

Planning & Engineering Office of Project Development

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February 15, 2025

ADDENDUM NO. 4

RE: Item #1, February 19, 2025 Letting - IM-B-CR 2292(101)3, PCN 05HN, Minnehaha County - Grading, PCC Surfacing, Structures (10x4 RCBC extension, 163' Temporary Bridge, (2) 400' Steel Girder, (2) 12x8 CIP RCBC), Retaining Walls, Curb & Gutter, Storm Sewer, Signals, Lighting

TO WHOM IT MAY CONCERN:

The following addenda to the plans shall be inserted and made a part of your proposal for the referenced project.

SPECIAL PROVISIONS: NO CHANGE

SDEBS BID PROPOSAL: The electronic bid proposal for this contract has been revised to include the changes associated

with this addendum. Bidders must log in to the SDEBS to retrieve and incorporate these changes

into their bid.

Quantities for Bid Items were changed:

Bid Item 628E1500 "Concrete Barrier End Protection" changed from 6 to 7 Each
Bid Item 632E1320 "2.0"x2.0" Perforated Tube Post" changed from 1,045.3 to 1,296.3 Ft
Bid Item 634E0750 "Temporary Concrete Barrier End Protection" changed from 4 to 5 Each

PLANS: Please destroy sheets A2, A6, B3, B19, C2, C8, C13, C17, C28, S2, S15-S23 & S77 and replace

with the enclosed sheets, dated 2/14/25.

Sheets A2 & B3: Quantities for Bid Item 628E1500 "Concrete Barrier End Protection"

changed from 6 to 7 Each

Sheets A2 & C2: Quantities for Bid Item 634E0750 "Temporary Concrete Barrier End

Protection" changed from 4 to 5 Each

Sheets A6 & S2: Quantities for Bid Item 632E1320 "2.0" x2.0" Perforated Tube Post"

changed from 1,045.3 to 1,296.3 Ft

Sheet B19: TABLE OF PERMANENT CONCRETE BARRIER END PROTECTION was revised.

Sheet C2: SECTION C ESTIMATE OF QUANITIES (Exit 3 Crossover – Info Only)

Bid Item 634E0702 "Contractor Supplied Traffic Control Moveable Concrete Barrier"

was removed.

Bid Item 634E0700 "Traffic Control Movable Concrete Barrier" was added.

Sheet C8: The first paragraph of the TRAFFIC CONTROL MOVABLE CONCRETE BARRIERS note & the first paragraph of the TEMPORARY CONCRETE BARRIER END PROTECTION note was revised. TABLE OF TEMPORARY CONCRETE BARRIER END PROTECTION was revised.

Sheet C13: OTHER TRAFFIC CONTROL QUANTITIES (05HN: Exit 4) table was revised.

Sheet C17: OTHER TRAFFIC CONTROL QUANTITIES (05HN: Exit 3 Crossover) table was

revised.

Sheet C28: TIE TO REMAINING BARRIER FROM TEMP BRIDGE PROEJCT notes were added.

Sheets S15-S23: Permanent Sign Installation Table was revised. All (S)lip Base Post data was

changed to (A)nchor Stub Post. Several sign location post data was revised to

indicate 2P.

<u>Sheet \$77:</u> 2" SQUARE STEEL PERFORATED TUBE POST WINGED SLEEVE ANCHOR BASE DETAILS was added.

Sincerely,

Sam Weisgram
Engineering Supervisor

SW/cj

CC: Travis Dressen, Mitchell Region Engineer

Harry Johnston, Sioux Falls Area Engineer

STATE OF	PROJECT	SHEET	TOTAL
SOUTH DAKOTA	IM-B-CR 2292(101)3	A2	A11

Section B – Grading (continued)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
621E0160	6' Chain Link Fence with Tension Wired Top	13,739	Ft
628E1100	Movable F Shape Concrete Barrier, Interior Section	91	Each
628E1500	Concrete Barrier End Protection	7	Each
628E1510	Concrete Barrier End Protection Module Set or Repair Kit	2	Each
629E0110	High Tension 4 Cable Guardrail	5,619	Ft
629E0290	High Tension Cable Guardrail Anchor Assembly	4	Each
629E1109	Furnish High Tension Cable Guardrail Post and Sleeve	50	Each
629E9000	Crossover Closure	178	Ft
630E0500	Type 1 MGS	4,049.0	Ft
630E0530	Type 3 MGS	150.0	Ft
630E1005	18'-9" Longspan MGS	1	Each
630E1500	Type 1 Guardrail Transition	2	Each
630E2017	MGS MASH Flared End Terminal	3	Each
630E2018	MGS MASH Tangent End Terminal	7	Each
630E2065	MGS Trailing End Terminal	6	Each
630E2200	W Beam Guardrail End Block Adapter	3	Each
634E0525	Linear Delineation System Panel, Barrier Mounted	91	Each
650E0060	Type B66 Concrete Curb and Gutter	1,813	Ft
650E0085	Type B68.5 Concrete Curb and Gutter	3,281	Ft
650E0105	Type B610.5 Concrete Curb and Gutter	9,970	Ft
650E0120	Type B612 Concrete Curb and Gutter	60	Ft
651E0040	4" Concrete Sidewalk	1,219	SqFt
651E0060	6" Concrete Sidewalk	60,159	SqFt
651E7000	Type 1 Detectable Warnings	718	SqFt
670E0200	Type A Frame and Grate	10	Each
670E2200	Type C Frame and Grate	4	Each
670E4205	Type M Frame and Grate Assembly	8	Each
670E5200	Special Frame and Grate Assembly	45	Each
670E5200	Special Frame and Grate Assembly	15	Each
670E5340	4' x 11' Precast Concrete Type S Drop Inlet Lid	5	Each
670E5400	Precast Drop Inlet Collar	4	Each
670E6000	Adjust Drop Inlet	1	Each
671E6008	Type A8 Manhole Frame and Lid	4	Each
671E6035	Special Manhole Frame and Lid	5	Each
671E6040	Manhole Frame	1	Each
671E6050	Manhole Lid	1	Each
671E7020	Connect Into Existing Manhole	1	Each
700E0210	Class B Riprap	651.0	Ton
831E0110	Type B Drainage Fabric	922	SqYd

Section C – Traffic Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0040	Cold Applied Plastic Pavement Marking, Arrow	9	Each
634E0010	Flagging	500.0	Hour
634E0110	Traffic Control Signs	3,014.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0135	Traffic Control Supervisor	Lump Sum	LS
634E0275	Type 3 Barricade	63	Each
634E0330	Temporary Raised Pavement Markers	12,673	Ft
634E0380	Tubular Marker	24	Each
634E0390	Replace Tubular Marker	2	Each
634E0420	Type C Advance Warning Arrow Board	3	Each
634E0525	Linear Delineation System Panel, Barrier Mounted	374	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	60,593	Ft
634E0565	Remove Pavement Marking, Arrow	5	Each
634E0640	Temporary Pavement Marking	125,212	Ft
634E0700	Traffic Control Movable Concrete Barrier	521	Each
634E0705	Remove and Reset Traffic Control Movable Concrete Barrier	534	Each
634E0750	Temporary Concrete Barrier End Protection	5	Each
634E0755	Remove and Reset Temporary Concrete Barrier End Protection	5	Each
634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	1	Each
634E0915	Short Term Temporary Traffic Control Signal	1	Site
634E1002	Detour and Restriction Signing	1,774.2	SqFt
634E1020	Temporary Business Signing	379.8	SqFt
634E1215	Contractor Furnished Portable Changeable Message Sign	12	Each
634E1235	Queue Detection System	18.0	Mth
634E1245	Maintenance of Queue Detection System	376	Hour
634E1255	Contractor Furnished Speed Monitoring Radar Trailer	2	Each
634E2000	Longitudinal Pedestrian Barricade	8	Ft
634E2020	Temporary Curb Ramp	2	Each
634E2025	Longitudinal Pedestrian Barrier	308	Ft
634E2050	Temporary Sidewalk	600	SqFt
635E7600	Maintenance of Traffic Signal(s)	40	Hour
900E1080	Orange Plastic Safety Fence	1,600	Ft

Revised Date: 02/14/2025 NBG Section D – Erosion and Sediment Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	35.0	CuYd
110E1693	Remove Erosion Control Wattle	1,359	Ft
110E1695	Remove Sediment Filter Bag	2,516	Ft
110E1700	Remove Silt Fence	3,240	Ft
120E6300	Water for Vegetation	11,985.0	MGal
230E0010	Placing Topsoil	23,080	CuYd
730E0202	Type B Permanent Seed Mixture	133	Lb
730E0206	Type D Permanent Seed Mixture	12,585	Lb
731E0200	Fertilizing	34.31	Ton
732E0200	Fiber Mulching	14.5	Ton
732E0300	Bonded Fiber Matrix	80.5	Ton
734E0044	Soil Stabilizer	41.3	Acre
734E0102	Type 2 Erosion Control Blanket	10,567	SqYd
734E0133	Type 3 Turf Reinforcement Mat	997.0	SqYd
734E0154	12" Diameter Erosion Control Wattle	6,059	Ft
734E0160	20" Diameter Erosion Control Wattle	216	Ft
734E0165	Remove and Reset Erosion Control Wattle	1,569	Ft
734E0180	Sediment Filter Bag	2,516	Ft
734E0325	Surface Roughening	2.0	Acre
734E0510	Shaping for Erosion Control Blanket	4,093	Ft
734E0602	Low Flow Silt Fence	14,820	Ft
734E0610	Mucking Silt Fence	900	CuYd
734E0620	Repair Silt Fence	3,240	Ft
734E0630	Floating Silt Curtain	600	Ft
734E0845	Sediment Control at Inlet with Frame and Grate	29	Each
734E0847	Sediment Control at Type S Reinforced Concrete Drop Inlet	485	Ft
734E5005	Dewatering	Lump Sum	LS
734E5010	Sweeping	80	Hour
900E1310	Concrete Washout Facility	4	Each
900E1320	Construction Entrance	8	Each



Section S – Permanent Signing

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0100	Remove Concrete Footing(s)	Lump Sum	LS
110E0120	Remove Sign Bridge	3	Each
110E0130	Remove Traffic Sign	62	Each
110E0135	Remove Delineator	136	Each
110E0140	Remove Extruded Panel Sign	6	Each
110E5000	Salvage Sign Bridge	2	Each
110E5020	Salvage Traffic Sign	10	Each
110E7150	Remove Sign for Reset	25	Each
632E0014	1.75' Diameter Breakaway Support Concrete Footing	126.0	Ft
632E0072	4' Diameter Fixed Support Concrete Footing	38.0	Ft
632E1235	W6x20 Steel Post	353.9	Ft
632E1320	2.0"x2.0" Perforated Tube Post	1,296.3	Ft
632E1340	2.5"x2.5" Perforated Tube Post	51.5	Ft
632E2000	4"x4" Amber Delineator with 1.12 Lb/Ft Post	12	Each
632E2004	4"x8" Amber Delineator with 1.12 Lb/Ft Post	15	Each
632E2008	4" Tubular Amber Delineator with 1.12 Lb/Ft Post	4	Each
632E2020	4"x4" White Delineator with 1.12 Lb/Ft Post	44	Each
632E2024	4"x8" White Delineator with 1.12 Lb/Ft Post	98	Each
632E2028	4" Tubular White Delineator with 1.12 Lb/Ft Post	5	Each
632E2220	Guardrail Delineator	95	Each
632E2510	Type 2 Object Marker Back to Back	63	Each
632E2520	Type 2 Object Marker	2	Each
632E3115	Extruded Aluminum Sign, Nonremovable Copy Super/Very High Intensity	1,270.1	SqFt
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	306.7	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	325.5	SqFt
632E3500	Reset Sign	25	Each
632E5020	Overhead Cantilever Sign Support	3	Each
634E0275	Type 3 Barricade	3	Each

STATE OF SOUTH DAKOTA PROJECT SHEET IM-B-CR 2292(101)3 A6

Revised Date: 02/14/2025 Initials: NBG

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications, and Special Provisions as included in the Proposal.



SECTION B ESTIMATE OF QUANTITIES (CONTINUED)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
621E0160	6' Chain Link Fence with Tension Wired Top	13,739	Ft
628E1100	Movable F Shape Concrete Barrier, Interior Section	91	Each
628E1500	Concrete Barrier End Protection	7	Each
628E1510	Concrete Barrier End Protection Module Set or Repair Kit	2	Each
629E0110	High Tension 4 Cable Guardrail	5,619	Ft
629E0290	High Tension Cable Guardrail Anchor Assembly	4	Each
629E1109	Furnish High Tension Cable Guardrail Post and Sleeve	50	Each
629E9000	Crossover Closure	178	Ft
630E0500	Type 1 MGS	4,049.0	Ft
630E0530	Type 3 MGS	150.0	Ft
630E1005	18'-9" Longspan MGS	1	Each
630E1500	Type 1 Guardrail Transition	2	Each
630E2017	MGS MASH Flared End Terminal	3	Each
630E2018	MGS MASH Tangent End Terminal	7	Each
630E2065	MGS Trailing End Terminal	6	Each
630E2200	W Beam Guardrail End Block Adapter	3	Each
634E0525	Linear Delineation System Panel, Barrier Mounted	91	Each
650E0060	Type B66 Concrete Curb and Gutter	1,813	Ft
650E0085	Type B68.5 Concrete Curb and Gutter	3,281	Ft
650E0105	Type B610.5 Concrete Curb and Gutter	9,970	Ft
650E0120	Type B612 Concrete Curb and Gutter	60	Ft
651E0040	4" Concrete Sidewalk	1,219	SqFt
651E0060	6" Concrete Sidewalk	60,159	SqFt
651E7000	Type 1 Detectable Warnings	718	SqFt
670E0200	Type A Frame and Grate	10	Each
670E2200	Type C Frame and Grate	4	Each
670E4205	Type M Frame and Grate Assembly	8	Each
670E5200	Special Frame and Grate Assembly	45	Each
670E5200	Special Frame and Grate Assembly	15	Each
670E5340	4' x 11' Precast Concrete Type S Drop Inlet Lid	5	Each
670E5400	Precast Drop Inlet Collar	4	Each
670E6000	Adjust Drop Inlet	1	Each
671E6008	Type A8 Manhole Frame and Lid	4	Each
671E6035	Special Manhole Frame and Lid	5	Each
671E6040	Manhole Frame	1	Each
671E6050	Manhole Lid	1	Each
671E7020	Connect Into Existing Manhole	1	Each
700E0210	Class B Riprap	651.0	Ton
831E0110	Type B Drainage Fabric	922	SqYd

<u>SECTION B ESTIMATE OF QUANTITIES (Exit 3 Crossover)</u> (Included in overall estimate of quantities table, for information only)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	1.214	Mile
009E3245	Final Cross Section Survey	1.214	Mile
009E3250	Miscellaneous Staking	1.214	Mile
009E3280	Slope Staking	1.214	Mile
009E3290	Structure Staking	3	Each
009E3301	Engineer Directed Surveying/Staking	40	Hour
009E4300	Construction Schedule, Category III	Lump Sum	LS
100E0100	Clearing	Lump Sum	LS
110E0700	Remove 3 Cable Guardrail	518	Ft
110E0730	Remove Beam Guardrail	78.0	Ft
110E0740	Remove 3 Cable Guardrail Anchor Assembly	3	Each
110E1100	Remove Concrete Pavement	3,232.3	SqYd
110E7510	Remove Pipe End Section for Reset	1	Each
120E0010	Unclassified Excavation	22,003	CuYd
120E0300	Borrow Unclassified Excavation	30,994	CuYd
120E1000	Muck Excavation	406	CuYd
120E2000	Undercutting	9,427	CuYd
120E6100	Water for Embankment	310.0	MGal
250E0020	Incidental Work, Grading	Lump Sum	LS
450E0143	24" RCP Class 3, Furnish	122	Ft
450E0150	24" RCP, Install	122	Ft
450E0416	24" RCP Bend, Furnish	1	Each
450E0417	24" RCP Bend, Install	1	Each
450E2016	24" RCP Flared End, Furnish	1	Each
450E2017	24" RCP Flared End, Install	1	Each
450E4748	15" CMP 14 Gauge, Furnish	286	Ft
450E4750	15" CMP, Install	286	Ft
450E4768	24" CMP 14 Gauge, Furnish	222	Ft
450E4770	24" CMP, Install	222	Ft
450E5015	24" CMP Elbow, Furnish	4	Each
450E5016	24" CMP Elbow, Install	4	Each
450E5207	15" CMP Flared End, Furnish	2	Each
450E5208	15" CMP Flared End, Install	2	Each
450E5215	24" CMP Flared End, Furnish	2	Each
450E5216	24" CMP Flared End, Install	2	Each
450E5402	15" CMP Safety End, Furnish	2	Each
450E5403	15" CMP Safety End, Install	2	Each
450E6119	15" Slotted CMP 16 Gauge, Furnish	160	Ft
450E6120	15" Slotted CMP, Install	160	Ft
450E9001	Reset Pipe End Section	1	Each
462E0100	Class M6 Concrete	13.9	CuYd

STATE OF	PROJECT	SHEET	TOTAL SHEETS	
SOUTH DAKOTA	IM-B-CR 2292(101)3	В3	B225	

Revised Date: 02/14/2025 Initials: NBG

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
464E0100	Controlled Density Fill	28.9	CuYd
480E0100	Reinforcing Steel	951	Lb
628E1100	Movable F Shape Concrete Barrier, Interior Section	91	Each
628E1500	Concrete Barrier End Protection	4	Each
629E9000	Crossover Closure	178	Ft
630E0500	Type 1 MGS	1,572.4	Ft
630E0530	Type 3 MGS	150.0	Ft
630E2017	MGS MASH Flared End Terminal	3	Each
630E2065	MGS Trailing End Terminal	1	Each
630E2200	W Beam Guardrail End Block Adapter	3	Each
634E0525	Linear Delineation System Panel, Barrier Mounted	91	Each
670E2200	Type C Frame and Grate	4	Each
670E5400	Precast Drop Inlet Collar	4	Each
670E6000	Adjust Drop Inlet	1	Each



PERMANENT CONCRETE BARRIER END PROTECTION

The Contractor will provide a permanent concrete barrier end protection crash cushion from the Approved Products List (APL). The Contractor will be responsible for selecting a crash cushion from the APL that is appropriate width to protect the concrete barrier (or other hazard). If the crash cushion selected requires system specified transition panels to obtain the appropriate width, no additional payment will be made for the transition panels. Only one type of crash cushion will be used on a project; however, if conditions warrant a need for using more than one type of crash cushion on a project, then the Contractor will submit a proposal to the Engineer for approval. The approved products list may be viewed at the following internet site:

https://apps.sd.gov/HC60ApprovedProducts/main.aspx

The anchoring pad for the crash cushion will at a minimum be an 8-inch-thick PCC pavement that meets the requirements of Class M6 concrete. The pad will be in accordance with the Manufacturer's recommendations if the pad needs to have thicker pavement and/or a footing.

Documentation on the crash cushion, which includes the drawing details of the crash cushion, details for the transition to the concrete barrier, and details for the concrete anchoring pad, will be provided to the Project Engineer at the pre-construction meeting.

The crash cushion will be attached to the concrete barrier with a transition that meets test level 3 requirements of MASH at locations shown below in the Table of Permanent Concrete Barrier End Protection. For unidirectional traffic, the transition piece will be placed on the side of the cushion and barrier that is adjacent to the traffic. For bidirectional traffic, the transition will be placed on both sides of the crash cushion and barrier.

The Contractor will certify that the crash cushion was installed according to the Manufacturer's installation instructions.

All costs for furnishing and installing the crash cushion including the anchoring pad, anchors for connection to the pad, transitions to the concrete barrier (if required), strut backup, materials, labor, equipment, and incidental items will be paid for at the contract unit price per each for "Concrete Barrier End Protection".

The Contractor will supply two extra sets of modules or replacement kits required for resetting the crash cushion and will deliver these items to the DOT Area Shop in Sioux Falls. One set of modules or one replacement kit is considered a comprehensive repair kit which will include all parts that could potentially be necessary to repair and restore the crash cushion to properly functioning and like-new condition after a vehicle hit. Final payment for the modules or replacement kits will be executed once the items are delivered to the DOT Area Shop in Sioux Falls. All costs for furnishing and delivering the extra sets of modules or replacement kits will be incidental to the contract unit price per each for "Concrete Barrier End Protection Module Set or Repair Kit".

TABLE OF PERMANENT CONCRETE BARRIER END PROTECTION

01.41.	1	Unidirectional/	Quantity
Station	Location	Bidirectional	(Each)
NB I-229			
131+75	R	Unidirectional	1
148+88	R	Unidirectional	1
157+30	L	Unidirectional	1
157+40	R	Unidirectional	1
197+76	R	Unidirectional	1
210+68	L	Unidirectional	1
SB I-229			
220+06	L	Unidirectional	1
		Total	7

TABLE OF PERMANENT CONCRETE BARRIER (Exit 3 Crossover)

Station	Туре	Quantity (Each)
NB I-229		
131+75-53' R to 134+00-53' R	F-Shape	18
148+94-31' R to 152+31-28' R	F-Shape	27
154+53-4' L to 157+28-32' L	F-Shape	22
154+36-28' R to 157+36-32' R	F-Shape	24
	Total	91

HIGH TENSION CABLE GUARDRAIL

The Contractor will furnish and install a high tension cable guardrail system that meets the Test Level 3 crash testing requirements of the Manual for Assessing Safety Hardware (MASH). The maximum dynamic deflection of the system will be less than 10'-0" and the maximum post spacing will be 10'-6" unless specified otherwise in the plans. High Tension 4 Cable Guardrail will be one of the following products:

Valtir (Trinity) – CASS S3 M10 Brifen – 4 Rope O-Post System

The high tension cable guardrail system will be in compliance with Specifications Section 6.9 Buy America.

The Contractor will install the system according to the manufacturer's installation recommendations except where stated otherwise in the plans. A copy of the detail drawings and installation instructions for the high tension cable guardrail and anchor assemblies will be given to the Engineer a minimum of 4 weeks prior to installation of the high tension cable guardrail system.

All posts will be galvanized and inserted into driven galvanized steel sleeves with soil plates. The driven sleeves must be designed for a minimum frost depth of 42" and to resist the additional lateral component of curved cable sections.

Delineation of the high tension cable guardrail will be in conformance with standard plate 632.40.

The cables provided will be pre-stretched in the factory.

STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	IM-B-CR 2292(101)3	B19	B225

Revised Date: 02/14/2025

The Contractor will check and adjust the tension of the cables a minimum of 3 weeks after installation and not longer than 6 weeks after installation. Cost for this work will be incidental to the contract unit price per foot for "High Tension 4 Cable Guardrail".

High tension cable guardrail will be installed on a 10:1 or flatter slope and the embankment limits will match the high tension cable guardrail limits. The embankment quantities may vary from plans quantity.

The lengths of high tension cable guardrail stated in the plans are based on a minimum effective length (length of need). The length and location of the high tension cable guardrail at each site will need to be adjusted during construction as necessary depending on the system provided and will be approved by the Design Engineer before installation. When the Valtir (Trinity) CASS S3 M10 system is installed adjacent to one-way traffic roadways, 26' of the anchor assembly on the approach end is considered non-effective, and 51' on the non-approach end is considered non-effective; however, when the same system is installed adjacent to two-way traffic roadways, 26' of the anchor assembly on both the approach and non-approach ends is considered non-effective. For Brifen 4 Rope O-Post System installations, the anchor assembly is non-effective.

The Contractor will provide a signed letter of compliance to the Engineer upon completion of the high tension cable guardrail installation(s) stating that the high tension cable barrier system has been installed in conformance to the manufacturer installation instructions and specifications, meets the Test Level 3 crash test requirements of MASH, and is terminated with an approved anchor assembly.

The high tension cable guardrail will be measured along the centerline of the cable guardrail from the beginning to the end of the minimum effective length. All costs for furnishing and installing the high tension cable guardrail system including all labor, materials, and equipment will be incidental to the contract unit price per foot for "High Tension 4 Cable Guardrail".

HIGH TENSION CABLE GUARDRAIL ANCHOR ASSEMBLY

The beginning and end of each "run" of high tension cable guardrail will terminate with an anchor assembly. The High Tension Cable Anchor Assemblies will be one of the following products:

Valtir (Trinity) – CASS Cable Terminal (CCT) Brifen – MASH Gating Terminal (MGT)

The footing(s) for the anchor assembly will be designed to allow for 1 inch maximum of lateral deflection. The allowable design soil pressure will be 1000 psf. The top 2 feet of soil pressure will be neglected in the design of the footing(s). The footing(s) will be a minimum of 5' deep. The footing(s) design will be submitted through proper channels to the Office of Bridge Design for a one-time approval. Allow 15 working days for Office of Bridge Design review. Any changes to the anchor assembly that could affect footing size including configuration changes such as different number of cables and different number of footings will be resubmitted for approval. The approval will be obtained a minimum of 4 weeks prior to construction of the anchor footing(s).

Delineation of the high tension cable guardrail anchor assembly will be in conformance with standard plate 632.40.

SECTION C ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0040	Cold Applied Plastic Pavement Marking, Arrow	9	Each
634E0010	Flagging	500.0	Hour
634E0110	Traffic Control Signs	3,014.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0135	Traffic Control Supervisor	Lump Sum	LS
634E0275	Type 3 Barricade	63	Each
634E0330	Temporary Raised Pavement Markers	12,673	Ft
634E0380	Tubular Marker	24	Each
634E0390	Replace Tubular Marker	2	Each
634E0420	Type C Advance Warning Arrow Board	3	Each
634E0525	Linear Delineation System Panel, Barrier Mounted	374	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	60,593	Ft
634E0565	Remove Pavement Marking, Arrow	5	Each
634E0640	Temporary Pavement Marking	125,212	Ft
634E0700	Traffic Control Movable Concrete Barrier	521	Each
634E0705	Remove and Reset Traffic Control Movable Concrete Barrier	534	Each
634E0750	Temporary Concrete Barrier End Protection	5	Each
634E0755	Remove and Reset Temporary Concrete Barrier End Protection	5	Each
634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	1	Each
634E0915	Short Term Temporary Traffic Control Signal	1	Site
634E1002	Detour and Restriction Signing	1,774.2	SqFt
634E1020	Temporary Business Signing	379.8	SqFt
634E1215	Contractor Furnished Portable Changeable Message Sign	12	Each
634E1235	Queue Detection System	18.0	Mth
634E1245	Maintenance of Queue Detection System	376	Hour
634E1255	Contractor Furnished Speed Monitoring Radar Trailer	2	Each
634E2000	Longitudinal Pedestrian Barricade	8	Ft
634E2020	Temporary Curb Ramp	2	Each
634E2025	Longitudinal Pedestrian Barrier	308	Ft
634E2050	Temporary Sidewalk	600	SqFt
635E7600	Maintenance of Traffic Signal(s)	40	Hour
900E1080	Orange Plastic Safety Fence	1,600	Ft

SECTION C ESTIMATE OF QUANTITIES (Exit 3 Crossover)

(Included in overall estimate of quantities table, for information only)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0040	Cold Applied Plastic Pavement Marking, Arrow	9	Each
634E0010	Flagging	500	Hour
634E0110	Traffic Control Signs	1,928.1	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	15	Each
634E0380	Tubular Marker	24	Each
634E0390	Replace Tubular Marker	2	Each
634E0420	Type C Advance Warning Arrow Board	1	Each
634E0525	Linear Delineation System Panel, Barrier Mounted	374	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	9,413	Ft
634E0565	Remove Pavement Marking, Arrow	3	Each
634E0640	Temporary Pavement Marking	10,382	Ft
634E0700	Traffic Control Movable Concrete Barrier	374	Each
634E0705	Remove and Reset Traffic Control Movable Concrete Barrier	436	Each
634E0750	Temporary Concrete Barrier End Protection	3	Each
634E0755	Remove and Reset Temporary Concrete Barrier End Protection	5	Each
634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	1	Each
634E1002	Detour and Restriction Signing	309.1	SqFt
634E1215	Contractor Furnished Portable Changeable Message Sign	6	Each
634E1235	Queue Detection System	9.0	Mth
634E1245	Maintenance of Queue Detection System	104	Hour
634E2000	Longitudinal Pedestrian Barricade	8	Ft
634E2020	Temporary Curb Ramp	2	Each
634E2025	Longitudinal Pedestrian Barrier	308	Ft

STATE OF SOUTH	PROJECT	SHEET	TOTAL SHEETS
DAKOTA	IM-B-CR 2292(101)3	C2	C107

Revised Date: 02/14/2025

SEQUENCE OF OPERATIONS

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

General

- Maintain all accesses to Lincoln High School while classes are in session until the start of summer break, access to be restored prior to start of fall classes via 41st Street and proposed School Entrance Road at minimum.
- Limit full Cliff Avenue closures while Lincoln High School classes are
 in session to night and weekends until the start of summer break. If
 Day time closures are required they may not occur during school drop
 off or pick up and limited to 4 hrs. Daytime closures will require
 Engineer approval and coordination with Lincoln High School.
- Maintain access to Parks, residences, and business at all times.
- Trail Closure limited to Lincoln High School summer break. Coordinate closures with City of Sioux Falls.
- I-229 will maintain two lanes of traffic in each direction at all times.
- Detours will be installed as shown on the plans prior to closing any intersections or driveways.
- Through intersections, the Contractor's pavement installation sequence will correspond with joint details shown in Section F.
- The term "pavement" is used within in these Section C notes / plans only to simply refer to the surfacing for the project, to imply the barriers, sidewalk, medians would be installed during the "pavement" installation. Refer to Sections B and F for surfacing details.
- The movable barriers that are to be installed along the 41st Street and I-229 ramp pavements, are intended to be included in the term "pavement" that is used within these Section C notes / plans.
- The terms "bridge", "structures", "crash strut", "bent", "deck", "girder", etc. are used within in these Section C notes / plans only to simply refer to the Section E items of work. Refer to Section E for all bridge and structural work that will be completed for this project.
- Additional traffic control moveable barrier has been included in the Estimate of Quantities to allow for any field determined installations of the barrier that may be required due to the Contractors methods and means to construct the roadways / streets, bridge and structures for the project.
- Miscellaneous lane closures that may be required within the limits of a
 phase, before or after that phase of the project occurs, will need to be
 pre-approved by the SDDOT prior to their installation. Quantities for
 these miscellaneous lane closures have been included in the "Field
 Determined" column of the traffic control quantity tables. Examples of
 when these miscellaneous lane closures may be required, would be
 for work involving bridge barriers, ramp barriers, medians, sidewalks,
 utilities, etc.



TRAFFIC CONTROL MOVABLE CONCRETE BARRIERS

Concrete barriers will be provided by the State and are available for pickup from either the SDDOT Maintenance Yard located at the NW quadrant of the intersection of W. 69th Street and Solberg Avenue, Sioux Falls, or the SDDOT Main Yard located at 5316 W 60th Street N, Sioux Falls, or located on the project site remaining from the previous temp bridge project. The barriers will be hauled back to the original SDDOT yard when they are no longer needed on the project, and for winter storage. It is estimated that there will be 144 sections available at the Maintenance Yard and 330 sections available in 2025 and an additional 550 sections available in 2026 at the Main Yard.

Barriers to be adjusted or moved will be disconnected from adjacent barriers to minimize damage to connecting pins. Pins damaged by the Contractor will be replaced at no cost to the Department.

Concrete barrier sections will be placed as depicted in the plans to comply with clear zone requirements and as required by the Engineer. The barriers will be pinned and bolted together as directed by the Engineer.

All costs associated with picking the barriers up from the SDDOT Maintenance Yard or Main Yard, transporting, setting, connecting, and hauling them back to the SDDOT Maintenance Yard or Main Yard will be incidental to the contract unit price per each for "Traffic Control Movable Concrete Barrier".

After the initial placement, the concrete barriers may need to be adjusted. Adjustment of the barriers, where they do not need to be loaded on a truck for transport, will be incidental to the contract unit price per each for Traffic Control Movable Concrete Barrier. All costs associated with removing, loading, unloading, and resetting of the barriers at a new site, will be incidental to the contract unit price per each for Remove and Reset Traffic Control Movable Concrete Barrier. No additional payment will be made for barriers that are not immediately reset at a new location on the project and stored on-site until they are either reset on the project or returned to the SDDOT as indicated in these

Movable Concrete Barriers shall be used to separate I-229 head to head traffic on NB I-229 in Year 1 and on SB I-229 in Year 2 of construction.

Exit 3 Crossover: Phase 1

- Concrete barrier will be required on the shoulder closure for both the Northbound and Southbound direction of traffic on I-229 for the Exit 2 Exit 3 crossover installation
- Concrete barrier will be required on the inside shoulder for Northbound traffic on I-229

Exit 3 Crossover: Phase 2a

 Concrete barrier will be required on the outside shoulder closure for Northbound traffic on I-229

Exit 3 Crossover: Phase 2b

Concrete barrier will be required on the outside shoulder closure for Northbound traffic and on the inside shoulder for Exit 3 Ramp B on I-229.

Exit 3 Crossover: Phase 2c

 Concrete barrier will be required on the outside shoulder closure for Northbound traffic and the Ramp C closure of I-229.

Exit 3 Crossover: Phase 3a

• Concrete barrier will be required on the lane closure for Southbound traffic on Minnesota Ave.

Exit 3 Crossover: Phase 3b

Concrete barrier will be required on the lane closure for Northbound traffic on Minnesota Ave.

TEMPORARY CONCRETE BARRIER END PROTECTION

5 Crash attenuators meeting the requirements of NCHRP 350 or MASH TL-3 will be provided and installed by the Contractor. Attachment of the attenuators to the concrete barriers will be by approved methods. 2 will be used at Exit 4, and 3 to be used for Exit 3.

All costs associated with furnishing, transporting, initial setup, connecting, maintaining, and removing the crash attenuators will be incidental to the contract unit price per each for Temporary Concrete Barrier End Protection.

All costs associated with moving and resetting crash attenuators to accommodate traffic flows after initial set-up will be paid for at the contract unit price per each for Remove & Reset Temporary Concrete Barrier End Protection. All costs associated with removing from initial placement and resetting at a new location will be incidental to the contract unit price per each. No additional payment will be made for crash attenuators that are not immediately reset at a new location on the project and stored on-site until they are either reset or removed from the project as determined by the Engineer. No additional payment will be made for minor adjustments.

The Contractor will have replacement hardware available so that in the event the crash attenuator is hit and made unusable, the crash attenuator can be made functional within 24 hours. The cost of replacement will be incidental to the contract unit price per each for Temporary Concrete Barrier Module Set or Repair Kit. No payment will be made for the Temporary Concrete Barrier Module Set or Repair Kit if no repairs are necessary. Upon completion of the project, crash attenuators will remain the property of the Contractor.

TABLE OF TEMPORARY CONCRETE BARRIER END PROTECTION

Quantity

Unidirectional/

Station	Bidirectional	(Each)
Year 1		
177+95	Unidirectional	1
244+87	Unidirectional	1
Year 2	Reuse from Year 1	
179+04	Unidirectional	1
245+00	Unidirectional	1
Exit 3		
Phase 1		
123+09	Unidirectional	1
132+50	Unidirectional	1
156+35	Unidirectional	1
130+33	Official	1
Phase2	Reuse from Phase 1	
125+21	Unidirectional	1
146+56	Unidirectional	1
DI 01	D (D) 0	
Phase 2 b	Reuse from Phase 2 a	
155+73	Unidirectional	1
153+78	Unidirectional	1
Phase 2c	Reuse from Phase 2b	
139+36	Unidirectional	1
100.00		
	Payment Quantity	5

PROJECT SHEE1 STATE OF IM-B-CR 2292(101)3 C8 C107

Revised Date:

02/14/2025 NBG

TABLE OF TRAFFIC CONTROL MOVABLE CONCRETE BARRIERS

Station	Stage	Quantity (Each)
177+95 to 203+75	Year 1	206
213+04 to 244+87	Year 1	256
179+04 to 245+00	Year 2	521
Payme	nt Quantity	521

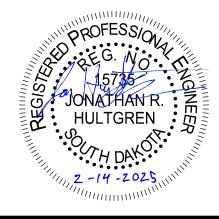
BARRIER MOUNTED LINEAR DELINEATION SYSTEM PANELS

A linear delineation system (LDS) panel will be attached to each barrier section. The color will be the same as the nearest pavement marking, white along outside edgelines or yellow for the left side on one way traffic sections. The LDS will be 34 inches long and 6 inches in height and be constructed of aluminum formed into a shape to provide retroreflective properties across a wide range of angles. It will be sheeted with sheeting meeting the requirements of ASTM D4956 Type XI. The panels will be evenly spaced, with the top of the panel 4 inches below the top of the barrier. Installation will be as per the manufacturer's recommendations. This will allow for easy removal for replacement of damaged panels or to replace with an alternate color. The Contractor will furnish and install one panel along each side of the barrier if any panels are missing from the barriers. Replacement of damaged linear delineation system panels will be furnished and replaced by the Contractor. All costs associated with furnishing, installing, and replacing, if needed, will be incidental to the contract unit price per each for Linear Delineation System Panel. Barrier Mounted.

All LDS panels will remain attached to the barrier sections and will become the property of the State of South Dakota upon completion of the project.

The Contractor will verify the number of LDS panels that will need to be installed or replaced on the Traffic Control Movable Concrete Barriers. The contract amount of LDS panels is an estimate and the full contract amount may not be

Maintaining the linear delineation system, including moving LDS panels from one side of the barrier to the other side of the barrier to match the applicable color of the nearest pavement marking will be incidental to the contract lump sum price for Traffic Control, Miscellaneous.



 STATE OF SOUTH DAKOTA
 IM-B-CR 2292(101)3
 SHEET SHEETS
 TOTAL SHEETS

 C13
 C108

Plotting Date:

2/14/2025

Revised Date: 2/14/2025 Initials: NBG

	0	THER TRAFFIC	CONTROL QUA	ANTITIES (05HN	N: Exit 4)					
ltem	Unit	Year 1 Phase 1A	Year 1 Phase 1B	Year 1 Phase 1C	Year 1 Phase 1C Winter	Year 2 Phase 2A	Year 2 Phase 2B	Year 2 Phase 2C	Field Determined	Payment Quantity
			PCN 05HN - E	xit 4						
Tubular Marker	Each									
Temporary Raised Pavement Marker	Ft				1,918		5,439	5,316		12,673
Type C Advance Warning Arrow Board	Each		1	1			2	2		2
Linear Delineation System Panel, Barrier Mounted	Each									735 5
Remove Pavement Marking, 4" or Equivalent	Ft	36,800			2,000	600	7,300	800	3,680	51,180
Remove Pavement Marking, Arrow	Each				2					2
Traffic Control Movable Concrete Barrier	Each	462				521				521
Temporary Concrete Barrier End Protection	Each	2				2				2
Remove and Reset Traffic Control Movable Concrete Barrier	Each	46				52				98
Remove and Reset Temporary Concrete Barrier End Protection	Each									
Temporary Concrete Barrier End Protection Module Set or Repair Kit	Each									
Contractor Furnished Portable Changeable Message Sign	Each	6				6				6
Maintenance of Queue Detection System	Hour	40	40	40	20	40	40	40	12	272
Longitudinal Pedestrian Barricade	Ft									
Temporary Curb Ramp	Each									
Longitudinal Pedestrian Barrier	Ft					,				
Orange Plastic Safety Fence	Ft	1,600	1,600	1,600						1,600

	TYPE 3 BARRIO	ADES, 8' DOU	BLE SIDED (05H	IN: Exit 4)					
Description	Unit				PHASE				
Description		1A	1B	1C	1C Winter	2A	2B	2C	1
Lane Closure	Each	2	3	4					Î
Shoulder Closure	Each								Payment
Ramp Closure	Each				12			8	Quantity
Road Closure	Each	36	15	24		9	5	7	
Sidewalk Closure	Each	5	6	4	3		3	5	1
Field Determined	Each	5	5	5	5	5	5	5	
	Total :	48	29	37	20	14	13	25	48

	TEM	PORARY PAVE	MENT MARKIN	G (05HN: Exit 4)				
		634E0640							
Phase	Location	Continuous (White)	Continuous (Yellow)	10' Skip (White)	10' Skip (Yellow)	2' Skip (White)	2' Skip (Yellow)	24" Stop Bar	Arrow (White)
		(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(Ft)	(Each)
1A	NB I-229 Crossover	25,997		18,414					
1B									
1C									
1C Winter		966	953	1,370				92	
2A	SB I-229 Crossover	36,659		18,185		2,032			
2B									
2C									
	Field Determined	6,362	95	3,797					
	Total :	69,984	1,048	41,766		2,032			

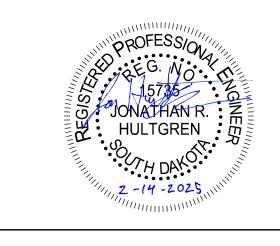


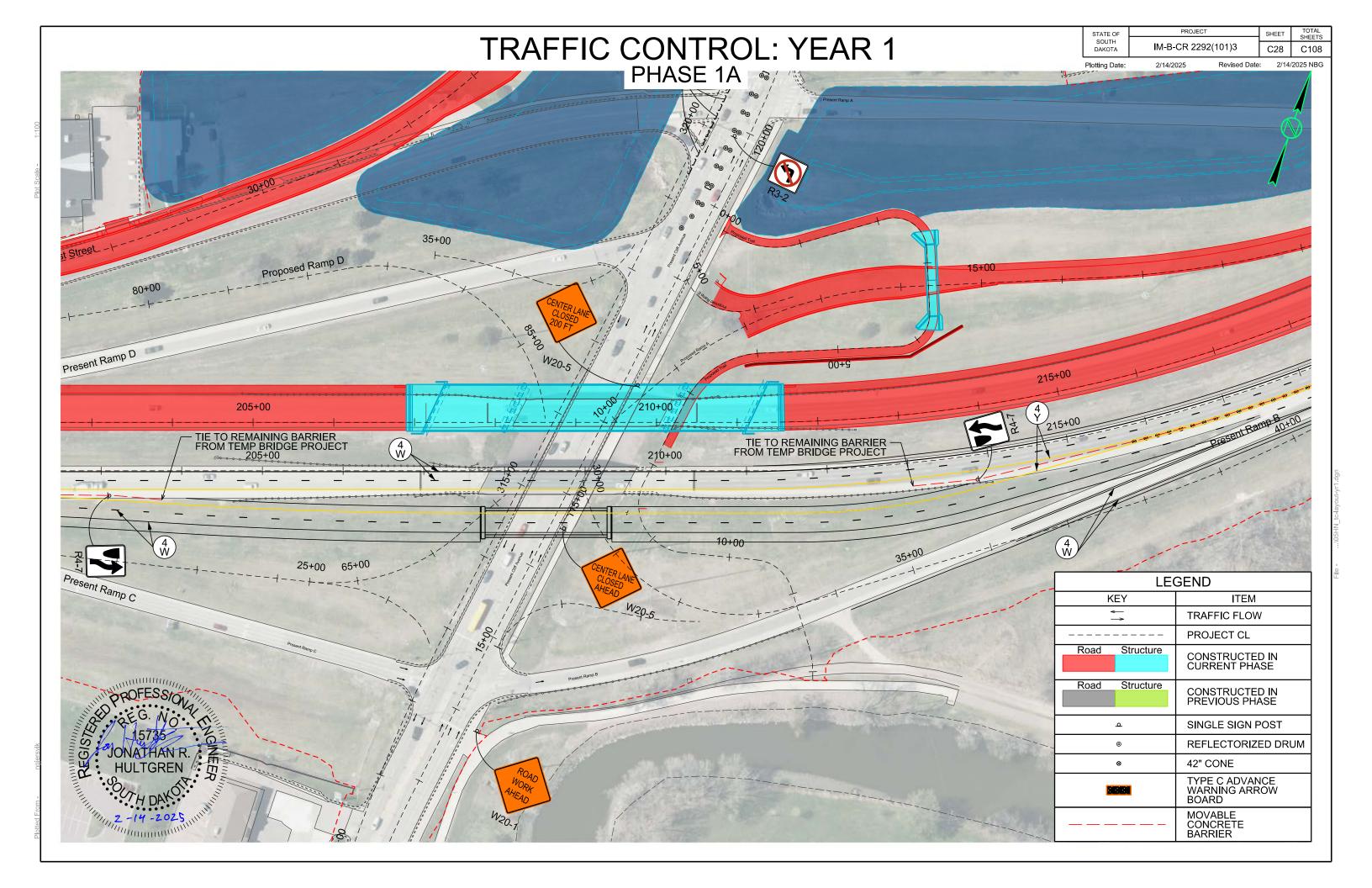
Revised Date: 02/14/2025 Initials: NBG

	OTHER	TRAFFIC CON	TROL QUANTIT	TES (05HN: Exi	t 3 Crossover)					
Item	Unit	Phase 1	Phase 2a	Phase 2b	Phase 2c	Phase 3a	Phase 3b	Phase 3c	Field Determined	Payment Quantity
		PCN	N 05HN - Exit 3	Crossover						
Tubular Marker	Each					7	21		3	24
Replace Tubular Marker	Each					1	2			2
Type C Advance Warning Arrow Board	Each				1					1
Linear Delineation System Panel, Barrier Mounted	Each	340							34	374
Remove Pavement Marking, 4" or Equivalent	Ft			3,756	5,157	500				9,413
Remove Pavement Marking, Arrow	Each					3				3
Traffic Control Movable Concrete Barrier	Each	340							34	374
Temporary Concrete Barrier End Protection	Each	3								3
Remove and Reset Traffic Control Moveable Concrete Barrier	Each		210	86	76	32	32			436
Remove and Reset Temporary Concrete Barrier End Protection	Each		2	2	1					5
Temporary Concrete Barrier End Protection Module Set or Repair Kit	Each	1								1
Contractor Furnished Portable Changeable Message Sign	Each	2				6				6
Maintenance of Queue Detection System	Hour	24	24	24	24				8	104
Longitudinal Pedestrian Barricade	Ft					8	8			8
Temporary Curb Ramp	Each					2	2			2
Longitudinal Pedestrian Barrier	Ft					280	280		28	308

	TYPE 3 BARRICADES	S, 8' DOUBLE S	IDED (05HN: Ex	it 3 Crossover)					
Description	Unit				PHASE				
Description	Office	1	2a	2b	2c	3a	3b	3c	
Lane Closure	Each				1				Payment
Shoulder Closure	Each	2	2	1					Quantity
Ramp Closure	Each				3				Quantity
Road Closure	Each							10	
Field Determined	Each	5	5	5	5	5	5	5	
	Total :	7	7	6	9	5	5	15	15

	Temporary Pavement Marking	(05HN: Exit 3	Crossover)			
			634	E0640		633E0040
Phase	Location	Continuous (White)	Continuous (Yellow)	2' Skip (White)	2' Skip (Yellow)	Arrow (White)
		(Ft)	(Ft)	(Ft)	(Ft)	(Each)
2b	NB I-229 : 151+95 to 164+48	2,504	1,252			
2c	NB I-229 : 120+00 to 151+84	3,731	1,426			
3a	Minnesota Ave	75		200	200	7
3b	Minnesota Ave				50	2
	Field Determined	631	268	20	25	
	Total :	6,941	2,946	220	275	9





SECTION S ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0100	Remove Concrete Footing(s)	Lump Sum	LS
110E0120	Remove Sign Bridge	3	Each
110E0130	Remove Traffic Sign	62	Each
110E0135	Remove Delineator	136	Each
110E0140	Remove Extruded Panel Sign	6	Each
110E5000	Salvage Sign Bridge	2	Each
110E5020	Salvage Traffic Sign	10	Each
110E7150	Remove Sign for Reset	25	Each
632E0014	1.75' Diameter Breakaway Support Concrete Footing	126.0	Ft
632E0072	4' Diameter Fixed Support Concrete Footing	38.0	Ft
632E1235	W6x20 Steel Post	353.9	Ft
632E1320	2.0"x2.0" Perforated Tube Post	1,296.3	Ft
632E1340	2.5"x2.5" Perforated Tube Post	51.5	Ft
632E2000	4"x4" Amber Delineator with 1.12 Lb/Ft Post	12	Each
632E2004	4"x8" Amber Delineator with 1.12 Lb/Ft Post	15	Each
632E2008	4" Tubular Amber Delineator with 1.12 Lb/Ft Post	4	Each
632E2020	4"x4" White Delineator with 1.12 Lb/Ft Post	44	Each
632E2024	4"x8" White Delineator with 1.12 Lb/Ft Post	98	Each
632E2028	4" Tubular White Delineator with 1.12 Lb/Ft Post	5	Each
632E2220	Guardrail Delineator	95	Each
632E2510	Type 2 Object Marker Back to Back	63	Each
632E2520	Type 2 Object Marker	2	Each
632E3115	Extruded Aluminum Sign, Nonremovable Copy Super/Very High Intensity	1,270.1	SqFt
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	306.7	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	325.5	SqFt
632E3500	Reset Sign	25	Each
632E5020	Overhead Cantilever Sign Support	3	Each
634E0275	Type 3 Barricade	3	Each

SECTION S ESTIMATE OF QUANTITIES (Exit 3 Crossover)

(Included in overall estimate of quantities table, for information only)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0100	Remove Concrete Footing(s)	Lump Sum	LS
110E0130	Remove Traffic Sign	6	Each
110E0135	Remove Delineator	17	Each
110E5000	Salvage Sign Bridge	2	Each
110E7150	Remove Sign for Reset	2	Each
632E0014	1.75' Diameter Breakaway Support Concrete Footing	28.0	Ft
632E1235	W6x20 Steel Post	71.0	Ft
632E1340	2.5"x2.5" Perforated Tube Post	51.5	Ft
632E2000	4"x4" Amber Delineator with 1.12 Lb/Ft Post	4	Each
632E2004	4"x8" Amber Delineator with 1.12 Lb/Ft Post	5	Each
632E2008	4" Tubular Amber Delineator with 1.12 Lb/Ft Post	4	Each
632E2020	4"x4" White Delineator with 1.12 Lb/Ft Post	4	Each
632E2024	4"x8" White Delineator with 1.12 Lb/Ft Post	12	Each
632E2028	4" Tubular White Delineator with 1.12 Lb/Ft Post	5	Each
632E2220	Guardrail Delineator	39	Each
632E2520	Type 2 Object Marker	2	Each
632E3115	Extruded Aluminum Sign, Nonremovable Copy Super/Very High Intensity	257.0	SqFt
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	42.5	SqFt
632E3500	Reset Sign	2	Each
634E0275	Type 3 Barricade	3	Each

STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	IM-B-CR 2292(101)3	S2	S91

GENERAL PERMANENT SIGNING

New sign installations will be staked in the field by the Contractor and checked by the Engineer. The Contractor will give the Engineer a minimum of one week to check staked locations prior to signpost installation. Lateral offset of signs will be as shown in the plans or as directed by the Engineer.

The Contractor will be responsible for contacting South Dakota One Call to locate the utilities at the staked sign installation locations.

When signs are mounted in an assembly, they will be 1-2 inches apart vertically and horizontally.

The height of the post must not exceed the minimum height needed by more than 0.5 feet. Any portion that extends above the sign will be cut off. No separate payment will be made for cutting the post or for that length cut off.

Aluminum U-Channel stiffeners will be used on all signs 36 inches or greater in width and will conform to ASTM B221 Alloy 6063-T6 or 6061-T6. The U-Channel will be 2 inches in width and free of holes. The U-Channel stiffeners will also be used to connect various signs together so that an entire sign assembly can be erected on a single installation. Stiffeners may be fastened to signs by use of 1/4-inch diameter drive rivets.

The Contractor will use 3/8-inch diameter rust proof machine sign bolts, flat metal washers, neoprene washers (against the sign sheeting), lock washers, and nuts to fasten the sign to the channel aluminum and posts. A minimum of two bolts will extend through each post.

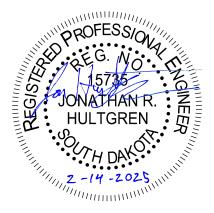
Prior to ordering signs, the Contractor will verify dimensions, background, border, and legend of the signs.

Prior to use, the Contractor will provide documentation for the sign support devices showing they meet the applicable NCHRP 350 or MASH requirements.

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.



STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	IM-B-CR 2292(101)3	S15	S91

Plotting Date: 2/14/2025 Revised Date: 2/14/2025 Initials: NBG

Alignm	nent T				Sign an	d Delineat	or Install F)ata			, ciman	ent Sign In:	Junation		Sign	and Dolin	eator Rem	nove/Reset	Data			Post Data			-	ooting D	ata
Aligilii	ient				Jigii an		T IIIStaii L		T 0	4"4"	4"4"	4"0"	4"0"		Sigii	and Delin	leator Ken	love/Reset	Data		Obsert Liebt (OL)	ı			- '	-ooting L	rata
			1	1				Extruded	Type 2	4"x4"	4"x4"	4"x8"	4"x8"	Cabiaaa	Caluana		Damassa				use Street Light (SL),	(F)ixed Base,	0.0"0.0"	Doot Circo		1'-9"	
			1	1		0	0	Aluminum Sign,	Object	Amber	White	Amber			Salvage		Remove				use Power Pole (PP),	Breakaway	2.0"x2.0"	Post Sizes			١,
			1		0:	Sign	Sign	Nonremovable		Delineator	ı		Delineator	Traffic	Traffic		Extruded				use Mast Arm (MA),	(S)lip Base,	Perforated		Remove	Dia.	41.5:-
			1	Sign	Sign	Area	Area	Copy Super/Very		with 1.12	with 1.12		with 1.12	Sign	Sign	Traffic	Panel	Sign for	Reset	Remove	use 1 Post (1P),	(A)nchor Stub			Concrete		4' Dia.
		a		Width	Height		VHI (XI)	High Intensity (XI)		Lb/Ft Post	Lb/Ft Post	Lb/Ft Post I			(SDDOT)	Sign	Sign	Reset	Sign	Delineator	, ,,	Post, or	Height	(Ft)	Footing(s)*		Fixed I
Station	Offset	Sign Description	Sign Code	(in)	(in)	(SqFt)	(SqFt)	(SqFt)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	Each)	(Each)	(Each)	(Each)	or use 3 Posts (3P)	(D)irect Drive	(Ft)	W6x20	(LS)	(Ft)	(Ft)
29 NORTH			1																								
178+00		4"x4" White Delineator (proposed)	Special	4	4						1											D		70.4		24.2	
183+23		Exit 4 Logo Sign (existing)	Existing	192	144														1					76.4		21.0	
183+28		4"x4" White Delineator (proposed)	Special	4	4						1											D					
188+56		4"x4" White Delineator (proposed)	Special	4	4						1											D					
189+71		Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1																		
189+71		Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													_					
190+23		4"x8" White Delineator (proposed	Special	4	8								1									D					
191+23	$\overline{}$	4"x8" White Delineator (proposed)	Special	4	8								1									D					
191+23		Exit 4 (proposed)	Special	114	30			23.8													MA						
		Cliff Avenue Exit Only R 60 Deg	Special	174	108			130.5													MA						19.0
194+43	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
		Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
197+00	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V		24		1.3	A													A	D	26.5				
197+25		Exit 4 R 60 Deg (proposed)	E5-1A	78	60			32.5													2P	A	32.0				
197+31		4"x8" White Delineator (proposed	Special	4	8								1									D					
197+56		4"x8" White Delineator (proposed	Special	4	8								1									D					
197+81		4"x8" White Delineator (proposed	Special	4	8								1									D					
198+06		4"x8" White Delineator (proposed	Special	4	8								1									D					
198+31		4"x8" White Delineator (proposed	Special	4	8								1									D					
199+12		4"x4" White Delineator (proposed)	Special	4	4						1											D					
201+88		Bridge Ices Before Road (folding) (proposed)	W8-13	48	48		16.0														2P	A	30.0				
204+40		Mle 4 (proposed)	D10-1	12	24	2.0															1P	A	9.5				
210+82		4"x4" White Delineator (proposed)	Special	4	4						1											D					
212+12		4"x4" White Delineator (proposed)	Special	4	4						1											D					
213+42		4"x4" White Delineator (proposed)	Special	4	4						1											D					
214+72		4"x4" White Delineator (proposed)	Special	4	4						1											D					
216+02		4"x4" White Delineator (proposed)	Special	4	4						1											D					
217+32		4"x4" White Delineator (proposed)	Special	4	4						1											D					
218+62		4"x4" White Delineator (proposed)	Special	4	4						1											D					
219+50		Added Lane Right (proposed)	W4-3R	48	48		16.0														2P	A	30.0				
222+42		4"x8" White Delineator (proposed)	Special	4	8								1									D					
223+06		Cardinal Direction North (proposed)	M3-1	36	18		4.5																				
		I-229 Route Sign (proposed)	M1-1P	45	36		11.3														2P	A	30.0				
226+10		26th Street 1/2 Mile Exit Only (proposed)	Special	186	108			139.5														MA					
		Exit 5 (proposed)	E1-5P	114	30			23.8														MA					19.0
226+52		4"x4" White Delineator (proposed)	Special	4	4						1											D					
227+79		4"x4" White Delineator (proposed)	Special	4	4						1											D					
229+06		4"x4" White Delineator (proposed)	Special	4	4						1											D					
230+36		4"x4" White Delineator (proposed)	Special	4	4						1											D					
230+54		Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
230+72		Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
231+37	R	Lane Ends Right (proposed)	W4-2R	48	48		16.0														2P	Α	30.0				
231+80		4"x4" White Delineator (proposed)	Special	4	4						1											D					
237+08	R	4"x4" White Delineator (proposed)	Special								1											D					
237+46		Type 2 Object Marker, Yellow (proposed)	OM2-2V						1													D					
		Type 2 Object Marker, Yellow (proposed)	OM2-2V						1													D					
242+36	R	4"x4" White Delineator (proposed)	Special	4	4						1											D					
\longrightarrow																											
- 1																											



STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	IM-B-CR 2292(101)3	S16	S91

Plotting Date: 2/14/2025 Revised Date: 2/14/2025 Initials: NBG

					-						Perman	ent Sign In	stallation	Table											_		
Alignm	nent				Sign and	d Delineat	or Install [I	T					Sign	and Delin	eator Ren	nove/Reset	Data			Post Data			F	ooting Data	
								Extruded	Type 2		4"x4"	4"x8"	4"x8"	Caluana	Caluana		Damaiia				use Street Light (SL),	(F)ixed Base,	0.0"0.0"	Doot Circo		1'-9"	
						Sign	Sign	Aluminum Sign, Nonremovable	Object Marker	Amber Delineator	White Delineator	Amber Delineator	White Delineator	Traffic	Salvage Traffic	Pemove	Remove Extruded	Pamova			use Power Pole (PP), use Mast Arm (MA),	Breakaway (S)lip Base,	Perforated	Post Sizes and	Remove	Dia.	5' - 6'
				Sign	Sign	Area	Area	Copy Super/Very			with 1.12	with 1.12	with 1.12	Sign	Sign	Traffic	Panel	Sign for	Reset	Remove	, ,,	(A)nchor Stub					Dia. Dia.
				Width	Height	HI (IV)	VHI (XI)			Lb/Ft Post		Lb/Ft Post		(City)	(SDDOT)	Sign	Sign	Reset		Delineator	, , ,	Post, or	Height	(Ft)	Footing(s)*		
Station	Offset	Sign Description	Sign Code	(in)	(in)	(SqFt)	(SqFt)	(SqFt)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	Each)	(Each)	(Each)	(Each)	or use 3 Posts (3P)	(D)irect Drive		W6x20	(LS)		t) (Ft)
I-229 SOUTH	HBOUND	· ·	, ,										` /				,		, ,		. ,						
179+73	L 4	4"x4" White Delineator (proposed)	Special	4	4						1											D					
185+01		4"x4" White Delineator (proposed)	Special	4	4						1											D					
188+84		Speed Limit 65 (proposed)	R2-1	48	60	20.0															2P	A	32.0				
190+27		I-229 SD115 Minnesota Ave 1/2 Mile Exit Only	Special	210	156			227.5														MA					
		(proposed) Exit 3 (proposed)	E5-1P	114	30			23.8														MA					18.0
190+29		4"x4" White Delineator (proposed)	Special	4	4			23.0			1											D					10.0
190+61		4"x8" White Delineator (proposed)	Special	4	8						· ·		1									D					
191+61		4"x8" White Delineator (proposed)	Special	4	8								1									D					
192+61	L 4	4"x8" White Delineator (proposed)	Special	4	8								1									D					
193+61		4"x8" White Delineator (proposed)	Special	4	8								1									D					
193+88		Cardinal Direction South (proposed)	M3-3P	36	18		4.5																0.1.0				
106106		I-229 Route Sign (proposed)	M1-1	45	36		11.3														2P	A	31.0				
196+26 200+86		Added Lane Right (proposed) 4"x4" White Delineator (proposed)	W4-3R Special	48	48		16.0				1										2P	A D	30.0				
200+66		Mle 4 (proposed)	D10-1	12	24	2.0																					
211+50		4"x4" White Delineator (proposed)	Special	4	4						1											D					
212+80		4"x4" White Delineator (proposed)	Special	4	4						1											D					
214+10	L 4	4"x4" White Delineator (proposed)	Special	4	4						1											D					
215+40		4"x4" White Delineator (proposed)	Special	4	4						1											D					
216+70		4"x4" White Delineator (proposed)	Special	4	4						1											D					
217+04		Bridge Ices Before Road (folding) (proposed)	W8-13	48	48		16.0														2P	A	30.0				
218+00		4"x4" White Delineator (proposed)	Special	4	4						1											D					-
219+30 219+51		4"x4" White Delineator (proposed) 4"x8" White Delineator (proposed)	Special Special	4	8						1		1									D D					
219+76		4"x8" White Delineator (proposed)	Special	4	8								1									<u> </u>					
220+01		4"x8" White Delineator (proposed)	Special	4	8								1									D					
220+26		4"x8" White Delineator (proposed)	Special	4	8								1									D					
220+51		4"x8" White Delineator (proposed)	Special	4	8								1									D					
220+57		Exit 4 R 60 Deg (proposed)	E5-1A	78	60			32.5													2P	A	32.0				
220+66		4"x4" White Delineator (proposed)	Special	4	4						1											D					
220+82		Type 2 Object Marker, Yellow (proposed)	OM2-2V	8	24		1.3				4											<u> </u>					-
225+94 226+03		4"x4" White Delineator (proposed) 4"x8" White Delineator (proposed)	Special Special	4	8						1		1									D D					
227+03		4"x8" White Delineator (proposed)	Special	4	8								1									D D					
227+26		4"x4" White Delineator (proposed)	Special	4	4						1											D					
228+03		4"x8" White Delineator (proposed)	Special	4	8								1									D					
228+56	L 4	4"x4" White Delineator (proposed)	Special	4	4						1											D					
229+03		4"x8" White Delineator (proposed)	Special	4	8								1									D					
229+86		4"x4" White Delineator (proposed)	Special	4	4						1											D					
230+03		4"x8" White Delineator (proposed)	Special	4	8								1									D					
230+11		Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
230+25 231+03		Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed)	OM2-2V Special	6	12 8				1				1									D D					
232+03		4"x8" White Delineator (proposed)	Special	4	8								1									D					
232+54		4"x4" White Delineator (proposed)	Special	4	4						1		·									D					
233+03		4"x8" White Delineator (proposed)	Special	4	8								1									D					
234+02	L 4	4"x8" White Delineator (proposed)	Special	4	8								1									D					
235+02		4"x8" White Delineator (proposed)	Special		8								1									D					
235+57		Cliff Ave R 60 Deg	Special	150				87.5																00.5		110	
007.00		Exit 4 (proposed)	E5-1A	114				23.8			4													38.8		14.0	
237+82 240+97		4"x4" White Delineator (proposed) Exit 4 Logo Sign (existing)	Special Existing	192	144			192.0			1								1			D		73.3		21.0	
240+97		Exit 4 Logo Sign (existing) 4"x4" White Delineator (proposed)	Special	4				192.0			1								1			D		13.3		21.0	
251+47		Cliff Ave 1/2 Mile (proposed)	Special	125				52.1																			
		Exit 4 (proposed)	E5-1A	114	30			23.8																32.0		14.0	
		<u> </u>																									
					Subtotal			663.0	2		19		19								SPOFESSION TO		155.0	144.1		49.0	18

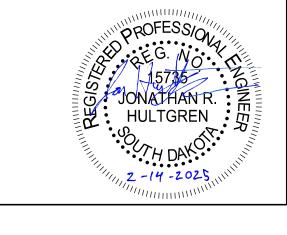
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JONATHANR. ZEG. NO. 15735 JONATHANR. ZEG. NO. 15735 HULTGREN JON

STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	IM-B-CR 2292(101)3	S17	S91

2/14/2025 NBG Revised Date: Initials: Plotting Date: 2/14/2025

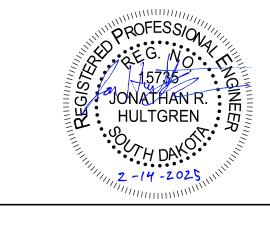
											Permana	ent Sian I	nstallation	1 Table											Initial		NBG
Alignm	nent				Sign an	d Delineate	or Install D	Data			reman	ont Oigh i	istaliatioi	Table	Sign	and Delin	eator Ren	nove/Reset	Data			Post Data				Footing D	Data
				Sign	Sign	Sign Area	Sign Area	Extruded Aluminum Sign, Nonremovable Copy Super/Very	Back to	Amber Delineator with 1.12	with 1.12	with 1.12	with 1.12	Traffic Sign	Salvage Traffic Sign	Remove Traffic	Remove Extruded Panel	Remove Sign for		Remove	use Street Light (SL), use Power Pole (PP), use Mast Arm (MA), use 1 Post (1P),	(F)ixed Base, Breakaway (S)lip Base, (A)nchor Stub	2.0"x2.0" Perforated Tube Post	Post Sizes and Quantities	Remove Concrete	1'-9" Dia. Break-	5
				Width		HI (IV)	VHI (XI)	High Intensity (XI)					Lb/Ft Post		(SDDOT)	Sign	Sign	Reset	Sign	Delineator		Post, or	Height	(Ft)		away	
	Offset	Sign Description	Sign Code	(in)	(in)	(SqFt)	(SqFt)	(SqFt)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	Each)	(Each)	(Each)	(Each)	or use 3 Posts (3P)	(D)irect Drive	(Ft)	W6x20	(LS)	(Ft)	(Ft)
		OFF-RAMP (RAMP A) Do Not Enter (proposed)	R5-1	T 20	36		9.0														1P		140				
10+29 11+96		Double Arrow (proposed)	W12-1	36 36	36		9.0														1P	A	14.0 14.0				
12+39		4"x8" White Delineator (proposed)	Special	4	8		9.0						1								IF	D	14.0				
13+39		4"x8" White Delineator (proposed)	Special	4	8								1									D					
14+03	L	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
14+30	L	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
14+30	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
14+39		4"x8" White Delineator (proposed)	Special	4	8								1									D					
14+48	<u> </u>	Type 2 Object Marker, Yellow (proposed)	OM2-2V		12				1 1													D				-	+
14+48	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V		12				1												4D	D	12.5			-	+
14+97 15+20	L	Wrong Way (proposed) Logo Sign (existing)	R5-1A Existing	42 120	30 84		8.8												1		1P	A	13.5	31.2		14.0	
15+39	ᆫ	4"x8" White Delineator (proposed)	Special	4	8								1									D		51.2		17.0	
16+39		4"x8" White Delineator (proposed)	Special	4	8								1									D					
17+21	R	Advance Intersection Lane Control (proposed)	R3-8ABLA	54	30																2P	A	13.5				
17+21		Advance Intersection Lane Control (proposed)	R3-8ABLA	54	30																2P	A	13.5				
17+39		4"x8" White Delineator (proposed)	Special	4	8								1									D					
18+39		4"x8" White Delineator (proposed)	Special	4	8								1									D					\vdash
19+39		4"x8" White Delineator (proposed)	Special	4	8				4				1									D				-	+
19+59 19+97	R R	Type 2 Object Marker, Yellow (proposed) 4"x8" Amber Delineator (proposed)	OM2-2V Special	6	12 8				1			1										D D				-	+
20+22		4"x8" Amber Delineator (proposed)	Special	4	8							1										D				=	
20+22		4"x8" White Delineator (proposed)	Special	4	8							'	1									D D					
20+47		4"x8" Amber Delineator (proposed)	Special	4	8							1	·									D					
20+72		4"x8" Amber Delineator (proposed)	Special	4	8							1										D					
20+97		4"x8" Amber Delineator (proposed)	Special	4	8							1										D					
21+39		4"x8" White Delineator (proposed)	Special	4	8								1									D					
22+33		4"x4" White Delineator (proposed)	Special	4	4				1													D					
22+39		4"x8" White Delineator (proposed)	Special	4	8								1									<u> </u>				-	\vdash
23+39 23+70		4"x8" White Delineator (proposed) 4"x4" White Delineator (proposed)	Special Special	4	8				1				1									D D				\vdash	
24+39		4"x8" White Delineator (proposed)	Special	4	8				'				1									D				\vdash	
25+00	ī	4"x4" White Delineator (proposed)	Special	4	4				1				'									D					
25+38		4"x8" White Delineator (proposed)	Special	4	8								1									D					
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STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	IM-B-CR 2292(101)3	S18	S91

Plotting Date: 2/14/2025 Revised Date: 2/14/2025 Initials: NBG

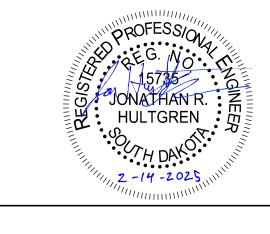
											Perman	ent Sign Ir	nstallatio	n Table													
Alignm	nent				Sign and	d Delineat	or Install [1							Sign	and Delin	eator Ren	nove/Reset	Data			Post Data				Footing D	Data
				Sign Width	Sign	Sign Area	Sign Area	Extruded Aluminum Sign, Nonremovable Copy Super/Very	Back to	Amber Delineator with 1.12	with 1.12	with 1.12	4"x8" White Delineator with 1.12 Lb/Ft Post	Traffic Sign	Salvage Traffic Sign (SDDOT)	Traffic	Remove Extruded Panel	Sign for		Remove	use Street Light (SL), use Power Pole (PP), use Mast Arm (MA), use 1 Post (1P),	(F)ixed Base, Breakaway (S)lip Base, (A)nchor Stub			Remove Concrete		4' Dia.
Station	Offset	Sign Description	Sign Code		Height (in)	HI (IV) (SqFt)	(SqFt)	High Intensity (XI) (SqFt)	Back (Each)	(Each)	(Each)	(Each)	(Each)	(City) (Each)	(Each)	Sign (Each)	Sign Each)	Reset (Each)	Sign (Each)	Delineator (Each)	use 2 Posts (2P), or use 3 Posts (3P)	Post, or (D)irect Drive	Height (Ft)	(Ft) W6x20	Footing(s)* (LS)	away (Ft)	Fixed F (Ft)
29 NORTH	BOUND	ON-RAMP (RAMP B)	Oigil Code	(111)	1 (111)	T (Odiri)	(Oqi t)	(Oqi t)	(Lacii)	(Lacii)	(Lacii)	(Lacii)	(Lacii)	(Lacii)	(Lacii)	(Lacil)	Lacii)	(Lacii)	(Lacii)	(Lacii)	01 436 0 1 0313 (01)	(D)liect Dilve	(1 ()	VV0X20	(LO)	(1 ()	(1 ()
30+28	L	Cardinal Direction North (proposed)	M3-1P	24	12	2.0																					
	L	I-229 Route Sign (proposed)	M1-1P	45	36	11.3																					
	L	Diagonal Upward Arrow (plaque) (proposed)	M6-2PL	21	15	2.2															2P	Α	31.0				
30+30		Keep Left (proposed)	R4-8	24		5.0															1P	A	13.5				
31+41 32+11	R L	Merge Right (proposed) Type 2 Object Marker, Yellow (proposed)	W4-1R OM2-2V	36 6	36 12		9.0		1												1P	A D	14.0				
32+90		4"x8" White Delineator (proposed)	Special	4	8								1									D					
33+26	L	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1				·									D					
33+45	L	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
33+45	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
33+62	<u>L</u>	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
33+62 33+90	R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed)	OM2-2V Special	4	12 8				1				1									D D					
34+90		4"x8" White Delineator (proposed)	Special	4	8								1									D					
35+90		4"x8" White Delineator (proposed)	Special	4	8								1									D					
36+90		4"x8" White Delineator (proposed)	Special	4	8								1									D					
37+90		4"x8" White Delineator (proposed)	Special	4	8								1									D					
38+83	L	4"x4" Amber Delineator (proposed)	Special	4	4					1												D					
38+90		4"x8" White Delineator (proposed)	Special	4	8					4			1									D					
39+84 39+90		4"x4" Amber Delineator (proposed) 4"x8" White Delineator (proposed)	Special Special	4	8					1			1									D D					
40+84		4"x4" Amber Delineator (proposed)	Special	4	4					1			1									D					
40+90		4"x8" White Delineator (proposed)	Special	4	8								1									D					
41+84		4"x4" Amber Delineator (proposed)	Special	4	4					1												D					
41+90		4"x8" White Delineator (proposed)	Special	4	8								1									D					
42+74	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D				\longrightarrow	
42+90 43+69		4"x8" White Delineator (proposed) 4"x4" White Delineator (proposed)	Special Special	4	8 4						1		1									D D					
43+82		Right Lane Ends (proposed)	W1-9R	48	48		16.0				-											Ь					
43.02	R	1000 Feet (proposed)	W16-2P	30	24		5.0														2P	A	34.0				
43+90	R	4"x8" White Delineator (proposed)	Special	4	8								1									D					
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STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	IM-B-CR 2292(101)3	S19	S91

Revised Date: Initials: 2/14/2025 NBG Plotting Date: 2/14/2025

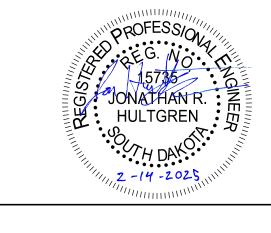
											Perman	ent Sign I	nstallatio	n Table														
Alignr	nent				Sign an	d Delineat	or Install [Data							Sign	and Delin	eator Ren	nove/Rese	t Data			Post Data				Footing D	Jata	\Box
				Sign	Sign	Sign Area	Sign Area	Extruded Aluminum Sign, Nonremovable Copy Super/Very	Back to	Amber Delineator with 1.12		with 1.12	with 1.12	Sign	Traffic Sign	Traffic	Remove Extruded Panel	Sign for	Reset	Remove	use Street Light (SL), use Power Pole (PP), use Mast Arm (MA), use 1 Post (1P),	(S)lip Base, (A)nchor Stub	Perforated Tube Post				4' Dia.	5' - 6" Dia.
Station	Offcot	Sign Description	Sign Code	Width	Height (in)	HI (IV) (SqFt)	VHI (XI) (SqFt)	High Intensity (XI)	Back (Each)		Lb/Ft Post (Each)	(Each)			(SDDOT)	Sign (Each)	Sign	Reset	Sign (Fach)	Delineator	use 2 Posts (2P),	Post, or	Height (Ft)	(Ft)	Footing(s)*	away (Ft)		Fixed
Station I-229 NORT	Offset HBOUND	Sign Description OFF-RAMP (RAMP C)	Sign Code	(in)	(in)	(SqFt)	(SqFt)	(SqFt)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	Each)	(Each)	(Each)	(Each)	or use 3 Posts (3P)	(D)irect Drive	(Ft)	W6x20	(LS)	(Ft)	(Ft)	(Ft)
51+00		4"x8" White Delineator (proposed)	Special	4	8								1									П						
52+00	R	4"x8" White Delineator (proposed)	Special	4	_								1									D						
52+62	R	4"x4" White Delineator (proposed)	Special	4	4						1											D						
53+00	R	4"x8" White Delineator (proposed)	Special	4									1									D						
53+22	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D			-	\longrightarrow	-	
54+00 54+19	R R	4"x8" White Delineator (proposed) Type 2 Object Marker, Yellow (proposed)	Special OM2-2V	6	12				1				1									D D				\vdash	-	
55+00	R	4"x8" White Delineator (proposed)	Special	4	8								1									D						
55+88	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D						
56+00	R	4"x8" White Delineator (proposed)	Special	4	8								1									D						
56+08	L	4"x8" Amber Delineator (proposed)	Special	4	_							1										D						
56+33	L	4"x8" Amber Delineator (proposed)	Special	4	8				4			1										D D						
56+38 56+58	R	Type 2 Object Marker, Yellow (proposed) 4"x8" Amber Delineator (proposed)	OM2-2V Special	6	12 8				1			1										D						
56+83	- -	4"x8" Amber Delineator (proposed)	Special	4	8							1										D						
57+00	R	4"x8" White Delineator (proposed)	Special	4	8								1									D						
57+08	L	4"x8" Amber Delineator (proposed)	Special	4	8							1										D						
58+00	R	4"x8" White Delineator (proposed)	Special	4	8								1									D						
58+22	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D				\longrightarrow	\rightarrow	
58+33 59+00	R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed)	OM2-2V Special	6 4	12 8				1				1									D D				\vdash	-	
59+13	L	Advanced Intersection Lane Control	R3-8ABLA		30	13.8															2P	A	13.5					
59+13	R	Advanced Intersection Lane Control	R3-8ABLA	_	30	13.8															2P	A	13.5					
60+00		4"x8" White Delineator (proposed)	Special	4									1									D						
61+00	R	4"x8" White Delineator (proposed)	Special	4	8								1									D						
61+13	R	Logo Sign (existing)	Special	120						_									1					31.2		14.0	\rightarrow	
61+13 61+82	R R	Wrong Way (proposed) Bridge Ices Before Road (folding) (proposed)	R5-1A W8-13	42 48	30 48		8.8 16.0														2P	A	30.0			-		
62+00		4"x8" White Delineator (proposed)	Special	4	8		10.0						1								21	D	00.0					
63+00	R	4"x8" White Delineator (proposed)	Special	4	8								1									D						
64+00	R	4"x8" White Delineator (proposed)	Special	4	8								1									D						
65+03	R	Double Arrow (proposed)	W12-1	36	36		9.0														1P	A	14.0			-	_	
\vdash			+			-				_																\leftarrow	-	
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					Suptota	I 27.6	33.8		6		1	5	14						1				71.0	31.2		14.0		



STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	IM-B-CR 2292(101)3	S20	S91

Revised Date: Initials: 2/14/2025 NBG Plotting Date: 2/14/2025

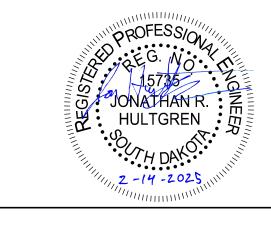
										Permane	ent Sign I	nstallatio	n Table											miliai		NDG	
Alignme	nt			Sign and	Delineat	or Install D	Data							Sign	and Delin	neator Ren	nove/Rese	t Data			Post Data			F	Footing D	ata	
Station (Offset Sign Description	Sign Code	Sign Width (in)	Sign Height (in)	Sign Area HI (IV) (SqFt)	Sign Area VHI (XI) (SqFt)	Extruded Aluminum Sign, Nonremovable Copy Super/Very High Intensity (XI) (SqFt)		with 1.12	4"x4" White Delineator with 1.12 Lb/Ft Post (Each)	with 1.12	with 1.12	Traffic Sign	Salvage Traffic Sign (SDDOT) (Each)	Remove Traffic Sign (Each)	Remove Extruded Panel Sign Each)	Remove Sign for Reset (Each)	Reset Sign (Each)	Remove Delineator (Each)	use Street Light (SL), use Power Pole (PP), use Mast Arm (MA), use 1 Post (1P), use 2 Posts (2P), or use 3 Posts (3P)	(F)ixed Base, Breakaway (S)lip Base, (A)nchor Stub Post, or (D)irect Drive	Perforated Tube Post Height		Remove Concrete Footing(s)* (LS)		4' Dia. Fixed F	5' - 6" Dia. Fixed (Ft)
	BOUND ON-RAMP (RAMP D)	1 0.9.1 00.00	()	()	(04.1)	(04.1)	(04.1)	(200)	(20011)	(=====)	(2001)	(2001)	(20011)	(2001)	(2001)		(2001)	(200)	(2001)	0. 400 0 . 00.0 (0.)	(2)	()	110,20	(=0)	(, ,	(, ,	(. 1)
70+84	L 4"x8" White Delineator (proposed)	Special	4	8								1									D						
71+82	L 4"x4" White Delineator (proposed)	Special	4	4						1											D						
71+84	L 4"x8" White Delineator (proposed)	Special	4									1									D				\longrightarrow	\rightarrow	
72+56 72+84	R 4"x4" Amber Delineator (proposed) L 4"x8" White Delineator (proposed)	Special Special	4	8					1			1									D D				\rightarrow	+	
73+56	R 4"x4" Amber Delineator (proposed)	Special	4	4					1												D						
73+74	L Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D						
73+84	L 4"x8" White Delineator (proposed)	Special	4	8								1									D						
73+85	L Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D						
	R 4"x4" Amber Delineator (proposed)	Special	4	4					1			-									D D				\longrightarrow	-	
74+84 75+56	L 4"x8" White Delineator (proposed) R 4"x4" Amber Delineator (proposed)	Special Special	4	8					1			1									D D						
75+84	L 4"x8" White Delineator (proposed)	Special	4	_								1									D						
76+84	L 4"x8" White Delineator (proposed)	Special	4	8								1									D						
77+84	L 4"x8" White Delineator (proposed)	Special	4									1									D						
78+84	L 4"x8" White Delineator (proposed)	Special	4									1									D	110			\longrightarrow	-	
79+20 79+20	L Single Lane Transition (proposed) R Single Lane Transition (proposed)	W4-8 W4-8	36 36	36 36		9.0														1P 1P	A	14.0 14.0			\rightarrow	-	
79+20	L 4"x8" White Delineator (proposed)	Special	4	8		9.0						1								IP	D	14.0					
80+84	L 4"x8" White Delineator (proposed)	Special	4	8								1									D						
81+70	L Lanes Merge (proposed)	W9-4	36	36		9.0														1P	Α	14.0					
81+70	R Lanes Merge (proposed)	W9-4	36	36		9.0														1P	A	14.0					
81+84	L 4"x8" White Delineator (proposed)	Special	4	8								1									D						
82+84	L 4"x8" White Delineator (proposed) R Type 2 Object Marker, Yellow (proposed)	Special	6	8				1				1									D D				\longrightarrow	-	
83+28 83+52	L Type 2 Object Marker, Yellow (proposed)	OM2-2V OM2-2V	6	12 12				1													D						
83+54	R Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D						
84+48	L Merge (proposed)	W4-1R	36	36		9.0														1P	Α	14.0					
85+54	L Narrow Keep Left (proposed)	R4-8c	18	30	3.8															1P	A	13.5					
85+71	R Cardinal Direction South (proposed)	M3-3	24	12	2.0																				\longrightarrow	-	
\vdash	R I-229 Route Sign (proposed) R Diagonal Upward Arrow (plague) (proposed)	M1-1P M6-2PL	45	36 15	11.3															2P		33.0			\rightarrow	-	
\vdash	R Diagonal Upward Arrow (plaque) (proposed)	IVIO-ZPL	21	15	2.2															ZP	A	33.0					
\vdash																									\rightarrow	-	
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				Subtotal	19.3	45.0		5	4	1		13										116.5					



STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	IM-B-CR 2292(101)3	S21	S91

Plotting Date: 2/14/2025 Revised Date: 2/14/2025 NBG

Alignr	ment				Sian an	d Dalinaat	or Install D	Nata			Permane	ent Sign in	stallation Tab		n and Delin	eator Rem	ove/Reset	t Data		I	Post Data				Footing D	lata	
Alighi	ment				Sign and	Delineat	Or Ilistali L	Extruded	Type 2	4"x4"	4"x4"	4"x8"	4"x8"				ove/Rese	Data		use Street Light (SL), use Power Pole (PP),	(F)ixed Base,	2 0">2 0"	Post Sizos	l	1'-9"	ala	
			1	1		Sign	Sign	Aluminum Sign, Nonremovable	Object Marker	Amber	White Delineator	Amber	White Salv Delineator Tra			Remove Extruded	Remove			use Mast Arm (MA),	Breakaway (S)lip Base,	2.0"x2.0" Perforated	1	Remove	Dia.		5' - 6
			1	Sign	Sign	Area	Area	Copy Super/Very			with 1.12				Traffic		Sign for	Reset	Remove	use 1 Post (1P),	(A)nchor Stub				Break-	4' Dia.	Dia
			1	Width	Height	HI (IV)	VHI (XI)		Back	Lb/Ft Post	Lb/Ft Post	Lb/Ft Post	Lb/Ft Post (Ci			Sign	Reset	Sign	Delineator		Post, or	Height	(Ft)		away		Fixe
Station	Offset	et Sign Description	Sign Code	(in)	(in)	(SqFt)	(SqFt)	(SqFt)	(Each)	(Each)	(Each)	(Each)	(Each) (Ea		(Each)	Each)	(Each)	(Each)	(Each)	or use 3 Posts (3P)	(D)irect Drive		W6x20	(LS)	(Ft)	(Ft)	(Ft)
1-229 SOUT	THBOUN	IND OFF-RAMP (RAMP E)																									
5+24	R	r caccaran (proposed)	W11-2	36										SE	E SECTION	L FOR RE	REB INSTA	AL LATION	ı								
	R	Dangeria: Detrition of the April (proposed)	W16-7PR	21	15																						
5+36	_ <u> </u>	Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed)	W11-2 W16-7PL	36 21	36 15	-								SE	E SECTION	L FOR RE	RFB INSTA	ALLATION	I								
5+53		Yield (proposed)	R1-2	48	48		6.9													1P	I A	15.0					
6+20	L	4"x8" White Delineator (proposed)	Special	4	8		0.0						1								D	10.0					
		The state Seminator (propose)																									
		JND ON-RAMP (RAMP F)																									
15+36	R	Pedestrian (proposed)	W11-2	36		-								SE	E SECTION	L FOR RE	RFB INSTA	ALLATION	I								
15+47	R L	7	W16-7PL M3-3	21 24	15 12	2.0																					
10.47	L	I-229 Route Sign (proposed)	M1-1P	30	24	5.0																					
	L	Diagonal Upward Arrow (plaque) (proposed)	M6-2PR	21	15	2.2														1P	Α	15.5					
15+66	L	Pedestrian (proposed)	W11-2	36	36									SI	E SECTION	II FOR RE	REB INST	ΔΙΙΔΤΙΩΝ	ı								
	L		W16-7PR		15										0001101	· LI OKIKI	(1 0 11017	ALLA HOIV									
16+39	R	The Time Demicator (proposed)	Special	4	8								1								D	45.0					
	R	Yield (proposed)	R1-2	48	48 8		6.9						1							1P	A D	15.0			-		\vdash
17+35		4"x8" White Delineator (proposed)	Special	4	<u> </u>		_				_		1												=		
17+35 17+39	K	* * * * * * * * * * * * * * * * * * * *																									1
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17+39 -229 NORT	гнвоим	JND OFF-RAMP (RAMP G)																									
17+39 -229 NORT 25+39		Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1												D						
-229 NORT 25+39 25+63	THBOUN R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed)	Special	4	8	6.0			1				1								D D						
17+39 I-229 NORT 25+39	гнвоим	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed)	Special R6-1R	4 48	8 18	6.0	6.9		1				1							2P	D	33.0					
17+39 I-229 NORT 25+39 25+63	THBOUN R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed)	Special	4	8 18	6.0	6.9		1				1							2P 2P		33.0 33.0					
17+39 I-229 NORT 25+39 25+63 26+27	THBOUN R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed)	Special R6-1R R1-2	4 48 48	8 18 48		6.9		1				1								D A						
17+39 -229 NORT 25+39 25+63 26+27	THBOUN R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2	4 48 48 48 48 36	8 18 48 18 48 36				1				1	Si	EF SECTION	J. FOR RE	REB INSTA	ALL ATION			D A						
17+39 -229 NORT 25+39 25+63 26+27 26+30 26+40	THBOUN R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL	4 48 48 48 48 36 21	8 18 48 18 48 36 15				1				1	SE	EE SECTION	N L FOR RE	RFB INSTA	ALLATION			D A						
17+39 I-229 NORT 25+39 25+63 26+27 26+30	THBOUN R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2	4 48 48 48 48 36 21 36	8 18 48 18 48 36 15 36				1				1		EE SECTION						D A						
17+39 I-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49	THBOUN R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR	4 48 48 48 48 36 21 36 21	8 18 48 18 48 36 15 36 15	6.0			1				1								D A						
I-229 NORT 25+39 25+63 26+27 26+30 26+40	THBOUN R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) Yield (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W16-7PL W16-7PR R6-1L	4 48 48 48 48 36 21 36 21 48	8 18 48 18 48 36 15 36 15		6.9		1				1							2P	A A	33.0					
17+39 I-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49	THBOUN R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR	4 48 48 48 48 36 21 36 21	8 18 48 18 48 36 15 36 15	6.0			1				1								D A						
17+39 I-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49	THBOUN R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) Yield (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W16-7PL W16-7PR R6-1L	4 48 48 48 48 36 21 36 21 48	8 18 48 18 48 36 15 36 15	6.0	6.9		1				1							2P	A A	33.0					
17+39 I-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65	R R R L L L L L L L	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) Yield (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W16-7PL W16-7PR R6-1L	4 48 48 48 48 36 21 36 21 48	8 18 48 18 48 36 15 36 15	6.0	6.9		1				1							2P	A A	33.0					
17+39 1-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65	R R R L L L L L L L	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed)	Special R6-1R R1-2 R6-1R R1-2 R6-1R W11-2 W16-7PL W11-2 W16-7PR R6-1L R5-1 Special	4 48 48 48 48 36 21 36 21 48 36	8 18 48 18 48 36 15 36 15 18 36	6.0	9.0		1				1							2P 2P	A A	31.0					
17+39 1-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65 1-229 SOUT 35+22 35+42	R R R L L L L L L L	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed) Do Not Enter (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR R6-1L R5-1 Special R1-2	4 48 48 48 48 36 21 36 21 48 36	8 18 48 18 48 36 15 36 15 18 36	6.0	6.9		1				1							2P	A A D A	33.0					
I-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65 I-229 SOUT 35+22 35+42 36+22	FHBOUN R R R R L L L L L L L L L L L L L L L	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed) IND ON-RAMP (RAMP H) 4"x8" White Delineator (proposed) Yield (proposed) 4"x8" White Delineator (proposed)	Special R6-1R R1-2 R1-2 W11-2 W16-7PL W11-2 W16-7PL R5-1 Special R1-2 Special	4 48 48 48 48 36 21 36 21 48 36 44 48	8 18 48 48 36 15 36 15 36 15 8 48	6.0	9.0		1				1 1 1							2P 2P	A A D	31.0					
I-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65 I-229 SOUT 35+22 35+42 36+22 36+23	FHBOUN R R R R R L L L L L L L L L L L L L L	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed) IND ON-RAMP (RAMP H) 4"x8" White Delineator (proposed) 4"x8" White Delineator (proposed) Type 2 Object Marker, Yellow (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR R6-1L R5-1 Special R1-2 Special OM2-2V	4 48 48 48 48 36 21 36 21 48 36	8 18 48 18 48 36 15 36 15 36 15 8 8 48	6.0	9.0		1				1	SE	EE SECTION	N L FOR RE	RFB INSTA	ALLATION		2P 2P	A A D A	31.0					
17+39 -229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65 -229 SOUT 35+22 35+42 36+22	FHBOUN R R R R L L L L L L L L L L L L L L L	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed) IND ON-RAMP (RAMP H) 4"x8" White Delineator (proposed) Type 2 Object Marker, Yellow (proposed) Pedestrian (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR R6-1L R5-1 Special R1-2 Special OM2-2V W11-2	4 48 48 48 48 36 21 36 21 48 36 4 48 48 4 6	8 18 48 18 48 36 15 36 15 18 36 15 18 36	6.0	9.0		1				1	SE		N L FOR RE	RFB INSTA	ALLATION		2P 2P	A A D A	31.0					
I-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65 I-229 SOUT 35+22 35+42 36+22 36+23	FHBOUN R R R R L L L L L L L L R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed) Do Not Enter (proposed) IND ON-RAMP (RAMP H) 4"x8" White Delineator (proposed) Yield (proposed) Type 2 Object Marker, Yellow (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR R6-1L R5-1 Special R1-2 Special OM2-2V	4 48 48 48 48 36 21 36 21 48 36 4 48 48 4 48 4 5 6 6 7 7	8 18 48 18 48 36 15 36 15 18 36 15 18 36	6.0	9.0		1				1	SE	EE SECTION	N L FOR RE	RFB INSTA	ALLATION		2P 2P	A A D A	31.0					
17+39 I-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65 I-229 SOUT 35+22 35+42 36+22 36+23 37+11	FHBOUN R R R R L L L L L L L L R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed) IND ON-RAMP (RAMP H) 4"x8" White Delineator (proposed) Type 2 Object Marker, Yellow (proposed) Pedestrian (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR R6-1L R5-1 Special R1-2 Special OM2-2V W11-2 W16-7PR	4 48 48 48 48 36 21 36 21 48 36 44 48 4 6 36 21	8 18 48 48 36 15 36 15 18 36 15 26 15 36 15 36 15 36 15 18 36 15 18 36 15 18 36 18 18 18 18 18 18 18 18 18 18 18 18 18	6.0	9.0		1				1	SE	EE SECTION	N L FOR RE	RFB INSTA	ALLATION		2P 2P	A A D A	31.0					
I-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65 I-229 SOUT 35+22 35+42 36+22 36+23 37+11	FHBOUN R R R R L L L L L L L L R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed) IND ON-RAMP (RAMP H) 4"x8" White Delineator (proposed) Yield (proposed) 4"x8" White Delineator (proposed) Type 2 Object Marker, Yellow (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Diagonal Downward Arrow (plaque) (proposed) Cardinal Direction South (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR R6-1L R5-1 Special R1-2 Special OM2-2V W11-2 W16-7PL W11-2 W16-7PL W16-7PL M3-3	4 48 48 48 48 36 21 36 21 48 46 6 36 21 21 21 24	8 18 48 18 48 36 15 36 15 18 36 15 18 36 15 18 36 15 18 18 18 18 18 18 18 18 18 18 18 18 18	6.0	9.0		1				1	SE	EE SECTION	N L FOR RE	RFB INSTA	ALLATION		2P 2P	A A D A	31.0					
17+39 17+39 17+39 17+39 17-29 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65 1-229 SOUT 35+22 35+42 36+22 36+23 37+11 37+14	FHBOUN R R R R L L L L L L L L R R R R R R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed) IND ON-RAMP (RAMP H) 4"x8" White Delineator (proposed) Type 2 Object Marker, Yellow (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Cardinal Direction South (proposed) I-229 Route Sign (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR R6-1L R5-1 Special R1-2 Special OM2-2V W11-2 W16-7PR W11-2 W16-7PR W11-2 W16-7PR W11-1	4 48 48 48 48 36 21 36 21 48 36 21 48 36 21 48 4 4 4 2 2 2 3 6 2 1 2 1 2 1 2 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3	8 18 48 18 48 36 15 36 15 36 15 18 8 48 8 12 36 15 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	6.0	9.0		1				1	SE	EE SECTION	N L FOR RE	RFB INSTA	ALLATION		2P 2P 1P	A A A D D D D	31.0					
I-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65 I-229 SOUT 35+22 35+42 36+22 36+23 37+11 37+14	FHBOUN R R R R L L L L L L L L R R R R R R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed) IND ON-RAMP (RAMP H) 4"x8" White Delineator (proposed) Yield (proposed) Type 2 Object Marker, Yellow (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Cardinal Direction South (proposed) I-229 Route Sign (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR R6-1L R5-1 Special R1-2 Special OM2-2V W11-2 W16-7PL W11-2 W16-7PL W16-7PL M3-3	4 48 48 48 48 36 21 36 21 48 36 21 48 36 21 48 4 4 4 2 2 2 3 6 2 1 2 1 2 1 2 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3	8 18 48 18 48 36 15 36 15 18 36 15 18 36 15 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	6.0	9.0		1				1	SE	EE SECTION	N L FOR RE	RFB INSTA	ALLATION		2P 2P	A A D A	31.0					
I-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65 I-229 SOUT 35+22 35+42 36+22 36+23 37+11 37+14	FHBOUN R R R R L L L L L L L L R R R R R R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed) IND ON-RAMP (RAMP H) 4"x8" White Delineator (proposed) Type 2 Object Marker, Yellow (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Cardinal Direction South (proposed) I-229 Route Sign (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR R6-1L R5-1 Special R1-2 Special OM2-2V W11-2 W16-7PR W11-2 W16-7PR W11-2 W16-7PR W11-1	4 48 48 48 48 36 21 36 21 48 36 21 48 36 21 48 4 4 4 2 2 2 3 6 2 1 2 1 2 1 2 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3	8 18 48 18 48 36 15 36 15 36 15 18 8 48 8 12 36 15 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	6.0	9.0		1				1	SE	EE SECTION	N L FOR RE	RFB INSTA	ALLATION		2P 2P 1P	A A A D D D D	31.0					
-229 NORT 25+39 25+63 26+27 26+30 26+40 26+49 26+65 -229 SOUT 35+22 35+42 36+22 36+23 37+11 37+14	FHBOUN R R R R L L L L L L L L R R R R R R R	Type 2 Object Marker, Yellow (proposed) 4"x8" White Delineator (proposed) One Way Right (proposed) Yield (proposed) One Way Right (proposed) Yield (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) One Way Left (proposed) Do Not Enter (proposed) IND ON-RAMP (RAMP H) 4"x8" White Delineator (proposed) Type 2 Object Marker, Yellow (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Pedestrian (proposed) Diagonal Downward Arrow (plaque) (proposed) Cardinal Direction South (proposed) I-229 Route Sign (proposed)	Special R6-1R R1-2 R6-1R R1-2 W11-2 W16-7PL W11-2 W16-7PR R6-1L R5-1 Special R1-2 Special OM2-2V W11-2 W16-7PR W11-2 W16-7PR W11-2 W16-7PR W11-1	4 48 48 48 48 36 21 36 21 48 36 21 48 36 21 48 4 4 4 2 2 2 3 6 2 1 2 1 2 1 2 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3	8 18 48 18 48 36 15 36 15 36 15 18 8 48 8 12 36 15 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	6.0	9.0		1				1	SE	EE SECTION	N L FOR RE	RFB INSTA	ALLATION		2P 2P 1P	A A A D D D D	31.0					



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 STATE OF SOUTH DAKOTA
 PROJECT
 SHEET
 TOTAL SHEETS

 1M-B-CR 2292(101)3
 \$22
 \$91

Revised Date: 2/14/2025 NBG 2/14/2025 Plotting Date: Permanent Sign Installation Table Sign and Delineator Remove/Reset Data Sign and Delineator Install Data Post Data Footing Data Alignment 4"x4" 4"x8" use Street Light (SL), Extruded Type 2 4"x4" 4"x8" (F)ixed Base, Post Sizes Aluminum Sign, Object Amber White Amber White Salvage use Power Pole (PP), 2.0"x2.0" Salvage Breakaway Perforated 5' - 6" Delineator Delineator Delineator Delineator Traffic Remove Extruded Remove use Mast Arm (MA). (S)lip Base. and Dia. Sign Sign Nonremovable Marker Traffic Remove Sign Sign Area Area Copy Super/Very Back to with 1.12 | with 1.12 | with 1.12 | with 1.12 Sign Sign Traffic Panel Sign for Reset Remove use 1 Post (1P), (A)nchor Stub Tube Post Quantities Concrete Break-4' Dia. Dia. Lb/Ft Post Lb/Ft Post Lb/Ft Post Lb/Ft Post (SDDOT) Width Height HI (IV) VHI (XI) High Intensity (XI) Back (City) Sign Sign Reset Sign Delineator use 2 Posts (2P), Post, or Height (Ft) Footing(s)* away Fixed Fixed (in) (SqFt) (SqFt) (SqFt) (Each) (Each) (Each) (Each) (Each) (Each) (Each) (Each) Each) (Each) (Each) (Each) or use 3 Posts (3P) (D)irect Drive (Ft) W6x20 (LS) (Ft) (Ft) (Ft) Sign Description CLIFF AVENUE NORTHBOUND 107+04 R Speed Limit 30 (existing) R2-1 30 36 24 30 1P 16.5 No Parking (existing) R8-3 1 Α R Junction (plaque) (proposed) 107+63 M2-1P 21 15 2.2 I-229 Route Sign (proposed) M1-1 30 24 5.0 1P 14.3 R Road May Flood (proposed) 36 36 9.0 W8-18 R Right Lane Must Turn Right (existing) R3-7R 36 36 17.0 5.0 1P R4-7 24 30 13.5 Median Keep Right (proposed) Α 109+66 R No Parking (existing) R8-3 24 30 1 1P Δ 13.5 110+34 R Cardinal Direction South (proposed) M3-3 24 12 2.0 R I-229 Route Sign (proposed) M1-1P 30 24 5.0 2.2 Advance Turn Left Arrow (plaque) (proposed) M5-2PL 15 21 R Cardinal Direction North (proposed) 24 12 111+89 M3-3 R I-229 Route Sign (proposed) M1-1P 30 24 5.0 21 15 2.2 24 30 5.0 R Advance Turn Right Arrow (plaque) (proposed) M5-1PR 1P 15.5 116+33 Median Keep Right (proposed) R4-7 1P 13.5 119+07 Right Lane Must Turn Right (proposed) R3-7R 36 36 9.0 1P 14.0 R Type 2 Object Marker, Yellow (proposed) 6 12 OM2-2V Type 2 Object Marker, Yellow (proposed) 119+54 R OM2-2V 6 12 D R Type 2 Object Marker, Yellow (proposed) 6 119+67 OM2-2V 12 1 D R Type 2 Object Marker, Yellow (proposed) 6 119+73 OM2-2V 12 Type 2 Object Marker, Yellow (proposed) OM2-2V 6 12 120+25 R Type 2 Object Marker, Yellow (proposed) OM2-2V 6 12 120+64 D 12 124+08 M4-1P mod. 24 Primary (plaque) (proposed) 2.0 Truck Route (proposed) R R14-1 24 18 3.0 R Directional Arrow (plaque) (proposed) M6-3P 21 15 2.2 R No Parking (proposed) R8-3 24 30 5.0 1P 17.3 CLIFF AVENUE SOUTHBOUND 306+12 L Slippery When Wet (existing) Existing 36 36 Existing 24 18 When Icy or Wet (existing) Existing 1P Α 15.5 No Texting While Driving It's the Law (existing) Existing SL 307+72 L No Parking (existing) 24 30 1 1P 13.5 Existing Median One Way Right (proposed) 310+26 R6-1R 48 18 33.0 6.0 30 36 7.5 310+79 L Speed Limit 30 (proposed) R2-1 24 30 5.0 No Parking (proposed) R8-3 1P Α 16.5 Type 2 Object Marker, Yellow (proposed) 311+53 OM2-2V 6 12 Type 2 Object Marker, Yellow (proposed) OM2-2V 6 12 312+26 Pedestrian (proposed) W11-2 36 36 SEE SECTION L FOR RRFB INSTALLATION W16-7PL 21 15 Diagonal Downward Arrow (plaque) (proposed) L 314+58 24 30 5.0 13.5 Median Narrow Keep Right (proposed) R4-7c 36 1P 314+92 Do Not Enter R5-1 36 9.0 14.0 318+69 Type 2 Object Marker, Yellow (proposed) OM2-2V 6 12 D 319+50 Type 2 Object Marker, Yellow (proposed) OM2-2V 6 12 D 319+67 Type 2 Object Marker, Yellow (proposed) OM2-2V 6 12 319+80 Type 2 Object Marker, Yellow (proposed) OM2-2V 12 6 D D 6 12 320+03 Type 2 Object Marker, Yellow (proposed) OM2-2V 1 320+31 Cardinal Direction South (proposed) M3-3 24 12 2.0 I-229 Route Sign (proposed) M1-1P 30 24 5.0 M5-1PR 21 15 2.2 1P 15.3 Advance Turn Right Arrow (plaque) (proposed) OM2-2V 12 320+85 Type 2 Object Marker, Yellow (proposed) 6 D 24 12 2.0 321+45 Cardinal Direction North (proposed) M3-3 I-229 Route Sign (proposed) M1-1P 30 24 5.0 Advance Turn Left Arrow (plaque) (proposed) M5-2PL 21 15 2.2 15.3 321+96 Median Narrow Keep Right (proposed) R4-7c 24 30 5.0 1P 13.5 Type 2 Object Marker, Yellow (proposed) 323+41 OM2-2V 6 12 D 15 M2-1P 21 2.2 323+42 Junction (plaque) (proposed) 30 24 5.0 36 36 9.0 I-229 Route Sign (proposed) M1-1 1P Α 14.3 1P 326+01 L Right Lane Must Turn Right (proposed) R3-7R 36 Α 14.0

Subtotal 119.9

18.0

15

JONATHAN R.
HULTGREN

OTH DAX

313.3

 STATE OF SOUTH DAKOTA
 IM-B-CR 2292(101)3
 SHEET SHEETS
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 S91

Alignn		T			Class as a	Deliner	u laat-II 5	-4-			Permane	ent Sign Ir	nstallation	1 lable	01	and Dall's	anter Da	/B	. Date			Doot Dot					2040
- 1	nent		T	Т	Sign and	Delineato	or Install D		T 0	4"4"	4"4"	4"0"	4"0"		Sign	and Delin	eator Ren	nove/Reset	t Data		Otro at Liabt (OL)	Post Data			'	ooting D	Data
	•			Sign Width		Sign Area HI (IV)	VHI (XI)	Extruded Aluminum Sign, Nonremovable Copy Super/Very High Intensity (XI)	Back	Amber Delineator with 1.12 Lb/Ft Post	with 1.12 Lb/Ft Post	with 1.12 Lb/Ft Post	with 1.12 Lb/Ft Post	Traffic Sign (City)	Salvage Traffic Sign (SDDOT)	Traffic Sign	Panel Sign	Remove Sign for Reset	Reset Sign	Remove Delineator	use Street Light (SL), use Power Pole (PP), use Mast Arm (MA), use 1 Post (1P), use 2 Posts (2P),	(F)ixed Base, Breakaway (S)lip Base, (A)nchor Stub Post, or	Perforated Tube Post Height	Quantities (Ft)	Footing(s)*	away	4' Dia. Fixed
TRE	Offset	Sign Description	Sign Code	(in)	(in)	(SqFt)	(SqFt)	(SqFt)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	Each)	(Each)	(Each)	(Each)	or use 3 Posts (3P)	(D)irect Drive	(Ft)	W6x20	(LS)	(Ft)	(Ft)
0	<u></u>	No Parking Bus Stop (existing)	Existing																1		1P	l a	13.0				
2	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D	1,515				
9	L	Emergency Snow Route No Parking if Over 2 Inches (existing)	Existing																1		1P	А	13.0				
8	R	Emergency Snow Route No Parking if Over 2 Inches (existing)	Existing																1		SL						
8	R	No Parking Beyond This Point (Existing) No Parking Up To This Point	Existing Existing																1		SL SL						
7	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1												JL JL	D					
6	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
6	L	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
2	R	Right Lane Must Turn Right (proposed)	R3-7R	36	36	9.0															1P	Α	14.0				
0	L	Bus Stop Sign (existing)	Existing																								
_	L	Bus Stop Sign (existing)	Existing																1		1P	A	13.0				
7	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
2		Type 2 Object Marker, Yellow (proposed) Speed Limit 30 (proposed)	OM2-2V R2-1	30	12 36	7.5			1												1P	D A	14.0				
1	L	Secondary Truck Route (existing)	Existing	30	30	7.5															IF.		1-4.0				
+	Ĺ	No Parking (existing)	Existing																		SL						
2	L	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
3	R	Type 2 Object Marker, Yellow (proposed)	OM2-2V	6	12				1													D					
7	L	Right Lane Ends (proposed) Type 2 Object Marker, Yellow (proposed)	W9-1R OM2-2V	36	36 12		9.0		1												1P	A D	14.0				
DL EN	NTRANCE																										
16	- 1		Evieting																1		1D		12.5				
46 79	L	Compact Car Parking Only (existing)	Existing																1 1		1P 1P	A	12.5				
16 79 24	L R L		Existing Existing Existing																1 1 1		1P 1P SL	A A	12.5 12.0				
9.4	L	Compact Car Parking Only (existing) School Site Closed 10 PM to 5 AM (existing)	Existing																		1P						
79	L R L	Compact Car Parking Only (existing) School Site Closed 10 PM to 5 AM (existing) No Texting While Driving It's The Law (existing)	Existing Existing																1		1P SL	A	12.0				
9 4 8	L R L	Compact Car Parking Only (existing) School Site Closed 10 PM to 5 AM (existing) No Texting While Driving It's The Law (existing) Compact Car Parking Only (existing)	Existing Existing Existing																1		1P SL	A	12.0				
9 4 8 DAD	L R L	Compact Car Parking Only (existing) School Site Closed 10 PM to 5 AM (existing) No Texting While Driving It's The Law (existing) Compact Car Parking Only (existing)	Existing Existing Existing Existing Existing Existing																1		1P SL 1P	A	12.5				
9 4 8 DAD	L R L R	Compact Car Parking Only (existing) School Site Closed 10 PM to 5 AM (existing) No Texting While Driving It's The Law (existing) Compact Car Parking Only (existing) 2 Hr Parking 8 AM to 4 PM School Days (existing) Beyond This Point (existing)	Existing Existing Existing Existing Existing Existing																1		1P SL 1P	A	12.0				
99 44 88 8 PP 44 PP 45 P	L R L R	Compact Car Parking Only (existing) School Site Closed 10 PM to 5 AM (existing) No Texting While Driving It's The Law (existing) Compact Car Parking Only (existing) 2 Hr Parking 8 AM to 4 PM School Days (existing) Beyond This Point (existing) 2 Hr Parking 8 AM to 4 PM School Days (existing)	Existing Existing Existing Existing Existing Existing Existing Existing																1		1P SL 1P	A	12.0				
DAD	L R L R	Compact Car Parking Only (existing) School Site Closed 10 PM to 5 AM (existing) No Texting While Driving It's The Law (existing) Compact Car Parking Only (existing) 2 Hr Parking 8 AM to 4 PM School Days (existing) Beyond This Point (existing)	Existing Existing Existing Existing Existing Existing	30	30		5.2												1		1P SL 1P	A	12.0				
9 4 8 8 OAD 4	L R L R	Compact Car Parking Only (existing) School Site Closed 10 PM to 5 AM (existing) No Texting While Driving It's The Law (existing) Compact Car Parking Only (existing) 2 Hr Parking 8 AM to 4 PM School Days (existing) Beyond This Point (existing) 2 Hr Parking 8 AM to 4 PM School Days (existing)	Existing Existing Existing Existing Existing Existing Existing Existing	30	30		5.2												1		1P SL 1P	A A A	12.0 12.5 14.0 13.0				
DAD NTR	L R L R	Compact Car Parking Only (existing) School Site Closed 10 PM to 5 AM (existing) No Texting While Driving It's The Law (existing) Compact Car Parking Only (existing) 2 Hr Parking 8 AM to 4 PM School Days (existing) Beyond This Point (existing) 2 Hr Parking 8 AM to 4 PM School Days (existing)	Existing Existing Existing Existing Existing Existing Existing Existing	30	30 Subtotal				9										1		1P SL 1P	A A A	12.0 12.5 14.0 13.0				

JONATHAN R. ZEINGEN DAY

STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	IM-B-CR 2292(101)3	S77	S91

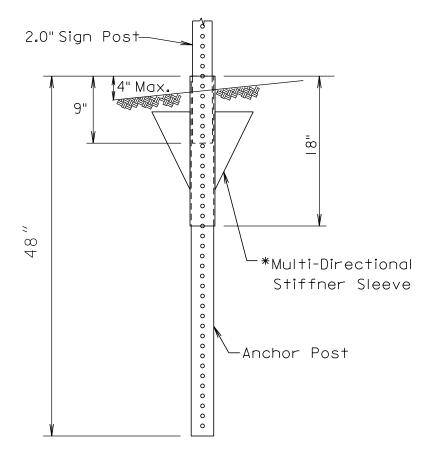
Plotting Date:

2/14/2025

Revised Date: Initials:

2/14/2025 NBG

2" SQUARE STEEL PERFORATED TUBE POST WINGED SLEEVE ANCHOR BASE DETAILS (Typical)



★ 18" Multi-directional Sleeve w/4 Blades, or Equivalent. Manufacturer Recommended Dimensions and Installation.

2"
21/4"
21/2"

