

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH-P 0012(328)	1	12

PLANS FOR PROPOSED
PROJECT NH-P 0012(328)
SOUTH DAKOTA HIGHWAY

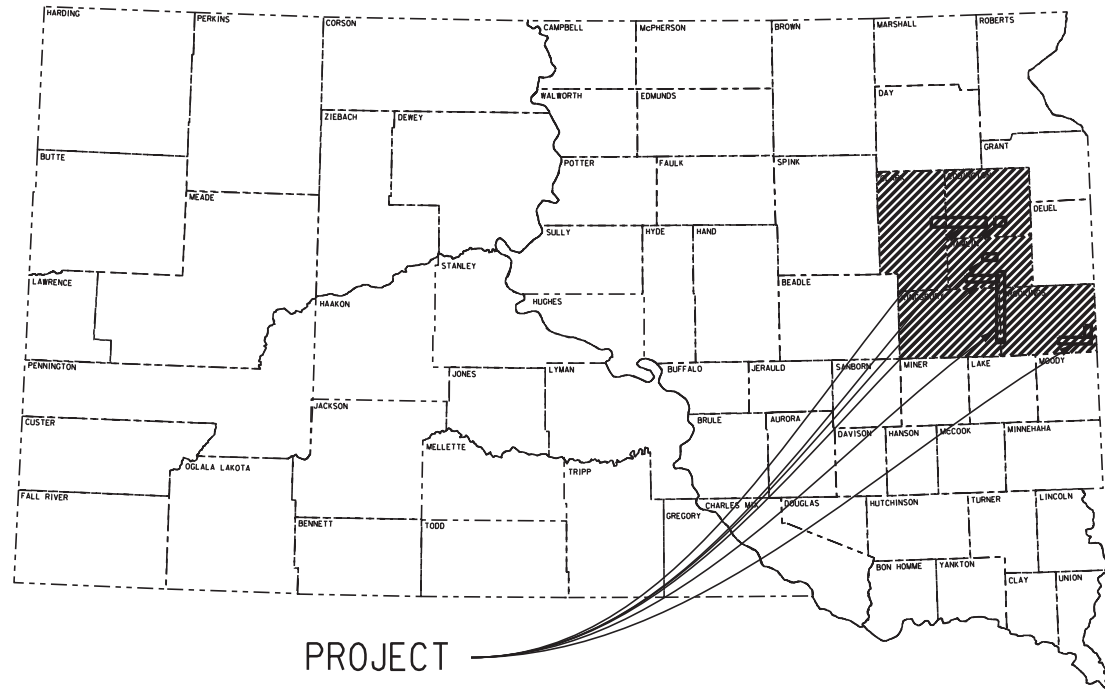
21, 13, & 28

US HIGHWAY 81 & 212

CLARK, CODINGTON, BROOKINGS,
HAMLIN, & KINGSBURY COUNTIES

INDEX OF SHEETS

Sheet 1-6	Title Sheet and Layout Maps
Sheet 7	Estimate of Quantities
Sheet 8	Environmental Commitments
Sheet 9	Plan Notes
Sheet 10	Typical Reservoir Section
Sheet 11-12	Traffic Control

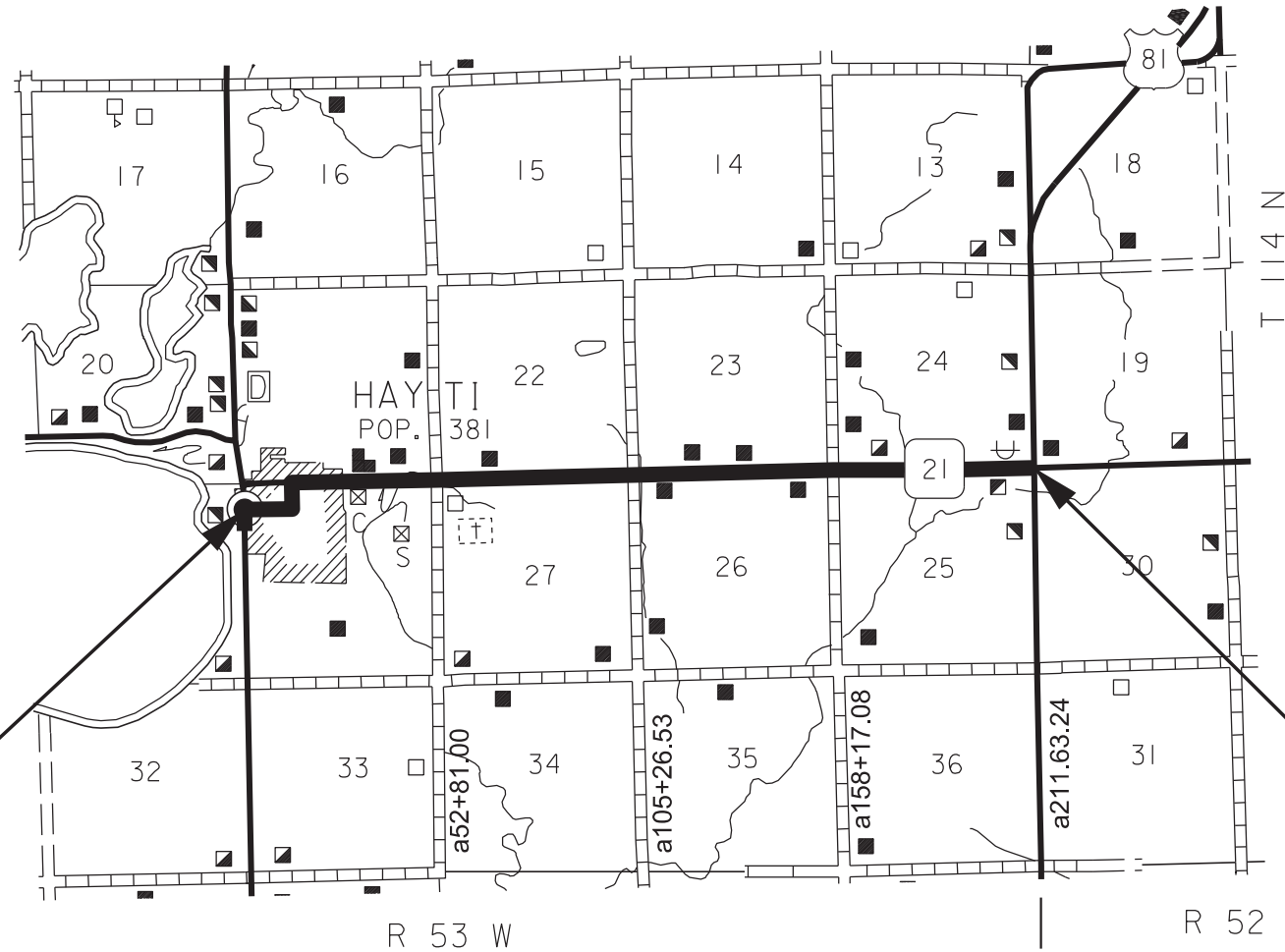
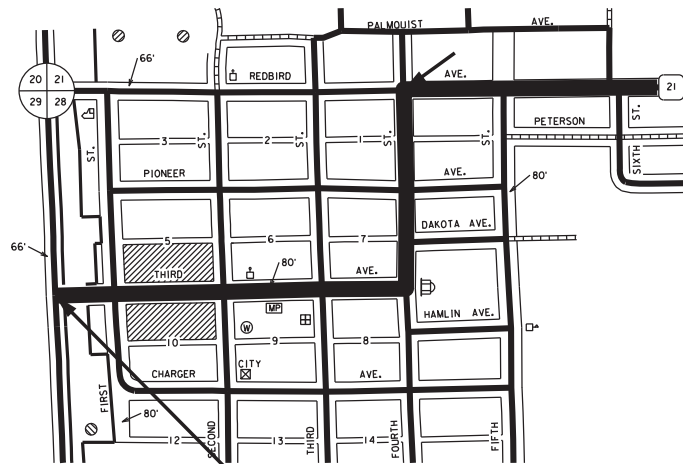


PROJECT

ROUT & SEAL
PCN 09WH

Segment 1
SD 21 - MRM 127.32+0.000 to MRM 131.55+0.000
Hamlin County
Length 4.176 miles

Enlarged View of Beginning of Project in Hayti



Segment 1	
ADT (2024)	752
ADT (2044)	1132
DHV	127
D	50%
T DHV	5.4%
T ADT	11.8%
V	65 mph

Begin Segment 1
Sta. 0+00.0
MRM 127.32 +0.000
Mileage 5.294

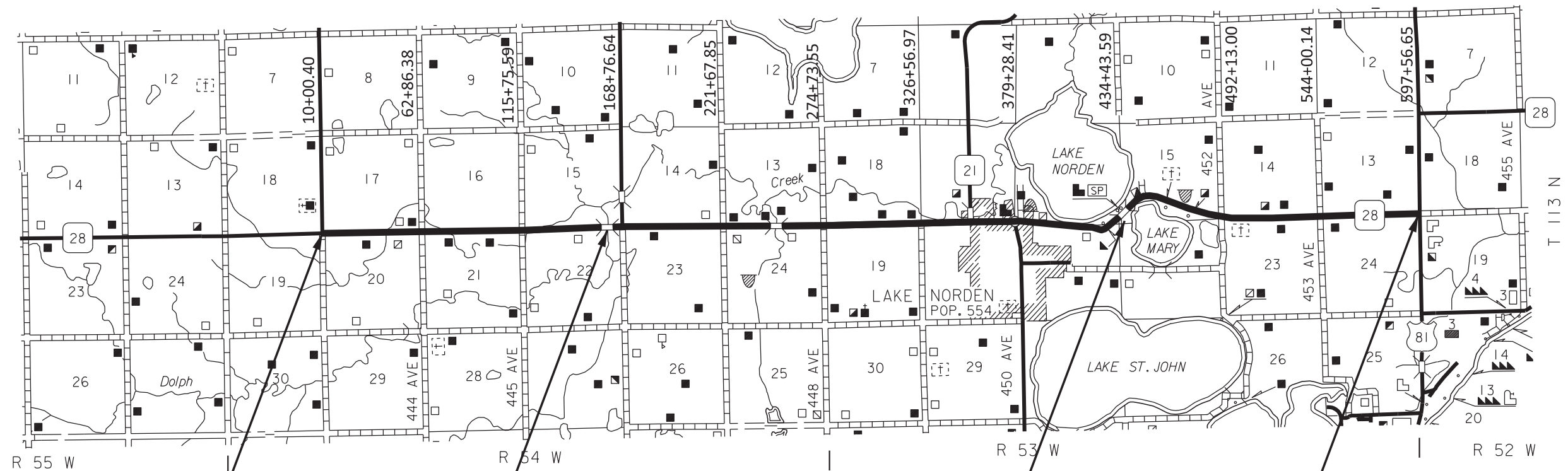
End Segment 1
Sta. 211+65.00
MRM 131.55 + 0.000
Mileage 9.470

9

May 6, 2026

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH-P 0012(328)	2	12

Segment 2
SD 28 - MRM 329.95+0.000 to MRM 341.01+0.000
Hamlin County
Length 11.139 miles



Begin Segment 2
Sta. 9+45.0
MRM 329.95 +0.000
Mileage 59.850

Str. No. 29-099-150
Continuous Concrete Bridge
67.0' = 0.013 Miles
MRM 332.91

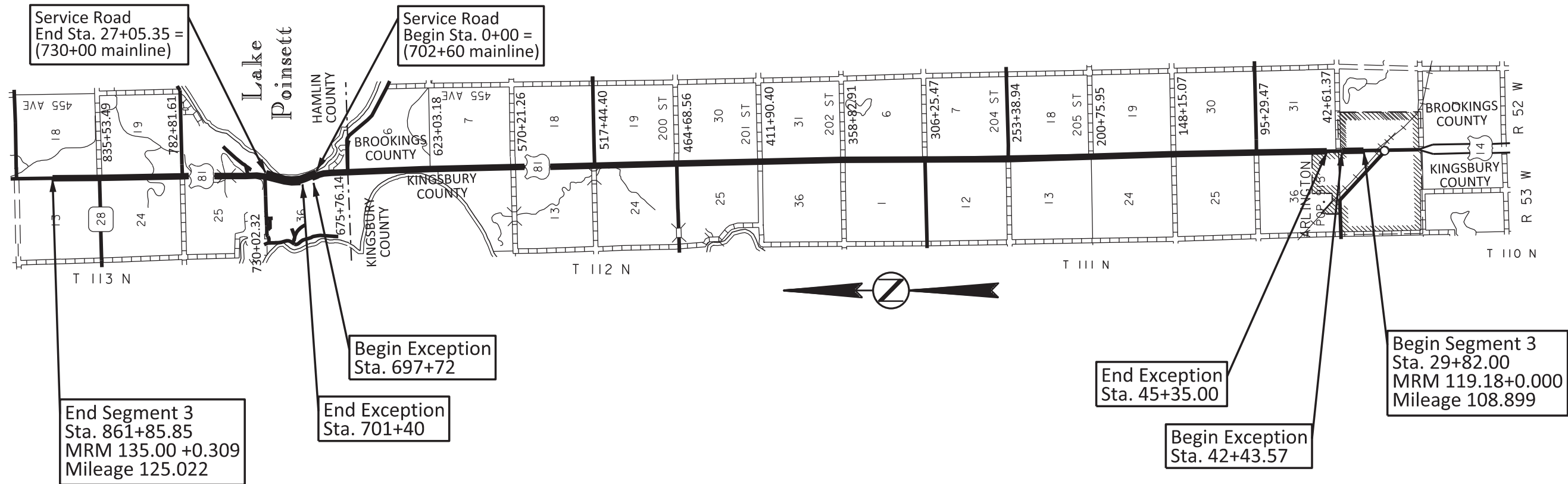
Str. No. 29-151-149
Continuous Concrete Bridge
73.0' = 0.014 Miles
MRM 338.10

End Segment 2
Sta. 597+00.00
MRM 341.01 +0.000
Mileage 70.989

Segment 2	
ADT (2024)	1495
ADT (2044)	2250
DHV	253
D	50%
T DHV	6.6%
T ADT	14.4%
V	65 mph

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	NH-P 0012(328)	3	12

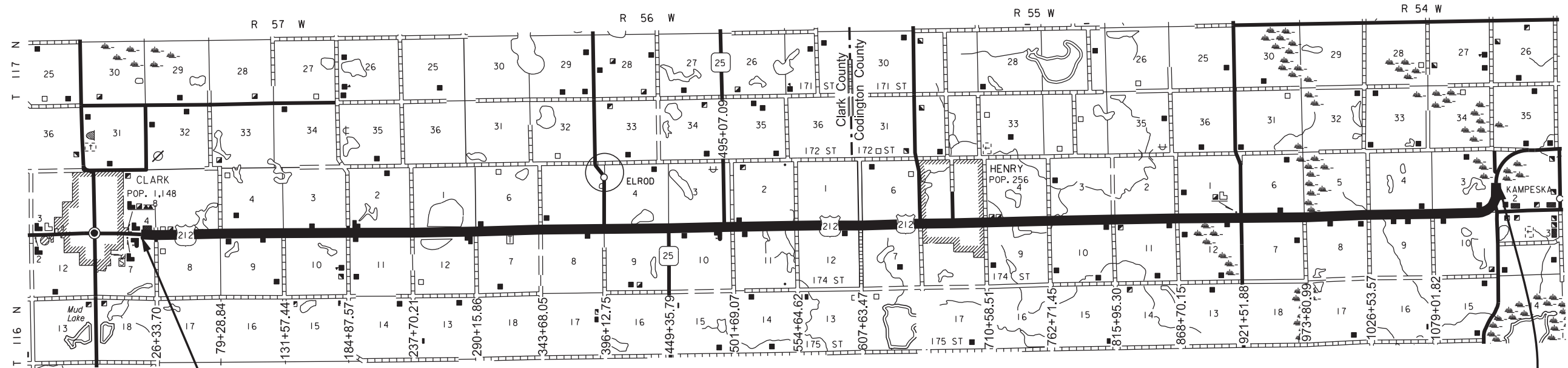
Segment 3
 US 81 - MRM 119.18+0.000 to MRM 135.00+0.309
 Brookings / Kingsbury County
 Length 16.123 miles



Segment 3	
ADT (2024)	2223
ADT (2044)	3220
DHV	661
D	50%
T DHV	8.6%
T ADT	18.8%
V	65 mph

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH-P 0012(328)	4	12

Segment 4
 US 212 - MRM 346.19+0.224 to MRM 367.61+0.222
 Clark / Codington County
 Length 21.439 miles



Begin Segment 4
 Sta. 12+00.0
 MRM 346.19 +0.224
 Mileage 345.725

End Segment 4
 Sta. 1142+90.00
 MRM 367.61 +0.222
 Mileage 367.164

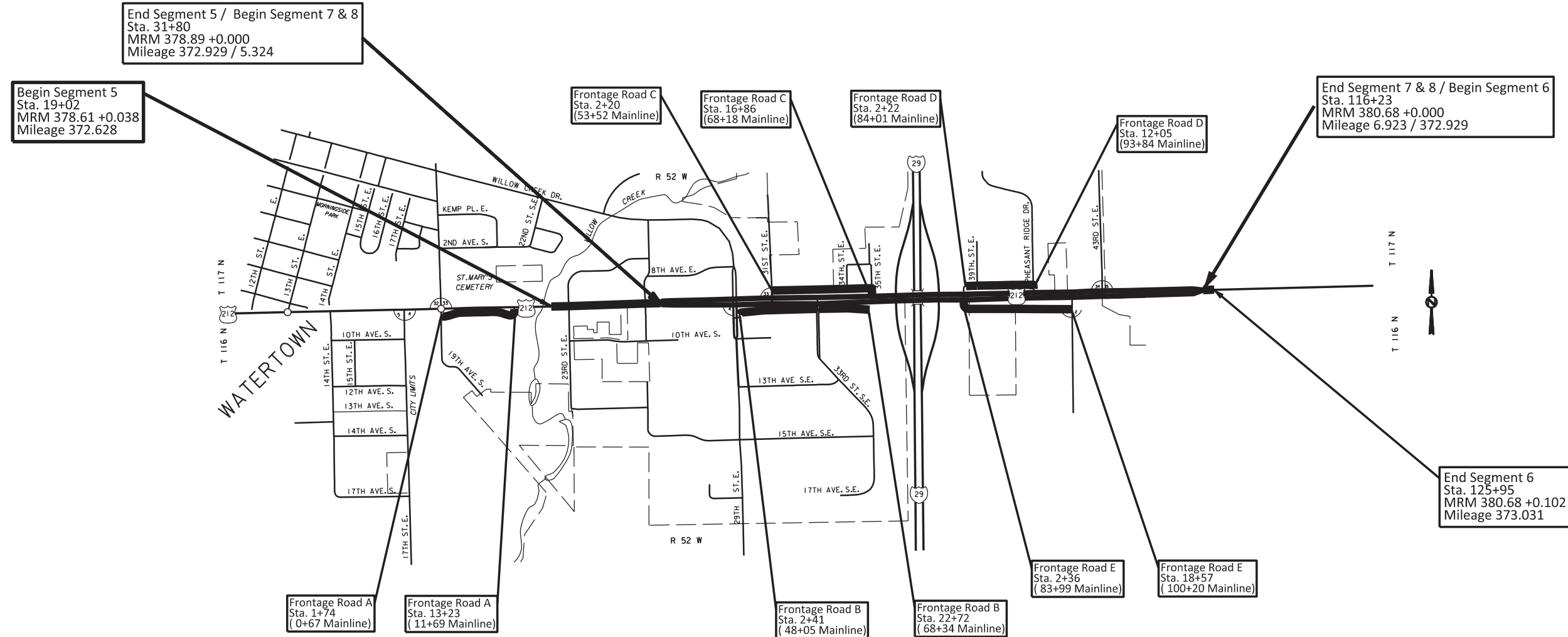
Segment 4	
ADT (2024)	2487
ADT (2044)	3570
DHV	399
D	50%
T DHV	8.9%
T ADT	19.6%
V	65 mph

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH-P 0012(328)	5	12

Segment 5
US 212 - MRM 378.61+0.038 to MRM 378.89+0.000
Codington County
Length 0.301 miles

Segment 6
US 212 - MRM 380.68+0.000 to MRM 380.68+0.102
Clark / Codington County
Length 0.102 miles

Segment 7 & 8
US 212 E - MRM 378.89+0.000 to MRM 380.68+0.000
US 212 W - MRM 378.89+0.000 to MRM 380.68+0.000
Codington County
Length 1.599 miles



Segment 5-8	
ADT (2024)	10862
ADT (2044)	15554
DHV	1747
D	50%
T DHV	3.5%
T ADT	7.6%
V	45 mph

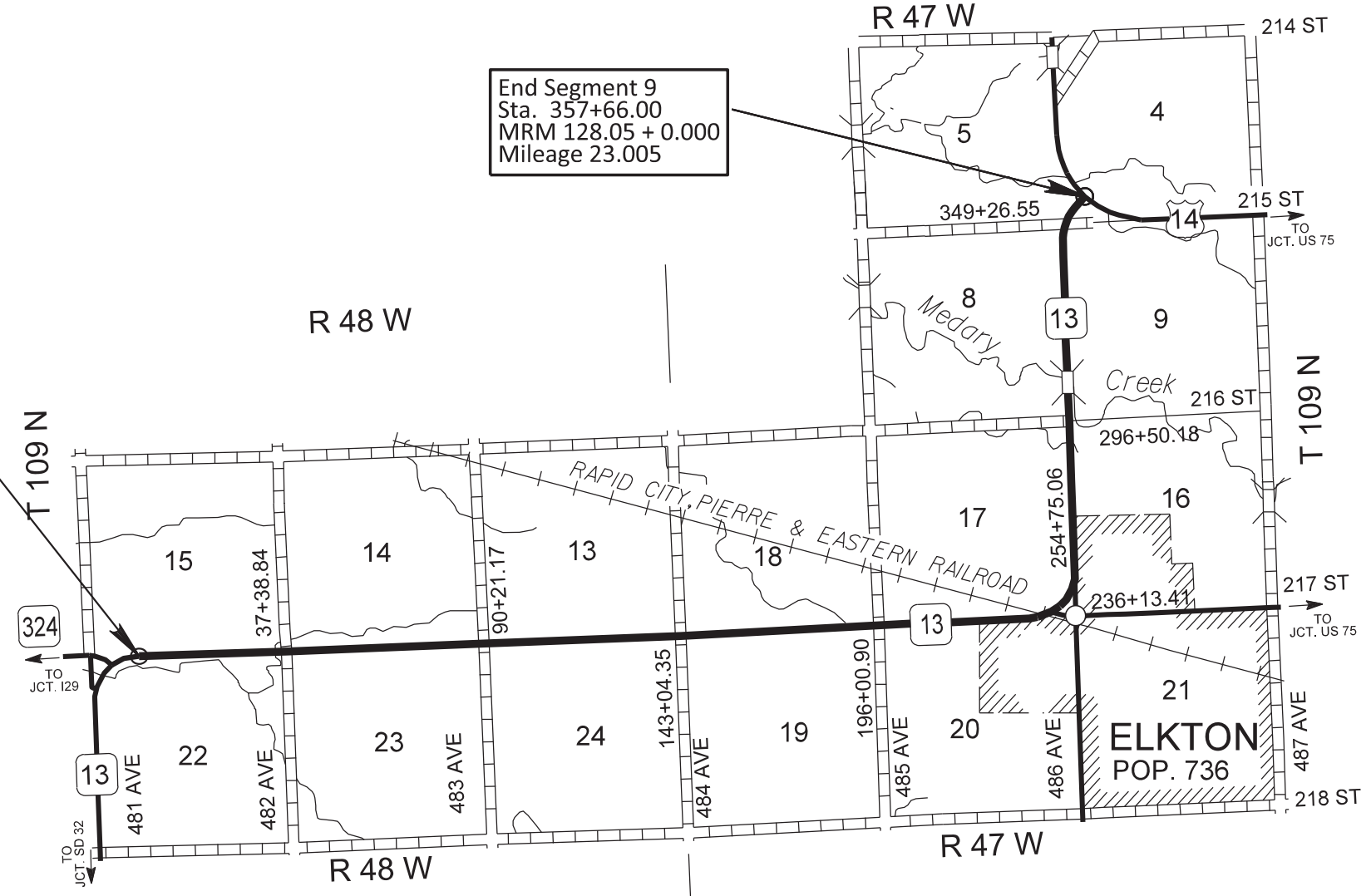
STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH-P 0012(328)	6	12

Segment 9
SD 13 - MRM 121.00 + 0.208 to MRM 128.05 + 0.000
Brookings County
Length 6.989 miles



Begin Segment 9
Sta. 0+00.0
MRM 121.00+0.208
Mileage 16.016

End Segment 9
Sta. 357+66.00
MRM 128.05 + 0.000
Mileage 23.005



Segment 9	
ADT (2025)	976
ADT (2045)	1468
DHV	186
D	50%
T DHV	6.4%
T ADT	14.1%
V	65 mph

PLOTTED FROM - TRWAINT14

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
	NH-P 0012(328)	7	12

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E4100	Construction Schedule, Category I	Lump Sum	LS
350E0010	Asphalt Concrete Crack Sealing	72,943	Lb
634E0010	Flagging	546.0	Hour
634E0020	Pilot Car	114.0	Hour
634E0110	Traffic Control Signs	1,627.8	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	2	Each
634E0420	Type C Advance Warning Arrow Board	3	Each

TABLE OF QUANTITIES (INFORMATION ONLY)

BID ITEM NUMBER	ITEM	SD 21 SEGMENT 1 MRM 127 - 131	SD 28 SEGMENT 2 MRM 329 - 341	US 81 SEGMENT 3 MRM 119 - 135	US 212 SEGMENT 4 MRM 346 - 367	US 212 SEGMENT 5 MRM 378 - 378	US 212 SEGMENT 6 MRM 380 - 380	US 212E SEGMENT 7 MRM 378 - 380	US 212W SEGMENT 8 MRM 378 - 380	SD 13 SEGMENT 9 MRM 121 - 128	TOTAL	UNIT
009E0010	Mobilization	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	LS
350E0010	Asphalt Concrete Crack Sealing	778	21,290	1,065	3,834	346	116	2,077	2,077	41,360	72,943	Lb
634E0010	Flagging	48	240	48	72	20	10	30	30	48	546	Hour
634E0020	Pilot Car	12	60	12	18	--	--	--	--	12	114	Hour
634E0110	Traffic Control Signs	184.2	184.2	184.2	184.2	174.2	184.2	174.2	174.2	184.2	1,627.8	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	Lump Sum	LS
634E0275	Type 3 Barricade	--	--	--	--	2	--	--	--	--	2	Each
634E0420	Type C Advance Warning Arrow Board	--	--	--	--	1	--	1	1	--	3	Each

STATE OF SOUTH DAKOTA	PROJECT	SHEET NO.	TOTAL SHEETS
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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 B4: BALD EAGLE

Bald eagles are known to occur in this area.

Action Taken/Required:

If a nest is observed within one mile of the project site, notify the Project Engineer immediately so that he/she can consult with the Environmental Office for an appropriate course of action.

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: HISTORIC PRESERVATION OFFICE CLEARANCES

The SDDOT has obtained concurrence with the State Historic 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.

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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.

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.

A Type 3 Barricade will be installed at the end of a lane closure taper as detailed in these plans. Additional Type 3 Barricades will be installed facing traffic within the closed lane at a spacing of 1/4 mile.

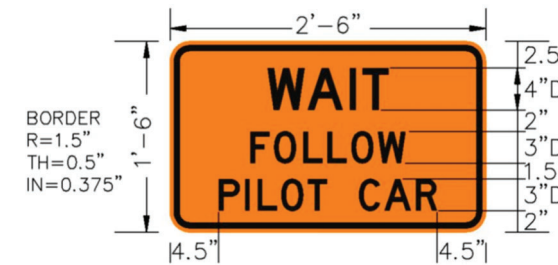
TRAFFIC CONTROL SIGNS

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

FLAGGING

Operations will be conducted so that the traveling public will not have to wait longer than 15 minutes at the flagger station.

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.

CONSTRUCTION REQUIREMENTS

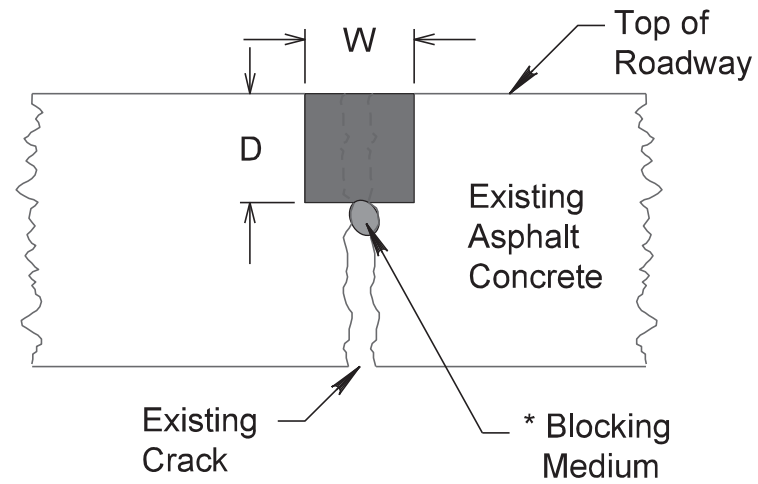
Shoulder bevel slopes greater than 3/8 inch per foot will not be routed and sealed unless directed by the Engineer.

The contract unit price per pound for ASPHALT CONCRETE CRACK SEALING will be nonnegotiable regardless of changes in contract quantity.

ASPHALT CONCRETE AGGREGATES

SDDOT asphalt mixes are known to contain crushed ledge rock such as granite. The Contractor can expect to encounter various percentages of crushed ledge rock both in the larger aggregates and the fines. For information only, all segments are known or believed to contain crushed ledge rock.

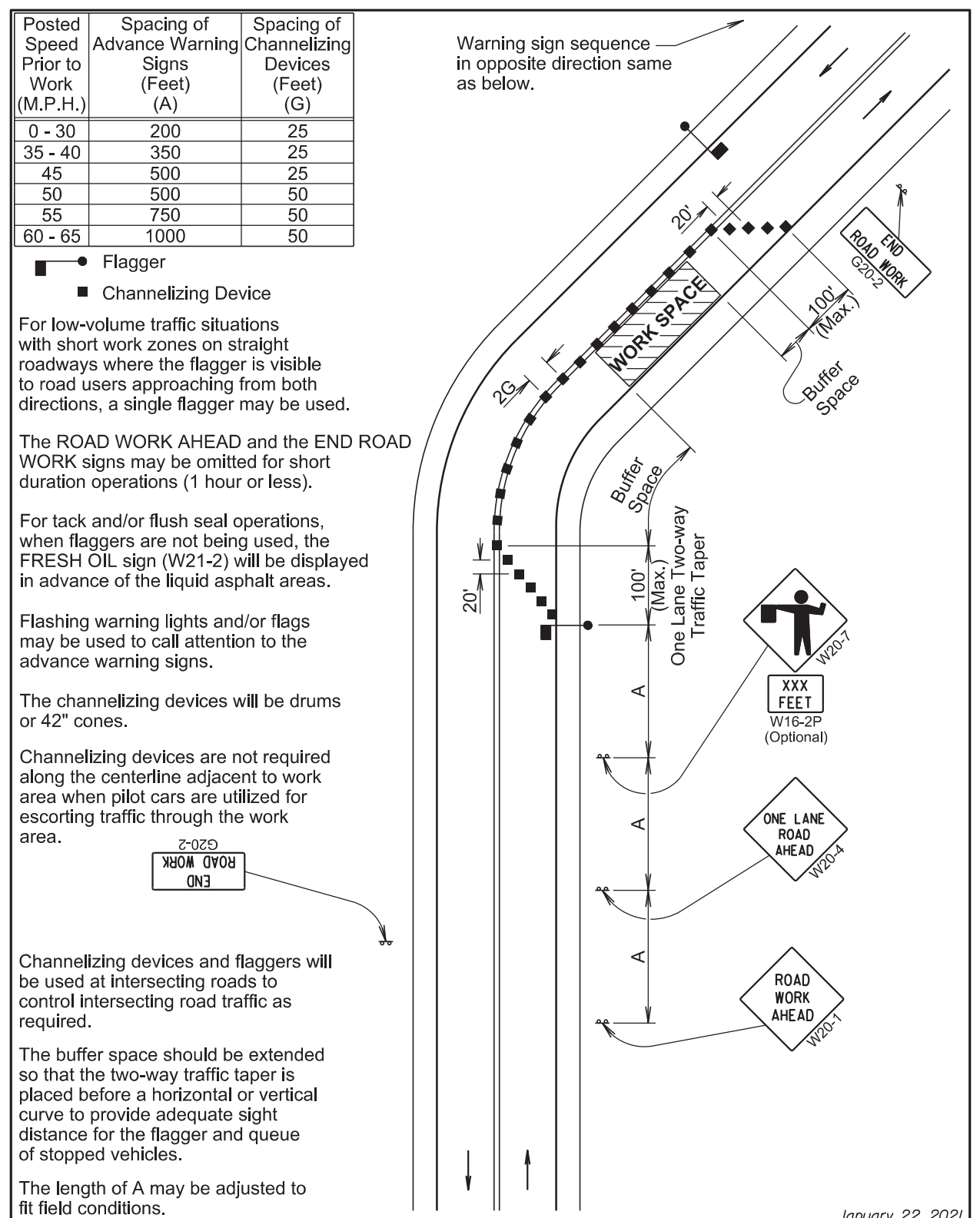
TYPICAL RESERVOIR SECTION



* Inert compressible material required for cracks 3/8" or more in width. The backer rod will be a nonmoisture absorbing, resilient material approximately 25 percent larger in diameter than the width of the joint to be sealed. The backer rod will be compatible with the sealant and no bond or reaction will occur between the rod and the sealant.

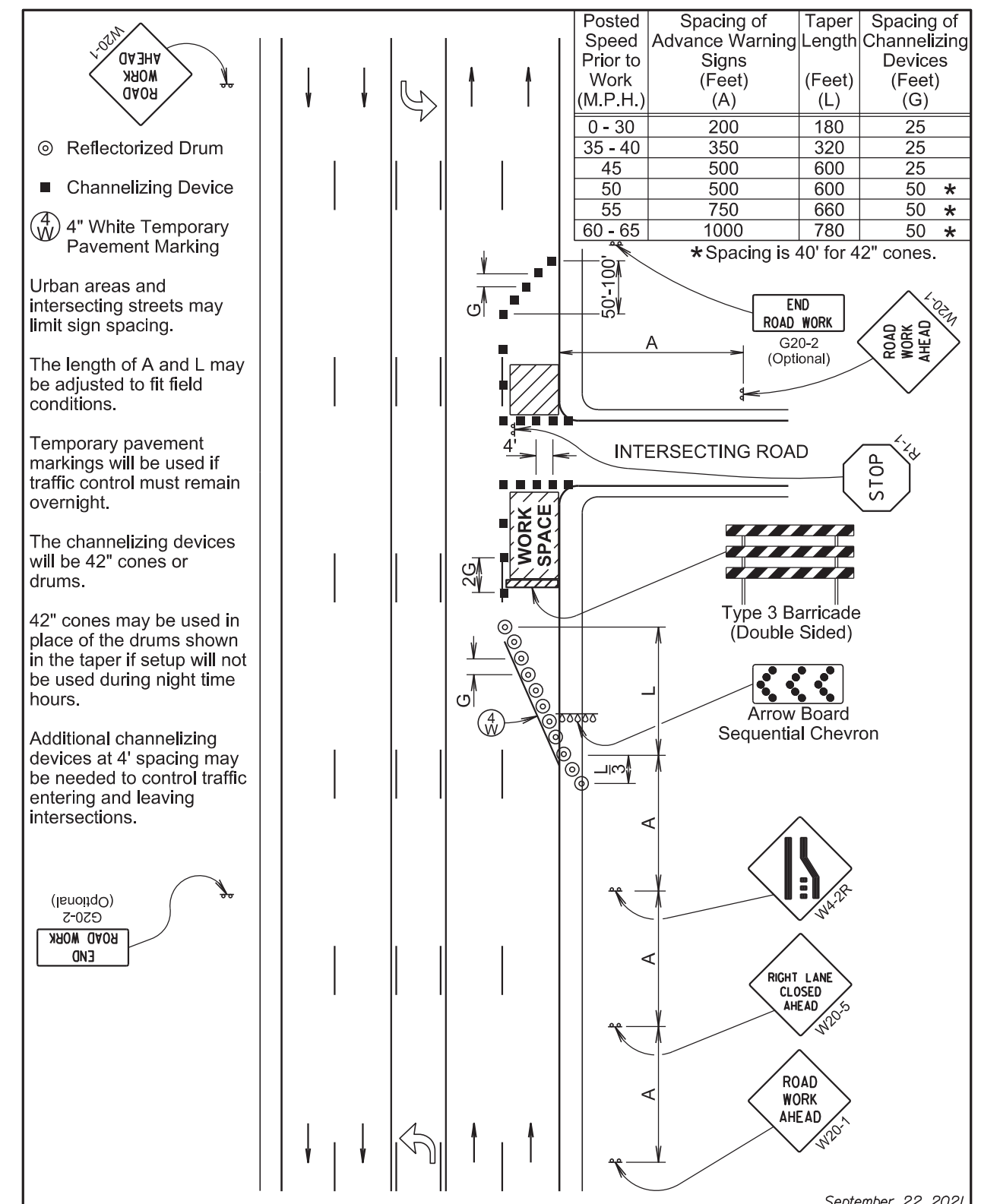
D & W = 3/4"

Recommended Backer Rod Diameter for Joint Width	
Joint Width	Rod Diameter
3/16" - 1/4"	3/8"
1/4" - 3/8"	1/2"
3/8" - 1/2"	5/8"
5/8" - 3/4"	7/8"
3/4" - 7/8"	1"
7/8" - 1"	1 1/4"
1" - 1 1/4"	1 1/2"
1 1/4" - 1 1/2"	2"



January 22, 2021

Published Date: 2026	S D D O T	LANE CLOSURE WITH FLAGGER PROVIDED	PLATE NUMBER 634.23
			Sheet 1 of 1



September 22, 2021

Published Date: 2026	S D D O T	5-LANE, OUTSIDE LANE CLOSED	PLATE NUMBER 634.60
			Sheet 1 of 1

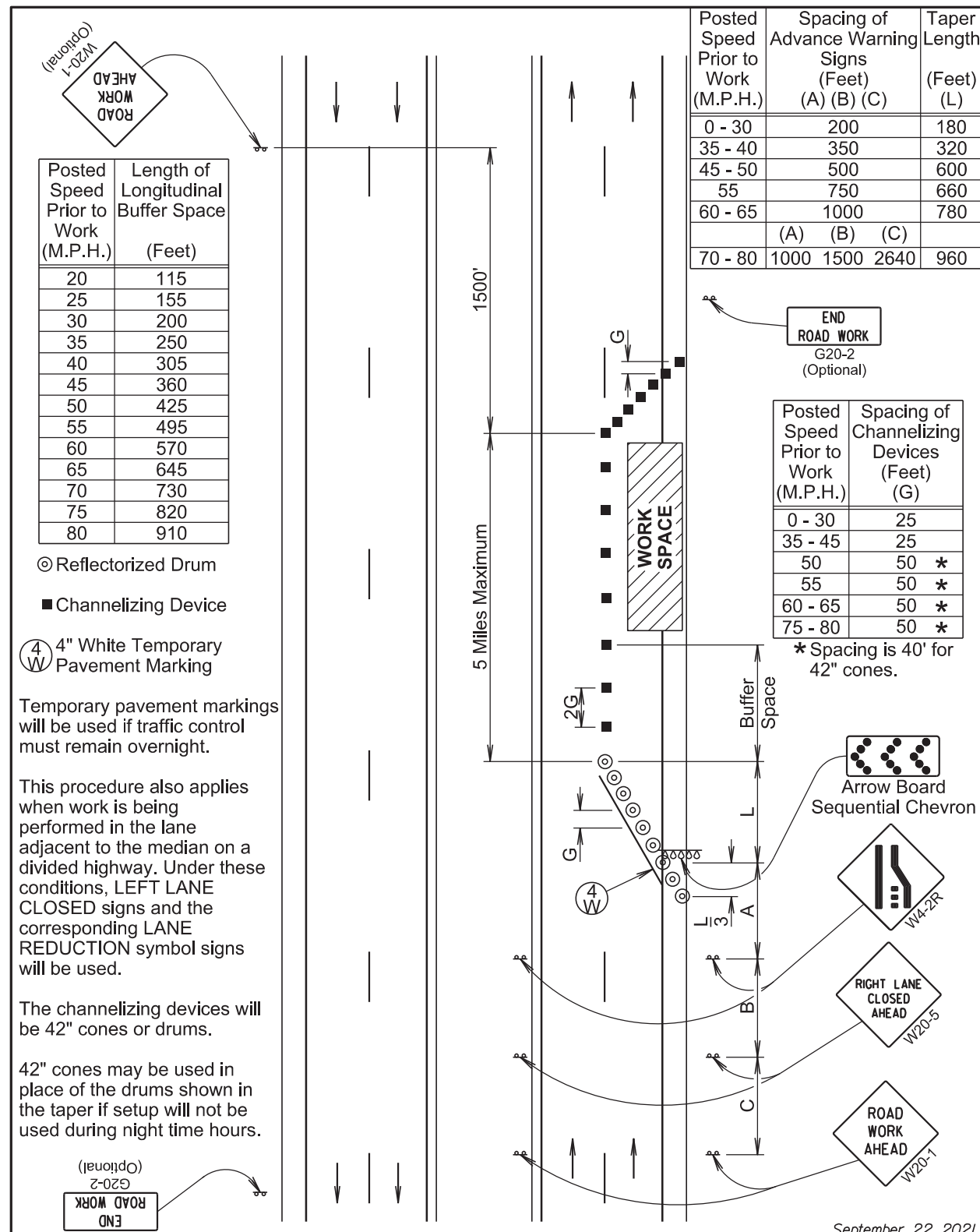
PLOTTED FROM - TRWAINT114

ITEMIZED LIST FOR TRAFFIC CONTROL SIGNS Segment 1,2,3,4,6, & 9

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD			
		NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
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
G20-2	END ROAD WORK	2	36" x 18"	4.5	9.0
SPECIAL	WAIT FOLLOW PILOT CAR	4	30" x 18"	3.8	15.2
CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT					184.2

ITEMIZED LIST FOR TRAFFIC CONTROL SIGNS Segment 5, 7, & 8

SIGN CODE	SIGN DESCRIPTION	CONVENTIONAL ROAD			
		NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
R1-1	STOP	1	30"	5.2	5.2
W4-2	LEFT or RIGHT LANE ENDS (symbol)	2	48" x 48"	16.0	32.0
W20-1	ROAD WORK AHEAD	3	48" x 48"	16.0	48.0
W20-5	LEFT or RIGHT LANE CLOSED AHEAD	2	48" x 48"	16.0	32.0
W20-7	FLAGGER (symbol)	3	48" x 48"	16.0	48.0
G20-2	END ROAD WORK	2	36" x 18"	4.5	9.0
CONVENTIONAL ROAD TRAFFIC CONTROL SIGNS SQFT					174.2



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
70	730
75	820
80	910

© Reflectorized Drum
 ■ Channelizing Device
 (4) 4" White Temporary Pavement Marking

Temporary pavement markings will be used if traffic control must remain overnight.

This procedure also applies when work is being performed in the lane adjacent to the median on a divided highway. Under these conditions, LEFT LANE CLOSED signs and the corresponding LANE REDUCTION symbol signs will be used.

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.

September 22, 2021

Published Date: 2026

SDDOT

LANE CLOSURE WITHOUT BARRIER

PLATE NUMBER
634.64

Sheet 1 of 1

PLOTTED FROM - TRWAINT14