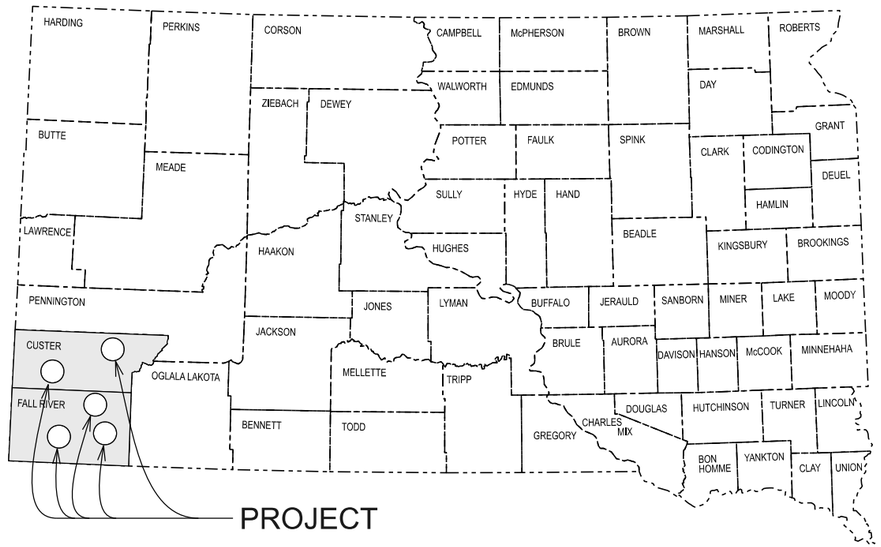
STATE OF SOUTH DAKOTA	PROJECT	SECTION	SHEET
	NH-P 0043(253)	non	1/19

Plotting Date: 10/15/2026



STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED

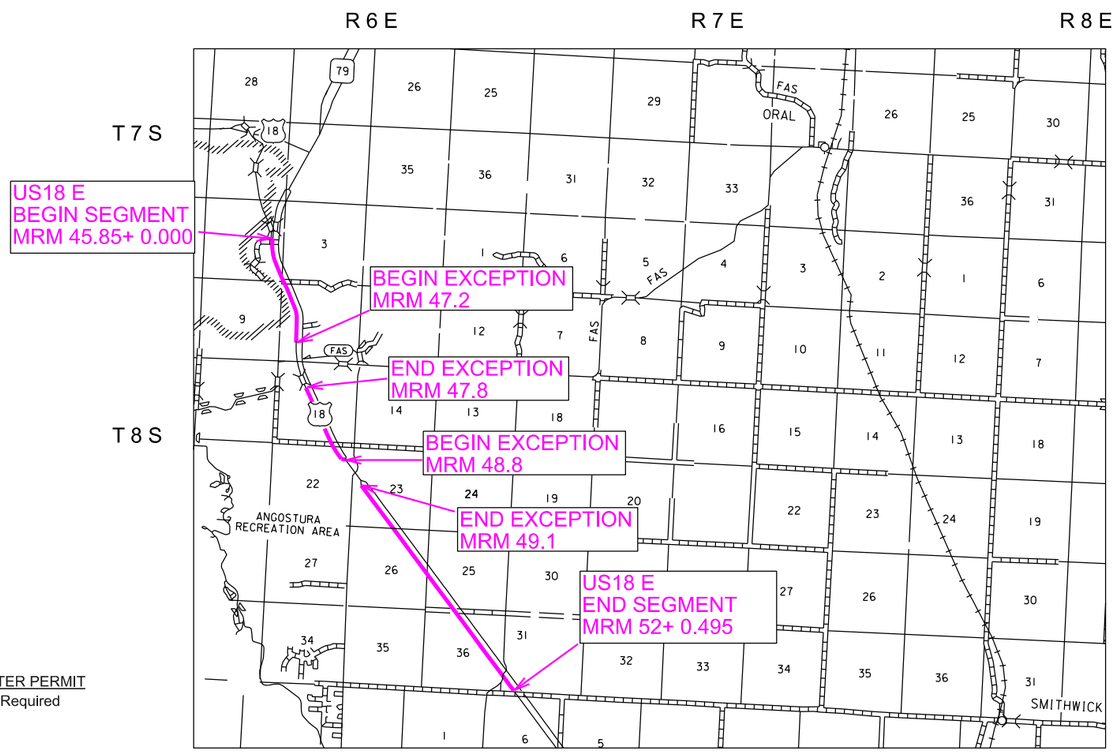
PROJECT NH-P 0043(253)
SD HIGHWAYS 71 and 79
US HIGHWAYS 16A, 18 and 385
FALL RIVER and CUSTER COUNTIES

ASPHALT SURFACE TREATMENT
PCN 0AAQ

INDEX OF SHEETS

1 - 2	General Layout with Index
3 - 11	Estimate of Quantities and Plan Notes
12 - 13	Pavement Marking Details
14 - 15	Fixed Location Signs
16 - 19	Standard Plates

FALL RIVER COUNTY



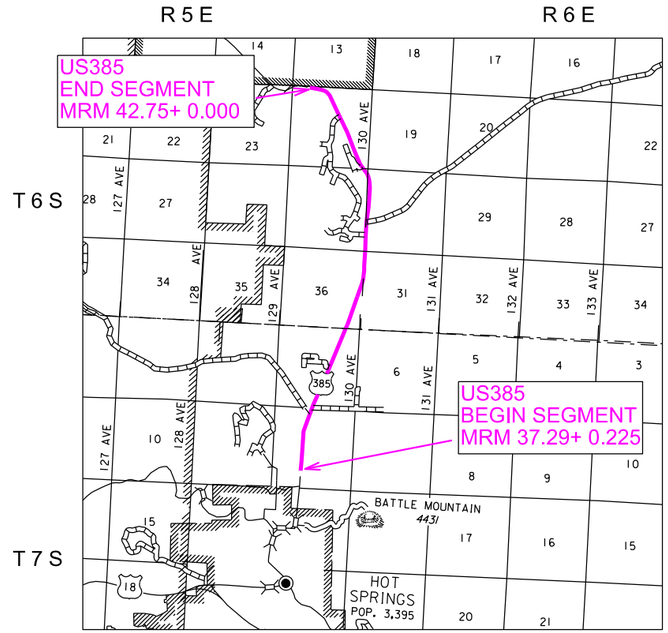
STORM WATER PERMIT
No Permit Required

DESIGN DESIGNATION (US18E)

ADT (2025)	1306
ADT (2045)	1941
DHV	352
D	51%
T DHV	8.8%
T ADT	19.3%
V	65 MPH

Gross Length	6.283 Miles
Length of Exceptions	0.892 Miles
Net Length	5.391 Miles

FALL RIVER COUNTY



DESIGN DESIGNATION (US385)

ADT (2025)	2334
ADT (2045)	3556
DHV	583
D	51%
T DHV	1.1%
T ADT	2.4%
V	65 MPH

Gross Length	5.455 Miles
Length of Exceptions	0.000 Miles
Net Length	5.455 Miles

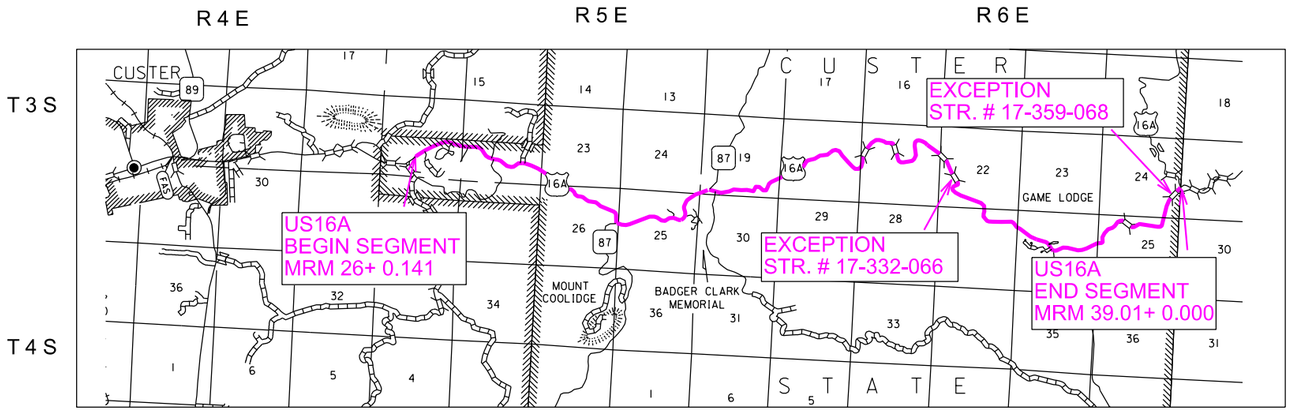
6

December 9, 2026

STATE OF SOUTH DAKOTA	PROJECT	SECTION	SHEET
	NH-P 0043(253)	non	2/19

Plotting Date: 10/19/2026
Revised: 10-19-26 jpr

CUSTER COUNTY

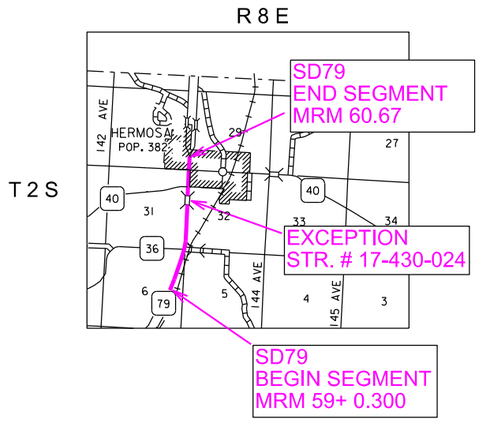


DESIGN DESIGNATION (US16A)

ADT (2025)	1618
ADT (2045)	2638
DHV	432
D	51%
T DHV	2.2%
T ADT	4.8%
V	40 MPH

Gross Length	12.795 Miles
Length of Exceptions	0.030 Miles
Net Length	12.765 Miles

CUSTER COUNTY

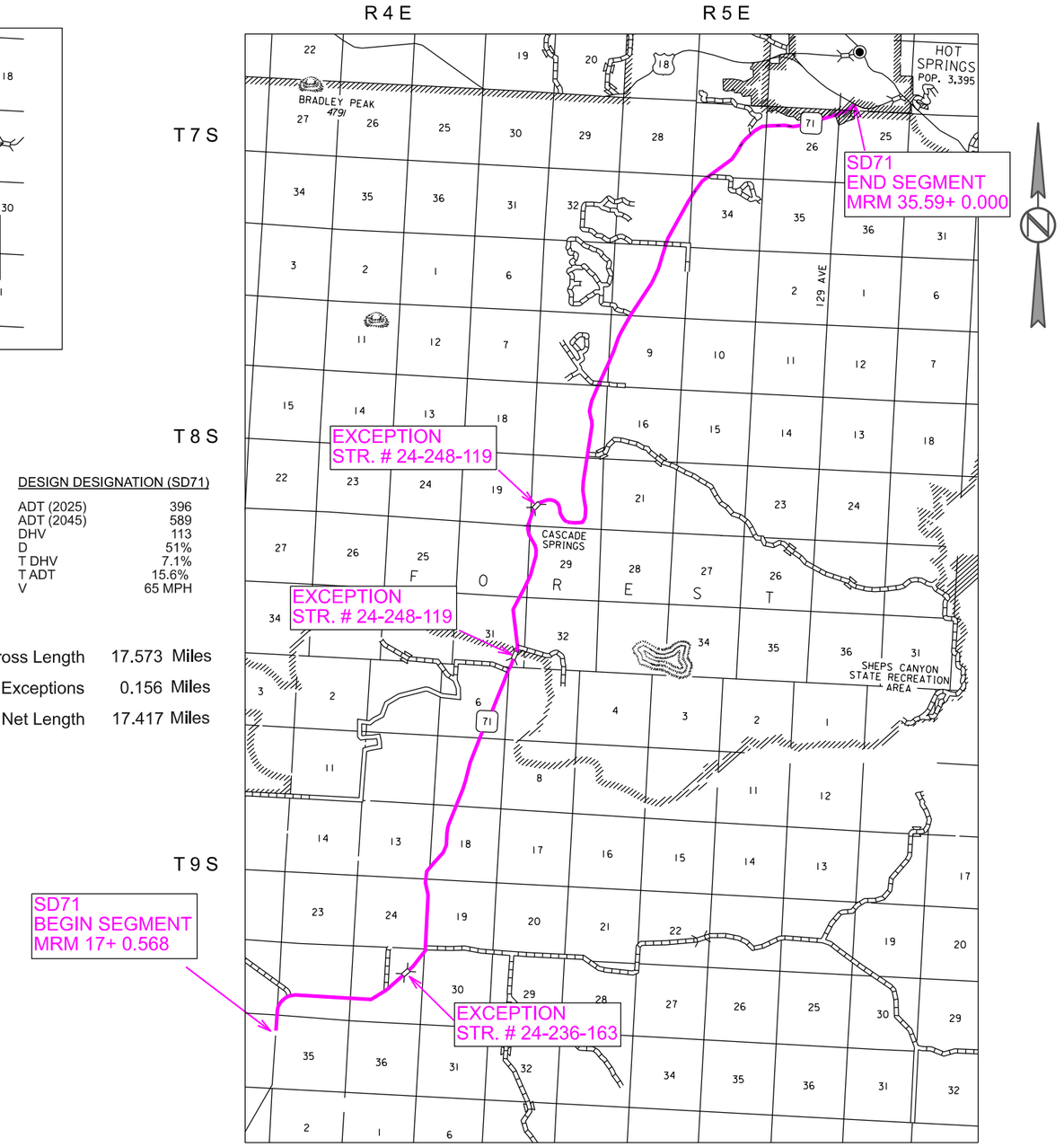


DESIGN DESIGNATION (SD79)

ADT (2025)	6211
ADT (2045)	10130
DHV	1659
D	51%
T DHV	6.3%
T ADT	13.8%
V	65 MPH

Gross Length	1.367 Miles
Length of Exceptions	0.038 Miles
Net Length	1.329 Miles

FALL RIVER COUNTY



DESIGN DESIGNATION (SD71)

ADT (2025)	396
ADT (2045)	589
DHV	113
D	51%
T DHV	7.1%
T ADT	15.6%
V	65 MPH

Gross Length	17.573 Miles
Length of Exceptions	0.156 Miles
Net Length	17.417 Miles

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E4100	Construction Schedule, Category I	Lump Sum	LS
330E0300	SS-1h or CSS-1h Asphalt for Fog Seal	166.0	Ton
330E3000	Sand for Fog Seal	50.0	Ton
360E0044	HFMS-2 Asphalt for Surface Treatment	995.7	Ton
360E1030	Type 2A Cover Aggregate	662.5	Ton
360E1030	Type 2A Cover Aggregate	4,324.3	Ton
360E1030	Type 2A Cover Aggregate	1,454.9	Ton
360E1030	Type 2A Cover Aggregate	300.4	Ton
360E1030	Type 2A Cover Aggregate	2,239.1	Ton
633E1200	High Build Waterborne Pavement Marking Paint, White	1,863	Gal
633E1205	High Build Waterborne Pavement Marking Paint, Yellow	1,417	Gal
633E6005	Pavement Marking Masking, 5"	15,980	Ft
633E6020	Pavement Marking Masking, 25"	567	Ft
633E6030	Pavement Marking Masking, Arrow	12	Each
634E0010	Flagging	1,120.0	Hour
634E0020	Pilot Car	250.0	Hour
634E0110	Traffic Control Signs	2,541.8	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	4	Each
634E0420	Type C Advance Warning Arrow Board	2	Each
634E0630	Temporary Pavement Marking	109.9	Mile
634E1255	Contractor Furnished Vehicle Speed Feedback Sign	1	Each

TABLE OF QUANTITIES BY HIGHWAY SEGMENT

	US18 E	US385	US16A	SD79	SD71		
MRM to	**45.85+ 0.074**	**37.29+ 0.225**	**26+ 0.141**	**59+ 0.300**	**17+ 0.568**		
MRM	**52+ 0.495**	**42.75+ 0.000**	**39.01**	**60.67**	**35.59**	**Total**	
Item						**Quantity**	**Unit**
SS-1h or CSS-1h Asphalt for Fog Seal	26.9	12.2	41.4	5.6	79.9	**166.0**	**Ton**
Sand for Fog Seal	10.0	10.0	10.0	10.0	10.0	**50.0**	**Ton**
HFMS-2 Asphalt for Surface Treatment	161.3	73.4	248.2	33.3	479.5	**995.7**	**Ton**
Type 2A Cover Aggregate	1,454.9	662.5	2,239.1	300.4	4,324.3	**8,981.2**	**Ton**
High Build Waterborne Pavement Marking Paint, White	175		711		977	**1,863.0**	**Gal**
High Build Waterborne Pavement Marking Paint, Yellow	175		665	152	425	**1,417.0**	**Gal**
Flagging	60.0	100.0	400.0	60.0	500.0	**1,120.0**	**Hour**
Pilot Car		25.0	100.0		125.0	**250.0**	**Hour**
Traffic Control Signs	359.2	354.6	578.4	768.0	481.6	**2,541.8**	**SQFT**
Traffic Control, Miscellaneous	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	**Lump Sum**	**LS**
Temporary Pavement Marking	18.8		38.4		52.7	**109.9**	**Mile**

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 B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

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 C: WATER SOURCE

If a Contractor needs access to state waters for extraction, the Contractor must obtain a water right, through the application of a Temporary Permit to Use Public Waters before work begins.

The Contractor will not withdraw water with equipment previously used outside the State of South Dakota or previously used in aquatic invasive species (AIS) positive waters within South Dakota without prior approval from the SDDOT Environmental Office. To prevent and control the introduction and spread of invasive species into the project vicinity, all equipment will be power washed with hot water (≥140 °F) and completely dried for a minimum of 7 days prior to subsequent use. South Dakota administrative rule 41:10:04:02 forbids the possession and transport of AIS; therefore, all attached dirt, mud, debris and vegetation must be removed and all compartments and tanks capable of holding standing water must be drained. This includes, but is not limited to, all equipment, pumps, lines, hoses and holding tanks.

Action Taken/Required:

The Contractor will obtain the necessary permits from the regulatory agencies such as the South Dakota Department of Agriculture and Natural Resources (SDDANR) and the United States Army Corps of Engineers (USACE) prior to water extraction activities.

Temporary permit to use public waters for highway construction purposes application can be found on the SDDANR website: https://danr.sd.gov/OfficeOfWater/WaterRights/PermitForms/default.aspx

Additional information and mapping of water sources impacted by Aquatic Invasive Species in South Dakota can be accessed at:
< https://sdleastwanted.sd.gov/maps/default.aspx >

South Dakota Administrative Rule 41:10:04 Aquatic Invasive Species:
< https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04 >

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.

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES

The SDDOT has obtained concurrence with the State Historical Preservation Office (SHPO or THPO) for all work included within the project limits and all department designated sources and designated option material sources, stockpile sites, storage areas, and waste sites provided within the plans.

Action Taken/Required:

All earth disturbing activities not designated within the plans require a cultural resource review prior to scheduling the pre-construction meeting. This work includes but is not limited to: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor will arrange and pay for a record search and when necessary, a cultural resource survey. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review if the site was previously surveyed; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor will provide ARC with the following: a topographical map or aerial view in which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

The Contractor will submit the cultural resources survey report to SDDOT Environmental Office, 700 East Broadway Avenue, Pierre, SD 57501-2586. SDDOT will submit the information to the appropriate SHPO/THPO. Allow **30 Days** from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

In the event of an inadvertent discovery of human remains, funerary objects, or if evidence of cultural resources is identified during project construction activities, then such activities within 100 feet of the inadvertent discovery will immediately cease and the Project Engineer will be immediately notified. The Project Engineer will contact the SDDOT Environmental Office, who will contact the appropriate SHPO/THPO within 48 hours of the discovery to determine an appropriate course of action.

SHPO/THPO review does not relieve the Contractor of the responsibility for obtaining any additional permits and clearances for Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas that affect wetlands, threatened and endangered species, or waterways. The Contractor will not utilize a site known or suspected of having contaminated soil or water. The Contractor will provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

COORDINATION WITH OTHER PROJECTS

Asphalt Concrete Crack Sealing on project NH-P 0043(252), PCN 0AAE is scheduled for the construction season of 2027. The location is US16A, MRM 26+0.141 to MRM 39.01, SD79, MRM 59+ 0.300 to MRM 60.67 and US385, MRM 37.29+ 0.114 to MRM 42.75. The Contractor on this project will coordinate with the Contractor on the crack sealing project, so that crack sealing is completed prior to the asphalt surface treatment. All costs associated with this coordination will be incidental to the various bid items on the project.

ASPHALT SURFACE TREATMENT RATES OF MATERIALS

HFMS-2 Asphalt for Surface Treatment applied 0.30 gallons per square yard.

Type 2A Cover Aggregate applied 23 pounds per square yard.

SS-1h or CSS-1h Emulsified Asphalt for Fog Seal applied 0.05 gallons per square yard.

FOG SEAL APPLICATION

The Fog Seal will be applied within 1 to 4 days following the placement of the cover aggregate.

FOG SEAL

The fog seal will be placed following the completion of the asphalt surface treatment. Prior to the application of the fog seal, the Contractor will be required to broom the asphalt surface treatment. A CSS-1h or SS-1h emulsion will be used for the fog seal application. A water-to-emulsion rate of 1:1 should be used for the Fog Seal application.

The Contractor will fog seal the entire asphalt surface treatment surface.

The Contractor will plan the fog seal operation to allow adequate cure time for the fog seal and to minimize/eliminate the need to apply Sand for Fog Seal.

If adequate cure time for the Fog Seal is not available, to facilitate traffic, the Contractor will be allowed to place a minimum sufficient amount of blotting sand on the fog seal to allow traffic to cross the uncured portion of the fog seal, as permitted by the Engineer.

Sand for Fog Seal is only intended to be placed for accesses to businesses, intersection crossings, and as determined by the Engineer to facilitate traffic movements. Sand for Fog Seal will not be placed to accelerate the Contractor's schedule.

Sand that is applied will be broomed off the surface of the roadway once the fog seal has sufficiently cured as determined by the Engineer.

Sand for Fog Seal will conform to Section 879.1.B.

Prior to hauling, Sand for Fog Seal will be screened to minimize segregation, eliminate oversize, and effectively breakup or discard material bonded into chunks. All costs for supplying, hauling, placing, and brooming the blotting sand will be incidental to the contract unit price per ton for Sand for Fog Seal.

BROOMING

Upon completion of brooming operations a windrow of cover aggregate will not exist along the edge of the roadway. This material will be leveled to match the existing inslopes. Any remaining windrows of cover aggregate will be removed by the Contractor at the Contractor's expense.

TRANSVERSE RUMBLE STRIPS

If transverse rumble strips are located on a segment they will not be disturbed. The Contractor will only apply a fog seal to these rumble strips.

CENTERLINE RUMBLE STRIPES

If centerline rumble stripes exist along the route they will be covered with the asphalt surface treatment to seal the centerline joint and minimize the depth of water ponding on centerline.

BRIDGES AND APPROACH SLABS

Asphalt surface treatment will not be placed on any bridges or approach slabs along the project. Bridge joints will be covered with an approved masking material to prevent the asphalt surface treatment from coming in contact with the bridge and/or bridge joint. All loose aggregate will be cleaned from the bridge and around the guardrail posts. All costs associated with this work will be incidental to the asphalt surface treatment bid items.

TABLE OF MATERIAL QUANTITIES

Highway							Total Length	Total Length	Length Exceptions	Net Length	Mainline Width	Type 2A Cover Aggregate		HFMS-2 Asphalt for Surface Treatment		Fog Seal Width	SS-1h or CSS-1h Asphalt for Fog Seal	
	MRM to		MRM		Mileage to	Mileage	(miles)	(ft)	(ft)	(ft)	(ft)	(ton)	(tons/mile)	(ton)	(tons/mile)	(ft)	(ton)	(tons/mile)
US18E	45.85+	0.000	52+	0.495	0.595	6.878	6.283	33174	4709	28465	40	1454.9	270	161.3	29.9	40	26.9	5.0
					Segment Total		**6.283**	**33174**		**28465**		**1454.9**		**161.3**			**26.9**	
US385 (2-8' shoulders)	37.29+	0.225	42.75+	0.000	3.291	8.746	5.455	28802		28802	18	662.5	121	73.4	13.5	18	12.2	2.2
					Segment Total		**5.455**	**28802**		**Segment Total**		**662.5**		**73.4**			**12.2**	
US16A	26+	0.141	39.01+	0.000	3.420	16.215	12.795	67558	160	67398	26	2239.1	175	248.2	19.4	26	41.4	3.2
					Segment Total		**12.795**	**67558**		**Segment Total**		**2239.1**		**248.2**			**41.4**	
SD79 (2-8' shoulders)	59+	0.300	60.67+	0.000	0.599	1.966	1.367	7218	202	7016	18	161.4	121	17.9	13.5	18	3.0	2.3
SD79 Additional Quantities												139.0		15.4			2.6	
					Segment Total		**1.367**	**7218**		**Segment Total**		**300.4**		**33.3**			**5.6**	
SD71	17+	0.568	20.13+	0.116	16.962	19.643	2.681	14156	372	13784	30	528.4	202	58.6	22.4	30	9.8	3.8
	20.13+	0.116	35.59+	0.000	19.643	34.535	14.892	78630	453	78177	38	3795.9	256	420.9	28.4	38	70.1	4.7
					Segment Total		**17.573**	**92785**		**Segment Total**		**4324.3**		**479.5**			**79.9**	

TABLE OF ADDITIONAL QUANTITIES

SD 79	Length (ft)	Type 2A Cover Aggregate (tons)	HFMS-2 Asphalt for Surface Treatment	Asphalt for Fog Seal (tons)
Median, MRM 59 to 59.4 (29' Avg. Width)	1952	72.3	8.0	1.3
Median, MRM 59.6 to 60.1 (16' Avg. Width)	2576	52.7	5.8	1.0
Median, MRM 60.1 to 60.2 (16' Avg. Width)	421	8.6	1.0	0.2
Median, MRM 60.6 to 60.7 (16' Avg. Width)	271	5.5	0.6	0.1
Total:		**139.0**	**15.4**	**2.6**

TABLE OF EXCEPTIONS

Highway	MRM	Structure Number or Other	Length (ft)
US18E	47.2 to 47.8	PCCP	3022
US18E	48.8 to 49.1	PCCP	1687
US16A	34.93	17-332-066	50
US16A	38.91	17-359-068	110
SD79	60.13	17-430-024	202
SD71	19.68	24-236-163	372
SD71	24.50	24-248-119	453
SD71	26.81	24-251-099	104
		Total	**6000**

PERMANENT PAVEMENT MARKING – GENERAL NOTES

The Contractor will survey and mark the location of no passing zones prior to covering pavement marking.

The Contractor will repaint all the existing pavement marking paint including centerline, edge line, lane lines, arrows, gore areas, etc. The Contractor will be required to inventory and mark, with appropriately colored tabs, the extent and location of the existing word messages, turn arrows, stop bars, railroad crossings, pedestrian crossings, gore areas, etc. before the markings are obliterated. Locations of pavement marking tape will be masked. The Contractor will provide a copy of the pavement marking inventory to the Engineer. All costs associated with this work will be incidental to the various pavement marking bid items.

Application of permanent pavement marking may begin no sooner than 7 calendar days following completion of the fog seal and will be completed within 14 calendar days following completion of the fog seal.

RATES OF MATERIALS FOR HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT

Solid 4” line = 27.8 Gals/Mile
Dashed 4” line = 7.6 Gal/Mile
Glass Beads = 8 Lbs/Gal.

All cost for materials, labor and equipment necessary to furnish and install the pavement markings will be incidental to the contract unit price for the respective High Build Waterborne Pavement Marking Paint items.

HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT

All materials will be applied as per manufacturer’s recommendations. High build waterborne pavement marking paint will conform to Section 980.1 B.

Reflective media will consist of glass beads. Reflective media will require a Certificate of Compliance for Certification for each source and lot. Acceptance sampling will not be required.

DATA LOGGING SYSTEM

The Contractor will provide striper computerized data logging system files as described below. The pavement marking device will have an onboard monitoring system for the purpose of managing the amount of pavement marking materials being applied to the pavement surface.

The following will be included in the documentation from the data logging system:

- State project number and PCN
- Highway number
- Beginning and end MRMs of the section marked rounded to the nearest hundredth of a mile, including direction of travel
- Beginning and ending coordinates determined by a Global Positioning System receiver with 3-meter accuracy, including direction of travel
- Date and beginning and ending time of application
- Product applied
- Lot number(s) of product (binder and reflective material) applied
- Striping Contractor (striper code)
- Designation of the marking being applied (LEL – Left Edgeline, REL – Right Edgeline, CL – Centerline, LL – Lane Line Broken or Dotted, 1LL – leftmost LL in multilane, 2LL – second to leftmost LL in multilane, etc.)
- Width of marking being applied
- Presence of recess or rumble strip
- Presence of contrast
- Average material application rate and film thickness calculated for the section striped

The following data will be included in the documentation from the data logging system reported as an average for each drive mile (or other segment approved by the Engineer) installed:

- Application vehicle speed rounded to the nearest tenth of a mile per hour
- Weight (Lbs) and/or volume (Gal) as measured through a positive displacement pump (mechanism or flow meter) of liquid material used by color
- Weight (Lbs) of reflective material used
- Ratio of reflective material used (weight) per liquid material used (volume) reported as Lbs/Gal
- Ambient air temperature (in degrees Fahrenheit)
- Road surface temperature (in degrees Fahrenheit)
- Humidity (percent)
- Dew point (in degrees Fahrenheit)

Provide the measurement report in the form of an electronic database file, or delimited text file, containing raw data collected. Provide the Engineer with a printed summary and submit the electronic data to the Region Traffic Engineer at the e-mail below and copy the Engineer.

jesse.nelson@state.sd.us

The data logging system equipment will be operational, calibrated, and in use during pavement marking operations. Pavement marking installation without the use of a data logging system may not be accepted.

Upon request, provide to the Engineer the data logging system manufacturer’s recommendations for equipment calibration frequency and provide certification that the equipment meets manufacturer’s recommended calibration.

Verify that the physical and electronic measurement of distance travelled is consistent by travelling a 100-foot distance prior to the start of pavement marking operations.

All cost for materials, labor, and equipment necessary to provide the pavement marking data as described will be incidental to the contract unit price for the respective pavement marking items.

PAVEMENT MARKING MASKING

Just prior to beginning the asphalt surface treatment, all pavement marking tape will be covered with an approved pavement marking masking material. The masking will protect the pavement marking tape from oil and aggregates. Tabs will be placed on each masking line to provide a guide for locating the masking material after the surface treatment has been applied. Masking application ahead of the surface treatment will not exceed the amount estimated for the current day’s operation. Upon completion of the fog seal, all masking material will be removed and disposed of by the Contractor.

Typical masking products may require multiple layers installed prior to the asphalt surface treatment. The estimated quantity for payment is for one installation even though multiple layers of masking material was installed. Separate measurement and payment for each layer of masking material installed and removed will not be made.

The Contractor will remove and dispose of the masking material after completion of the work.

All costs associated with this work will be incidental to the various contract items for Pavement Marking Masking.

TABLE OF PAVEMENT MARKING MASKING

Hwy.	Begin MRM	End MRM	Description	Pavement Marking Masking, Arrow	Pavement Marking Masking, 5"	Pavement Marking Masking, 25"
				(Each)	(Ft)	(Ft)
US18 E	45.85	52+0.495	Centerline Skips		7120	
SD87	41+ 0.71	41+ 0.72	Intersection with SD89	2	1870	84
US16A	29.16		SD 87 S Turn Lanes	4	2166	140
US16A	30		Crosswalk			48
US16A	30.6		SD 87 N Turn Lanes	2	1908	78
US16A	36.7		Wildlife Loop Turn Lane	2	1700	175
SD71	35.6		Intersection with US18	2	1216	42
			Segment Total	**12**	**15980**	**567**

TABLE OF PAVEMENT MARKING QUANTITIES

Highway					Total Length	High Build Waterborne Pavement Marking Paint, Yellow	High Build Waterborne Pavement Marking Paint, White	Temporary Pavement Marking
	MRM to		MRM		(miles)	(Gal)	(Gal)	Mile
US18 E	45.85+	0.000	52+	0.495	6.283	175	175	18.8
US16A	26+	0.141	39.01+	0.000	12.795	665	711	38.4
SD79	59+	0.300	60.67+	0.000	1.367	152		
SD71	17+	0.568	35.59+	0.000	17.573	425	977	52.7
				Totals	**38.018**	**1417**	**1863**	**109.9**

TEMPORARY PAVEMENT MARKING

Temporary Flexible Vertical Markers (Tabs) will be required on the project. The manufacturers installation procedures for the tabs to be used will be provided at the preconstruction meeting. The manufacturer's installation procedure will be followed.

The total length of no passing zones are estimated at
10.8 miles on US16A (MRM 26+ 0.141 to MRM 39.01)
10.5 miles on SD71 (MRM 17+ 0.568 to MRM 35.59)

It is estimated that 16 DO NOT PASS (R4-1) signs and 16 PASS WITH CARE (R4-2) signs will be required on US16A (MRM 26+ 0.141 to MRM 39.01) to mark the no passing zones.

It is estimated that 34 DO NOT PASS (R4-1) signs and 34 PASS WITH CARE (R4-2) signs will be required on SD71 (MRM 17+ 0.568 to MRM 35.59) to mark the no passing zones.

Temporary flexible vertical markers (tabs) will be installed on one side of the centerline rumble for the temporary pavement marking. No passing zones will be marked in accordance with Specifications. DO NOT PASS (R4-1) and PASS WITH CARE (R4-2) signs will also be used in addition to the temporary flexible vertical markers (tabs) placed per Specifications to mark no passing zones.

Covers on the tabs will be sufficiently secured to prevent traffic from dislodging the cover and when removed, the covers will be properly disposed of. The Contractor will remove and properly dispose of the tabs after permanent pavement marking is applied. Method of removal will be nondestructive to the road surface and will be accomplished within one week of completion of the permanent pavement marking.

Full reflectivity of all temporary flexible vertical markers (tabs) is required at all times. The Contractor will be required to replace any missing or non-reflective tabs after each installation as detailed below at no additional cost to the State.

Quantities of Temporary Pavement Markings consist of:

One pass prior to the chip seal
One pass after the chip seal
One pass after the fog seal

In the absence of a signed lane closure or pilot car operation, FLAGGER (W20-7) symbol signs and flaggers, or a shadow vehicle with rotating yellow lights or strobe lights will be positioned on the shoulder in advance of workers for both directions of traffic during the installation and removal of the temporary flexible vertical markers (tabs). The traffic control device used will be moved intermittently to provide proper warning of the work operation. A ROAD WORK AHEAD (W20-1) sign, a WORKER (W21-1) symbol sign or a BE PREPARED TO STOP (W3-4) sign will be mounted on the rear of the shadow vehicle. The method of traffic control used by the Contractor for this work must be approved by the Engineer.

Prior to nightfall, tabs will be required to mark centerline on segments of roadway where existing centerline markings have been removed and new markings have not been installed.

SEQUENCE OF OPERATIONS

The Contractor will submit a sequence of operations for approval two weeks prior to the preconstruction meeting. If changes to the sequence of operations are proposed during the project, these must be submitted for review a minimum of one week prior to potential implementation. Approval for changes to the 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.

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.

Portable sign supports will not be located on sidewalks, bicycle facilities, or other areas designated for pedestrian or bicycle traffic.

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 pavement marking.

All haul trucks will be equipped with an additional flashing amber light that is visible from the backside of the haul truck. The costs for the flashing amber lights will be incidental to the various related contract items.

Traffic will be maintained on the driving lanes. Use of the shoulder as a driving lane will not be permitted. Any damage to the shoulder due to rerouted traffic or Contractor's equipment will be repaired at no expense to the Department.

The Contractor will furnish, install, maintain, and remove TRUCK CROSSING (W8-6) signs daily. The TRUCK CROSSING signs will be displayed always when haul vehicles are hauling material. When hauling conditions no longer exist, the signs will be covered or removed from view. The exact number and location will be determined during construction. Payment for additional signs will be based on the contract unit price per square foot for "Traffic Control Signs".

TRAFFIC CONTROL FOR ASPHALT SURFACE TREATMENT

The Contractor will furnish, install, and maintain LOOSE GRAVEL (W8-7) signs with 40 MPH (W13-1P) advisory speed plaques upon start of surface treatment operations at each end of the segment and on either side of intersecting asphalt roads and major intersections as determined by the Engineer. In addition, LOOSE GRAVEL signs with 40 MPH advisory speed plaques will be installed at no more than 4 mile intervals throughout each segment. The 40 MPH advisory speed plaque should not be installed with LOOSE GRAVEL signs in areas where the posted speed limit is less than 40 MPH. LOOSE GRAVEL signs and 40 MPH advisory speed plaques will be covered or removed from view when they are not applicable.

ROAD WORK NEXT XX MILES (G20-1), LOOSE GRAVEL (W8-7) with 40 MPH (W13-1P) advisory speed plaques, and END ROAD WORK (G20-2) signs are the only signs that need to be mounted on fixed location breakaway sign supports, as shown on the plan layout.

Until the end of each day's chip seal operations, at the discretion of the Contractor, additional flaggers and FLAGGER (W20-7) symbol signs will be provided to alert the traveling public entering completed portions of the project to the potential of airborne chips.

The flaggers will provide each motorist with a printed notice on the Contractor's letterhead similar to the one shown below. Cost of the notice will be incidental to other contract items.

CONTRACTOR'S LETTERHEAD

THIS HIGHWAY IS BEING RESURFACED WITH A ROCK CHIP SEAL COAT.

THIS TYPE OF CONSTRUCTION HAS THE POTENTIAL OF CAUSING VEHICLE DAMAGE SUCH AS CHIPPED WINDSHIELDS AND BROKEN HEADLIGHTS DUE TO ROCKS BEING THROWN BY HIGH SPEED ONCOMING OR PASSING TRAFFIC.

YOU MAY WISH TO CONSIDER TAKING AN ALTERNATE ROUTE. IF YOU PROCEED, KEEP TO THE RIGHT AND DRIVE 40 MPH OR LESS. ANOTHER FLAGGER AND A PILOT CAR WILL BE ESCORTING YOU AROUND THE OIL SEAL COAT APPLICATION AREA.

THANK YOU.

A mobile work operation may be allowed provided the fog sealing, and pavement marking can be completed satisfactorily by a continuously moving work operation. A mobile work operation will require approval by the Engineer.

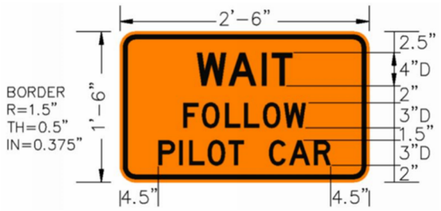
A Type 3 Barricade will be installed at the end of a lane closure taper as detailed in these plans.

Lane closures will be removed prior to nightfall.

FLAGGING

Operations will be conducted so that the traveling public will not have to wait longer than 15 minutes on any section of road that is receiving an asphalt surface treatment.

Additional flagger warning signs and flagger hours have been included in the Estimate of Quantities for use on intersecting roads. These flaggers will be used as directed by the Engineer and will be used primarily during daytime hours. Also included in the Estimate of Quantities are WAIT FOLLOW PILOT CAR signs for use on low volume intersecting roads as determined by the Engineer. WAIT FOLLOW PILOT CAR signs will not block the view of the stop sign.



It is required that the flaggers and pilot car operators be able to communicate with one another. If an emergency vehicle needs to pass through the project, the Contractor will be required to expedite traffic movement. All costs associated with this will be incidental to the contract unit price per hour for "Flagging".

WORK ZONE SPEED REDUCTION

The Department is required to obtain a speed reduction resolution prior to the installation of any SPEED LIMIT (R2-1) signs shown on standard plate 634.63. To provide adequate time for the resolution to be enacted, the Contractor will inform the Engineer a minimum of 3 weeks prior to the scheduled installation of any work zone speed reduction signs on the project. The information provided by the Contractor will include the anticipated date of sign installation, the newly reduced speed limit, the location of the work zone, and the anticipated completion date of work requiring the speed reduction.

TRAFFIC CONTROL SIGNS

Traffic control signs have been included in a table for each route. Payment will only be for those signs used on each route.

CONTRACTOR FURNISHED VEHICLE SPEED FEEDBACK SIGN

The Contractor will provide 1 vehicle speed feedback signs to monitor traffic speeds on designated routes at locations specified in the field by the Engineer.

The vehicle speed feedback sign assembly will include a speed limit sign mounted in conjunction with the vehicle speed feedback display. The speed display will not flash vehicle speeds exceeding the speed limit nor any other messages.

All costs associated with furnishing, maintaining, transporting, relocating if necessary, and removing the vehicle speed feedback signs from locations specified by the Engineer will be incidental to the contract unit price per each for "Contractor Furnished Vehicle Speed Feedback Sign".

STATE OF SOUTH DAKOTA	PROJECT	SECTION	SHEET
	NH-P 0043(253)	non	11/19

INVENTORY OF TRAFFIC CONTROL DEVICES (US18 E, MRM 45.85+ 0.000 to MRM 52+ 0.495)

SIGN CODE	SIGN DESCRIPTION	NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R2-1	SPEED LIMIT 45	1	36" x 48"	12.0	12.0
R2-1	SPEED LIMIT 55	2	36" x 48"	12.0	24.0
R2-1	SPEED LIMIT 70	1	36" x 48"	12.0	12.0
R2-6aP	FINES DOUBLE (plaque)	1	36" x 24"	6.0	6.0
W3-5	SPEED REDUCTION AHEAD (55 MPH)	2	48" x 48"	16.0	32.0
W3-5	SPEED REDUCTION AHEAD (45 MPH)	1	48" x 48"	16.0	16.0
W4-2	LEFT or RIGHT LANE ENDS (symbol)	2	48" x 48"	16.0	32.0
W8-6	TRUCK CROSSING	2	48" x 48"	16.0	32.0
W8-7	LOOSE GRAVEL	4	48" x 48"	16.0	64.0
W13-1P	ADVISORY SPEED (plaque)	4	30" x 30"	6.3	25.2
W20-1	ROAD WORK AHEAD	2	48" x 48"	16.0	32.0
W20-5	LEFT or RIGHT LANE CLOSED AHEAD	2	48" x 48"	16.0	32.0
W20-7	FLAGGER (symbol)	1	48" x 48"	16.0	16.0
G20-1	ROAD WORK NEXT 6 MILES	1	48" x 24"	8.0	8.0
G20-2	END ROAD WORK	2	48" x 24"	8.0	16.0
		EXPRESSWAY / INTERSTATE TRAFFIC CONTROL SIGNS SQFT			359.2

INVENTORY OF TRAFFIC CONTROL DEVICES (US385, MRM 37.29+ 0.225 to MRM 42.75+ 0.000)

SIGN CODE	SIGN DESCRIPTION	NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
W3-4	BE PREPARED TO STOP	2	48" x 48"	16.0	32.0
W8-6	TRUCK CROSSING	2	48" x 48"	16.0	32.0
W8-7	LOOSE GRAVEL	4	48" x 48"	16.0	64.0
W20-1	ROAD WORK AHEAD	4	48" x 48"	16.0	64.0
W20-4	ONE LANE ROAD AHEAD	2	48" x 48"	16.0	32.0
W20-7	FLAGGER (symbol)	4	48" x 48"	16.0	64.0
G20-1	ROAD WORK NEXT 5 MILES	2	36" x 18"	4.5	9.0
G20-2	END ROAD WORK	4	36" x 18"	4.5	18.0
SPECIAL	WAIT FOLLOW PILOT CAR	2	30" x 18"	3.8	7.6
SPECIAL	ON SHOULDER	4	48" x 24"	8.0	32.0
		CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT			354.6

INVENTORY OF TRAFFIC CONTROL DEVICES (US16A, MRM 26+ 0.141 to MRM 39.01)

SIGN CODE	SIGN DESCRIPTION	NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
W3-4	BE PREPARED TO STOP	2	48" x 48"	16.0	32.0
W8-6	TRUCK CROSSING	2	48" x 48"	16.0	32.0
W8-7	LOOSE GRAVEL	14	48" x 48"	16.0	224.0
W13-1P	ADVISORY SPEED (plaque)	14	30" x 30"	6.3	88.2
W20-1	ROAD WORK AHEAD	4	48" x 48"	16.0	64.0
W20-4	ONE LANE ROAD AHEAD	2	48" x 48"	16.0	32.0
W20-7	FLAGGER (symbol)	4	48" x 48"	16.0	64.0
G20-1	ROAD WORK NEXT 13 MILES	2	36" x 18"	4.5	9.0
G20-2	END ROAD WORK	4	36" x 18"	4.5	18.0
SPECIAL	WAIT FOLLOW PILOT CAR	4	30" x 18"	3.8	15.2
		CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT			578.4

INVENTORY OF TRAFFIC CONTROL DEVICES (SD79, MRM 59+ 0.300 to MRM 60.67)

SIGN CODE	SIGN DESCRIPTION	NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R2-1	SPEED LIMIT 45	2	36" x 48"	12.0	24.0
R2-1	SPEED LIMIT 55	4	36" x 48"	12.0	48.0
R2-1	SPEED LIMIT 70	2	36" x 48"	12.0	24.0
W3-5	SPEED REDUCTION AHEAD (45 MPH)	4	48" x 48"	16.0	64.0
W3-5	SPEED REDUCTION AHEAD (55 MPH)	2	48" x 48"	16.0	32.0
W4-2	LEFT or RIGHT LANE ENDS (symbol)	4	48" x 48"	16.0	64.0
W8-6	TRUCK CROSSING	2	48" x 48"	16.0	32.0
W8-7	LOOSE GRAVEL	10	48" x 48"	16.0	160.0
W20-1	ROAD WORK AHEAD	4	48" x 48"	16.0	64.0
W20-5	LEFT or RIGHT LANE CLOSED AHEAD	4	48" x 48"	16.0	64.0
W20-7	FLAGGER (symbol)	4	48" x 48"	16.0	64.0
G20-1	ROAD WORK NEXT 2 MILES	2	48" x 24"	8.0	16.0
G20-2	END ROAD WORK	4	48" x 24"	8.0	32.0
SPECIAL	ON SHOULDER	10	48" x 24"	8.0	80.0
		EXPRESSWAY / INTERSTATE TRAFFIC CONTROL SIGNS SQFT			768.0

INVENTORY OF TRAFFIC CONTROL DEVICES (SD71, MRM 17+ 0.568 to MRM 35.59)

SIGN CODE	SIGN DESCRIPTION	NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
W3-4	BE PREPARED TO STOP	2	48" x 48"	16.0	32.0
W8-6	TRUCK CROSSING	2	48" x 48"	16.0	32.0
W8-7	LOOSE GRAVEL	10	48" x 48"	16.0	160.0
W13-1P	ADVISORY SPEED (plaque)	10	30" x 30"	6.3	63.0
W20-1	ROAD WORK AHEAD	4	48" x 48"	16.0	64.0
W20-4	ONE LANE ROAD AHEAD	2	48" x 48"	16.0	32.0
W20-7	FLAGGER (symbol)	4	48" x 48"	16.0	64.0
G20-1	ROAD WORK NEXT 18 MILES	2	36" x 18"	4.5	9.0
G20-2	END ROAD WORK	4	36" x 18"	4.5	18.0
SPECIAL	WAIT FOLLOW PILOT CAR	2	30" x 18"	3.8	7.6
		CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT			481.6

STATE OF SOUTH DAKOTA	PROJECT	SECTION	SHEET
	NH-P 0043(253)	non	12/19

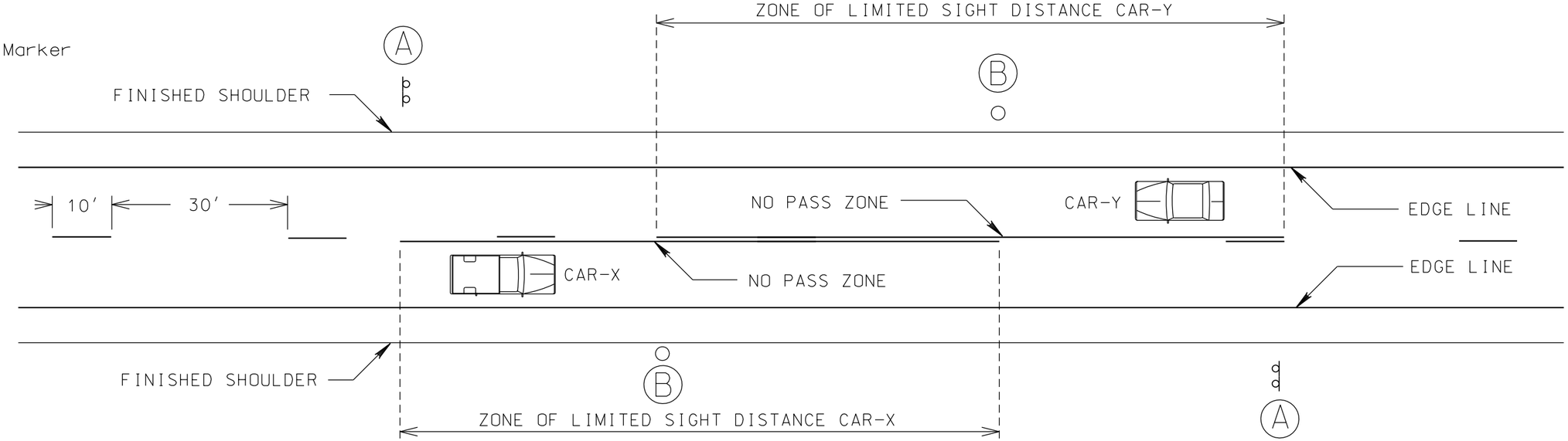
Plotting Date: 09/02/2026

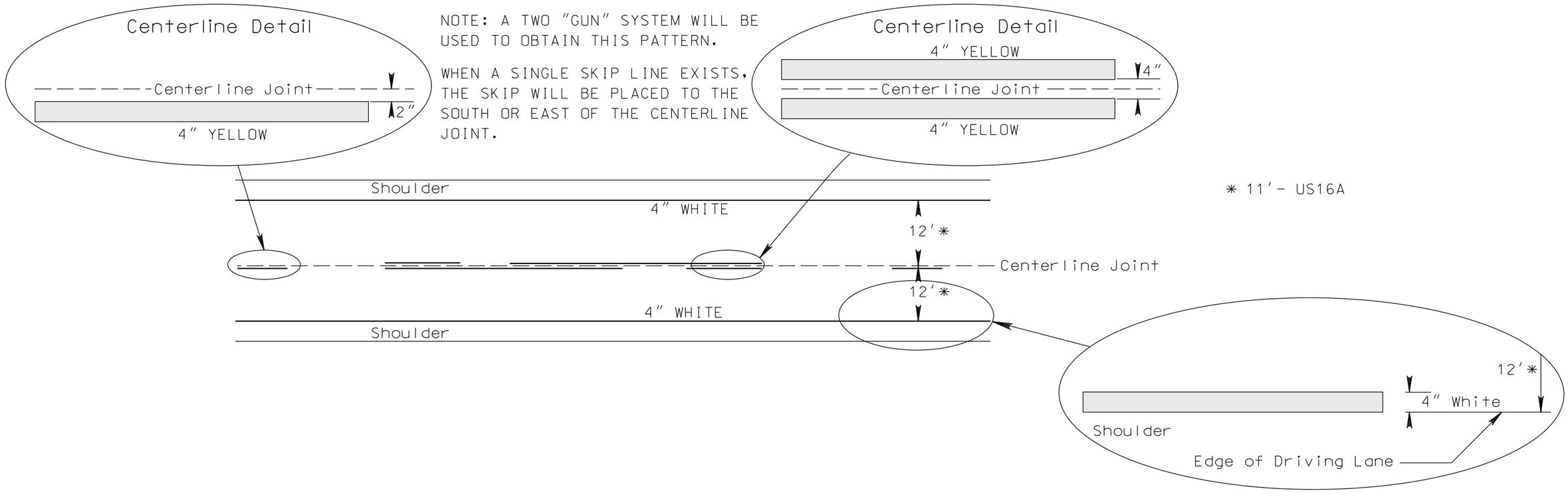
TYPICAL PAVEMENT MARKING LAYOUT

2 LANE ROADWAY

Ⓐ NO PASSING ZONE

Ⓑ End of Zone Marker



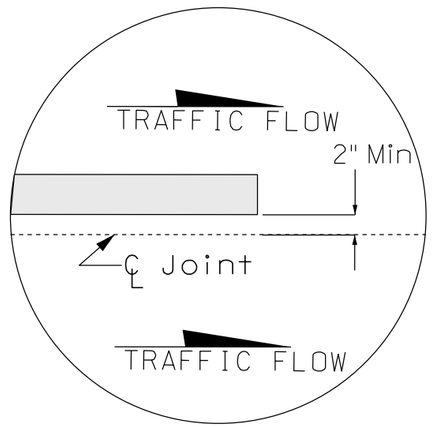


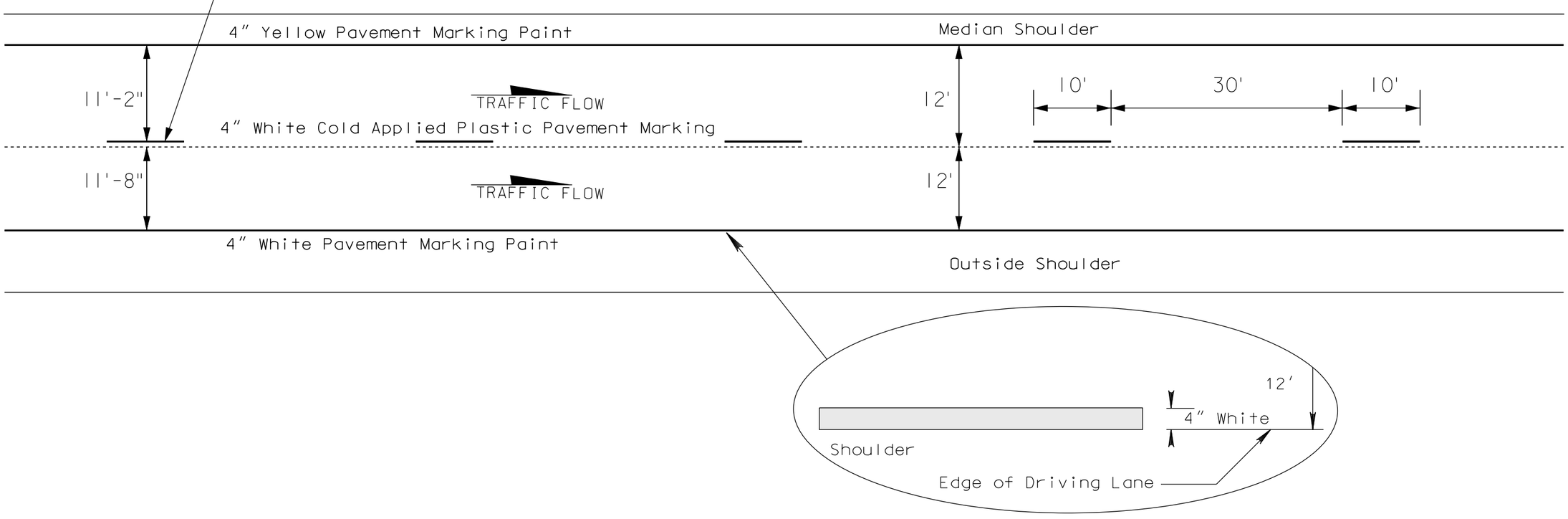
STATE OF SOUTH DAKOTA	PROJECT	SECTION	SHEET
	NH-P 0043(253)	non	13/19

Plotting Date: 09/02/2026

TYPICAL PAVEMENT MARKING LAYOUT

4 LANE DIVIDED HIGHWAY (4" Marking)





STATE OF SOUTH DAKOTA	PROJECT	SECTION	SHEET
	NH-P 0043(253)	non	14/19

Plotting Date: 08/28/2026

FIXED LOCATION SIGNS

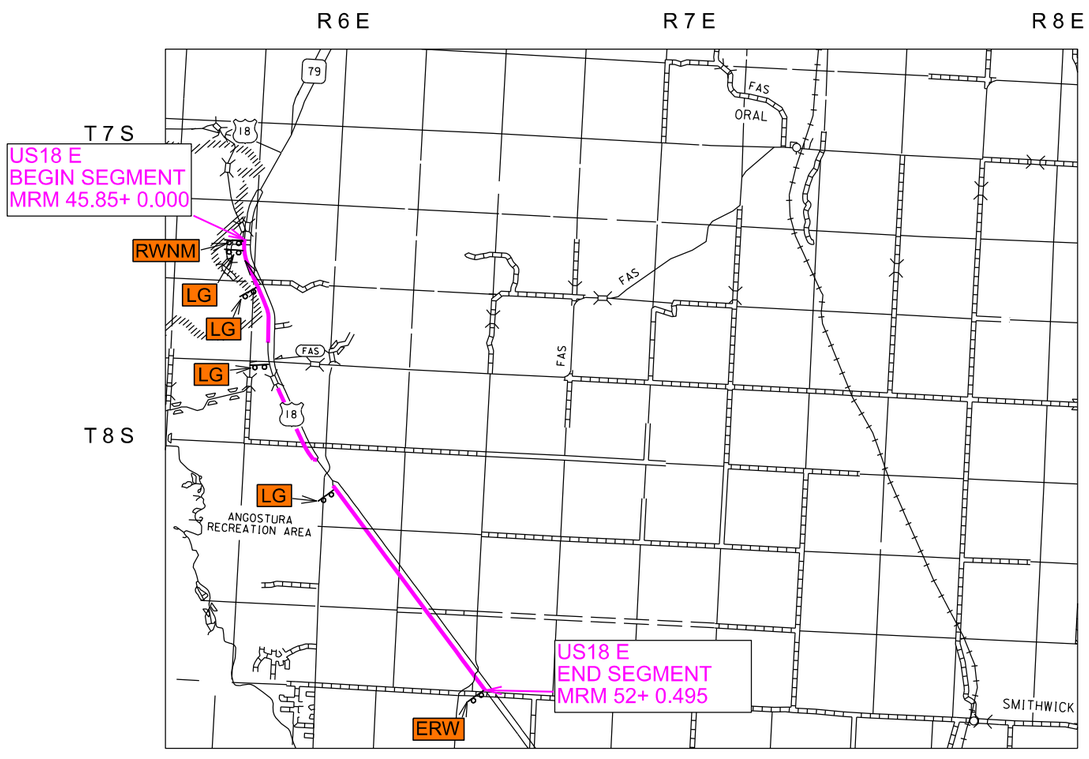
RWNM ROAD WORK NEXT XX MILES

ERW END ROAD WORK

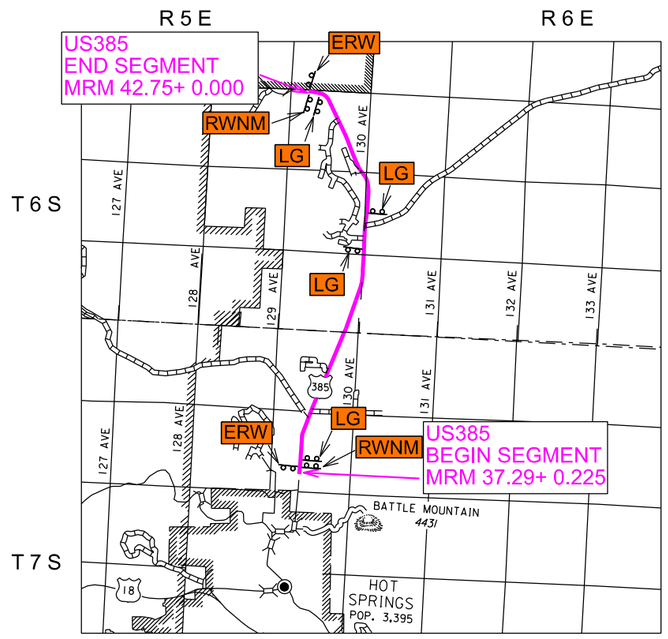
LG LOOSE GRAVEL with advisory speed plaques or on shoulder plaques

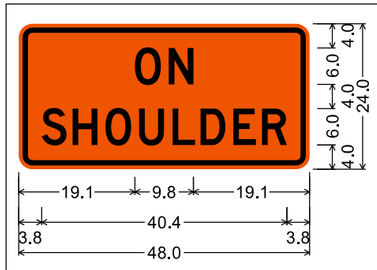
Notes: W20-1 signs are also to be used as per the applicable standard plate(s).

FALL RIVER COUNTY



FALL RIVER COUNTY





2.3" Radius, 0.9" Border, 0.6" Indent, Black on Orange;
"ON", D 2K;
"SHOULDER", D 2K;
Table of letter and object lefts

O	N
19.1	24.8

S	H	O	U	L	D	E	R
3.8	8.9	14.3	19.9	25.4	30.0	35.4	40.1

STATE OF SOUTH DAKOTA	PROJECT	SECTION	SHEET
	NH-P 0043(253)	non	15/19

Plotting Date: 08/28/2026

FIXED LOCATION SIGNS

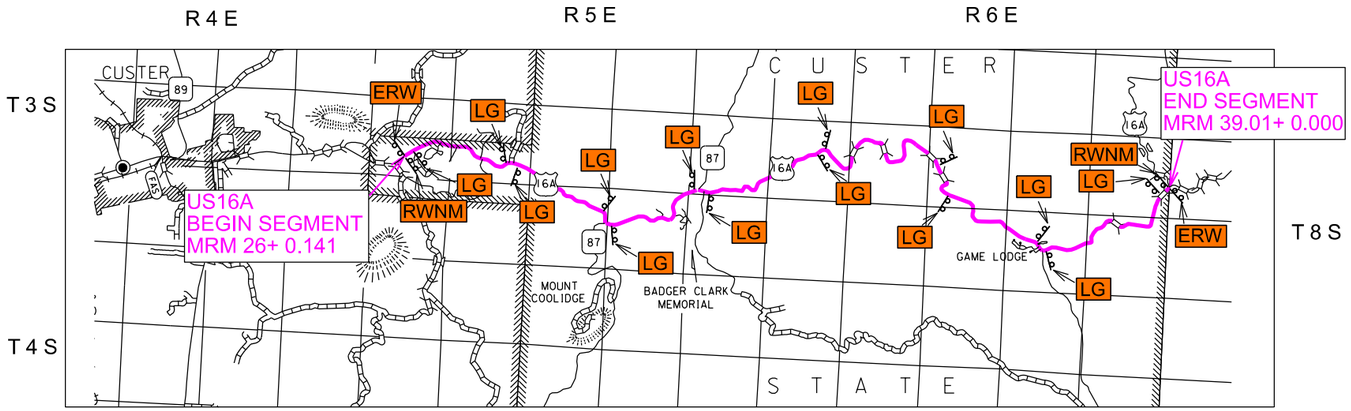
RWNM ROAD WORK NEXT XX MILES

ERW END ROAD WORK

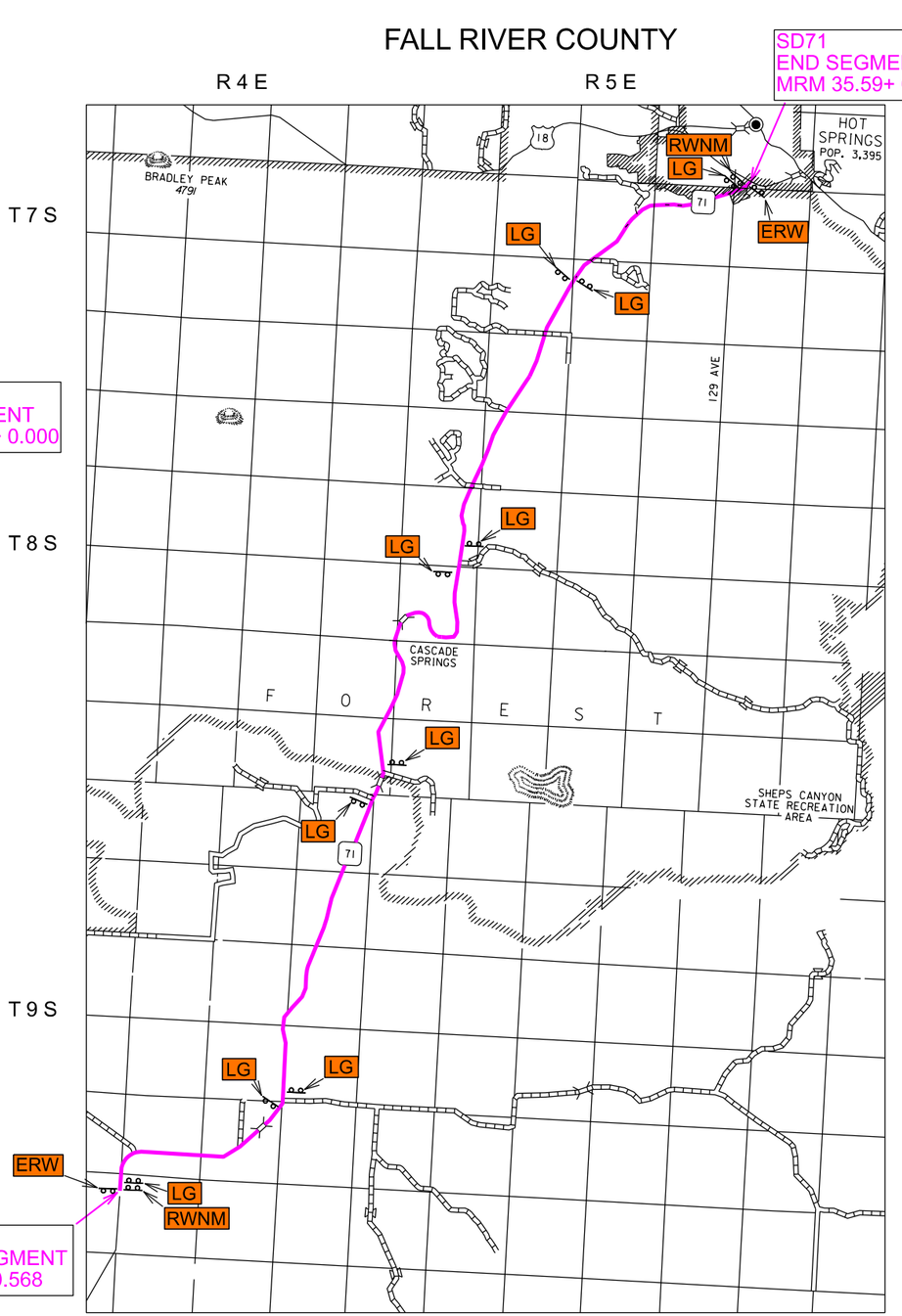
LG LOOSE GRAVEL with advisory speed plaques or on shoulder plaques

Notes: W20-1 signs are also to be used as per the applicable standard plate(s).

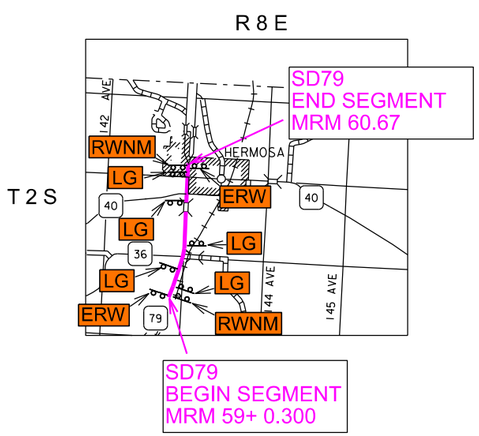
CUSTER COUNTY

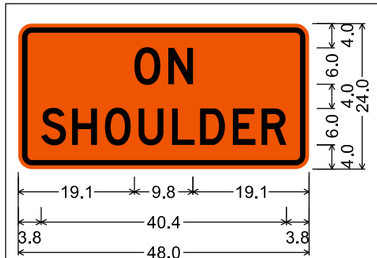


FALL RIVER COUNTY



CUSTER COUNTY





2.3" Radius, 0.9" Border, 0.6" Indent, Black on Orange;
"ON", D 2K;
"SHOULDER", D 2K;
Table of letter and object lefts

O	N
19.1	24.8

S	H	O	U	L	D	E	R
3.8	8.9	14.3	19.9	25.4	30.0	35.4	40.1

* Messages on signs will vary depending on the operation being conducted.

Vehicle-mounted signs will be mounted in a manner such that they are not obscured by equipment or supplies. Sign legends on vehicle-mounted signs will be covered or turned from view when work is not in progress.

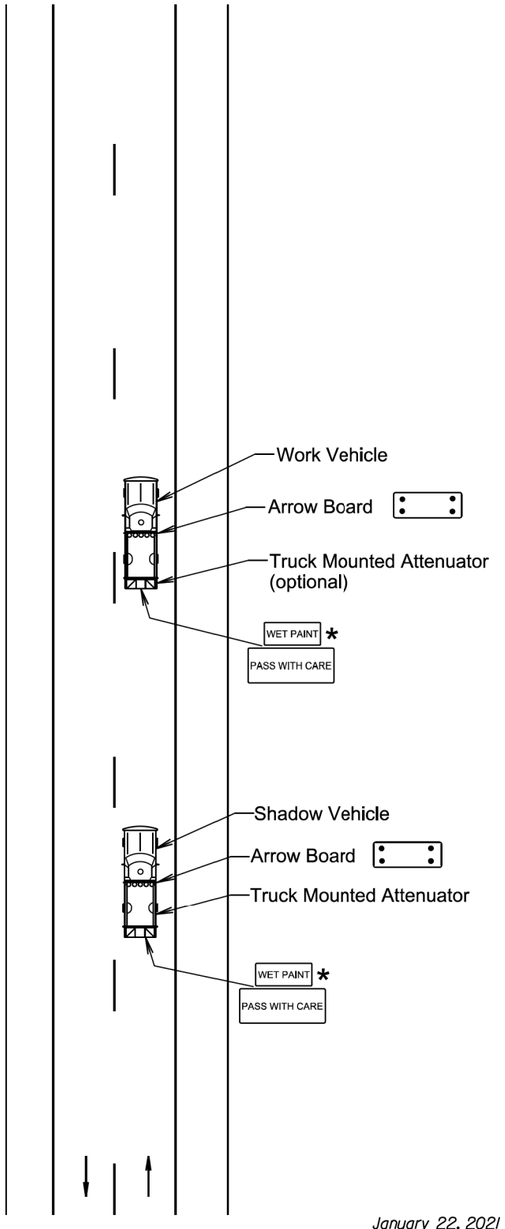
Shadow and Work vehicles will display high-intensity rotating, flashing, oscillating, or strobe lights, flags, signs, or arrow boards.

Vehicle hazard warning signals will not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.

When an arrow board is used, it will be used in the caution mode. Marching Diamonds are acceptable.

Arrow boards will, as a minimum, be Type B, with a size of 60" x 30".

All costs associated with the traffic control for mobile operation including signs, arrow boards and equipment will be incidental to the contract lump sum price for "Traffic Control, Miscellaneous".



January 22, 2021

Published Date: 2027	SDDOT	MOBILE OPERATIONS ON 2-LANE ROAD	PLATE NUMBER 634.06
			Sheet 1 of 1

Posted Speed Prior to Work (M.P.H.)	Spacing of Advance Warning Signs (Feet) (A)	Spacing of Channelizing Devices (Feet) (G)
0 - 30	200	25
35 - 40	350	25
45	500	25
50	500	50
55	750	50
60 - 65	1000	50

Flagger

Channelizing Device

For low-volume traffic situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger may be used.

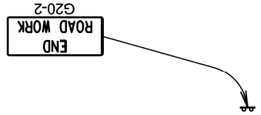
The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short duration operations (1 hour or less).

For tack and/or flush seal operations, when flaggers are not being used, the FRESH OIL sign (W21-2) will be displayed in advance of the liquid asphalt areas.

Flashing warning lights and/or flags may be used to call attention to the advance warning signs.

The channelizing devices will be drums or 42" cones.

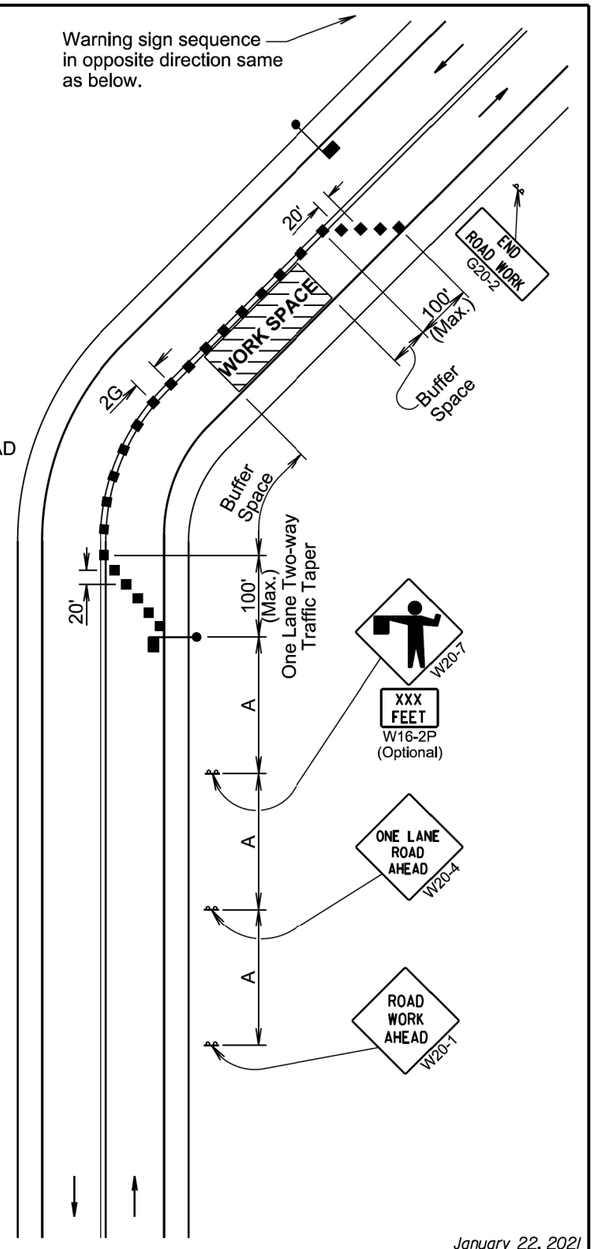
Channelizing devices are not required along the centerline adjacent to work area when pilot cars are utilized for escorting traffic through the work area.



Channelizing devices and flaggers will be used at intersecting roads to control intersecting road traffic as required.

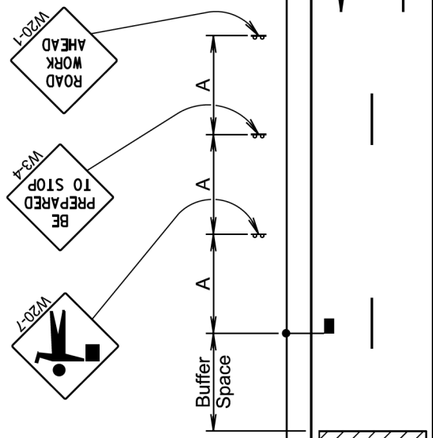
The buffer space should be extended so that the two-way traffic taper is placed before a horizontal or vertical curve to provide adequate sight distance for the flagger and queue of stopped vehicles.

The length of A may be adjusted to fit field conditions.



January 22, 2021

Published Date: 2027	SDDOT	LANE CLOSURE WITH FLAGGER PROVIDED	PLATE NUMBER 634.23
			Sheet 1 of 1



Conditions represented are for work that requires closings during daytime hours only.

This application is intended for a planned temporary closing not to exceed 15 to 20 minutes.

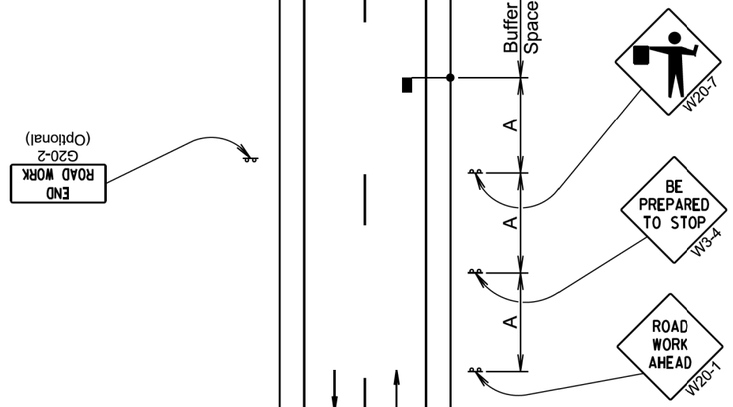
Posted Speed Prior to Work (M.P.H.)	Spacing of Advance Warning Signs (Feet) (A)
0 - 30	200
35 - 40	350
45 - 50	500
55	750
60 - 65	1000

Flagger

END ROAD WORK
G20-2
(Optional)

Posted Speed Prior to Work (M.P.H.)	Length of Longitudinal Buffer Space (Feet)
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645

Buffer space dependent on work site limitations.



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Published Date: 2027	SDDOT	TEMPORARY ROAD WORK	PLATE NUMBER 634.30
			Sheet 1 of 1

Posted Speed Prior to Work (M.P.H.)	Spacing of Advance Warning Signs (Feet) (A) (B) (C)		
0 - 30	200		
35 - 40	350		
45 - 50	500		
55	750		
60 - 65	1000		
	(A)	(B)	(C)
70 - 80	1000	1500	2640

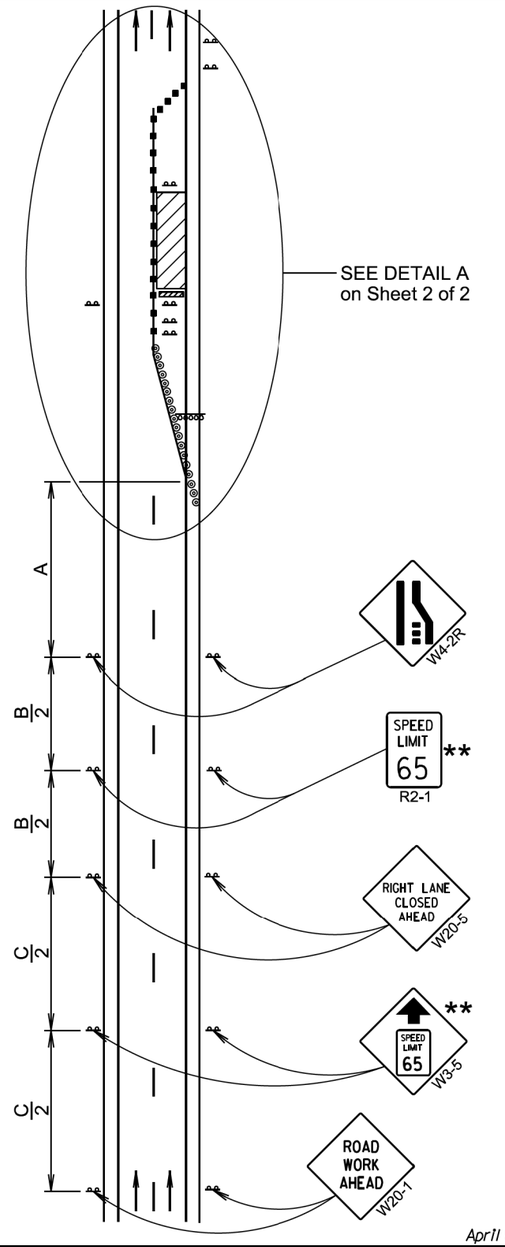
** Speed appropriate for location.

◉ Reflectorized Drum

▪ Channelizing Device

ROAD WORK AHEAD sign is only required in advance of the first lane closure.

High speed is defined as having a posted speed limit greater than 45 mph.



April 8, 2025

Published Date: 2027	SDDOT	WORK ZONE SPEED REDUCTION FOR INTERSTATE AND HIGH SPEED MULTI-LANE HIGHWAYS	PLATE NUMBER 634.63
			Sheet 1 of 2

Posted Speed Prior to Work (M.P.H.)	Spacing of Channelizing Devices (Feet) (G)	Taper Length (Feet) (L)
0 -30	25	180
35 - 40	25	320
45	25	600
50	50 *	600
55	50 *	660
60 - 65	50 *	780
70 - 80	50 *	960

* Spacing is 40' for 42" cones.

** Speed appropriate for location.

*** Use speed limit designated for the condition when workers are present in the work space. Signs will be covered or removed when workers are not present.

◎ Reflectorized Drum

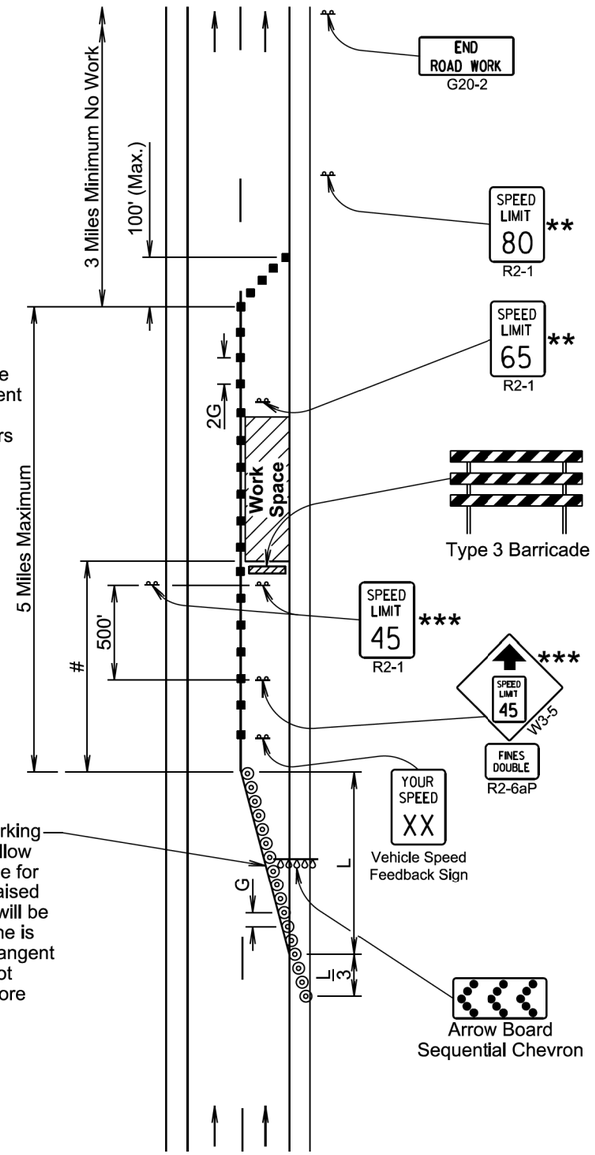
■ Channelizing Device

The Work Space will be a minimum of 500' from the end of the taper.

The channelizing devices will be 42" cones or drums.

42" cones may be used in place of the drums shown in the taper if setup will not be used during night time hours.

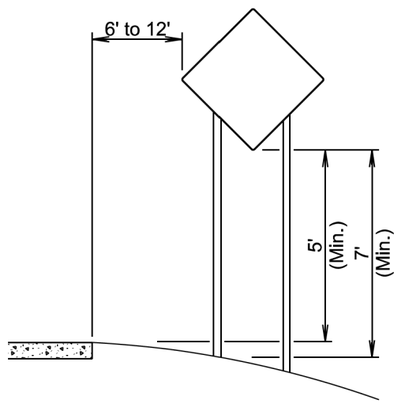
4" white temporary pavement marking tape for right lane closures, 4" yellow temporary pavement marking tape for left lane closures, or temporary raised pavement markers at 5' spacing will be installed in the taper when the lane is closed overnight, and along the tangent section where the skip lines do not exist and the lane is closed for more than 3 days.



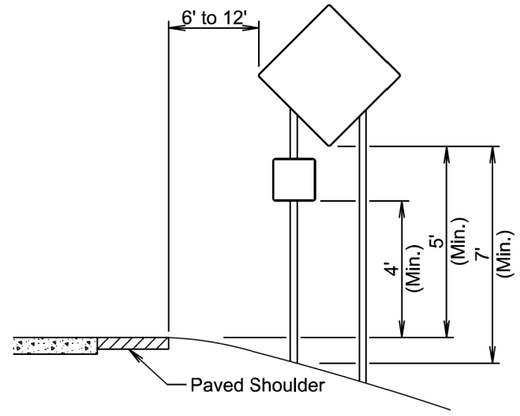
DETAIL A

April 8, 2025

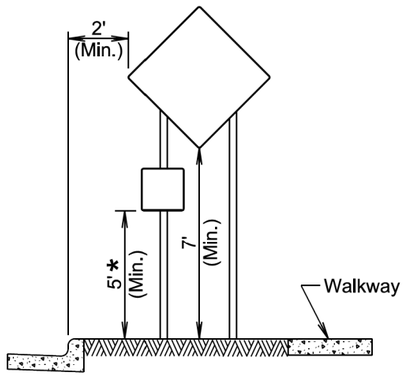
Published Date: 2027	SDDOT	WORK ZONE SPEED REDUCTION FOR INTERSTATE AND HIGH SPEED MULTI-LANE HIGHWAYS	PLATE NUMBER 634.63
			Sheet 2 of 2



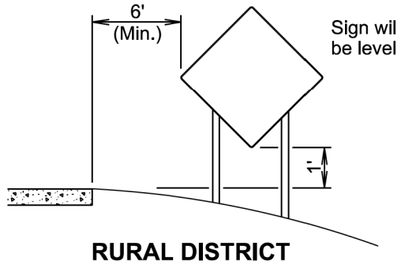
RURAL DISTRICT



RURAL DISTRICT WITH SUPPLEMENTAL PLATE



URBAN DISTRICT

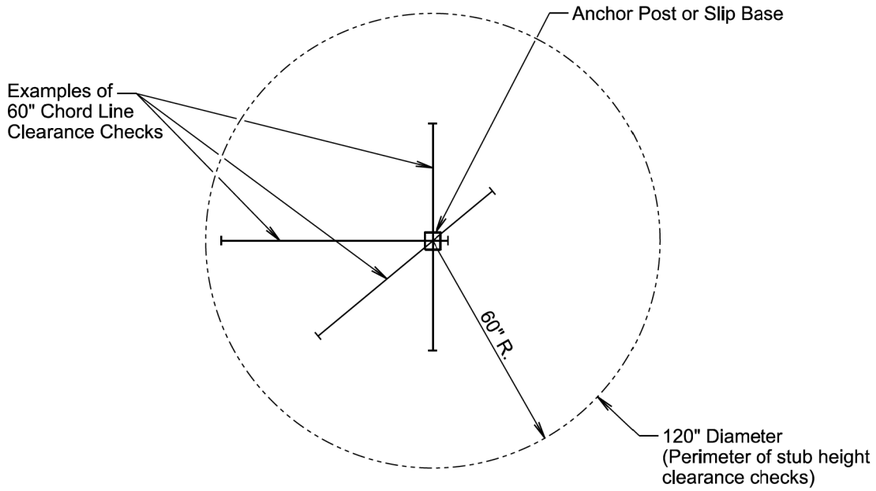


RURAL DISTRICT 3 DAY MAXIMUM
(Not applicable to regulatory signs)

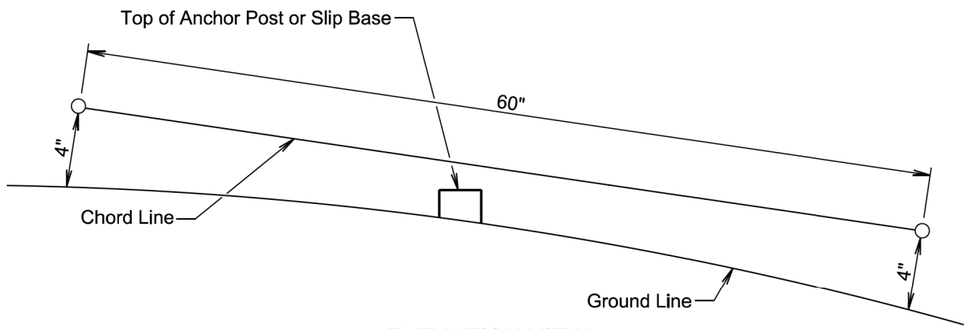
* If the bottom of supplemental plate is mounted lower than 7 feet above a pedestrian walkway, the supplemental plate should not project more than 4" into the pedestrian facility.

January 22, 2021

Published Date: 2027	SDDOT	CRASHWORTHY SIGN SUPPORTS (Typical Construction Signing)	PLATE NUMBER 634.85
			Sheet 1 of 1



PLAN VIEW
(Examples of stub height clearance checks)



ELEVATION VIEW

GENERAL NOTES:

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

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

The 4" stub height clearance is not necessary for U-channel lap splices where the support is designed to yield (bend) at the base.

January 22, 2021

Published Date: 2027	SDDOT	***BREAKAWAY SUPPORT STUB CLEARANCE***	*PLATE NUMBER* 634.99
			Sheet 1 of 1