0.425 0.498 0.512 0.001 0.015 0.031 0.036 0.052 0.103 0.104 0.183 0.242 0.468	R L L R L L R R R L L R	1 1 1 1 1 1 1 1 1	Mobridge Speed Limit Route Marker Direction Arrow/Route Markers Lewis And Clark Trail Marker Direction Arrow/Route Markers Direction Arrow/Route Markers Speed Limit Mobridge Jct/ Aberdeen McLaughlin/Timberlake Direction Arrow/Route Markers
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0.512 0.001 0.015 0.031 0.036 0.052 0.103 0.104 0.183 0.242 0.468	R L R R R L L R	1 1 1 1 1 1 1 1	Route Marker Direction Arrow/Route Markers Lewis And Clark Trail Marker Direction Arrow/Route Markers Direction Arrow/Route Markers Speed Limit Mobridge Jct/ Aberdeen McLaughlin/Timberlake Direction Arrow/Route Markers
0.001 0.015 0.031 0.036 0.052 0.103 0.104 0.183 0.242 0.468	R L R R R L L	1 1 1 1 1 1 1	Direction Arrow/Route Markers Lewis And Clark Trail Marker Direction Arrow/Route Markers Direction Arrow/Route Markers Speed Limit Mobridge Jct/ Aberdeen McLaughlin/Timberlake Direction Arrow/Route Markers
0.015 0.031 0.036 0.052 0.103 0.104 0.183 0.242 0.468	L R R R L L	1 1 1 1 1 1 1	Lewis And Clark Trail Marker Direction Arrow/Route Markers Direction Arrow/Route Markers Speed Limit Mobridge Jct/ Aberdeen McLaughlin/Timberlake Direction Arrow/Route Markers
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0.036 0.052 0.103 0.104 0.183 0.242 0.468	R R R L L	1 1 1 1 1	Direction Arrow/Route Markers Speed Limit Mobridge Jct/ Aberdeen McLaughlin/Timberlake Direction Arrow/Route Markers
0.052 0.103 0.104 0.183 0.242 0.468	R R L L	1 1 1 1	Speed Limit Mobridge Jct/ Aberdeen McLaughlin/Timberlake Direction Arrow/Route Markers
0.103 0.104 0.183 0.242 0.468	R L L	1 1 1	Mobridge Jct/ Aberdeen McLaughlin/Timberlake Direction Arrow/Route Markers
0.104 0.183 0.242 0.468	L L R	1 1	McLaughlin/Timberlake Direction Arrow/Route Markers
0.183 0.242 0.468	L R	1	Direction Arrow/Route Markers
0.242 0.468	R	•	
0.468	• •	1	
	_		No Passing Zone
	R	1	Direction Arrow/Route Markers
0.529	R	1	Stop
0.579	R	1	Wakpala 7
0.61	R	1	Indian Memorial Recreation Area
0.641	L	1	Speed Limit
0.671	R	1	Direction Arrow/Route Markers
Additional		3	
0	5TY Total	22	
06A1			
0.128	R	1	No Passing Zone
0.354	L	1	No Passing Zone
0.429	R	1	No Passing Zone
Additional	•	1	
0	6A1 Total	4	
06RC			
0.708	R	1	Left Curve Arrow/Advisory Speed
Additional	•	1	
06	RC Total	2	
	0.641 0.671 Additional 06A1 0.128 0.354 0.429 Additional 06RC 0.708 Additional	0.641 L 0.671 R Additional 05TY Total 06A1 0.128 R 0.354 L 0.429 R Additional 06A1 Total 06RC 0.708 R	0.641 L 1 0.671 R 1 Additional 3 05TY Total 22 06A1 0.128 R 1 0.354 L 1 0.429 R 1 Additional 1 06A1 Total 4 06RC 0.708 R 1 Additional 1 06RC Total 2

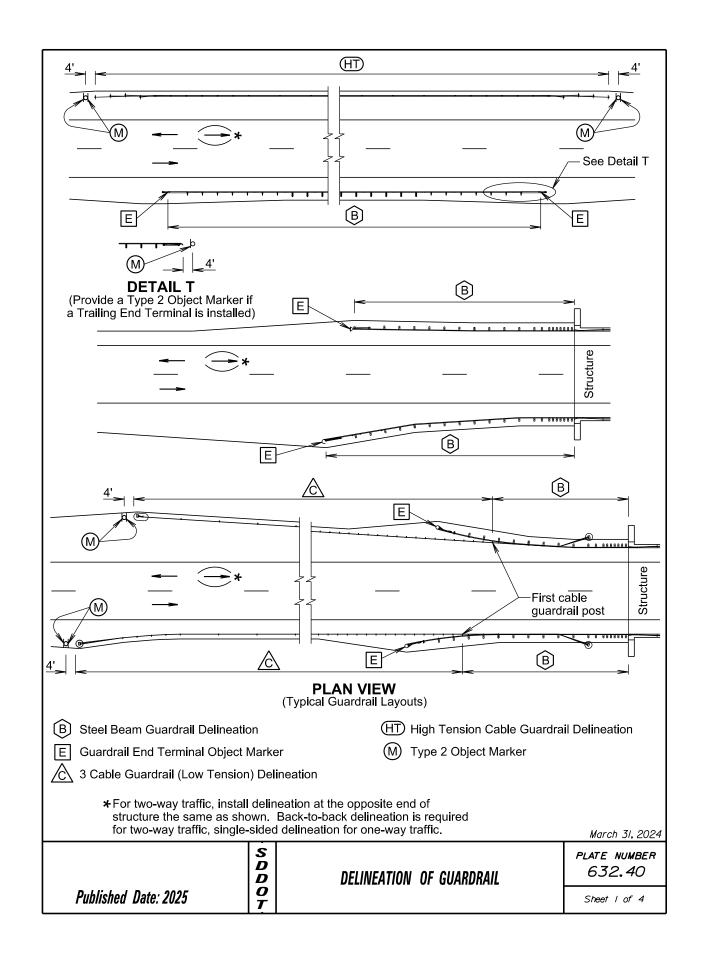
An additional 3 signs 07CD have been added to remove signs for reset and to reset signs as determined by the Engineer.

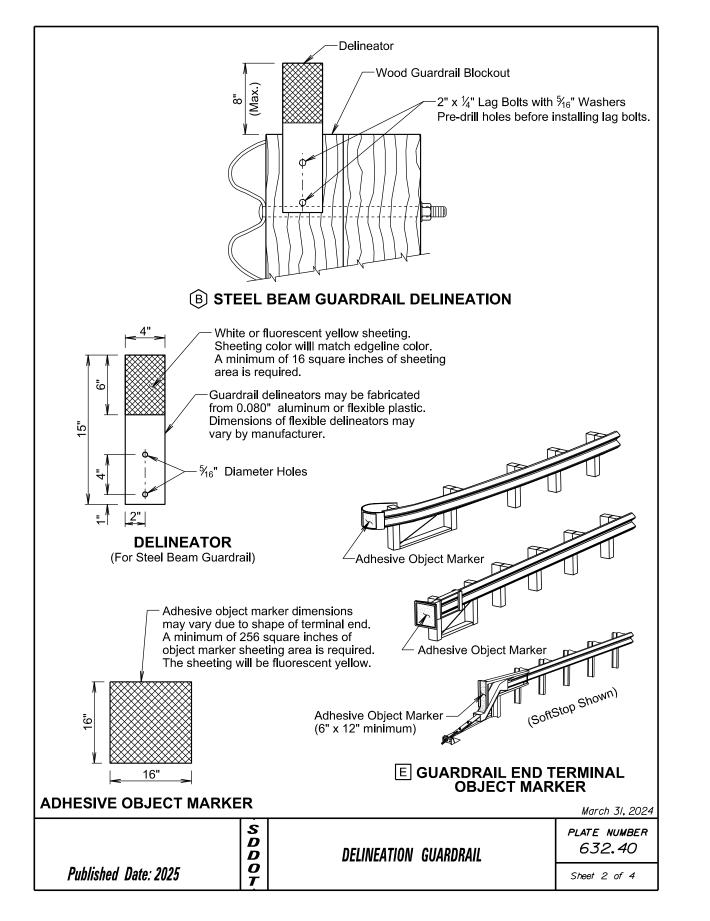


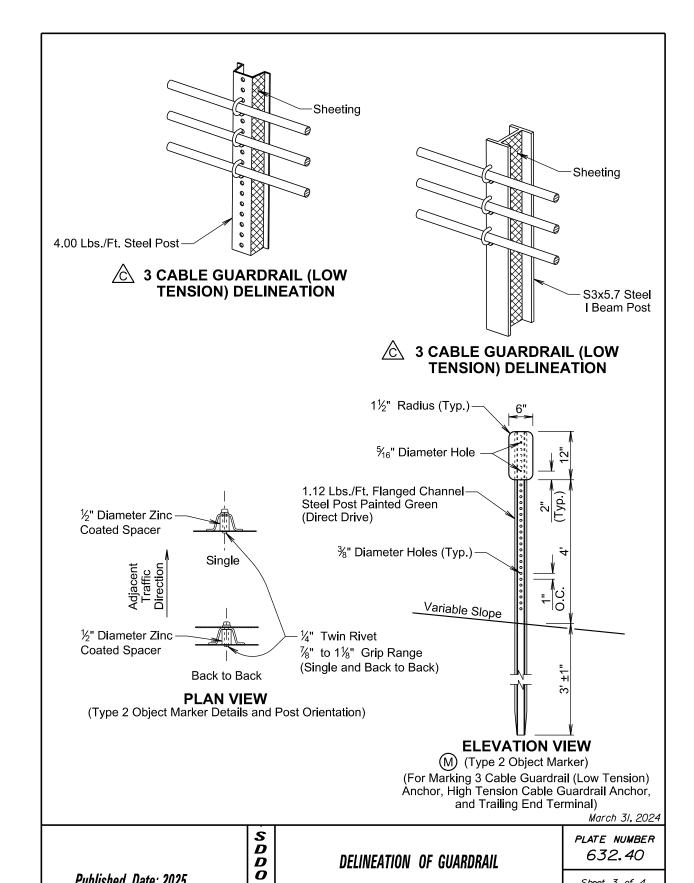
STATE OF SOUTH DAKOTA

TOTAL SHEETS S7

PROJECT SHEET NH 0012(230)171...+ S5







DELINEATION OF GUARDRAIL

Published Date: 2025

GENERAL NOTES:

632.40

Sheet 3 of 4

The delineation of high tension cable guardrail will be reflective sheeting placed back to back on every third post cap or cable spacer. Maximum spacing of delineation will not exceed 35 feet. The sheeting will be type XI in conformance with ASTM D4956. The color of the reflective sheeting will be the same as the nearest pavement marking.

The delineators for steel beam guardrail and sheeting on 3 cable guardrail (low tension) posts will be covered with a minimum of 16 square inches of reflective sheeting. The reflective sheeting will be type XI in conformance with ASTM D4956. Along two-way roadways the sheeting will be on both sides of the delineators and guardrail posts and will be white in color. For one-way roadways the sheeting will only be required on the side facing traffic and the color will be the same as the nearest pavement marking, yellow on the left side of the roadway and white on the right side.

When steel beam guardrail is attached to a bridge the first delineator will be attached to the post nearest the

At bridges with guardrail less than 200 feet in length, a minimum of 4 delineators will be placed in addition to the end terminal yellow object marker. The spacing between the delineators will be approximately one third of the length of the guardrail.

At bridges with guardrail 200 feet and greater in length, including bridges that have steel beam guardrail transitioning to 3 cable guardrail (low tension), the delineators will be placed at a spacing of approximately 50 feet. Delineation will extend throughout the length of the guardrail system.

Steel beam guardrail that is not attached to a bridge and is less than 200 feet in length, a minimum of 4 delineators will be placed in addition to the end terminal yellow object markers. The spacing between the delineators will be approximately one third of the length of the guardrail.

Steel beam guardrail that is not attached to a bridge and is 200 feet and greater in length, including steel beam guardrail transitioning to 3 cable guardrail (low tension), the delineators will be placed at a spacing of approximately 50 feet. Delineation will extend throughout the length of the guardrail system.

All costs for furnishing and installing single or back to back guardrail delineation on 3 cable guardrail and steel beam guardrail will be included in the contract unit price per each for "Guardrail Delineator".

All costs for furnishing and installing the reflective sheeting on the cable spacers or post caps for the high tension cable guardrail will be incidental to the respective high tension cable guardrail contract item.

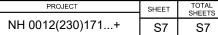
An adhesive object marker will be placed on the end of the W beam guardrail or MGS end terminal. The adhesive object marker dimensions may vary due to the shape of the terminal end. A minimum of 256 square inches of object marker reflective sheeting area is required on end terminals with sufficient surface area. Other end terminals (SoftStop) will require an adhesive object marker with a minimum size of 6" x 12". The reflective sheeting will be fluorescent yellow type XI sheeting in conformance with ASTM D4956. All costs for furnishing and installing the adhesive object marker will be incidental to various contract items.

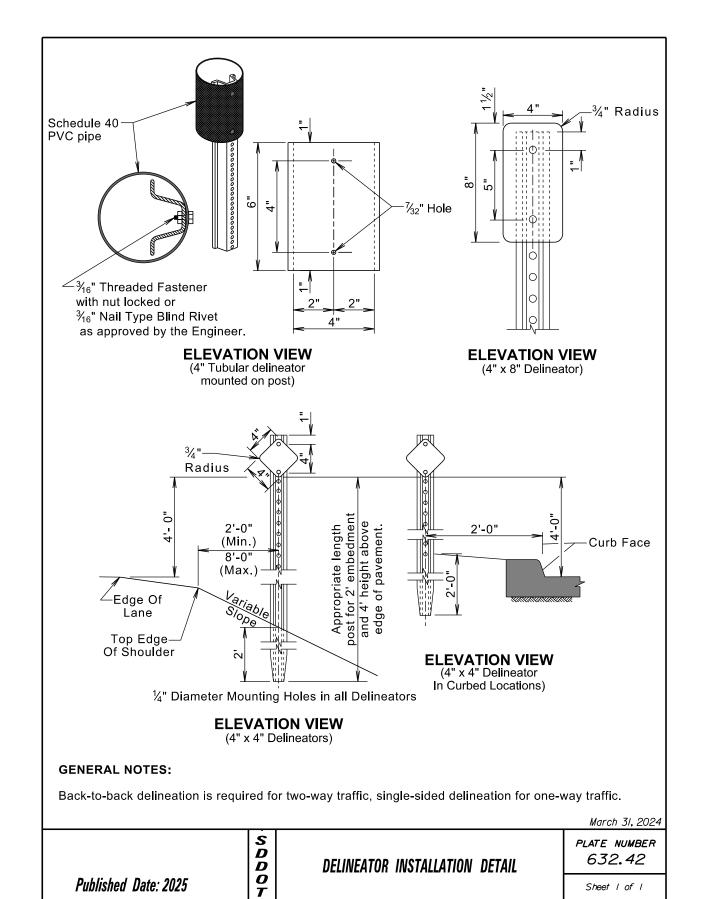
A type 2 object marker will be placed adjacent to the 3 cable guardrail (low tension) anchor, high tension cable guardrail anchor, and trailing end terminal at the location noted on sheet 1 of this standard plate. The type 2 object marker (6" x 12") will have fluorescent yellow type XI sheeting in conformance with ASTM D4956. All costs for furnishing and installing the type 2 object marker including the steel post, 6" x 12" reflective panel, and hardware will be included in the contract unit price per each for "Type 2 Object Marker" for single-sided and "Type 2 Object Marker Back to Back" for back to back type 2 object markers.

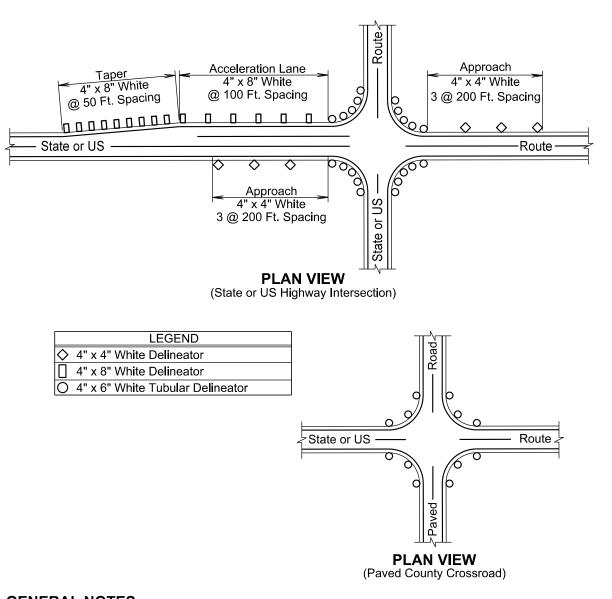
March 31, 2024

S PLATE NUMBER D 632.40 D DELINEATION OF GUARDRAIL 0 Published Date: 2025 Sheet 4 of 4

STATE OF







GENERAL NOTES:

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

SDDOT PLATE NUMBER 632.44 **DELINEATOR AT INTERSECTIONS** Published Date: 2025 Sheet I of I