

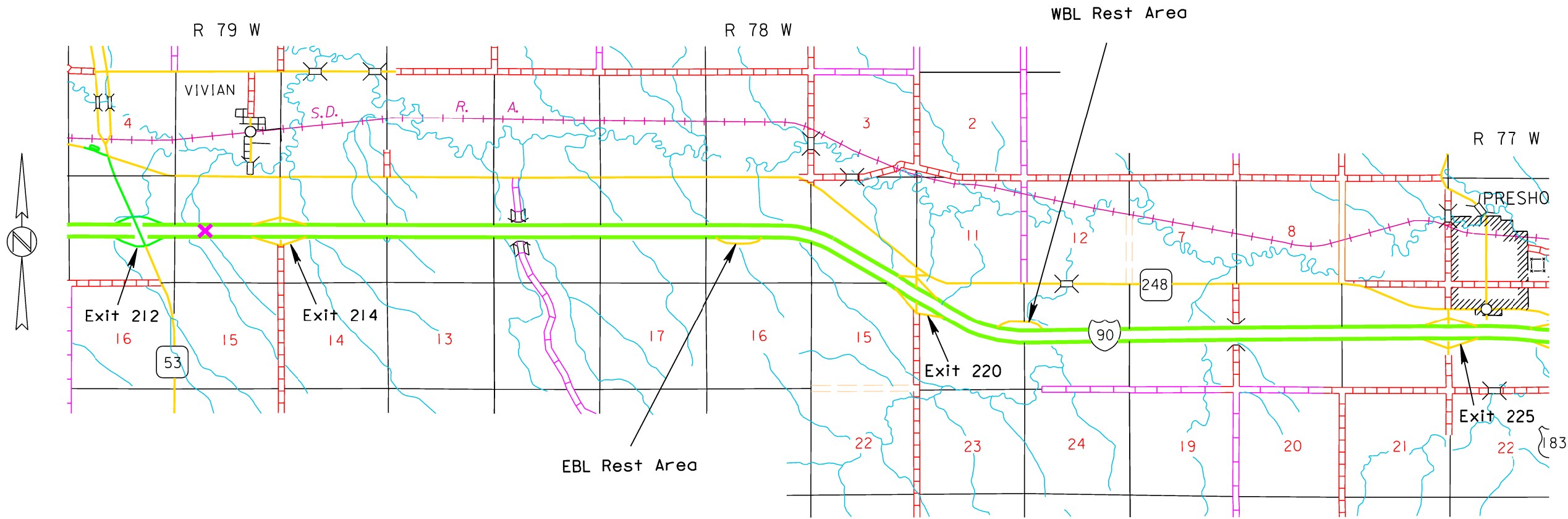
STATE OF SOUTH DAKOTA	PROJECT IM 0905(115)218	SHEET	TOTAL SHEETS
		C1	C5

Plotting Date: 03/09/2021

# SECTION C: TRAFFIC CONTROL PLANS

## INDEX OF SHEETS

C1	General Layout W/Index
C2	Estimate With General Notes & Tables
C3-C5	Standard Plates



PLOT SCALE - 1"=7920'

PLOTTED FROM - TRP25289

PLOT NAME - 1

FILE - ... \SECTION M\0515 TITLE.DGN

SECTION C ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0010	Flagging	10.0	Hour
634E0110	Traffic Control Signs	332.1	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	12	Each
900E1080	Orange Plastic Safety Fence	1,000	Ft

SEQUENCE OF OPERATIONS

The Contractor will submit a sequence of operations for approval two weeks prior to the preconstruction meeting.

Approval of an alternate sequence of operations will only be allowed when the proposed changes meet with the Department's intent for traffic control and sequencing of the work. An alternate sequence will be submitted for review a minimum of one week prior to potential implementation.

West Bound Rest Area work will be conducted within the Rest Area Closure for the Vivian/Presho Rest Area Remodel Project. During this time the parking lot will closed to traffic. The Contractor is to coordinate with the building contractor to minimize delays.

Traffic Control included in the plans will be used for repair work at the East Bound Rest Area. The Contractor will accommodate traffic throughout the duration of the project on the East Bound Rest Area. The East Bound Rest Area will remain accessible to the traveling public at all times during PCC pavement repair.

The contractor will be required to maintain a minimum of half of the car and truck/trailer parking during the repair of the parking lot. To facilitate the work the contractor will be allotted type 3 barricades, grabber cones or drums, and orange snow fence to protect the work area from the traveling public. Work on the ramps will only be allowed as approved by the Engineers or until such time as the rest are is closed to the public due to its scheduled remodel.

One of the existing handicap parking spaces will always remain available while the rest area is open to the traveling public.

The contractor will be allowed to store equipment and materials for repairs for the parking lot within the closed off section. Sections open to the public will not have equipment or materials stored in them unless approved by the Engineers.

The orange snow fence will surround the active work area when applicable. Snow fence will be used multiple times and require resetting based on the contractor's schedule work.

To facilitate traffic into the parking lot from the off ramp, the contractor will be required to create a travel Lane to gain access to the various open parking spaces for both cars and trucks. To Facilitate traffic from the parking lot to the on ramp, the contractor will be required to create a travel lane to enter the ramp. The contractor will utilize barrels/grabber cones, arrows chevrons and the appropriate keep right or left sign, as applicable, to develop these travel lanes inside the parking lot. Travel lanes will be approved by the Engineers prior to installation.

Repairs areas immediately adjacent the snow fence will have a minimum of 2-3 barrels or grabber cones placed outside of the fence.

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 may be portable and locations will be set in the field by the Contractor and verified by the Engineers prior to installation.

All temporary speed limit signs will have a minimum mounting height of 5 feet in rural locations, even when mounted on portable supports.

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

All construction operations will be conducted in the general direction of traffic movement.

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 Engineers.

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

Traffic Control Signs, as shown in the Estimate of Quantities, are estimates. Contractor's operation may require adjustments in quantities, either more or less. Payment will be for those signs used on the project, in accordance with the Specifications.

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 Engineers 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.

At no time will a vertical drop-off of greater than 3 inches be left overnight adjacent to the traveled way. The Contractor will utilize embankment material to ensure a 3-inch vertical drop-off is not exceeded. The slope of the embankment material will not be steeper than a 4:1 within 30 feet of the traveled way.

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.

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TRAFFIC CONTROL SIGNS

Sufficient traffic control signs have been included in these plans to sign workspace within the rest area ramps and parking lot. If the Contractor elects to work on additional locations simultaneously, the cost for additional traffic control signs will be incidental to the contract unit price per square foot for "Traffic Control Signs".

TABLE OF TRAFFIC CONTROL SIGNS

SIGN CODE	SIGN DESCRIPTION	EXPRESSWAY / INTERSTATE			
		NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
W1-6	LARGE ARROW (one direction)	2	60" x 30"	12.5	25.0
W1-8	CHEVRON	3	30" x 36"	7.5	22.5
W4-2	LEFT or RIGHT LANE ENDS (symbol)	2	48" x 48"	16.0	32.0
W5-4	RAMP NARROWS	2	48" x 48"	16.0	32.0
W13-1P	ADVISORY SPEED (plaque)	2	30" x 30"	6.3	12.6
W20-1	ROAD WORK AHEAD	2	48" x 48"	16.0	32.0
SPECIAL	RAMP WORK AHEAD	2	48" x 48"	16.0	32.0
W20-4	ONE LANE ROAD AHEAD	2	48" x 48"	16.0	32.0
W20-5	LEFT or RIGHT LANE CLOSED AHEAD	2	48" x 48"	16.0	32.0
W21-5a	LEFT or RIGHT SHOULDER CLOSED	2	48" x 48"	16.0	32.0
W21-5b	LEFT or RIGHT SHOULDER CLOSED AHEAD	2	48" x 48"	16.0	32.0
G20-2	END ROAD WORK	2	48" x 24"	8.0	16.0
		EXPRESSWAY / INTERSTATE DETOUR AND RESTRICTION SIGNING SQFT			332.1

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