

- TRMI133

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	STATE OF	PROJECT	SHEET	TOTAL
	SOUTH DAKOTA	NH-CR 0034(193)402	S1	S14
	Plotting Date:	08/02/2024		
		INDEX OF SHEETS	5	
S1	<b>。</b>	General Layout with Index	а 9 Тан	
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	END S	HOULDER WIDE	VING	
	Station 4	51+96.16		

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#### SECTION S – ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0130	Remove Traffic Sign	51	Each
110E7150	Remove Sign for Reset	3	Each
632E1320	2.0"x2.0" Perforated Tube Post	406.8	Ft
632E1340	2.5"x2.5" Perforated Tube Post	185.5	Ft
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	277.8	SqFt
632E3205	Flat Aluminum Sign, Nonremovable Copy Super/Very High Intensity	268.3	SqFt
632E3500	Reset Sign	3	Each
632E3700	Radar Speed Sign	2	Each

#### **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.

#### **REMOVE SIGN FOR RESET AND RESET SIGN**

Signs that are scheduled for reset will be dismantled and reassembled to the extent needed by the Contractor to properly reset the sign. Signs will be handled with care so that the existing signs, posts, and bases are not damaged during the relocation process. The Contractor will replace and pay for any reset signs damaged in their care. The Contractor will remove and dispose of any existing posts for all reset signs that require use of new posts as shown in the Table of Permanent Signing.

All costs for removing, dismantling, and disposing of any existing posts will be incidental to the contract unit price per each for "Remove Sign for Reset". All costs for resetting the existing signs will be incidental to the contract unit price per each for "Reset Sign". All quantities for Remove Sign for Reset and Reset Sign will be per assembly at the contract unit price per each.

#### **NEW PERMANENT SIGNING**

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

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

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

#### RADAR SPEED SIGN

The radar speed signs must operate continually 24 hours a day, 7 days a week, all year round.

The static portion of the radar speed sign (YOUR SPEED) faceplate will have black legend on white ASTM D4956 Type IV sheeting with a minimum of 6" (height) lettering. The changeable message portion will have a black background with white or yellow LEDs.

The LED numeral height on the display must be a minimum of 12" for signs on roadways with speeds less than 45 mile per hour and a minimum of 18" for signs on roadways with speeds equal to or greater than 45 miles per hour.

The 12" speed display radar speed feedback sign will be a SAFEPACE EVOLUTION 12FM or equivalent.

The 18" speed display radar speed feedback sign will be a SAFEPACE 475 or equivalent.

### RADAR SPEED SIGN (CONTINUED)

The LEDs will have a polycarbonate protective cover.

The radar speed signs must contain a backup battery system of adequate design and capacity to provide operation during power outage. The batteries must be field replaceable and have a minimum of 5 years' service life. The batteries must be stored inside a weatherproof enclosure.

The radar speed signs will be equipped with adjustable angle brackets to attach the radar speed sign to the 2.5" square tube post(s).

The radar speed signs must detect all incoming vehicles. The radar speed sign assembly will be installed in conjunction with the appropriate R2-1 speed limit sign.

The radar speed signs will be programmed so that the feedback display does not flash at drivers at any time. The radar speed signs will also be programmed such that a strobe light is never displayed. The solar powered radar speed signs will provide a solid display of the speed of the driver followed by a solid display of "SLOW DOWN" as drivers exceed the speed limit in that area.

Any software required to setup or program the radar speed signs will be provided to the Mitchell Region Traffic Design Engineers at the South Dakota Department of Transportation in Mitchell, SD, 605-995-8129.

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

### DIGITALLY PRINTED SIGNS

specifications.

#### PROTECTIVE OVERLAY FILM

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

#### Table 1: Retroreflective Film Minimum Durability Requirements

ASTM D4956	Full Sign	Sheeting
Туре	Replacement Term	Replacement Term
	(years)	(years)
Ι	0	7
Ш	7	10
IV	7	10
VIII	7	10
IX	7	12
XI	7	12

STATE OF	PROJECT	SHEET	TOTAL SHEETS
DAKOTA	NH-CR 0034(193)402	S2	S14

The system will be self-contained with all components mounted within the housing and must be MUTCD compliant.

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

#### **DIGITALLY PRINTED SIGNS (CONTINUED)**

#### **DIGITALLY PRINTED SIGNS (CONTINUED)**

#### FABRICATION

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

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

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

#### TRAFFIC SIGN PERFORMANCE WARRANTY PROVISIONS

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

#### CERTIFIED DIGITAL SIGN FABRICATOR

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

#### DATE TAGGING SIGNS WITH PERTINENT INFORMATION

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

#### 1. Date tags on the back of signs

Tags will have the following information and be fabricated with material and printing system that are as durable as the warranted sign.

- Name of Sign Fabricator
- Date the sign was fabricated (month and year)
- Process that was used for sign fabrication (digitally printed)
- Supplier of sheeting that was used for fabricating the sign.

#### 2. Border date

The month and year (mm/yyyy) of sign fabrication will be printed in the border of the sign in 3/8" sans serif font. Border date will be printed with the same warranted printed system as the sign face. The date should be printed in the locations indicated below.



#### SQUARE TUBE ANCHOR SLEEVE

The Contractor will furnish and install new 2.5" x 2.5" x 18", 12 Gauge square tube anchor sleeve or equivalent components as approved by the Engineer for 2.0" x 2.0" perforated tube posts. A 2.25" x 2.25" x 4', 12 Gauge perforated tube post will be used as the anchor post for installation with the square tube anchor sleeve.

#### SQUARE TUBE POST SLEEVE

All 2.5" x 2.5", 10 Gauge perforated tube post will be sleeved with a 2-3/16" x 2-3/16" x 4', 10 Gauge perforated tube post.

#### WINGED SLIP BASE ANCHOR

The Contractor will furnish and install new winged slip base anchors for 2.5" x 2.5" perforated tube posts as required in the Permanent Signing Table. Winged slip base anchors will be installed using the direct drive method. Winged slip base anchors will consist of a slip base (upper), a 48-inch long winged anchor (lower), and a hardware kit.

#### MILEAGE REFERENCE MARKERS

Mileage Reference Markers (MRMs) are not to be disturbed. If an MRM is attached to a sign listed for replacement it will be salvaged and reattached to the new sign in the same location. Payment for this work will be incidental to the various signing contract items.

STATE OF	PROJECT	SHEET	TOTAL
SOUTH DAKOTA	NH-CR 0034(193)402	S3	S14

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					910													
					31	JIN IAD									DOGT	DATA		
		<b>T</b>		IDATA			1		N.I.					Т	POST			
STA	TION	REMOVE	FOR RESET &			SIGN		NEW SIG	uN.	SIGN		PC	DST	B∕	<b></b>	SIZE/QUA	ANT. {Ft}	
& OFFS	SET* {Ft}	SIGN ^	RESET SIGN <sup>^</sup>	DESCRIPTION	SIGN	SIZE		(SqFt)		FACES	COMMENTS	LENG		ŝ	2.0"x2.0"	2.5"x2.5"		
			110E7150 &		CODE	(in.)	Type IV	Type XI				INSIDE	OUTSIDE	#	TUBE	TUBE		
SE	16 0' D	110E0130	632E3500		14/2 E	W X H	632E3203	632E3205		MEST		12.0'			632E1320	632E1340		
66+40	-16.0 R		1{11}	MPM 403	D10.3	5 X 18	-					12.0			12.0	┢────╉		
67+48	-24 0' 1	1{PT}		STOP SIGN	R1-1	30 X 30		52		NORTH	DO NOT DISTRORB	9.5'		A	95	┢━━━╋		
68+00	-24.0' R	1{PT}		STOP SIGN	R1-1	30 X 30		5.2	1	SOUTH		9.5'		A	9.5	<b>├───</b> †		
68+38	-16.0' R	1{PT}		SPEED LIMT 45MPH	R2-1	30 X 36	7.5			WEST		12.0'		Α	12.0			
68+38	-16.0' L	1{W}		SPEED LIMT 65MPH	R2-1	30 X 36	7.5			EAST		12.0'		А	12.0			
371+52	-16.0' R	1{PT}		<b>Colman</b> POP. 634	D1-1	60 X 24	10.0			WEST		11.0'		S		11.0		
78+16	-2.0' L	1{W}		WEST	M3-4	24 X 12	2.0			EAST		10.0'		Α	11.0			
				34	M1-5	24 X 24	4.0			EAST						( I		
00.00	0.01	4 (57)	<u> </u>		14/4 4 6			<b> </b>					ļ	╇┻┥		$\vdash$		
80+00	-2.0' L	1{PT}	┟───┼		VV 14-3	48X 48	5.0			VVEST	Remove No Passing Zone Sign	0.5'	<b> </b>		9.5	┝───┥		
82+16	-2.0' L	1{W}	<del>     </del>	SPEED LIMIT 45MPH	R2-1	24 X 30	5.0			WEST		9.5'		Â	9.5	┢────┦		
35+20	-2.0' R				R2-1	30 X 36	7.5			WEST		16.7'	17.5'	A	34.2			
				YOUR SPEED	SPECIAL	- 36 X 44					Install radar speed feedback sign in conjunction with speed limit sign on 2.5" steel post							
87+81	-2.0' L	1{LP)		SPEED LIMIT 35MPH	R2-1	24 X 30	5.0			EAST		9.5'		A	9.5			
97+42	-2.0' L	1{W}		SPEED LIMIT 35MPH	R2-1	24 X 30	5.0			EAST		9.5'		A	9.5	┝───┥		
97+42	-2.0 R		┼───┼	SPEED LIMIT 35MPH	R2-1	24 × 30	5.0			VVEST		9.5		A S	9.5	10.5	<del>_</del>	
	-2.0	1111		AHEAD	W11-2 W16-9P D10-3	36.0 X 36 30 X 18 5 X 21	1.5	9.0 3.8		WEST WEST E/W		10.0		U				
99+65	-12.0' L	1			D3-1	60 X 12	10.0			E/W	Removed STOP signs & Street Name signs	9.5'		S		9.5		
		2{W}			D3-1	30 X 12	2.5			NORTH	will be delivered to the city of Colman					1		
		<b></b>	-	STOP	R1-1	30 X 30		5.2		NORTH	Install STOP & Street signs on 2.5" square tube post			Ц				
101+78	-4.0' R				Special						DO NOT DISTURB							
02+48	-2.0' R			HERE	R1-5	36 X 36		9.0		WEST	Install New Sign	10.0'		A	10.0			
02+75	-2.0' L	<u>1{P</u> T}		SPEED LIMIT 35MPH	R2-1	24 X 30	5.0			EAST		<u>9.</u> 5'		А	9.5			
												9.5'		S	;	9.5		
03+27	-2.0' R	1{LP)			W11-2 W16-7P	36 X 36 24 X 18		9.0 3.0		WEST WEST								
03+12	-12.0' R	2{W}			D3-1	60 X 12	10.0			E/W	Removed STOP signs & Street Name signs	9.5'		S		9.5		
				Florence Ave	D3-1	30 X 12	2.5			SOUTH	will be delivered to the city of Colman	1		11		( I		
				STOP	R1-1	30 X 30		5.2		SOUTH	Install STOP & Street signs on 2.5" square tube post							
		17	1	TOTALS THIS SHEET			95.0	54.6							167.2	50.0		

\* - Offset measured from edge of the shoulder/face of curve to post of Sign.

^ -Number and type- [{U}-Channel {W}ood {PT} Perforated Tube {LP} Light Pole]- of support(s)

# - (S)lip Base, (A)nchor Stub Post

 $\pmb{\Sigma}$  -Plan post lengths are estimates. The post lengths will be field verified by the Contractor.

SHEET 1 OF 4

				SIGN	I TABLI	E											
			SIGN DATA											POST	DATA		
STATION	REMOVE	REMOVE SIGN			SIGN	1	NEW SIG	N	SIGN		PC	DST			SIZE/QU	ANT. {Ft}	
& OFFSET* {Ft}	TRAFFIC	FOR RESET & RESET SIGN <sup>^</sup>	DESCRIPTION	SIGN	SIZE		(SqFt)		FACES	COMMENTS	LENG	тнѕ 🗡	BAS	2.0"x2.0"	2.5"x2.5"		
	SIGN ^	110E7150 &		CODE	(in.)	Type IV	Type XI				INSIDE	OUTSIDE	#	TUBE	TUBE		i i
SD34	110E0130	632E3500			WХН	632E3203	632E3205							632E1320	632E1340		
											9.5'		S		9.5		
403+35 -2.0' L	1{PT}			W11-2	36 X 36		9.0		EAST								
				W16-7P	24 X 18		3.0		FAST								
403+45 -12.0' L	2{W}		Florence Ave	D3-1	60 X 12	10.0	0.0		E/W	Removed STOP signs & Street Name signs	9.5'		s		9.5		
			SD 34	D3-1	30 X 12	2.5			NORTH	will be delivered to the city of Colman							
										Install STOP & Street signs on							
			STOP	R1-1	30 X 30		5.2		NORTH	2.5" square tube post							
				R1-5	36 X 36	-	9.0		EAST		10.0'		А	10.0			
404+10 -2.0' L			VIELD	_						Install New Sign							
			FOR														
404.00 0.01 5				54.40		7.5			MEOT								
404+80 -2.0' R	1{LP)		BUSINESS	D4-4CL	36 X 30	7.5			WEST	install new sign on Light Pole (LP)							
407+39 -12.0' L	1{W}			D3-1	42 X 12	7.0			E/W	Removed STOP signs & Street Name signs	9.5'		S		9.5		
				D3-1	30 X 12	2.5			NORTH	will be delivered to the city of Colman							
				R1-1	30 X 30	-	52		NORTH	Install STOP & Street signs on a 2.5" square tube post							
	11 13		STOP	121-1	00 X 00		0.2		North								
408+58 -2.0' L	1{W}			W11-2	36.0 X 36		9.0				9.5'		А	9.5			
				W/16 0D	20 V 19		2.0		EAST								
409+00 -2.0' R	1{LP)			M3-4	24 X 12	2.0	3.0		WEST	Install new sign on Light Pole (LP)			╉╋				
100 00 210 11	,		EAST	M1-5	24 X 24	4.0			WEST								
	4040		34								0.51			0.5			
410+00 -2.0 R	1{VV}			VV11-2	36.0 X 36		9.0		WEST		9.5		А	9.5			
			AHEAD	W16-9P	30 X 18		3.8		WE01								
410+02 -2.0' L	1{W}		BUSINESS	D4-4CL	36 X 30	7.5			EAST		9.5'		А	9.5			
			DISTRICT														
410+97 -2.0' R	1{LP)		SPEED LIMIT 35MPH	R2-1	24 X 30	5.0			WEST	Install new sign on Light Pole (LP)							
411+20 -12.0' L	1{W}			D3-1	42 X 12	7.0			E/W	Removed STOP signs & Street Name signs	9.5'		S		9.5		
				D3-1	30 X 12	2.5			NORTH	will be delivered to the city of Colman							
	1(PT)		30 34	R1-1	30 X 30		52		NORTH	Install STOP & Street signs on a 2.5" square tube post							
	. ( )		(STOP)		00 / 00		0.2										
											10.51	<u> </u>		10.5			
414±70 2.0' P			VIELO	R1-5	36 X 36		9.0		WEST	Install New Sign	10.0'		А	10.0			
414170 -2.0 1			HERE							instal New Sign							
			FOR														
414+04 0.01 0	1(07)			14/11 0	26 X 26		0.0		WEST		10.3'		S		10.5		
414+94 -2.0 R	1{⊢1}			vv11-2	36 X 36		9.0		VVEST	sign assembly with Yelld Here for Ped sign							
				W16-7P	24 X 18		3.0		WEST	Attach the MRM sign to the post							
			0 a	D10-3	5 X 21	1.5			E/W		<u> </u>						
415+04 .2.0'	1/1/1			W/11 2	36 X 36		9.0		FAGT		9.5'		s		9.5		
	11143			vv11-2	50 × 30		9.0		LASI								
				W16-7P	24 X 18		3.0		EAST								
	4.040			<b>D</b> 0 4	40 X 40						0.51				0 5		
415+10 -12.0° L	1{VV}		Loban Ave	D3-1 D3-1	48 X 12 30 X 12	8.0 5.0	1		E/W N/S	will be delivered to the city of Colman	9.5		Э		9.5		
			SD 34	201		0.0			,0	Install STOP & Street signs on							
			STOP														
	1{W}		5101	R1-1	30 X 30		5.2		NORTH	a 2.5" square tube post							
	16				<u>n</u>	72.0	100.3							19 E	67 E		
	10		IUTALO INIO ONEEI			12.0	100.3							40.0	07.5		

\* - Offset measured from edge of the shoulder/face of curve to post of Sign.

^ -Number and type- [{U}-Channel {W}ood {PT} Perforated Tube {LP} Light Pole]- of support(s)

# - (S)lip Base, (A)nchor Stub Post

 $\mathbf{X}$  -Plan post lengths are estimates. The post lengths will be field verified by the Contractor.

STATE OF	PROJECT	SHEET	TOTAL
SOUTH DAKOTA	NH-CR 0034(193)402	S5	S14

					51									DOOT	<b>-</b>		
		-		DATA	-	01011	1							POST			
STA	ΓΙΟΝ	REMOVE	FOR RESET &			SIGN		NEW SIGN	SIGN		PO	ST	σ		SIZE/QU	ANT. {Ft}	
& OFFS	ET* {Ft}	TRAFFIC SIGN ^	RESET SIGN <sup>^</sup>	DESCRIPTION	SIGN	SIZE		(SqFt)	FACES	COMMENTS	LENG	THS 👗	ASE	2.0"x2.0"	2.5"x2.5"		
		0.0.1	110E7150 &		CODE	(in.)	Type IV	Type XI			INSIDE	OUTSIDE	#	TUBE	TUBE		
SI	34	110E0130	632E3500			WХH	632E3203	632E3205				ī		632E1320	632E1340		
415+76	-2.0'	L		VIELD	R1-5	36 X 36		9.0	EAST		10.0'		Α	10.0			
										Install New Sign							
				FOR A						install New Sight							
				FOR													
415+80	-2.0'	2	1{PT}	Veterans	SS1-1	36 X 30			WEST	Reuse sign on a new post	9.5'		А	9.5'			
416+85	-2.0'	R 1{W}			W11-2	36.0 X 36		9.0			9.5'		А	9.5			
									WEST								
				AHEAD	W16-9P	30 X 18		3.8									
							-		FAST								
417+17	-4.0'	L			Special				2,101	DO NOT DISTURB							
417+40	-4.0'	≺ 1{LP)	╉────╋	SPEED LIMIT 35MPH	R2-1	24 X 30	5.0	⊢ – ↓	WEST	Install new sign on Light Pole (LP)		ļ					
417+50	-12.0'	4 0 4 0	<u> </u>		D10-3	5 X 18	1.4		E/W	DO NOT DISTRURB	0.5'	<u> </u>		0 F			
419+60	-4.0			SPEED LIMIT 35MPH	R2-1	24 X 30 36 X 36	5.0	9.0	WEST		9.5		A	9.5			
419+70	-2.0'	3		VIELO	IXI-5	30 × 30		9.0	WEST	Install New Sign	10.0			10.0			
	2.0			HERE						ine can then engin							
				FOR													
419+92	-2.0'	R			W11-2	36.0 X 36		9.0	WEST	Install new sign	9.5'		S		9.5		
					W16-9P	30 X 18		3.8									
420+00	-2.0'				W11-2	36.0 X 36	-	9.0	EAST	Install new sign	9.5'		s		9.5		
		_			W16-9P	30 X 18		3.8									
420+03	-20.0'	L 1{W}	-	Allen Ave	D3-1	48 X 12	8.0		E/W	Removed STOP signs & Street Name signs	9.5'		s		9.5		
			-	SD 34	D3-1	30 × 12	5.0		IN/5	will be delivered to the city of Colman							
		1{W}		STOD	R1-1	30 X 30		5.2	NORTH	a 2.5" square tube post							
		, ,		STOP													
420+70	-20.0'	R 1{PT}		470th Ave	D3-1	48 X 12	8.0		E/W	Removed STOP signs & Street Name signs	9.5'		S		9.5		
				SD 34	D3-1	30 X 12	5.0		N/S	will be delivered to the city of Colman							
					R1-1	30 X 30		5.2	SOUTH	Install STOP & Street signs on							
		11-13		STOP	121-1	30 × 30		5.2	300111	a 2.5 square tube post							
420+82	-2.0'	L			R1-5	36 X 36		9.0	EAST		10.0'		А	10.0			
				VIELD						Install New Sign							
				HERE													
421+95	-2 0'	1500	<u> </u>	- OK / Y	\\\/11.0	36 0 X 36		9.0			9.5'		Δ	05			
421700	-2.0	ר י <b>זעע</b> ז	Ⅰ ⊢		vv I I-2	30.0 × 30	-	9.0	EAST		9.5		$\cap$	9.0			
					W16-9P	30 X 18		3.8									
422+30	-2.0'	L		SPEED	R2-1	30 X 36	7.5		EAST		16.7	17.5	А	34.2			
					1					Install radar apond foodback size							
					1					in conjunction with speed limit sign							
				XOUR	SPECIAL	36 X 44				on 2.5" steel post							
		1		SPEED													
		1															
		1															
			<del>   </del>			<u> </u>	1						-				
		8	1	TOTALS THIS SHEET		<b>-</b>	44.9	88.4				· · ·		102.2	38.0		
* - Offset n	neasured	from edge of	the shoulder/face	of curve to post of Sign.		# - (S	6)lip Base.	(A)nchor S	tub Post								
^ -Number a	nd type- [	{U}-Channel {	W}ood {PT} Perfora	ated Tube {LP} Light Pole]- of support(s)		× -Pi	an post lei	ngths are e	stimates. The po	st lengths will be field verified by the Contra	actor.				SHEET	3 OF 4	

## SIGN TABLE

STATE OF	PROJECT	SHEET	TOTAL
SOUTH DAKOTA	NH-CR 0034(193)402	S6	S14

						S	SIGN	TABL	E							
				SIGN DATA										POST	DATA	
STA	TION	REMOVE	REMOVE SIGN			SIGN		NEW SIGN	SIGN		PC	OST	Π	SIZE/QUANT.		. {Ft}
& OFES	SET* {Et}	TRAFFIC	FOR RESET & RESET SIGNA	DESCRIPTION	SICN	SIZE		(SaEt)	EACES	COMMENTS	I ENG	THS X	BAS	2.0".v2.0"	2.5"22.5"	
	<u> </u>	SIGN ^	110E7150 &	DESCRIPTION	CODE	(in.)	Type IV	Type XI	FACES	GOMMENTS	INSIDE		ίΕ #	Z.0 XZ.0 TUBE	Z.5 XZ.5 TUBE	
SI	034	1 10E+132	632E3500			() W X H	632E3203	632E3205			Interbe	COTOIDE		632E1320	632E1340	
423+90	-12.0' L		1{PT}	Veterans	SS1-1	36 X 30	00220200	00220200		Reuse sign on a new post	9.5'		Α	9.5'		
			. ( )	Memorial						······						
									EAST							
424+95	-2.0' R	1{PT}		SPEED LIMIT 45MPH	R2-1	24 X 30	5.0		WEST		9.5'		А	9.5		
424+95	-12.0' L	1{PT}		SPEED LIMIT 35MPH	R2-1	24 X 30	5.0		EAST		10.5'		А	10.5		
432+45	-12.0' L	1{PT}		SPEED LIMIT 45MPH	R2-1	24 X 30	5.0		EAST		10.5'		А	10.5		
434+20	-24.0' R	1{PT}		Summit Ava	D3-1	48 X 12	8.0		E/W	Removed STOP signs & Street Name signs	9.5'		S		9.5	
					D3-1	30 X 12	5.0		N/S	will be delivered to the city of Colman				l		
										Install STOP & Street signs on				l		
				STOP	R1-1	30 X 30		5.2	SOUTH	a 2.5" square tube post				l		
														l		
434+90	-16.0'	1{PT}			D1-1	60 X 24	10.0		FAST		11.0'	┝───┦	s		11.0	
		. ( )		Colman										l		
				POP 634										l		
				101.034												
442+35	-30.0' R	1{PT}		Enterprise Ave	D3-1	48 X 12	8.0		E/W	Removed STOP signs & Street Name signs	9.5'		S		9.5	
					D3-1	30 X 12	5.0		N/S	will be delivered to the city of Colman				l		
				SD 34	<b>D</b> 1 1	00 X 00		5.0		Install STOP & Street signs on				l		
				STOD	R1-1	30 X 30		5.2	SOUTH	a 2.5" square tube post				l		
				STUP										l		
														l		
443+85	-16.0' L	1{PT}		SPEED LIMT 45MPH	R2-1	30 X 36	7.5		EAST		12.0'	<b>├──</b> ┩	А	12.0		
443+85	-16.0' R	1{W}		SPEED LIMT 65MPH	R2-1	30 X 36	7.5		WEST		12.0'		А	12.0		
447+80	-16.0' L	1{PT}		NO PASSING ZONE	W14-3	48X 48		5.6	WEST		13.0'		А	13.0		
452+85	-16.0' L	1{PT}		REDUCED SPEED AHEAD(45MPH)	W3-5	36 X 36		9.0	EAST		12.0'		А	12.0		
												┝──┦				
												┝──┩	$\vdash$			
							-					┝───┦	$\vdash$			
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													$\square$			
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		<b> </b>			+			$\vdash$				╷──┛	$\square$			
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								┝──┤				┟───┦	┢╼╋			
												┟───┦	┢╼╋			
		10	1.0	TOTALS THIS SHEET	-		66.0	25.0					T	89.0	30.0	
		<b>F</b> 1	2				277.9	268.2						406.9	185 5	
		J	3	UOUJ IUTALJ			211.0	200.3						400.0	105.5	

\* - Offset measured from edge of the shoulder/face of curve to post of Sign.

# - (S)lip Base, (A)nchor Stub Post

^ -Number and type- [{U}-Channel {W}ood {PT} Perforated Tube {LP} Light Pole]- of support(s)

X -Plan post lengths are estimates. The post lengths will be field verified by the Contractor.

STATE OF	PROJECT	SHEET	TOTAL SHEETS
DAKOTA	NH-CR 0034(193)402	S7	S14

SHEET 4 OF 4



# Flat Aluminum Sign Detail -High Intensity Sheeting Type (IV)



STATE OF	PROJECT	SHEET	TOTAL SHEETS
DAKOTA	NH-CR 0034(193)402	S9	S14
Plotting Date:	08/01/2024		

Panel Style: guide\_con\_street name\_a\_2012.ssi



# SIGN INSTALLATIONS



	STATE OF	PROJECT	SHEET	TOTAL
	SOUTH			SHEETS
C	DAKOTA	NH-CR 0034(193)402	S11	S14
	Plotting Date:	08/01/2024		











