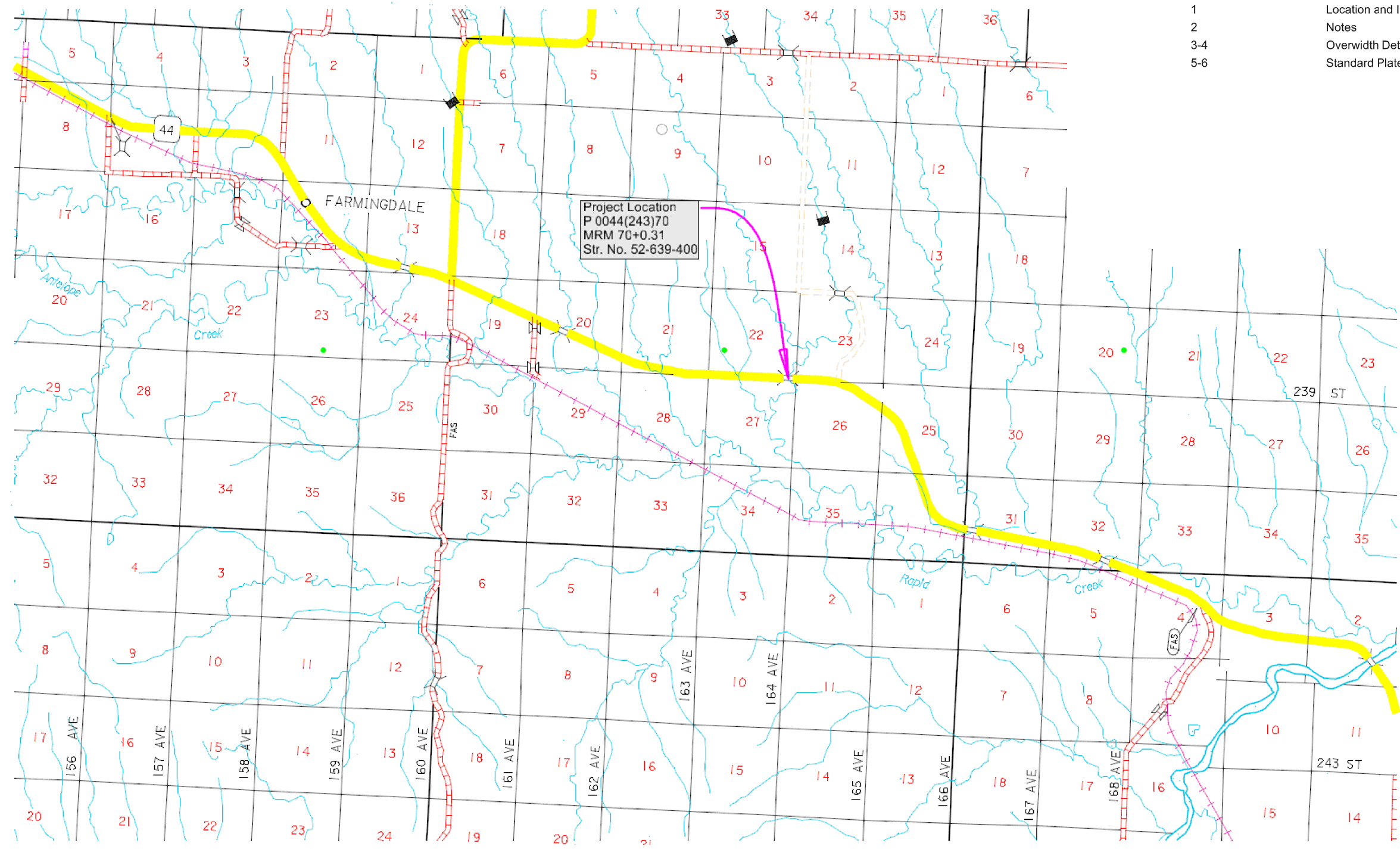


SECTION C: TRAFFIC CONTROL PLANS

INDEX OF SHEETS

- 1
2
3-4
5-6
- Location and Index of Sheets
Notes
Overwidth Detour Signing
Standard Plates



SECTION C ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E4100	Construction Schedule, Category I	Lump Sum	LS
634E0010	Flagging	100.0	Hour
634E0110	Traffic Control Signs	163.4	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	2	Each
634E0600	4" Temporary Pavement Marking Tape Type I	288	Ft
634E0640	Temporary Pavement Marking	2,600	Ft
634E1002	Detour and Restriction Signing	845.5	SqFt
634E1215	Contractor Furnished Portable Changeable Message Sign	2	Each
634E1260	Truck/Trailer Mounted Attenuator	1	Each

SEQUENCE OF OPERATIONS

Close one lane using Standard Plate 634.25 and install a crash attenuator truck. Complete all work for that direction before closing the opposite lane with the same configuration. Refer to Section E for complete sequence of work for each direction. Contractor requests to deviate from the sequence of operations will be submitted in writing to the Engineer for review. Approval of an alternate sequence of operations will only be allowed when the proposed changes meet with the Department’s intent for traffic control and sequencing of the work. An alternate sequence will be submitted for review a minimum of one week prior to potential implementation.

GENERAL TRAFFIC CONTROL

Existing guide, route, informational logo, regulatory, and warning signs will be temporarily reset and maintained during construction. Removing, relocating, covering, salvaging, and resetting of existing traffic control devices, including delineation, will be the responsibility of the Contractor. Cost for this work will be incidental to the contract unit prices for the various items unless otherwise specified in the plans. Any delineators and signs damaged or lost will be replaced by the Contractor at no cost to the State.

All temporary traffic control sign locations will be set in the field by the Contractor and verified by the Engineer prior to installation.

If there is a discrepancy between the traffic control plans, standard plates, and the MUTCD, whichever is more stringent will be used, as determined by the Engineer.

Unless otherwise stated in these plans, work will not be allowed during hours of darkness.

Fixed location signing placed more than 4 calendar days prior to the start of construction will be covered or laid down until the time of construction. The covers must be approved by the Engineer prior to installation. The cost of materials, labor, and equipment necessary to complete this work will be incidental to other contract items. No separate payment will be made.

All fixed location signs, sign posts, and breakaway bases will be removed within 7 calendar days following final joint replacement.

OVERWIDTH RESTRICTION AND DETOUR SIGNING

The Contractor will furnish and install the overwidth detour signs as shown in these plans for an 11’ width restriction. Prior to installing the signs,the

Contractor will mark the sign locations and review them with the Engineer. Overwidth detour signs will be installed on fixed location, ground mounted, breakaway supports. It will be the responsibility of the Contractor to maintain and reinstall these signs during the project as required by the construction progress. Upon completion of the project, the Contractor will remove the overwidth detour signs.

All costs for furnishing the signs, posts, and mounting hardware, and for installing, maintaining, covering, and removing the overwidth detour signs will be incidental to the contract unit price per square foot for “Detour and Restriction Signing”.

CONTRACTOR FURNISHED PORTABLE CHANGEABLE MESSAGE SIGN

One week prior to starting work affecting the traveling public, portable changeable message signs (PCMS) will be installed 1 mile west and 1 mile east of the project. The Contractor will program the portable changeable message signs with the following message:

ROAD WORK
STARTS
(Date)

When work begins that will affect traffic patterns, the Contractor will re-program the PCMS with the following message:

ROAD WORK
BE PREPARED
TO STOP

PRESS RELEASE ANNOUNCEMENTS

The SDDOT will prepare a press release to be released 5 days prior to any phase change or any other major change that affects traffic flow. The SDDOT will be responsible to keep law enforcement, emergency services, and the traveling public notified of changes in project access. The Contractor will provide the Engineer with pertinent information 7 days prior to any phase change or any other major change that affects traffic flow.

TEMPORARY PAVEMENT MARKING

Stop bars will consist of 24” white temporary marking tape (4” Temporary Pavement Marking Tape Type I). The workspace requires two stop bars with a width of 12 feet each. Placement of each 24” white stop line will be accomplished by placing six pieces of 3” x 12’ tape adjacent to one another which is an equivalent of 144’ of 4” tape each (288’ total).

Temporary pavement marking on centerline will consist of temporary flexible vertical markers (tabs) and will be used as depicted on standard plate 634.25.The contractor will remove and properly dispose of tabs when the temporary signals are removed. Method of removal will be nondestructive to the road surface.

ITEMIZED LIST FOR TEMPORARY PAVEMENT MARKING

ITEM DESCRIPTION	QUANTITY (FT)
DOUBLE YELLOW CENTERLINE (TABS)	2400
WHITE STOP BARS (4" TAPE TYPE I)	288
WHITE TAPER LINES (TABS)	200

STATE OF SOUTH DAKOTA	PROJECT	SECTION	SHEET
	P 0044(243)70	C	2/6

REV 5/11/2026 CR

TRUCK/TRAILER MOUNTED ATTENUATOR

The Contractor will furnish truck or trailer mounted attenuator(s) to be used for the duration of the project. Truck or trailer mounted attenuators (TMAs) will meet the crashworthy requirements of NCHRP 350 or MASH Test Level 3. TMAs will be used and maintained in accordance with the manufacturers’ recommendations.

The TMAs should be utilized on the project where workers and/or equipment are working next to the centerline of the roadway with live traffic in the adjacent lane, or as directed by the Engineer. The TMAs will be removed from the roadway at the end of each working day. The TMAs will remain the property of the Contractor at the end of the project.

The TMAs will be paid for at the contract unit price per each for Truck/Trailer Mounted Attenuator. Payment will be full compensation for furnishing, maintaining, relocating and removing as many times as required by the Engineer and the Contractor’s operations.

In the event a TMA is hit while in service, the manufacturer will assess the TMA and make a recommendation as to whether it can be repaired or needs to be replaced. The Department will reimburse the Contractor for repairs as documented by invoices or pay for another TMA to be deployed to the project as needed.

INVENTORY OF TRAFFIC CONTROL SIGNS

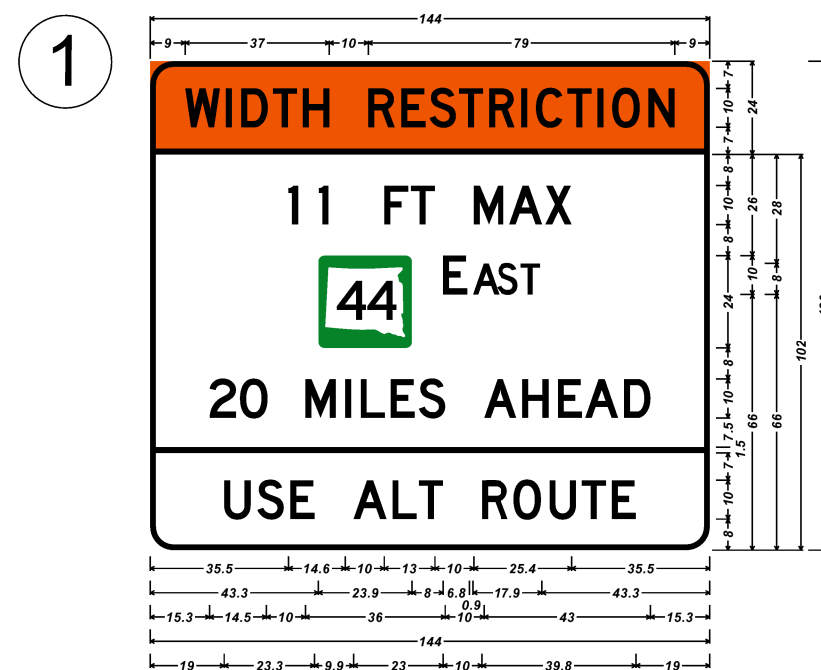
ITEMIZED LIST FOR TRAFFIC CONTROL SIGNS

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD			
		NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R1-1	STOP	2	30"	5.2	10.4
W1-4	REVERSE CURVE (R)	1	48" x 48"	16.0	16.0
W3-1	STOP AHEAD (symbol)	2	48" x 48"	16.0	32.0
W20-1	ROAD WORK AHEAD	2	48" x 48"	16.0	32.0
W20-4	ONE LANE ROAD AHEAD	2	48" x 48"	16.0	32.0
W20-7	FLAGGER (symbol)	2	48" x 48"	16.0	32.0
G20-2	END ROAD WORK	2	36" x 18"	4.5	9.0
		CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT			
		163.4			

ITEMIZED LIST FOR DETOUR AND RESTRICTION SIGNING

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD			
		NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
SPECIAL 1	11 FT MAX 44 EAST 20 MILES AHEAD	3	126" x 144"	126.0	378.0
SPECIAL 2	11 FT MAX 44 WEST 17 MILES AHEAD	1	126" x 144"	126.0	126.0
SPECIAL 3	11 FT MAX 44 WEST 80 MILES AHEAD	2	126" x 144"	126.0	252.0
SPECIAL 4	NO VEHICLES OVER 11 FT WIDE	2	42" x 138"	40.3	80.5
		CONVENTIONAL ROAD DETOUR AND RESTRICTION SIGNING SQFT			
		845.5			

WIDTH RESTRICTION SIGN DETAILS

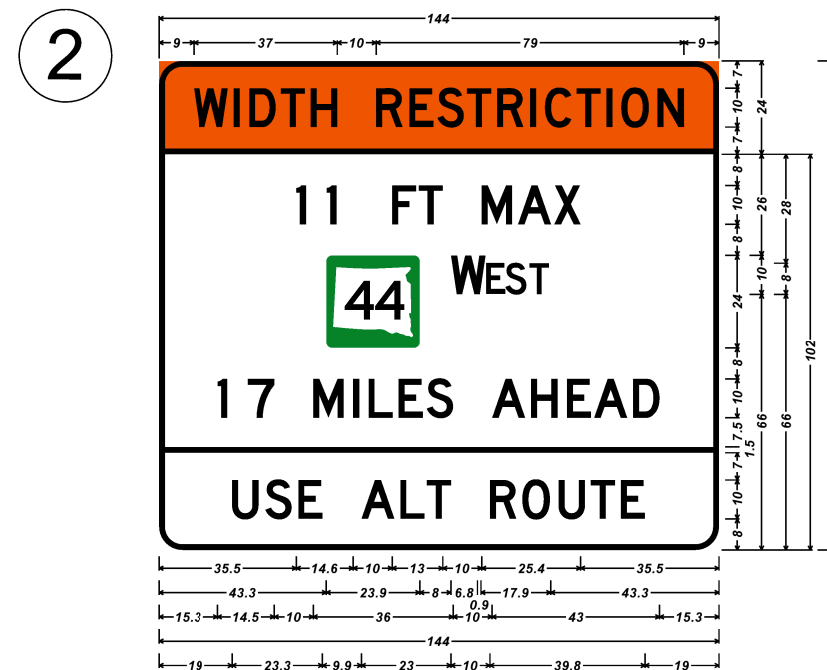


6.0" Radius, 1.5" Border, Black on Orange;
"WIDTH RESTRICTION", D 2K;

6.0" Radius, 1.5" Border, Black on White;
 "XX FT MAX", D 2K; State Highway XX M1-5; "XXXX", D 2K;
 "XX MILES AHEAD", D 2K; "USE ALT ROUTE", D 2K;

Table of letter and object lefts

W	I	D	T	H											
9.0	19.4	23.4	31.5	39.3											
					R	E	S	T	R	I	C	T	I	O	N
					56.0	64.5	71.8	79.3	87.0	95.5	99.3	107.4	115.1	118.9	128.3
1			F	T											
35.5	43.3	60.1	66.9	83.1	A	92.4	X	101.8							
					W	E	A	S	T						
43.3	75.3	82.9	89.1	95.4											
2	O	M	I	L	E	S	A	H	E	A	D				
15.3	23.0	39.9	50.0	54.0	61.8	69.0	85.8	95.8	105.0	112.0	122.0				
					-0.0										
U	S	E	A	L	T	R	O	T	E						
19.0	27.5	36.0	52.3	62.3	69.0	85.3	93.5	102.8	111.1	118.8					

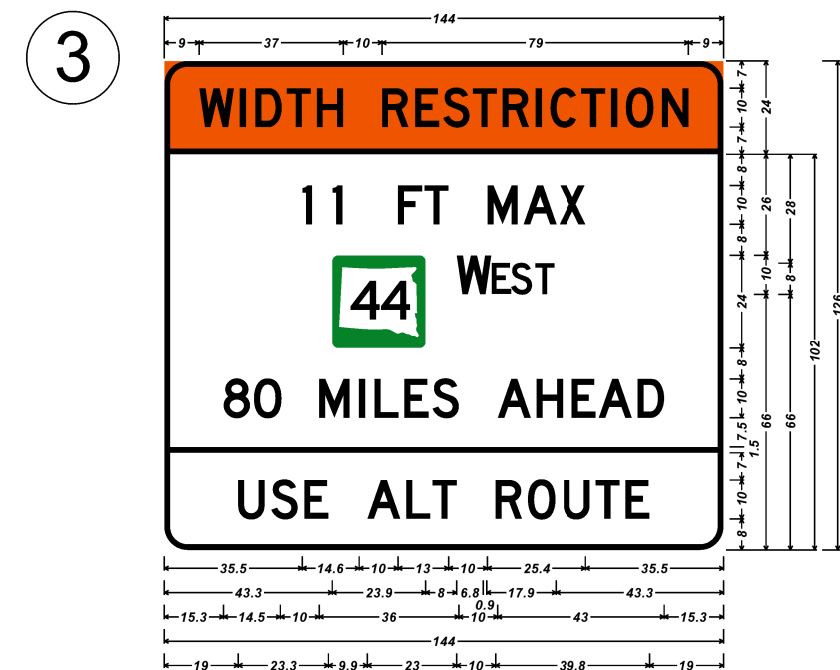


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9.0	19.4	23.4	31.5	39.3											
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					56.0	64.5	71.8	79.3	87.0	95.5	99.3	107.4	115.1	118.9	128.3
I	I	F	T	M	X										
35.5	43.3	60.1	66.9	83.1	92.4	101.8									
100	W	E	S	T											
43.3	75.3	82.9	89.1	95.4											
X	X	M	I	L	E	S	A	H	E	A	D				
15.3	23.0	39.9	50.0	54.0	61.8	69.0	85.8	95.8	105.0	112.0	122.0				
-0.0															
U	S	E	A	L	T	R	O	G	S	T	E				
19.0	27.5	36.0	52.3	62.3	69.0	85.3	93.5	102.8	111.1	118.8					

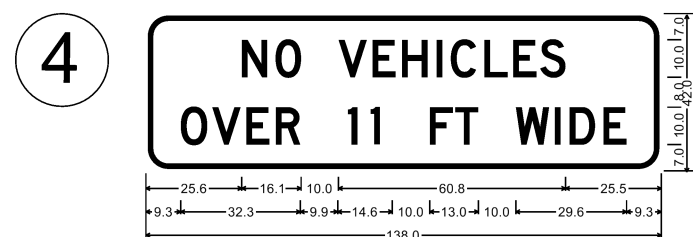


6.0" Radius, 1.5" Border, Black on Orange;
"WIDTH RESTRICTION", D 2K;

6.0" Radius, 1.5" Border, Black on White;
 "XX FT MAX", D 2K; State Highway XX M1-5; "XXXX", D 2K;
 "XX MILES AHEAD", D 2K; "USE ALT ROUTE", D 2K;

Table of letter and object lefts

W	I	D	T	H											
9.0	19.4	23.4	31.5	39.3											
					R	E	S	T	R	O	C	T	I	O	N
					56.0	64.5	71.8	79.3	87.0	95.5	99.3	107.4	115.1	118.9	128.1
I					I	F	M	A	X						
35.5	43.3	60.1	66.9	83.1	92.4	X	101.8								
100	W	E	S	T											
43.3	75.3	82.9	89.1	95.4											
X	X	M	I	L	S	A	H	E	A	D					
15.3	23.0	39.9	50.0	54.0	61.8	69.0	85.8	95.8	105.0	112.0	122.0				
-0.0															
U	S	E	A	S	T	R	O	U	T	E					
19.0	27.5	36.0	52.3	62.3	69.0	85.3	93.5	102.8	111.1	118.8					



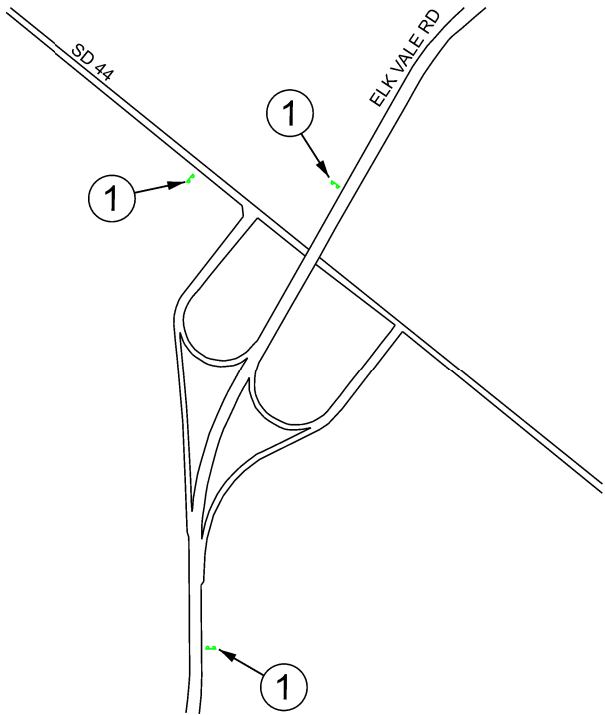
6.0" Radius, 1.5" Border, 0.5" Indent, Black on White;
"NO VEHICLES", D 2K; "OVER XX FT WIDE", D 2K;

Table of letter and object lists

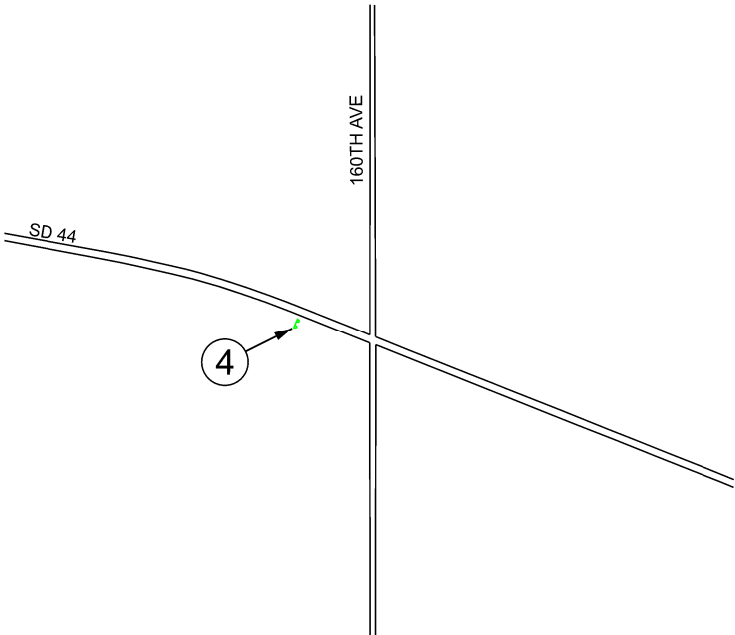
N	O	V	E	H	I	C	L	E	S
25.6	34.6	51.8	60.8	68.8	77.9	81.8	90.8	98.4	105.6

O	V	E	R	X	X	F	T	W	I	D	E
9.3	17.8	26.8	34.8	51.5	59.3	76.1	82.9	99.1	109.5	113.5	122.5

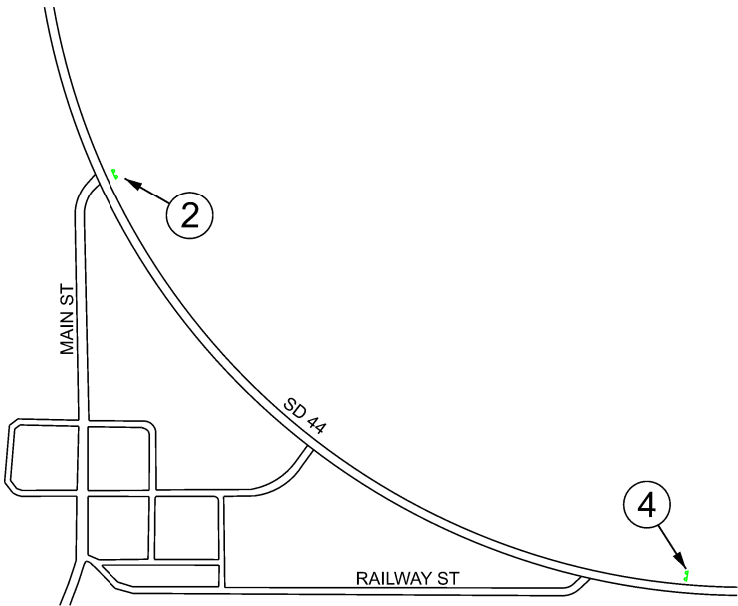
WIDTH RESTRICTION SIGN LAYOUT



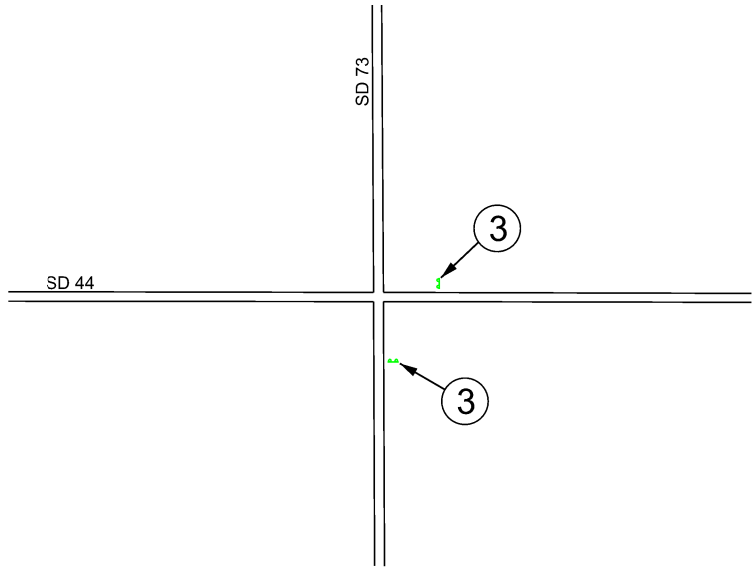
INTERSECTION OF SD HWY 44 AND ELK VALE RD - RAPID CITY, SD



INTERSECTION OF SD HWY 44 AND 160TH AVE - PENNINGTON COUNTY, SD



SCENIC, SD



INTERSECTION OF SD HWY 44 AND SD HWY 73 - JACKSON COUNTY, SD

