

December 4, 2025

**ADDENDUM NO. 2**

**RE: Item #4, December 10, 2025 Letting - NH 0034(207)96, NH 0073(81)160, PCN 079F, 06PH,  
Meade, Ziebach County - Cold Milling, Asphalt Concrete Resurfacing, Pipe Work, Turn  
Lanes**

**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.*

**Bid Items were added:**

Bid Item 634E0800 "Temporary Portable Rumble Strips"

**Quantities for Bid Items were changed:**

Bid Item 320E1200 "Asphalt Concrete Composite" changed from 825.9 to 1,230.4 Ton

**PLANS:** Please destroy sheets 3, 4, 16, 17, 21 & 73 and replace with the enclosed sheets, dated 12/3/25.

**Sheet 3:** **Bid Items were added:**

Bid Item 634E0800 "Temporary Portable Rumble Strips"

**Quantities for Bid Items were changed:**

Bid Item 320E1200 "Asphalt Concrete Composite" changed from 476.1 to 880.6 Ton

**Sheet 4:** **Bid Items were added:**

Bid Item 634E0800 "Temporary Portable Rumble Strips"

**Sheet 16:** TABLE OF SURFACING QUANTITIES was revised.

**Sheet 17:** TABLE OF ADDED SURFACING QUANTITIES was revised.

**Sheet 21:** TEMPORARY PORTABLE RUMBLE STRIPS (TPRS) note was added.

**Sheet 73:** Standard Plate 634.23 was removed and Special Detail "LANE CLOSURE WITH FLAGGER PROVIDED AND TEMPORARY PORTABLE RUMBLE STRIPS" was added.

Sincerely,

Sam Weisgram  
Engineering Supervisor

SW/gp

CC: Todd Seaman, Rapid City Region Engineer  
John Matthesen, Belle Fourche Area Engineer

ESTIMATE OF QUANTITIES – PCN 079F

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0034(207)96 & NH 0073(81)160	3	86

Revised 12/3/2025 NJT

Alternate A – PCN 079F

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
320E0005	PG 58-34 Asphalt Binder	2,286.2	Ton
320E1203	CLASS Q3R HOT MIXED ASPHALT CONCRETE	50,216.9	Ton
320E4000	Hydrated Lime	494.7	Ton

Alternate B – PCN 079F

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
320E0005	PG 58-34 Asphalt Binder	1,898.6	Ton
320E1203	CLASS Q3R HOT MIXED ASPHALT CONCRETE	51,509.2	Ton
320E4000	Hydrated Lime	510.4	Ton

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3320	Checker	Lump Sum	LS
009E4200	Construction Schedule, Category II	Lump Sum	LS
110E0300	Remove Concrete Curb and/or Gutter	245	Ft
110E0500	Remove Pipe Culvert	2	Ft
110E0510	Remove Pipe End Section	6	Each
110E0600	Remove Fence	106	Ft
110E1010	Remove Asphalt Concrete Pavement	2,998.2	SqYd
110E1130	Remove Concrete Driveway Pavement	40.0	SqYd
110E5451	Salvage Riprap	150.0	Ton
110E7510	Remove Pipe End Section for Reset	8	Each
120E0010	Unclassified Excavation	377	CuYd
120E0100	Unclassified Excavation, Digouts	934	CuYd
120E2000	Undercutting	2,527	CuYd
120E6200	Water for Granular Material	214.0	MGal
210E0100	Shoulder Clearing	37.2	Mile
230E0100	Remove and Replace Topsoil	Lump Sum	LS
250E0010	Incidental Work	Lump Sum	LS
260E1010	Base Course	3,009.9	Ton
260E1050	Base Course, Salvaged Asphalt Mix	4,551.5	Ton
280E0020	Full Depth Reclamation, Shoulder	109,924	SqYd
320E0005	PG 58-34 Asphalt Binder	209.3	Ton
320E1200	Asphalt Concrete Composite	880.6	Ton
320E1800	Asphalt Concrete Blade Laid	3,360.6	Ton
320E4000	Hydrated Lime	33.5	Ton
320E7012	Grind 12" Rumble Strip or Stripe in Asphalt Concrete	37.2	Mile
330E0010	MC-70 Asphalt for Prime	130.3	Ton
330E0100	SS-1h or CSS-1h Asphalt for Tack	213.6	Ton
330E0210	SS-1h or CSS-1h Asphalt for Flush Seal	83.6	Ton
330E2000	Sand for Flush Seal	974.9	Ton
332E0010	Cold Milling Asphalt Concrete	296,534	SqYd
450E5211	18" CMP Flared End, Furnish	2	Each
450E5212	18" CMP Flared End, Install	2	Each
450E5219	30" CMP Flared End, Furnish	4	Each
450E5220	30" CMP Flared End, Install	4	Each
450E8910	Cleanout for Culvert Treatment	2	Each
450E9001	Reset Pipe End Section	8	Each
450E9518	18" Cured in Place Pipe	72	Ft
450E9526	30" Cured in Place Pipe	128	Ft
600E0300	Type III Field Laboratory	1	Each
620E0020	Type 2 Right-of-Way Fence	106	Ft
620E0510	Type 1 Temporary Fence	270	Ft
620E1020	2 Post Panel	2	Each

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
632E2510	Type 2 Object Marker Back to Back	3	Each
633E0010	Cold Applied Plastic Pavement Marking, 4"	5,380	Ft
633E0030	Cold Applied Plastic Pavement Marking, 24"	396	Ft
633E0040	Cold Applied Plastic Pavement Marking, Arrow	6	Each
633E1200	High Build Waterborne Pavement Marking Paint, White	845	Gal
633E1205	High Build Waterborne Pavement Marking Paint, Yellow	303	Gal
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	5,380	Ft
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	396	Ft
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	6	Each
633E5100	Grooving for Durable Pavement Marking, 4"	198,265	Ft
634E0010	Flagging	2,500.0	Hour
634E0020	Pilot Car	1,000.0	Hour
634E0110	Traffic Control Signs	1,471.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0560	Remove Pavement Marking, 4" or Equivalent	2,000	Ft
634E0630	Temporary Pavement Marking	74.9	Mile
634E0800	Temporary Portable Rumble Strips	2	Each
680E0204	4" Perforated PVC Drain Pipe with Sleeve	260	Ft
680E0224	4" PVC Outlet Pipe	60	Ft
680E2000	Concrete Headwall for Underdrain	3	Each
680E2500	Porous Backfill	300.0	Ton
700E0310	Class C Riprap	298.2	Ton
700E2010	Place Riprap	150.0	Ton
720E1010	PVC Coated Bank and Channel Protection Gabion	96.5	CuYd
730E0210	Type F Permanent Seed Mixture	45	Lb
731E0200	Fertilizing	1.25	Ton
732E0200	Fiber Mulching	1.6	Ton
734E0154	12" Diameter Erosion Control Wattle	480	Ft
831E0110	Type B Drainage Fabric	822	SqYd
900E0010	Refurbish Single Mailbox	8	Each
900E0012	Refurbish Double Mailbox	1	Each
900E1980	Storage Unit	1	Each

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 10-1-25 Version, Required Provisions, and Special Provisions as included in the Proposal. The Standard Specifications for Roads and Bridges is available for download and viewing at <https://dot.sd.gov/doing-business/contractors/standard-specifications>.

ESTIMATE OF QUANTITIES – PCN 06PH

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0034(207)96 & NH 0073(81)160	4	86

Revised 12/3/2025 NJT

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3320	Checker	Lump Sum	LS
009E4200	Construction Schedule, Category II	Lump Sum	LS
110E1010	Remove Asphalt Concrete Pavement	1,049.4	SqYd
110E1140	Remove Concrete Sidewalk	22.4	SqYd
110E1540	Remove Luminaire Pole Footing	4	Each
110E7510	Remove Pipe End Section for Reset	8	Each
120E0100	Unclassified Excavation, Digouts	700	CuYd
120E6200	Water for Granular Material	186.9	MGal
210E0100	Shoulder Clearing	28.0	Mile
230E0100	Remove and Replace Topsoil	Lump Sum	LS
250E0020	Incidental Work, Grading	Lump Sum	LS
260E1010	Base Course	1,399.3	Ton
260E1050	Base Course, Salvaged Asphalt Mix	3,320.3	Ton
280E0020	Full Depth Reclamation, Shoulder	96,117	SqYd
320E0005	PG 58-34 Asphalt Binder	155.3	Ton
320E1200	Asphalt Concrete Composite	349.8	Ton
320E1800	Asphalt Concrete Blade Laid	2,098.9	Ton
320E4000	Hydrated Lime	21.1	Ton
320E7012	Grind 12" Rumble Strip or Stripe in Asphalt Concrete	27.3	Mile
330E0010	MC-70 Asphalt for Prime	114.0	Ton
330E0100	SS-1h or CSS-1h Asphalt for Tack	159.8	Ton
330E0210	SS-1h or CSS-1h Asphalt for Flush Seal	63.0	Ton
330E2000	Sand for Flush Seal	722.4	Ton
332E0010	Cold Milling Asphalt Concrete	217,928	SqYd
450E8300	Culvert Joint Cleaning	12.0	Ft
450E8305	Repair Culvert Joint	12.0	Ft
450E8310	Chemical Grout Void Fill	9.0	Gal
450E9001	Reset Pipe End Section	8	Each
633E1200	High Build Waterborne Pavement Marking Paint, White	629	Gal
633E1205	High Build Waterborne Pavement Marking Paint, Yellow	197	Gal
633E5100	Grooving for Durable Pavement Marking, 4"	147,682	Ft
634E0010	Flagging	2,225.0	Hour
634E0020	Pilot Car	1,000.0	Hour
634E0110	Traffic Control Signs	925.9	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0560	Remove Pavement Marking, 4" or Equivalent	2,000	Ft
634E0630	Temporary Pavement Marking	55.9	Mile
634E0800	Temporary Portable Rumble Strips	2	Each
635E5020	2' Diameter Footing	28.0	Ft
635E5301	Type 1 Electrical Junction Box	2	Each
635E7500	Remove and Reset Luminaire Pole	4	Each
635E8120	2" Rigid Conduit, Schedule 40	120	Ft

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
635E9016	1/C #6 AWG Copper Wire	560	Ft
651E0040	4" Concrete Sidewalk	200	SqFt
720E1010	PVC Coated Bank and Channel Protection Gabion	94.0	CuYd
730E0210	Type F Permanent Seed Mixture	27	Lb
731E0200	Fertilizing	0.72	Ton
732E0200	Fiber Mulching	0.9	Ton
831E0110	Type B Drainage Fabric	279	SqYd
900E0010	Refurbish Single Mailbox	6	Each
900E0012	Refurbish Double Mailbox	1	Each
900E1080	Orange Plastic Safety Fence	1,300	Ft

Alternate A – PCN 06PH

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
320E0005	PG 58-34 Asphalt Binder	1,719.5	Ton
320E1203	CLASS Q3R HOT MIXED ASPHALT CONCRETE	37,774.0	Ton
320E4000	Hydrated Lime	370.7	Ton

Alternate B – PCN 06PH

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
320E0005	PG 58-34 Asphalt Binder	1,420.9	Ton
320E1203	CLASS Q3R HOT MIXED ASPHALT CONCRETE	38,754.2	Ton
320E4000	Hydrated Lime	384.7	Ton

ENVIRONMENTAL COMMITMENTS

The SDDOT is committed to protecting the environment and uses Environmental Commitments as a communication tool for the Engineer and Contractor to ensure that attention is given to avoid, minimize, and/or mitigate an environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency with permitting authority can delay a project if identified environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. During construction, the Project Engineer will verify that the Contractor has met Environmental Commitment requirements. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office.

Additional guidance on SDDOT's Environmental Commitments can be accessed through the Environmental Procedures Manual found at: <<https://dot.sd.gov/media/documents/EnvironmentalProceduresManual.pdf> >

For questions regarding change orders in the field that may have an effect on an Environmental Commitment, the Project Engineer will contact the Environmental Engineer at 605-773-3180 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

Once construction is complete, the Project Engineer will review all environmental commitments for the project and document their completion.



TABLE OF SURFACING QUANTITIES

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0034(207)96 & NH 0073(81)160	16	86

Revised 12/3/2025 NJT

																		Alt A			Alt B					
				Cold Milling Asphalt Concrete	Full Depth Reclamation (FDR), Shoulder		Water for Granular Material	Unclassified Excavation, Digouts	Base Course, Salvaged Asphalt Mix	Remove Asphalt Concrete Pavement	Base Course	Asphalt Concrete Composite	SS-1h or CSS-1h Asphalt for Tack	Asphalt Concrete Blade Laid		PG 58-34 Asphalt Binder	MC-70 Asphalt for Prime	PG 58-34 Asphalt Binder	Class Q3R Hot Mixed Asphalt Concrete		PG 58-34 Asphalt Binder	Class Q3R Hot Mixed Asphalt Concrete		SS-1h or CSS-1h Asphalt for Flush Seal	Sand for Flush Seal	
Section	Station to	Station	Length Ft	SqYd	SqYd	CuYd	Mgal	CuYd	Ton	SqYd	Ton	Ton	Ton	Ton	Ton	Ton	Ton	Ton	Ton	Ton	Ton	Ton	Ton	Ton	Ton	Ton
SD34 (PCN 079F)																										
3	40+13.0	64+01.22	2388.22	6,899	3,184		6.2	23	45.2	33.9	45.2	11.3	5.0	67.8	0.7	5.0	3.8	52.5	1,153.4	11.3	43.4	1,185.1	11.8	2.0	23.4	
Equation	64+01.22	64+00.77																								
3	64+00.77	127+92.87	6392.10	18,466	8,523		16.6	61	121.1	90.8	121.1	30.3	13.5	181.6	1.8	13.4	10.1	140.4	3,087.1	30.3	116.2	3,171.8	31.5	5.4	62.5	
Equation	127+92.87	127+91.96																								
3	127+91.96	240+01.28	11209.32	32,383	14,946		29.1	106	212.3	159.2	212.3	53.1	23.7	318.4	3.2	23.6	17.7	246.3	5,413.6	53.1	203.8	5,562.2	55.2	9.5	109.6	
Equation	240+01.28	240+00.83																								
3	240+00.83	378+01.21	13800.38	39,868	18,401		35.8	131	261.4	196	261.4	65.3	29.1	392.1	3.9	29.0	21.8	303.2	6,665.0	65.3	250.9	6,847.9	68.0	11.7	134.9	
Equation	378+01.21	378+00.77																								
3	378+00.77	553+01.27	17500.50	50,557	23,334		45.4	166	331.4	248.6	331.4	82.9	36.9	994.3	9.9	36.8	27.7	384.5	8,451.9	82.9	318.2	8,684.0	86.2	14.9	171.1	
Equation	553+01.27	553+00.95																								
3	553+00.95	720+22.45	16721.50	48,307	22,295		43.4	158	316.7	237.5	316.7	79.2	35.3	475.0	4.8	35.2	26.4	367.4	8,075.7	79.2	304.0	8,297.4	82.3	14.2	163.5	
Equation	720+22.45	719+92.06																								
3	719+92.06	732+12.0	1219.94	3,524	1,627		3.2	12	23.1	17.3	23.1	5.8	2.6	34.7	0.3	2.6	1.9	26.8	589.2	5.8	22.2	605.3	6.0	1.0	11.9	
4	732+12.0	735+27.0	315.00	1,085	420		0.8	3	6.0	4.5	6.0	1.5	0.7	8.9	0.1	0.7	0.5	7.1	156.1	1.5	5.9	160.3	1.6	0.3	3.1	
3	735+27.0	771+73.87	3646.87	10,535	4,862		9.5	35	69.1	51.8	69.1	17.3	7.7	155.4	1.6	7.7	5.8	80.1	1,761.3	17.3	66.3	1,809.6	18.0	3.1	35.7	
Equation	771+73.87	771+72.6																								
3	771+72.6	864+21.52	9248.92	26,719	12,332		24.0	88	175.2	131.4	175.2	43.8	19.5	262.8	2.6	19.4	14.6	203.2	4,466.8	43.8	168.2	4,589.4	45.5	7.9	90.4	
Equation	864+21.52	0+00.0																								
5	0+00.0	15+75.0	1575.00	5,250				15		22.4	29.8	7.5	3.2	44.7	0.4	3.3		28.3	623.4	6.3	23.6	640.1	6.3	1.3	15.4	
6	15+75.0	21+10.0	535.00	3,329				5		7.6	10.1	2.5	2.0	30.4	0.3	3.4		16.7	367.0	3.6	13.8	376.9	3.7	0.7	10.5	
5	21+10.0	159+96.0	13886.00	46,287				131		197.2	263.0	65.7	28.5	394.5	3.9	29.2		249.8	5,496.5	55.2	207.8	5,643.8	55.2	11.2	135.8	
Additional Quantities					3,325	0	2,527		0	2,990.0	1,600.0	1,145.5	414.4	5.9	0.0	0.0	0.0	179.9	3,909.9	39.1	154.3	3,935.4	39.1	0.4	7.1	
	PCN 079F	Totals:	98438.75	296,534	109,924	2,527	214.0	934	4,551.5	2,998.2	3,009.9	880.6	213.6	3,360.6	33.5	209.3	130.3	2,286.2	50,216.9	494.7	1,898.6	51,509.2	510.4	83.6	974.9	
SD73 (PCN 06PH)																										
1	5+00.00	71+20.32	6620.32	19,125	8,827		17.2	63	125.4	94.0	125.4	31.3	14.0	188.1	1.9	13.9	10.5	145.4	3,197.3	31.3	120.4	3,285.1	32.6	5.6	64.7	
Equation	71+20.32	71+24.46																								
1	71+24.46	137+50.41	6625.95	19,142	8,835		17.2	63	125.5	94.1	125.5	31.4	14.0	188.2	1.9	13.9	10.5	145.6	3,200.0	31.4	120.5	3,287.9	32.6	5.6	64.8	
Equation	137+50.41	137+50.00																								
1	137+50.00	593+90.29	45640.29	131,850	60,854		118.3	432	864.4	648.3	864.4	216.1	96.3	1,296.6	13.0	96.0	72.1	1,002.7	22,042.2	216.1	829.8	22,647.3	224.7	38.8	446.3	
Equation	593+90.29	593+50.00																								
1	593+50.00	653+00.41	5950.41	17,190	7,934		15.4	56	112.7	84.5	112.7	28.2	12.6	169.0	1.7	12.5	9.4	130.7	2,873.8	28.2	108.2	2,952.7	29.3	5.1	58.2	
Equation	653+00.41	653+00.00																								
1	653+00.00	725+50.00	7250.00	20,944	9,667		18.8	69	137.3	103.0	137.3	34.3	15.3	206.0	2.1	15.2	11.5	159.3	3,501.4	34.3	131.8	3,597.5	35.7	6.2	70.9	
2	725+50.00	743+46.15	1796.15	7,983				17		25.5	34.0	8.5	4.1	51.0	0.5	3.8		40.8	895.0	8.8	33.8	919.4	9.2	1.7	17.5	
Additional Quantities					1,694	0	0	0	1,955.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	95.0	2,064.3	20.6	76.4	2,064.3	20.6	0.0	0.0	
	PCN 06PH	Totals:	73883.12	217,928	96,117	0	186.9	700	3,320.3	1,049.4	1,399.3	349.8	159.8	2,098.9	21.1	155.3	114.0	1,719.5	37,774.0	370.7	1,420.9	38,754.2	384.7	63.0	722.4	

TABLE OF ADDED SURFACING QUANTITIES

																	Alt A			Alt B				
			Cold Milling Asphalt Concrete SqYd	Full Depth Reclamation (FDR), Shoulder SqYd	Undercutting CuYd	Water for Granular Material Mgal	Unclassified Excavation, Digouts CuYd	Base Course, Salvaged Asphalt Mix Ton	Remove Asphalt Concrete Pavement SqYd	Base Course Ton	Asphalt Concrete Composite Ton	SS-1h or CSS-1h Asphalt for Tack Ton	Asphalt Concrete Blade Laid Ton	Hydrated Lime Ton	PG 58-34 Asphalt Binder Ton	MC-70 Asphalt for Prime Ton	PG 58-34 Asphalt Binder Ton	Class Q3R Hot Mixed Asphalt Concrete Ton	Hydrated Lime Ton	PG 58-34 Asphalt Binder Ton	Class Q3R Hot Mixed Asphalt Concrete Ton	Hydrated Lime Ton	SS-1h or CSS-1h Asphalt for Flush Seal Ton	Sand for Flush Seal Ton
<b>SD34 (PCN 079F)</b>																								
Spot Leveling, Strengthening, and Repair of Existing Surface												4.7					85.8	1,864.4	18.6	69.0	1,864.4	18.6		
Fault-Heave Repair Locations																								
MRM 108.09 to MRM 108.14					1,579.4				1,000.0	715.9	259.0													
MRM 109.38 to MRM 109.41					947.7				600.0	429.6	155.4													
Profile Correction																								
Sta. 362+00 to 364+00 (MRM 102.90±)																	4.7	101.8	1.0	4.8	104.5	1.0		
Sta. 514+00 to 516+00 (MRM 105.78±)																	4.7	101.8	1.0	4.8	104.5	1.0		
Sta. 789+00 to 791+50 (MRM 111.00±)																	5.9	127.2	1.3	6.0	130.6	1.3		
Sta. 814+50 to 816+00 (MRM 111.60±)																	3.5	76.3	0.8	3.6	78.4	0.8		
Sta. 841+00 to 843+50 (MRM 111.87±)																	5.9	127.2	1.3	6.0	130.6	1.3		
Sta. 864+00 to 4+00 (MRM 112.33± to MRM 112.45)																	9.9	214.4	2.1	10.1	220.2	2.1		
Turn Lane Transitions (Section 5)																								
Sta. 9+25 to Sta. 15+75			867									0.6					4.4	97.2	1.0	4.5	99.8	1.0	0.2	3.5
Sta. 21+10 to Sta. 27+90			907									0.6					4.6	101.6	1.0	4.8	104.4	1.0	0.2	3.6
Intersecting Roads and Entrances																								
Gravel Entrances (79)								2,765.0									32.7	711.0	7.1	26.3	711.0	7.1		
Asphalt Entrances (3)			150					105.0									1.2	27.0	0.3	1.0	27.0	0.3		
Intersecting Gravel Roads (8)			1,401					120.0									12.9	280.0	2.8	10.4	280.0	2.8		
Mailbox Turnouts (10)																	3.7	80.0	0.8	3.0	80.0	0.8		
<b>(PCN 079F, SD34) Totals:</b>			<b>3,325</b>		<b>2,527.1</b>			<b>2,990.0</b>	<b>1,600.0</b>	<b>1,145.5</b>	<b>414.4</b>	<b>5.9</b>					<b>179.9</b>	<b>3,909.9</b>	<b>39.1</b>	<b>154.3</b>	<b>3,935.4</b>	<b>39.1</b>	<b>0.4</b>	<b>7.1</b>
<b>SD73 (PCN 06PH)</b>																								
Spot Leveling, Strengthening, and Repair of Existing Surface												3.5					64.4	1,399.3	14.0	51.8	1,399.3	14.0		
Intersecting Roads and Entrances																								
Gravel Entrances (49)								1,715.0									20.3	441.0	4.4	16.3	441.0	4.4		
Asphalt Entrances (6)			796					210.0									2.5	54.0	0.5	2.0	54.0	0.5		
Intersecting Asphalt Roads (2)			416														4.6	100.0	1.0	3.7	100.0	1.0		
Intersecting Gravel Roads (2)			482					30.0									3.2	70.0	0.7	2.6	70.0	0.7		
<b>(PCN 06PH, SD73) Totals:</b>			<b>1,694.0</b>					<b>1,955.0</b>				<b>3.5</b>					<b>95.0</b>	<b>2,064.3</b>	<b>20.6</b>	<b>76.4</b>	<b>2,064.3</b>	<b>20.6</b>		

TEMPORARY PORTABLE RUMBLE STRIPS (TPRS)

One set of three (3) Temporary Portable Rumble Strips (TPRS) will be installed in advance of the Flagger Ahead (W20-7) sign on each side of the set up as shown on the special detail for Flagger Operation. The spacing of the three TPRS (center to center) will be as follows:

- 10 feet where the posted speed limit is ≤ 40 MPH
- 15 feet where the posted speed limit is 45 to 55 MPH
- 20 feet where the posted speed limit is 60 MPH
- 35 feet where the posted speed limit is ≥ 65 MPH

Each set of TPRS will consist of three rumble strips placed perpendicular to the centerline and parallel to one another in accordance with the spacing requirements above. The rumble strips will be installed across the lane of travel but will not intrude into the opposing lane of travel. Each strip will provide a minimum coverage of 11 feet across the travel lane and be a minimum of 12” wide.

TPRS will not be used on loose gravel, bleeding asphalt, heavily rutted pavements or unpaved surfaces, nor will they be placed through pedestrian crossings. TPRS will not be required if the work is occurring in rain, snow, or icy conditions. Prior to deployment, sweep area clear of gravel and other debris. Reposition TPRS if lateral movement is greater than 2 feet from original position or if longitudinal movement is greater than 3 feet on one side of the strip or is greater than 5 feet for the entire strip from original position.

TPRS will generate similar levels of sound and vibration as milled rumble strips with a height between ½” and ¾” tall. TPRS will be held in place by their own weight without the use of adhesives. The weight of the strips will not exceed 100 pounds. TPRS will be able to withstand vehicles with a maximum weight of 80,000 pounds while retaining original shape and placement with minor incidental movement of 6” or less during an 8 hour deployment.

TPRS will be flexible enough to conform to the roadway surface. TPRS will be collapsible so that they can be transported at less than full lane width and have a mechanism for grabbing and maneuvering the strips. The color of the rumble strips will be white, black, or orange with a clearly indicated top and bottom. TPRS will be able to be used in temperatures between 0 and 180 degrees Fahrenheit.

Payment for Temporary Portable Rumble Strips will be per Each set of three (3) rumble strips. Two (2) sets of three (3) strips will be required for each one-lane, two-way Flagger operation. All costs for removing and resetting the rumble strips, as needed, will be incidental to the contract unit price per each for Temporary Portable Rumble Strips.

TEMPORARY PAVEMENT MARKING

The total length of no passing zone on this project is estimated to be 3.6 miles on SD34 (PCN 079F) and 2.1 miles on SD73 (PCN 06PH).

It is estimated that 34 DO NOT PASS (R4-1) and 34 PASS WITH CARE (R4-2) signs will be required to mark the no passing zones along SD34 (PCN 079F), should the Contractor elect to use these signs.

It is estimated that 17 DO NOT PASS (R4-1) and 17 PASS WITH CARE (R4-2) signs will be required to mark the no passing zones along SD73 (PCN 06PH), should the Contractor elect to use these signs.

Temporary flexible vertical markers (tabs) may be used as detailed in the specifications.

Temporary pavement marking paint will not be allowed on the final lift of asphalt surfacing. Temporary pavement marking paint will not be allowed on the chip seal, fog seal, or flush seal. Temporary flexible vertical markers (tabs) must be used on the final lift of asphalt surfacing. The Contractor may use tabs with covers, uncovering them for the chip seal, fog seal, or flush seal. As an alternative, the Contractor may install new tabs for the fog seal or flush seal.

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

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

- Quantities of Temporary Pavement Markings consist of:
- One pass on top of the milled surface
  - One pass on top of the final lift of asphalt concrete
  - One pass prior to the flush seal, length as determined by the Engineer
  - One pass after the flush seal

If the Engineer determines that an additional pass prior to the flush seal is not required, this application of the temporary pavement marking will be eliminated. If the flush seal is eliminated for the project, the application of the temporary pavement marking on top of the flush seal as well as the additional pass prior to the flush seal will be eliminated.

No adjustment in the contract unit price for “Temporary Pavement Marking” will be made because of a variation in quantities.

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

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

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0034(207)96 & NH 0073(81)160	21	86

Revised 12/3/2025 NJT

TRAFFIC CONTROL FOR ASPHALT CONCRETE RESURFACING

The Contractor will need to install LOOSE GRAVEL (W8-7) signs with advisory speed plaques (W13-1P) in areas where loose sand is present during the flush seal operation. LOOSE GRAVEL signs have been included in these plans for this.

PRESS RELEASE ANNOUNCEMENTS

The SDDOT will prepare a press release to be released 5 days prior to any phase change or any other major change that affects traffic flow. The SDDOT will be responsible to keep law enforcement, emergency services, and the traveling public notified of changes in project access. The Contractor will provide the Engineer with pertinent information 7 days prior to any phase change or any other major change that affects traffic flow.

