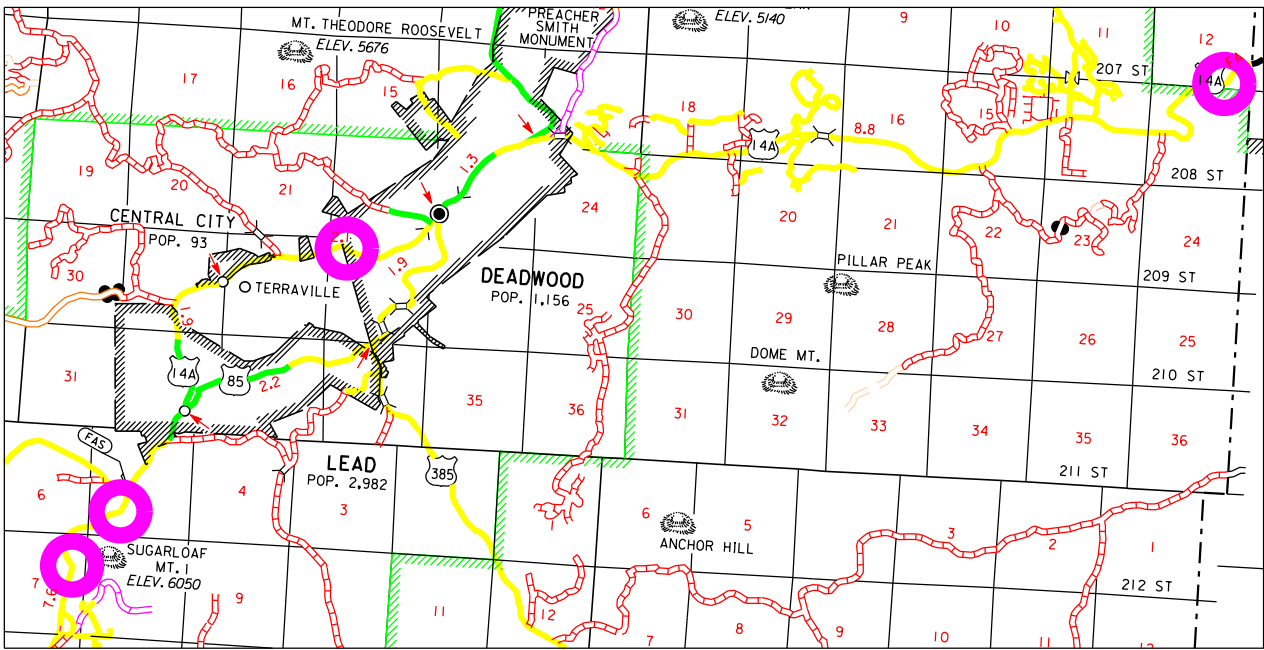


PROJECT AREA  
(VARIOUS LOCATIONS)

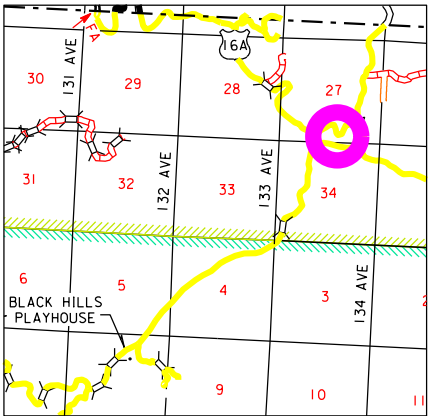
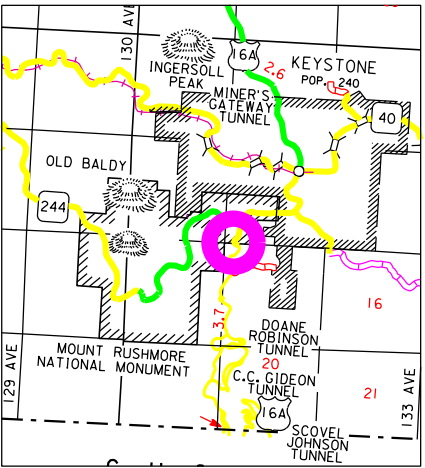


DESIGN DESIGNATION (US14A, MRM 34 + 0.565)		DESIGN DESIGNATION (US14A, MRM 35 + 0.487)		DESIGN DESIGNATION (US14A, MRM 39 + 0.739)		DESIGN DESIGNATION (US14A, MRM 50 + 0.169)	
ADT (2024)	1725	ADT (2024)	1725	ADT (2024)	8091	ADT (2024)	6870
ADT (2044)	2500	ADT (2044)	2500	ADT (2044)	11724	ADT (2044)	9955
DHV	410	DHV	410	DHV	1920	DHV	1631
D	51%	D	51%	D	51%	D	51%
T DHV	1.4%	T DHV	1.4%	T DHV	3.7%	T DHV	1.6%
T ADT	3.0%	T ADT	3.0%	T ADT	8.1%	T ADT	3.6%
V	40 MPH	V	40 MPH	V	45 MPH	V	45 MPH

STATE OF SOUTH DAKOTA  
DEPARTMENT OF TRANSPORTATION  
PLANS FOR PROPOSED

PROJECT PH 0040(365)  
US HIGHWAYS 14A, 16A and 85  
and Wildlife Loop Road  
CUSTER, LAWRENCE, PENNINGTON  
AND HARDING COUNTIES

VEHICLE FEEDBACK SIGNS  
PCN 0ACJ



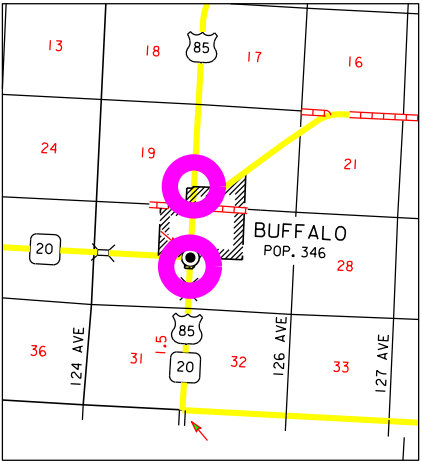
DESIGN DESIGNATION (US16A, MRM 46.58 + 0.241)		DESIGN DESIGNATION (US16A, MRM 55.56 + 0.083)	
ADT (2024)	625	ADT (2024)	591
ADT (2044)	1019	ADT (2044)	932
DHV	167	DHV	153
D	51%	D	51%
T DHV	1.6%	T DHV	1.0%
T ADT	3.5%	T ADT	2.2%
V	35 MPH	V	25 MPH

PROJECT	SECTION	SHEET
PH 0040(365)	Non	1/12

Plotting Date: 12/19/2025

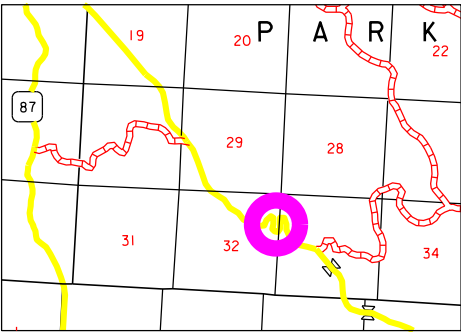
INDEX OF SHEETS

- 1 General Layout with Index
- 2 - 7 Estimate of Quantities and Plan Notes
- 8 Sign Base Details
- 9 - 12 Standard Plates



DESIGN DESIGNATION  
(Wildlife Loop Road,  
43.661654, -103.421178 to  
43.661735, -103.419410)

ADT (2024)	NA
ADT (2044)	NA
DHV	NA
D	NA
T DHV	NA
T ADT	NA
V	25 MPH



STORM WATER PERMIT  
No Permit Required

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E4100	Construction Schedule, Category I	Lump Sum	LS
110E0130	Remove Traffic Sign	22	Each
110E5020	Salvage Traffic Sign	3	Each
110E7150	Remove Sign for Reset	2	Each
632E1320	2.0"x2.0" Perforated Tube Post	115.5	Ft
632E1340	2.5"x2.5" Perforated Tube Post	366.2	Ft
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	20.0	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	88.0	SqFt
632E3500	Reset Sign	2	Each
632E3710	Radar Speed Sign, Solar Powered	13	Each
634E0010	Flagging	200.0	Hour
634E0110	Traffic Control Signs	81.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
635E6200	Miscellaneous, Electrical	Lump Sum	LS

ENVIRONMENTAL COMMITMENTS

The SDDOT is committed to protecting the environment and uses Environmental Commitments as a communication tool for the Engineer and Contractor to ensure that attention is given to avoid, minimize, and/or mitigate an environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency with permitting authority can delay a project if identified environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. During construction, the Project Engineer will verify that the Contractor has met Environmental Commitment requirements. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office.

Additional guidance on SDDOT's Environmental Commitments can be accessed through the Environmental Procedures Manual found at: <<https://dot.sd.gov/media/documents/EnvironmentalProceduresManual.pdf>>

For questions regarding change orders in the field that may have an effect on an Environmental Commitment, the Project Engineer will contact the Environmental Engineer at 605-773-3180 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

Once construction is complete, the Project Engineer will review all environmental commitments for the project and document their completion.

COMMITMENT B2: WHOOPING CRANE

The Whooping Crane is a spring and fall migratory bird in South Dakota that is about 5 feet tall and typically stops on wetlands, rivers, and agricultural lands along their migration route. An adult Whooping Crane is white with a red crown and a long, dark, pointed bill. Immature Whooping Cranes are cinnamon brown. While in flight, their long necks are kept straight and their long dark legs trail behind. Adult Whooping Cranes' black wing tips are visible during flight.

Action Taken/Required:

Harassment or other measures to cause the Whooping Crane to leave the site is a violation of the Endangered Species Act. If a Whooping Crane is sighted roosting in the vicinity of the project, borrow pits, or staging areas associated with the project, cease construction activities in the affected area until the Whooping Crane departs and immediately contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

COMMITMENT E: STORM WATER

Construction activities constitute less than 1 acre of disturbance.

Action Taken/Required:

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

COMMITMENT H: WASTE DISPOSAL SITE

The Contractor will furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

Action Taken/Required:

Construction and/or demolition debris may not be disposed of within the Public ROW.

The waste disposal site(s) will be managed and reclaimed in accordance with the following from the General Permit for Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Agriculture and Natural Resources.

The waste disposal site(s) will not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Environmental Office and the Project Engineer.

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements will apply:

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials will be buried in a trench separate from wood debris. The final cover over the construction and/or demolition debris will consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW will be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor will control the access to waste disposal sites not within the Public ROW with fences, gates, and placement of a sign or signs at the entrance to the site stating, "No Dumping Allowed".

2. Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period not to exceed the duration of the project. Prior to project completion, the waste will be removed from view of the ROW or buried, and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06. Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) will be incidental to the various contract items.





**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.

**SALVAGE TRAFFIC SIGN**

All signs listed for salvage (existing radar speed signs) in the Permanent Signing Table will have the existing posts, utility poles, bases, and signs removed, disconnected, dismantled and delivered to the City of Buffalo. The Contractor will notify Harding County Sheriff Wyatt Sabo (605-395-3414) two days prior to time of delivery so correct placement for storage and inventory of materials can be made upon receipt. All bolts, nuts, and washers will be placed in individual 5-gallon pails. All signs listed for salvage will be handled with care so that the signs are not damaged during removal or transport. The Contractor will replace and pay for any salvaged signs damaged in their care. Utility poles will become the property of the Contractor if the City of Buffalo does not want them.

All costs for labor and equipment necessary to remove, dismantle, and deliver signs, posts and utility poles to the City of Buffalo will be incidental to the contract unit price per each for Salvage Traffic Sign. The quantity of signs to be salvaged is shown in the Permanent Signing Table. The plans quantity is shown as per assembly. Payment for salvaging signs will be paid per assembly at the contract unit price per each for “Salvage Traffic Sign”.

**MISCELLANEOUS ELECTRICAL**

To remove and salvage existing radar speed signs, the Contractor will be disconnecting the electrical service and abandoning wire/conduit. All electrical work will be paid for as incidental to the contract lump sum price for “Miscellaneous, Electrical.”

**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 Permanent Signing Table.

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.

**NEW PERMANENT SIGNING**

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

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

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



DIGITALLY PRINTED SIGNS

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

PROTECTIVE OVERLAY FILM

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

Table 1: Retroreflective Film Minimum Durability Requirements

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

FABRICATION

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

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

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

TRAFFIC SIGN PERFORMANCE WARRANTY PROVISIONS

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

CERTIFIED DIGITAL SIGN FABRICATOR

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

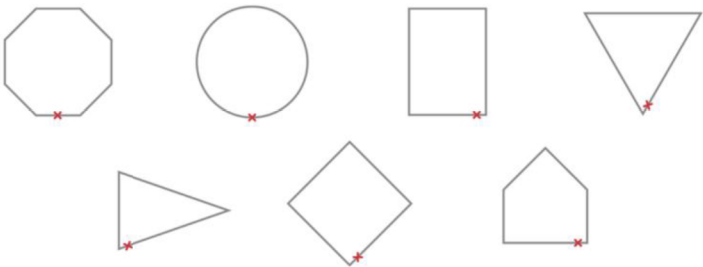
DATE TAGGING SIGNS WITH PERTINENT INFORMATION

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

1.

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



RADAR SPEED SIGN, SOLAR POWERED

The solar powered radar speed signs must operate continually 24 hours per day, 7 days per week, all year. The system will be self-contained with all components except the solar panel within the housing.

The radar speed signs will be MUTCD compliant. When installed with a (R2-1) speed limit sign, the (W13-20) radar speed sign will be installed 2 inches below and flush with the speed limit sign.

The solar panel will be mounted above the sign assembly facing to the south and tilting skyward at a 45 degree angle.

The radar speed signs will be programmed so that the feedback display does not flash or strobe at any time. The radar speed signs will provide a solid display of the speed of the approaching vehicle if at or below the posted speed limit or advisory speed limit. A solid display of "SLOW DOWN" will be displayed when vehicles exceed the posted speed limit or advisory speed limit. The radar speed sign will be dark when no vehicles are approaching.

The W13-20 and W13-20aP radar speed feedback signs will be a SAFEPACE EVOLUTION 12FM or approved equivalent as determined by the Engineer.

Install the solar powered radar speed signs according to manufacturer's recommendations.

The Contractor will provide all labor and equipment necessary to install the solar powered radar speed signs. Payment for furnishing and installing the solar powered radar speed signs including the solar panel and faceplate will be paid for at the contract unit price per each for "Radar Speed Sign, Solar Powered."

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.



0ACJ - PERMANENT SIGNING AND SIGN REMOVALS																						
Highway (Road)	MRM	x coord	y coord	Side of Road	Location Description	SIGN								POST				Work to be Done	POST LENGTHS		FLAT ALUMINUM SIGN AREAS	
						Sign Code	Sign Description	Width	Height	Size (in)	Direction Facing	Square Footage	Sheeting Type	Post Height (feet)	Number of Posts	Post size	Telescoped and Shear Slip Base		LF of 2.0"	LF of 2.5"	SQFT IV	SQFT XI
16A	55.571 + 0			Left	700 feet from existing location	ADO-2	BLACK HILLS BMW RIDERS CLUB	36	12	36 X 12	North	3	IV	15	1	2.5	YES	Reset Sign on New Posts		15.0		
						ADO-1	ADOPT A HIGHWAY	36	30	36 X 30	North	7.5	IV									
						AD-7	LITTER CREW AHEAD	30	30	30 X 30	North	6.25	IV									
16A	55.56 + 0.13			Left	At point of curvature	W1-5R	RIGHT WINDING ROAD	30	30	30 X 30	North	6.25	XI	11.6	1	2.0	NO	New Permanent Signing	11.6			6.25
						W13-1P	ADVISORY SPEED PLATE 20	18	18	18 X 18	North	2.25	XI					New Permanent Signing				2.25
16A	55.56 + 0.144			Right		R2-1E	Speed limit 35	24	30	24 X 30	South	5						Remove Traffic Sign				
16A	55.56 + 0.144			Left		ADO-2	BLACK HILLS BMW RIDERS CLUB	36	12	36 X 12	North	3						Remove Sign for Reset				
						ADO-1	ADOPT A HIGHWAY	36	30	36 X 30	North	7.5										
						AD-7	LITTER CREW AHEAD	30	30	30 X 30	North	6.25										
16A	55.56 + 0.149			Left	100 feet before point of curvature	R2-1	Speed limit 25	24	30	24 X 30	North	5	IV	14.7	2	2.5	YES	New Permanent Signing		29.4	5.0	
						W13-20aP	VEHICLE SPEED FEEDBACK (PLAQUE)	24	18	24 X 18	North	3						New Radar Speed Sign, Solar Powered				
16A	55.56 + 0.163			Left		W12-2F	TUNNEL CLEARANCES AHEAD , width 10 ft - 9 in, height 10 ft - 9 in	96	48	96 X 48	North	32						Remove Sign for Reset				
16A	55.56 + 0.18			Left		W1-5R	RIGHT WINDING ROAD	30	30	30 X 30	North	6.25						Remove Traffic Sign				
						W13-1P	ADVISORY SPEED PLATE 20	18	18	18 X 18	North	2.25						Remove Traffic Sign				
16A	55.56 + 0.18			Left		W12-2F	TUNNEL CLEARANCES AHEAD , width 10 ft - 9 in, height 10 ft - 9 in	96	48	96 X 48	North	32		11.1	2	2.5	YES	Reset Sign on New Posts		22.2		
US85	125 + 0.872			Right		R2-1X	SPEED LIMIT 30 M.P.H.	24	30	24 X 30	South	5						Remove Traffic Sign				
US85	125 + 0.872			Right		R2-1	SPEED LIMIT 30 M.P.H.	24	30	24 X 30	South	5	IV	13.1	2	2.5	YES	New Permanent Signing		26.2	5.0	
						W13-20aP	VEHICLE SPEED FEEDBACK (PLAQUE)	24	18	24 X 18	South	3						New Radar Speed Sign, Solar Powered				
US85	126.03 + 0.086			Right		R2-1X	SPEED LIMIT --30	24	30	24 X 30	South	5						Remove Traffic Sign				
						X-NS0	TRAFFIC SIGNAL SPEED	12	18	12 X 18	South	1.5						Salvage Traffic Sign				
US85	126.66 + 0.03			Left		X-NS0	your speed	18	12	18 X 12	North	1.5						Salvage Traffic Sign				
						X-NS0	lighted digital speed display	24	30	24 X 30	North	5										
						R2-1X	SPEED LIMIT 30	24	30	24 X 30	North	5						Remove Traffic Sign				
US85	126.92 + 0.019			Left		X-NS0	your speed	30	6	30 X 6	North	1.25						Salvage Traffic Sign				
						X-NS0	digital speed	30	18	30 X 18	North	3.75										
US85	126.92 + 0.041			Left		R2-1X	speed limit 30	24	30	24 X 30	North	5						Remove Traffic Sign				
US85	126.92 + 0.041			Left		R2-1	SPEED LIMIT 30 M.P.H.	24	30	24 X 30	South	5	IV	13.1	2	2.5	YES	New Permanent Signing		26.2	5.0	
						W13-20aP	VEHICLE SPEED FEEDBACK (PLAQUE)	24	18	24 X 18	South	3						New Radar Speed Sign, Solar Powered				
WLR		43.661559	-103.42118	East		W1-11R	Hairpin Curve Right	30	30	30 X 30	South							Remove Traffic Sign				
WLR		43.661559	-103.42118	East	150 feet before start of hairpin curve	W1-11R	Hairpin Curve Right	30	30	30 X 30	South	6.25	XI	12.5	1	2.0	NO	New Permanent Signing	12.5			6.25
						W13-1P	Advisory Speed Plate 10 MPH	18	18	18 X 18	South	2.25	XI					New Permanent Signing				2.25
WLR				East	At point of haripin curvature	W13-20	VEHICLE SPEED FEEDBACK SIGN	24	30	24 X 30	South	5		13	2	2.5	YES	New Radar Speed Sign, Solar Powered		26.0		
WLR		43.661692	-103.41935	East		W1-11L	Hairpin Curve Left	30	30	30 X 30	South							Remove Traffic Sign				
WLR		43.661692	-103.41935	East	150 feet before start of hairpin curve	W1-11L	Hairpin Curve Left	30	30	30 X 30	South	6.25	XI	12.5	1	2.0	NO	New Permanent Signing	12.5			6.25
						W13-1P	Advisory Speed Plate 10 MPH	18	18	18 X 18	South	2.25	XI					New Permanent Signing				2.25
WLR				East	At point of haripin curvature	W13-20	VEHICLE SPEED FEEDBACK SIGN	24	30	24 X 30	South	5		13	2	2.5	YES	New Radar Speed Sign, Solar Powered		26.0		
TOTALS:																			2.0" POSTS	2.5" POSTS	TYPE IV SIGN	TYPE XI SIGN
																			115.5 feet	366.2 feet	20 sqft	88 sqft

New Radar Speed Sign, Solar Powered TOTAL: 13

Remove Traffic Sign TOTAL: 22

Salvage Traffic Sign TOTAL: 3

Remove Sign for Reset TOTAL: 2

Reset Sign TOTAL: 2



# SIGN BASE DETAILS

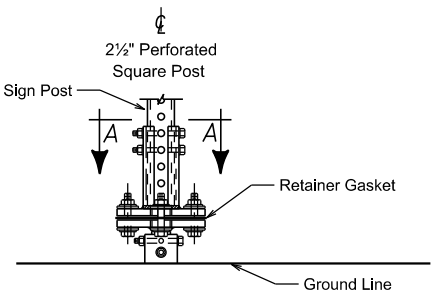


Plotting Date: 12/19/2025

PROJECT	SECTION	SHEET
PH 0040(365)	Non	8/12

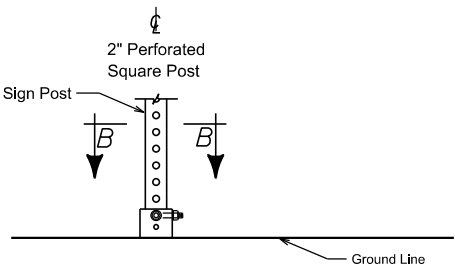
## BREAKAWAY SIGN SUPPORTS

### SLIP BASE DESIGN

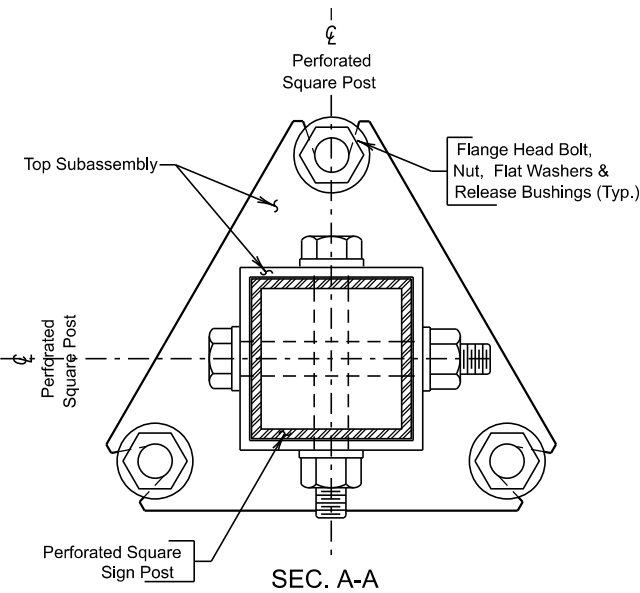


ELEVATION

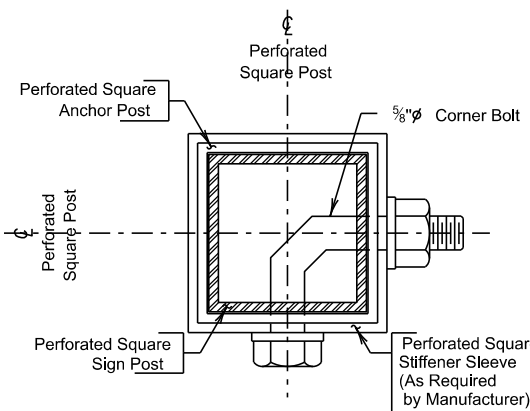
### STUB POST DESIGN



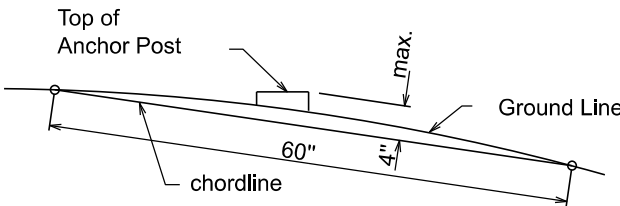
ELEVATION



SEC. A-A



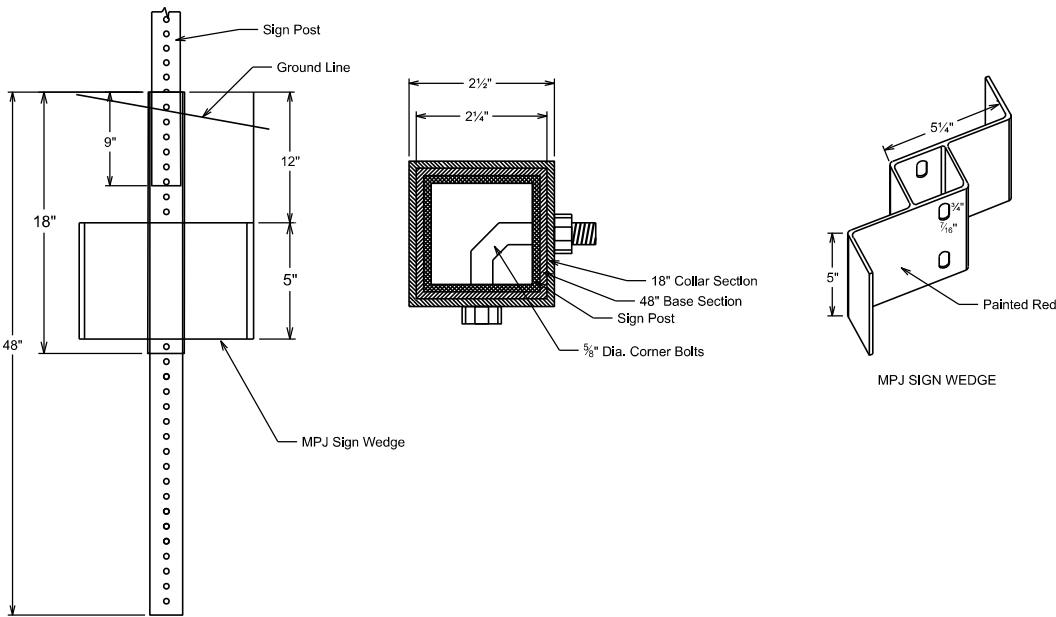
SEC. B-B



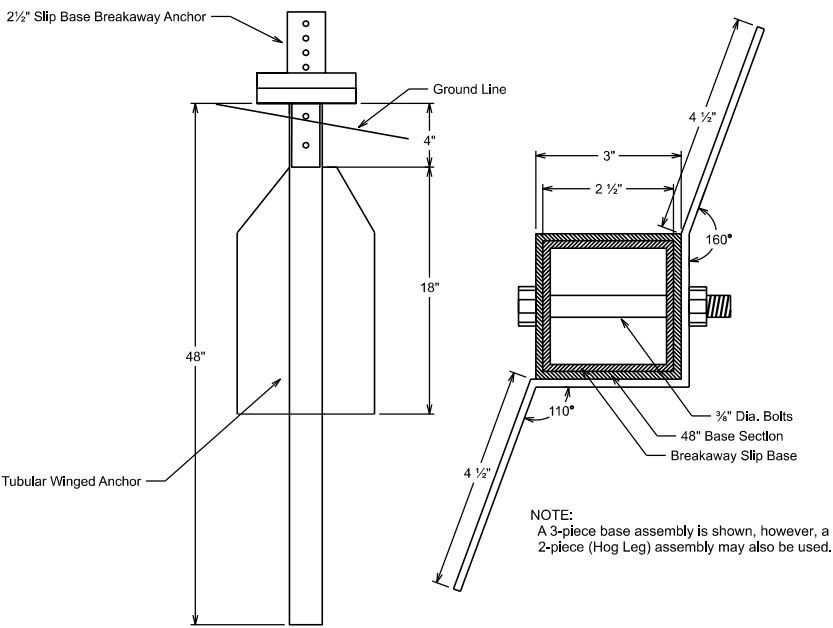
BREAKAWAY SUPPORT STUB CLEARANCE DIAGRAM

NOTE: The top of anchor post will NOT extend more than 4" max above the chordline within a 60" chord.

### SIGN BASE DETAILS FOR A 2" SIGN POST



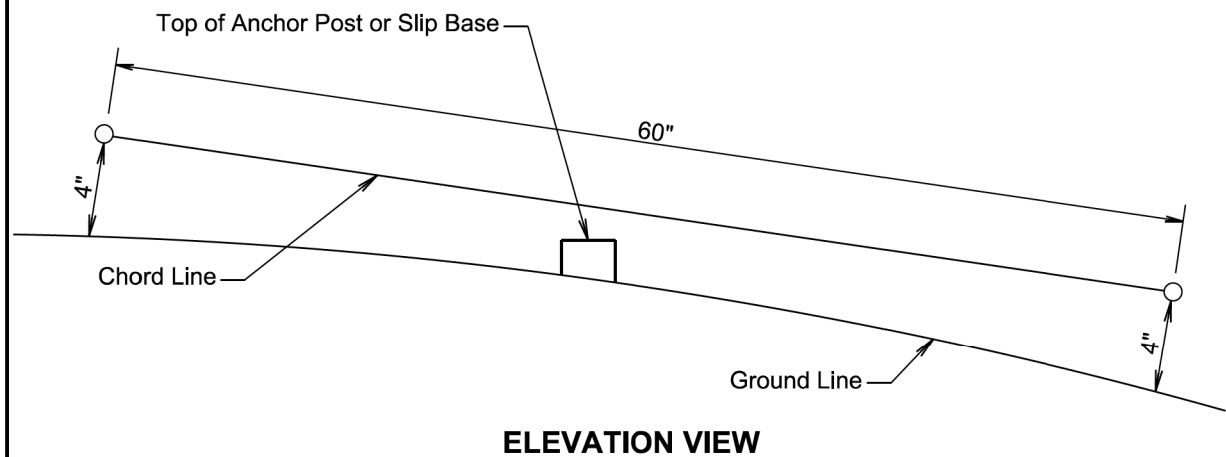
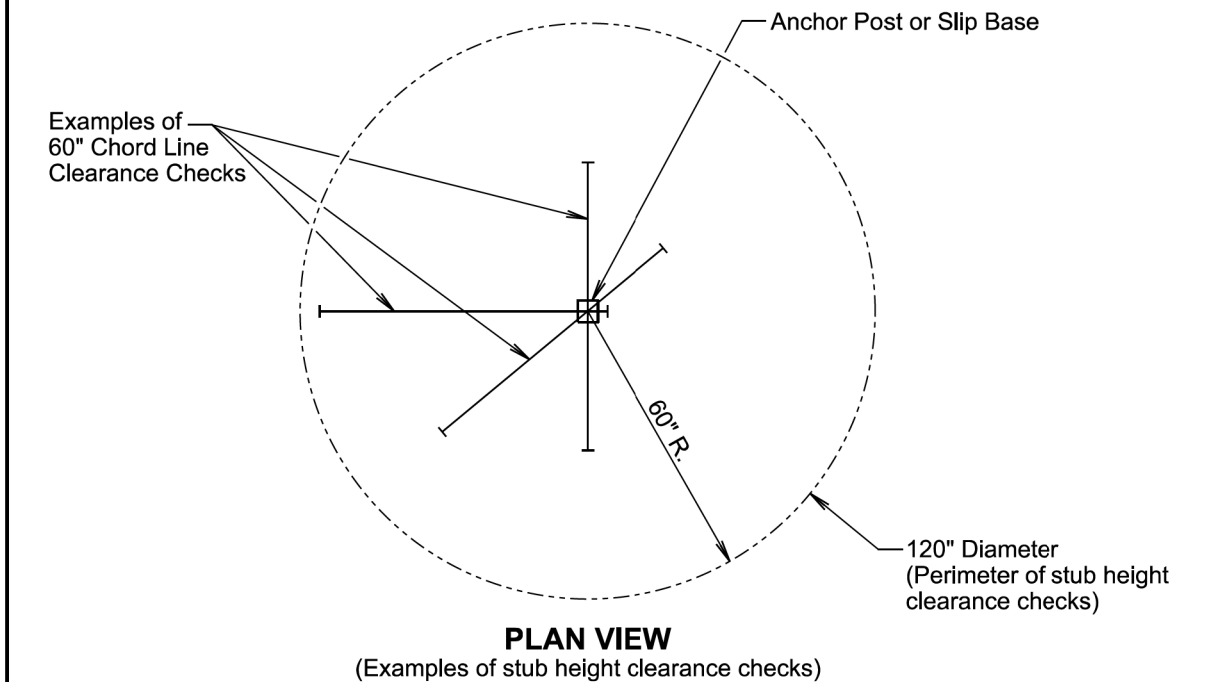
### SIGN BASE DETAILS FOR A 2 1/2" SIGN POST



#### General Notes:

- Design Specification: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, Latest Edition.
- The manufacturer will provide certification that the posts and hardware furnished have essentially the same chemistry, mechanical properties and geometry as that used in the FHWA tests, and that it will meet the FHWA change in velocity requirements.
- The manufacturer will also provide certification that the breakaway system furnished will develop the full shear and bending yield strength of the sign post section being spliced.
- All posts will be galvanized in accordance with ASTM A653, Des. G-90.
- All hardware will be galvanized in accordance with ASTM A153.





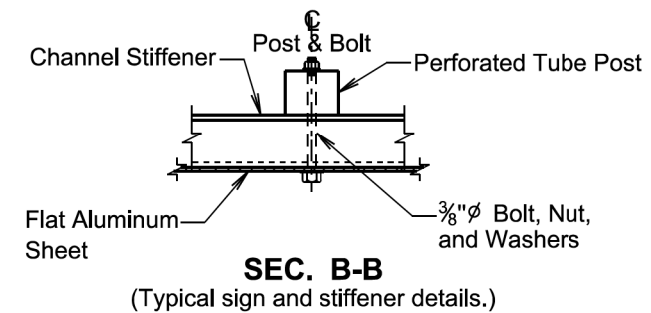
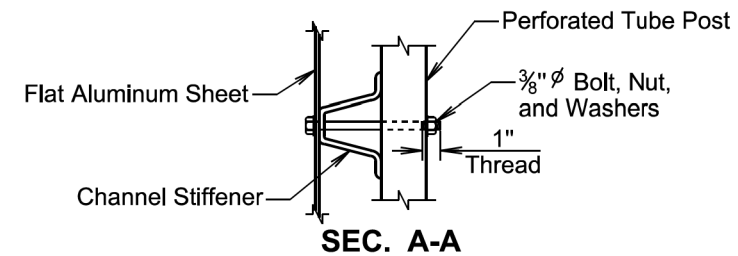
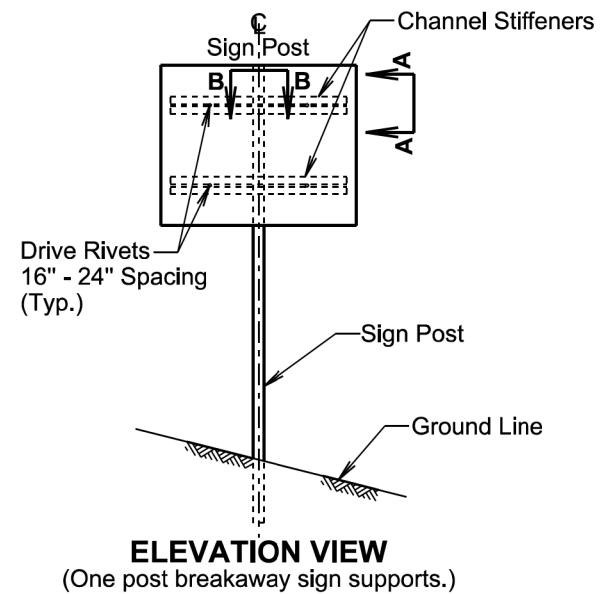
**GENERAL NOTES:**

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

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

January 22, 2021

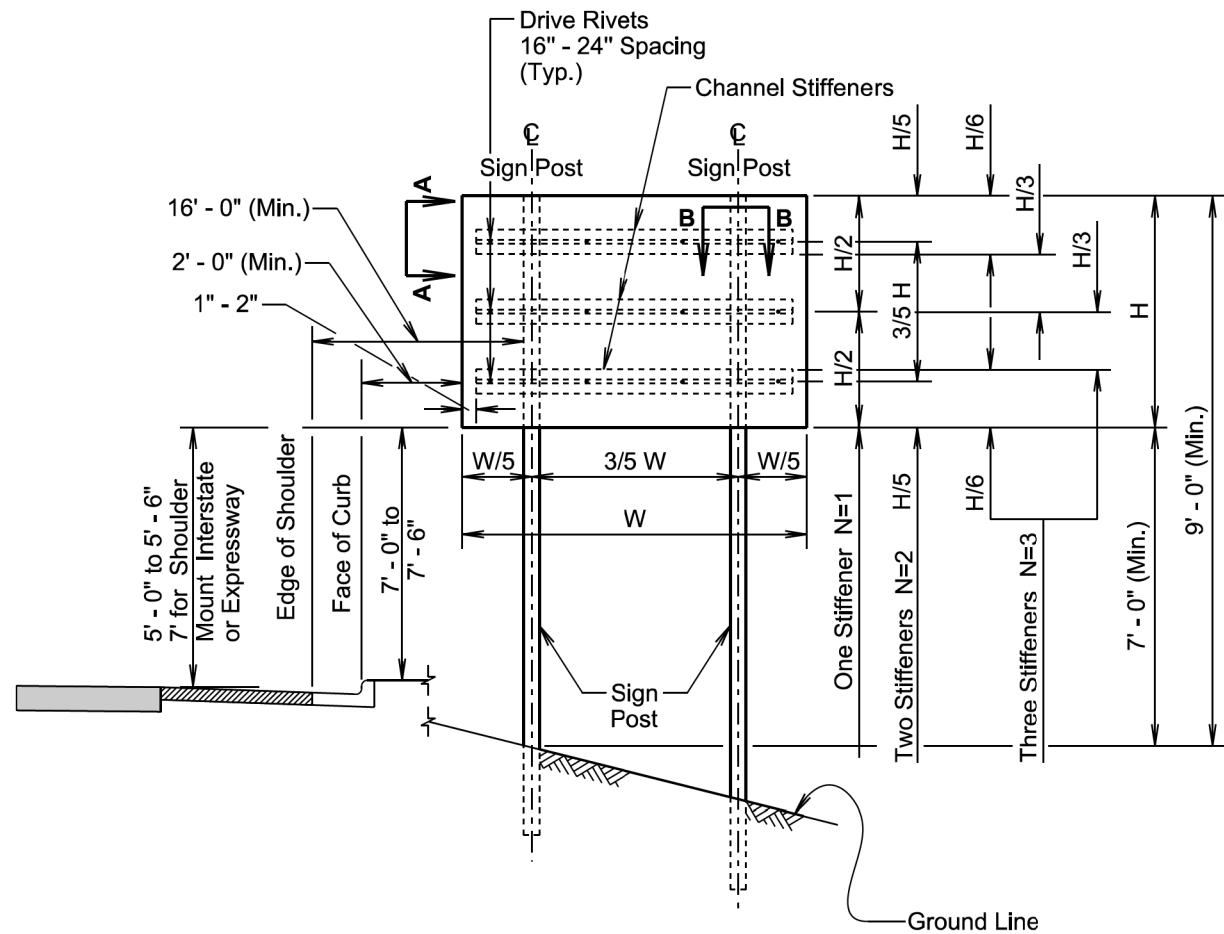
<i>Published Date: 2026</i>		<b>BREAKAWAY SUPPORT STUB CLEARANCE</b>	PLATE NUMBER 632.18
			Sheet 1 of 1



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

November 19, 2020

<i>Published Date: 2026</i>		<b>SIGN STIFFENER DETAILS</b>	PLATE NUMBER 632.60
			Sheet 1 of 2



## TWO POST BREAKAWAY SIGN SUPPORTS

### GENERAL NOTES:

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

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

November 19, 2020

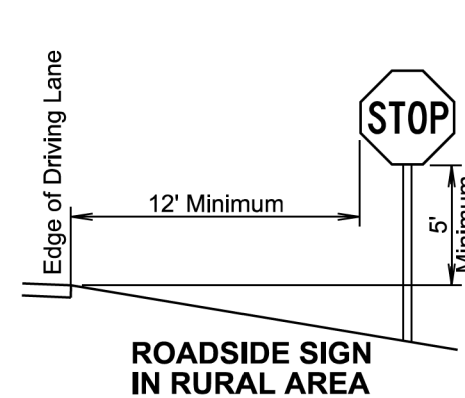
Published Date: 2026

SD  
DOT

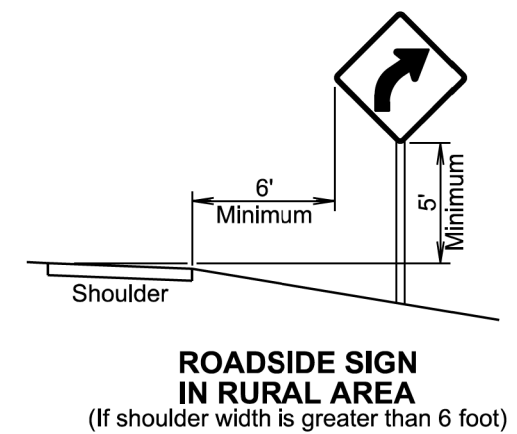
## SIGN STIFFENER DETAILS

PLATE NUMBER  
632.60

Sheet 2 of 2

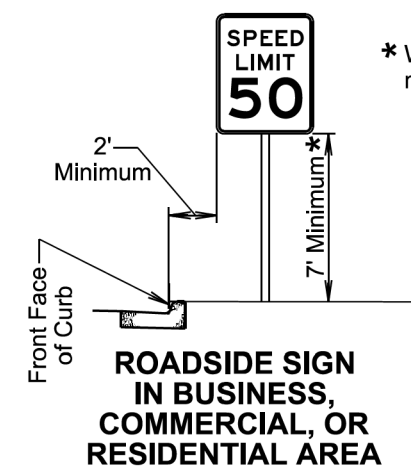


## ROADSIDE SIGN IN RURAL AREA

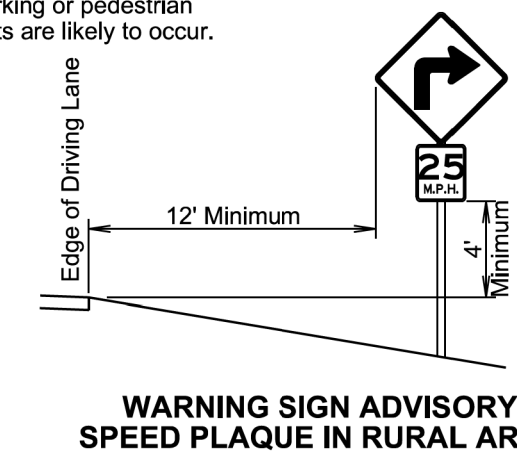


## ROADSIDE SIGN IN RURAL AREA

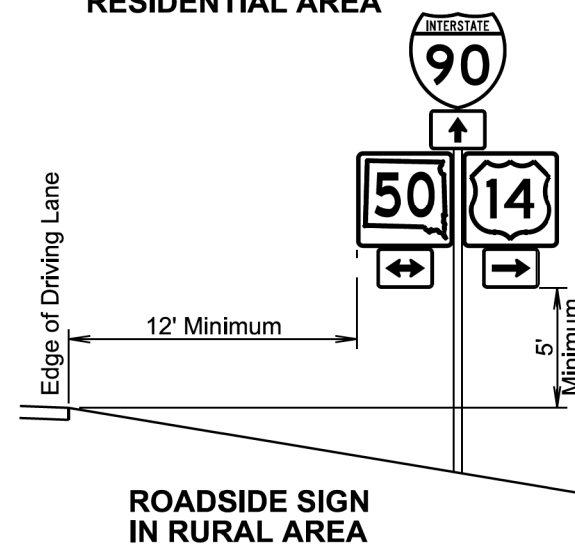
(If shoulder width is greater than 6 foot)



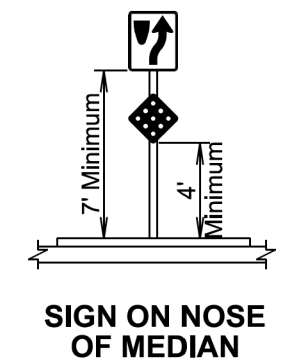
## ROADSIDE SIGN IN BUSINESS, COMMERCIAL, OR RESIDENTIAL AREA



## WARNING SIGN ADVISORY SPEED PLAQUE IN RURAL AREA



## ROADSIDE SIGN IN RURAL AREA



## SIGN ON NOSE OF MEDIAN

April 8, 2025

Published Date: 2026

SD  
DOT

## OFFSETS FOR SIGN INSTALLATION

PLATE NUMBER  
632.90

Sheet 1 of 1





