

Planning & Engineering Office of Project Development

700 E Broadway Avenue Pierre, South Dakota 57501-2586 O: 605.773.3275 | F: 605.773.2614 dot.sd.gov

December 10, 2024

ADDENDUM NO. 1

RE: Item #7, December 11, 2024 Letting - IM-P-B 0905(00)212, IM 0905(125)212, PCN 097Q, 09YP, Jones, Lyman County - Asphalt Concrete Surfacing, CRC Pavement Repair

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: PEN AND INK 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 332E0010 "Cold Milling Asphalt Concrete" changed from 40,148 to 2,288 SqYd

PLANS: Please destroy sheets 3 of 93, 2 of 56, 6 of 56 and 11 of 56 and replace with the enclosed sheets, dated 12/10/24.

Sheets 3 of 93 & 2 of 56:	Quantities for Bid Items were changed:
	Bid Item 332E0010 "Cold Milling Asphalt Concrete" changed
	from 40,148 to 2,288 SqYd

Sheet 6 of 56: REMOVE ASPHALT CONCRETE PAVEMENT note was revised. Third paragraph was added. Note placement was adjusted.

Sheet 11 of 56: TABLE OF ADDITIONAL QUANTITIES was revised.

Sincerely,

Sam Weisgram Engineering Supervisor

SW/cj

CC: Jason Humphrey, Pierre Region Engineer Doug Sherman, Winner Area Engineer

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

IM-P-B 0905(00)212 PCN 097Q:

009E0010MobilizationLump SumL110E1010Remove Asphalt Concrete Pavement9,291.4Sc110E7150Remove Sign for Reset1Ex110E7510Remove Pipe End Section for Reset1Ex120E0010Unclassified Excavation6,346Cc120E0100Unclassified Excavation, Digouts150Cc120E0600Contractor Furnished Borrow Excavation918Cc120E6200Water for Granular Material235.6M210E1005Surface Preparation0.280M	
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210E1005 Surface Preparation 0.280 M	Gal
210E2000 Chaulder Chaning	/ile
210E2000 Shoulder Shaping 0.100 N	Aile
210E3500 Heavy Roadway Shaping 0.569 M	/ile
230E0100 Remove and Replace Topsoil Lump Sum	S
260E1030 Base Course, Salvaged 8,807.2 T	on
260E1080 Base Course, Salvaged, State Furnished 1,948.2 T	on
270E0110 Salvage and Stockpile Granular Material 8,807.2 T	on
320E1200 Asphalt Concrete Composite 8,398.3 T	on
320E7008 Grind 8" Rumble Strip or Stripe in Asphalt Concrete 0.4 M	lile
332E0010 Cold Milling Asphalt Concrete 2,288 So	qYd
380E5030 Nonreinforced PCC Pavement Repair 84.5 So	qYd
380E6310 Seal Random Cracks in PCC Pavement 200	Ft
450E3012 24" RCP Arch Class 2, Furnish 4	Ft
450E3020 24" RCP Arch, Install 4	Ft
450E9001 Reset Pipe End Section 1 Ea	ach
600E0300 Type III Field Laboratory 1 Ea	ach
632E3500 Reset Sign 1 Ea	ach
633E0030 Cold Applied Plastic Pavement Marking, 24" 19	Ft
633E1200 High Build Waterborne Pavement Marking Paint, White 1,013 0	Gal
633E1201 High Build Waterborne Pavement Marking Paint with Reflective Elements, White 49	Gal
633E1205 High Build Waterborne Pavement Marking Paint, Yellow 483 00	Gal
633E1206 High Build Waterborne Pavement Marking Paint with Reflective Elements, Yellow 29	Gal
633E5015 Grooving for Cold Applied Plastic Pavement Marking, 24" 19	Ft
633E5100 Grooving for Durable Pavement Marking, 4" 14,630	Ft
633E6005 Pavement Marking Masking, 5" 610	Ft
633E6015 Pavement Marking Masking, 13" 2,491	Ft
634E0010 Flagging 492.0 H	our
634E0020 Pilot Car 228.0 H	our
634E0110 Traffic Control Signs 917.6 S	qFt
634E0120 Traffic Control, Miscellaneous Lump Sum L	S
634E0275 Type 3 Barricade 8 Ex	ach
634E0630 Temporary Pavement Marking 57.6 M	Aile
734E0010 Erosion Control Lump Sum L	S
734E0151 9" Diameter Erosion Control Wattle 240	Ft
734E0604 High Flow Silt Fence 644	Ft

IM 0905(125)212 PCN 09YP:

Section C - Traffic Control:

BID ITEM	ITEM	QUANTITY	UNIT	
633E1201	High Build Waterborne Pavement Marking Paint with Reflective Elements, White	2	Gal	
633E1206	High Build Waterborne Pavement Marking Paint with Reflective Elements, Yellow	1	Gal	
633E5100	Grooving for Durable Pavement Marking, 4"	450	Ft	
634E0110	Traffic Control Signs	375.3	SqFt	
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS	
634E0275	Type 3 Barricade	6	Each	
634E0330	Temporary Raised Pavement Markers	2,850	Ft	
634E0420	Type C Advance Warning Arrow Board	1	Each	
634E0600	4" Temporary Pavement Marking Tape Type I	144	Ft	
634E1215	Contractor Furnished Portable Changeable Message Sign	2	Each	

Section D - Erosion and Sediment Control:

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
230E0100	Remove and Replace Topsoil	Lump Sum	LS
734E0010	Erosion Control	Lump Sum	LS

Section F – Surfacing:

BID ITEM	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
110E1010	Remove Asphalt Concrete Pavement	633.0	SqYd
110E1100	Remove Concrete Pavement	433.0	SqYd
110E6006	Remove High Tension 4 Cable Guardrail for Reset	600	Ft
120E0010	Unclassified Excavation	144	CuYd
120E2000	Undercutting	367	CuYd
120E6200	Water for Granular Material	5.4	MGal
260E2010	Gravel Cushion	451.5	Ton
380E0540	10" Continuously Reinforced PCC Pavement	433.3	SqYd
380E0800	PCC Shoulder Pavement	200.0	SqYd
380E6110	Insert Steel Bar in PCC Pavement	48	Each
380E6302	Reseal PCC Pavement Joint - Hot Pour	177	Ft
451E3104	4" Pipe Cap	2	Each
629E0211	Reset High Tension 4 Cable Guardrail	600	Ft
680E0204	4" Perforated PVC Drain Pipe with Sleeve	110	Ft
680E0224	4" PVC Outlet Pipe	50	Ft
680E2000	Concrete Headwall for Underdrain	2	Each
680E2500	Porous Backfill	62.0	Ton

SPECIFICATIONS

in the Proposal.

	STATE OF	PROJECT	SHEET	TOTAL SHEETS
s D	DAKOTA	IM-P-B 0905(00)212 & IM 0905(125)212	3	93

Revised 12/10/2024 JDC

Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications, and Special Provisions as included

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
110E1010	Remove Asphalt Concrete Pavement	9,291.4	SqYd
110E7150	Remove Sign for Reset	1	Each
110E7510	Remove Pipe End Section for Reset	1	Each
120E0010	Unclassified Excavation	6,346	CuYd
120E0100	Unclassified Excavation, Digouts	150	CuYd
120E0600	Contractor Furnished Borrow Excavation	918	CuYd
120E6200	Water for Granular Material	235.6	MGal
210E1005	Surface Preparation	0.280	Mile
210E2000	Shoulder Shaping	0.100	Mile
210E3500	Heavy Roadway Shaping	0.569	Mile
230E0100	Remove and Replace Topsoil	Lump Sum	LS
260E1030	Base Course, Salvaged	8,807.2	Ton
260E1080	Base Course, Salvaged, State Furnished	1,948.2	Ton
270E0110	Salvage and Stockpile Granular Material	8,807.2	Ton
320E1200	Asphalt Concrete Composite	8,398.3	Ton
320E7008	Grind 8" Rumble Strip or Stripe in Asphalt Concrete	0.4	Mile
332E0010	Cold Milling Asphalt Concrete	2,288	SqYd
380E5030	Nonreinforced PCC Pavement Repair	84.5	SqYd
380E6310	Seal Random Cracks in PCC Pavement	200	Ft
450E3012	24" RCP Arch Class 2, Furnish	4	Ft
450E3020	24" RCP Arch, Install	4	Ft
450E9001	Reset Pipe End Section	1	Each
600E0300	Type III Field Laboratory	1	Each
632E3500	Reset Sign	1	Each
633E0030	Cold Applied Plastic Pavement Marking, 24"	19	Ft
633E1200	High Build Waterborne Pavement Marking Paint, White	1,013	Gal
633E1201	High Build Waterborne Pavement Marking Paint with Reflective Elements, White	49	Gal
633E1205	High Build Waterborne Pavement Marking Paint, Yellow	483	Gal
633E1206	High Build Waterborne Pavement Marking Paint with Reflective Elements, Yellow	29	Gal
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	19	Ft
633E5100	Grooving for Durable Pavement Marking, 4"	14,630	Ft
633E6005	Pavement Marking Masking, 5"	610	Ft
633E6015	Pavement Marking Masking, 13"	2,491	Ft
634E0010	Flagging	492.0	Hour
634E0020	Pilot Car	228.0	Hour
634E0110	Traffic Control Signs	917.6	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	8	Each
634E0630	Temporary Pavement Marking	57.6	Mile
734E0010	Erosion Control	Lump Sum	LS
734E0151	9" Diameter Erosion Control Wattle	240	Ft
734E0604	High Flow Silt Fence	644	Ft

SPECIFICATIONS

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

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 commitme2nts 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 guestions regarding change orders in the field that may have an effect on an Environmental Commitment, the Project Engineer will contact the Environmental Engineer at 605-773-3180 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

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

COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

COMMITMENT B2: WHOOPING CRANE

The Whooping Crane is a spring and fall migratory bird in South Dakota that is about 5 feet tall and typically stops on wetlands, rivers, and agricultural lands along their migration route. An adult Whooping Crane is white with a red crown and a long, dark, pointed bill. Immature Whooping Cranes are cinnamon brown. While in flight, their long necks are kept straight and their long dark legs trail behind. Adult Whooping Cranes' black wing tips are visible during flight.

Action Taken/Required:

Harassment or other measures to cause the Whooping Crane to leave the site is a violation of the Endangered Species Act. If a Whooping Crane is sighted roosting in the vicinity of the project, borrow pits, or staging areas associated with the project, cease construction activities in the affected area until the Whooping Crane departs and immediately contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

Revised 12/

COMMITMENT B4: BALD EAGLE

Action Taken/Required:

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

COMMITMENT E: STORM WATER

Construction activities constitute less than 1 acre of disturbance.

Action Taken/Required:

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

COMMITMENT H: WASTE DISPOSAL SITE

The Contractor will furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

Action Taken/Required:

ROW.

The waste disposal site(s) will be managed and reclaimed in accordance with the following from the General Permit for Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Agriculture and Natural Resources.

The waste disposal site(s) will not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Environmental Office and the Project Engineer.

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements will apply:

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials will be buried in a trench separate from wood debris. The final cover over the construction and/or demolition debris will consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW will be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor will control the access to waste disposal sites not within the Public ROW with fences, gates, and placement of a sign or signs at the entrance to the site stating, "No Dumping Allowed".

2. Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period not to exceed the duration of the project. Prior to project completion, the waste will be removed from view of the ROW or buried, and the waste disposal site reclaimed as noted above.

STATE OF	PROJECT
SOUTH DAKOTA	IM-P-B 0905(00)212

Bald eagles are known to occur in this area.

Construction and/or demolition debris may not be disposed of within the Public

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.

TYPE III FIELD LABORATORY

The lab will be equipped with an internet connection such as DSL, cable modem, or other approved service. The internet connection will be provided with a multi-port wireless router. The internet connection will be a minimum speed of 5 Mbps unless limited by job location and approved by the DOT. Prior to installing the wireless router, the Contractor will submit the wireless router's technical data to the Area Office to check for compatibility with the state's computer equipment. The internet connection is intended for state personnel usage only. The Contractor's personnel are prohibited from using the internet connection unless pre-approved by the Project Engineer. These items will be incidental to the contract unit price per each for "Type III Field Laboratory".

INTERSECTION MODIFICATIONS AT INTERSTATE CROSSROADS

In order to facilitate wider turning movements, the in-place turning radii in the SE corner of the intersection of 286 Ave. and SD248 and in the SW corner of the intersection of 293 Ave. and SD248 will be extended. The shoulder on the NE side of the intersection of 286 Ave. and SD248 will be extended.

The radius in the SE corner of 286 Ave, and SD248 will be updated from an existing 85' simple curve to a 3-point compound curve. The stop sign at the intersection will be removed and reset further south, and a stop bar will be ground into the new surfacing. The existing pipe culvert under SD248 at MRM 220.84+0.020 will be lengthened on the south side to accommodate the extended inslopes.

The shoulder on the NE side of 286 Ave. and SD248 will be extended to facilitate wider turning movements. This extension will provide up to 3' of additional width to trucks on approach.

The radius in the SW corner of 293 Ave. and SD248 will be updated from an existing 85' simple curve to a 165' simple curve.

Refer to the "Intersection Modification Detail" sheets for more information.

Alignments for the cross sections showing the radius extensions run along the edge of existing radius surfacing and will be provided to the Contractor in .xml format.

PIPE EXTENSION

For pipe extensions that are outside the new surfaced shoulder as shown in the typical sections, acceptance tests in the lower one-half and upper one-half of pipe 48" or less in diameter may be performed by visual inspection to the satisfaction of the Engineer. All other MSTR pipe density testing requirements will apply.

REMOVE ASPHALT CONCRETE PAVEMENT

The Los Angeles Abrasion Loss value on the aggregate used for the in-place asphalt concrete was unknown.

An estimated 9291.4 Square Yards of the in-place asphalt concrete surfacing will be removed from the existing highways according to the in-place surfacing typical sections and intersection modification cross-sections and wasted as directed by the Engineer. Care will be taken not to waste the in-place granular material. The remaining in-place granular material will be salvaged and stockpiled.

The quantity of removed asphalt material is estimated from the in-place surfacing typical sections and includes digout and radius widening work. This estimated quantity is not included in the unclassified excavation quantities.

All asphalt concrete removed from end-of-section tapers by cold-milling will be disposed at stockpile site 3952 in the Southeast 1/4 of Section 22, Township 105 North, Range 77 West of the 5th P.M., Lyman County, South Dakota on the west side of US183 south Presho.

SALVAGE AND STOCKPILE GRANULAR MATERIAL

Salvage and Stockpile Granular Material is estimated to produce 8807.2 tons (4659.9 Cubic Yards) of granular material. All salvaged granular material produced is estimated to be re-used on this project.

An estimated 653.4 tons (345.7 Cubic Yards) of granular material will be salvaged between Exit 208 and SD248 according to the in-place surfacing typical sections and stockpiled on-site at an area satisfactory to the Engineer prior to re-use.

An estimated 7622.8 tons (4033.2 Cubic Yards) of granular material will be salvaged from 293rd Ave according to the in-place surfacing typical sections and stockpiled on-site at an area satisfactory to the Engineer prior to re-use.

An estimated 531.0 tons (281.0 CuYd) of granular material will be salvaged from other areas on the project, including SD248 shoulders and radius widening on 286th Ave. and 293rd Ave, and stockpiled on-site at an area satisfactory to the Engineer prior to re-use.

Salvaged material will be processed to meet the requirements of Section 884.2 D.8 prior to its re-use. The Contractor will ensure that no vegetation. topsoil, subgrade, or other foreign material is incorporated into the salvaged granular material.

The quantity of salvaged granular material may vary from the plans.

The quantity of salvageable material is estimated from the in-place surfacing typical sections. This estimated quantity was included in the unclassified excavation quantities.

ASPHALT CONCRETE COMPOSITE

Asphalt Concrete Composite will include MC-70 Asphalt for Prime placed at the rate of 0.30 gallons per square yard. The Asphalt for Prime will be applied to the Base Course, Salvaged or Base Course, Salvaged, State Furnished for the full width of the bottom layer of Asphalt Concrete Composite plus one foot additional on the outside shoulder.

Asphalt for tack SS-1h or CSS-1h will be applied prior to each lift of Asphalt Concrete Composite. Asphalt for tack will be applied at a rate of 0.09 gallons per square vard on existing pavement or milled asphalt concrete surfaces and at a rate of 0.06 gallons per square yard on primed base course or new asphalt concrete pavement. The Asphalt for tack will be applied for the full width of the bottom layer of Asphalt Concrete Composite plus one-half foot additional on the outside shoulder.

Asphalt for flush seal SS-1h or CSS-1h will be applied for the full width of the bottom layer of Asphalt Concrete Composite. Sand for flush seal will be applied at a width of 11 ft per lane.

Asphalt Binder.

Included in the Estimate of Quantities are 3,155 tons of Asphalt Concrete Composite for patching and spot repair on SD248 from Station a0+00 to Station a1120+03.52. The locations and extent of patching will be determined in the field by the Engineer.

UNCLASSIFIED EXCAVATION, DIGOUTS

The locations and extent of digout areas will be determined in the field by the Engineer. The backfilling material for the digouts will be Asphalt Concrete Composite and Base Course, Salvaged or Base Course, Salvaged, State Furnished. The depth of asphalt will match the in-place thickness.

Included in the Estimate of Quantities are 50 cubic yards of Unclassified Excavation, Digouts and 75 square yards of Remove Asphalt Concrete Pavement for the removal of asphalt and unstable material for Sections 1, 10, 11. and 12.

Included in the Estimate of Quantities are 100 tons of Base Course, Salvaged or Base Course, Salvaged, State Furnished and 25 tons of Asphalt Concrete Composite for backfill of Unclassified Excavation, Digouts for Sections 1, 10, 11, and 12.

Included in the Estimate of Quantities are 50 cubic yards of Unclassified Excavation, Digouts for the removal of unstable material for Sections 2, and 4.

Included in the Estimate of Quantities are 100 tons of Base Course. Salvaged or Base Course, Salvaged, State Furnished for backfill of Unclassified Excavation, Digouts for Sections 2 and 4.

The digouts will be extended through the shoulder and backfilled with granular material that will daylight to the inslope to allow water to escape the subsurface.

BASE COURSE, SALVAGED, STATE FURNISHED

Base Course, Salvaged, State Furnished estimated at 1948.2 tons (for informational purposes only) of granular material will be obtained from stockpile site 3952 in the Southeast 1/4 of Section 22, Township 105 North, Range 77 West of the 5th P.M., Lyman County, South Dakota on the west side of US183 south Presho. No gradation testing will be required for the Base Course, Salvaged. State Furnished material.

The Base Course, Salvaged, State Furnished is royalty free to the Contractor.

All other requirements for Base Course, Salvaged will apply.

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	IM-P-B 0905(00)212	6	56

The binder used in the Asphalt Concrete Composite mix will be PG 58-34

TABLE OF ADDITIONAL QUANTITIES

Description / Location	Surface Preparation (Mi)	Water For Granular Material (MGal)	Cold Milling Asphalt Concrete (SqYd)	Remove Asphalt Concrete Pavement (SqYd)	Contractor Furnished Borrow Excavation (CuYd)	Unclassified Excavation (CuYd)	Unclassified Excavation, Digouts (CuYd)	Base Course, Salvaged, State Furnished (Ton)	Salvage and Stockpile Granular Material (Ton)	Base Course, Salvaged (Ton)	MC-70 Asphalt for Prime (N.A.B.I.) (Ton)	Blotting Sand for Prime (N.A.B.I.) (Ton)
Granular Material to R.O.W.												
3 ~ Farm & Field Entrances	-	0.4	-	-	-	-	-	45.0		-	-	-
1 ~ Private Entrances	-	0.1	-	-	-	-	-	15.0		-	-	-
9 ~ Intersecting Road	-	1.3	-	-	-	-	-	135.0		-	-	-
Asphalt Shoulder (~11') w/Granular Material to R.O.W.												
2 ~ Private Entrances	-	0.2	-	-	-	-	-	22.0		-	-	-
* Asphalt to R.O.W.												
1 ~ Intersecting Roads	-	-	-	-	-	-	-	-		-	-	-
End of Project Taper Areas	-	-	2,288	-	-	-	-	-		-	-	-
SD248 Shoulder Repair (Gravel + Asphalt, refer to limits in notes)	-	0.6	-	-			-	50.0	26.3	26.3	0.4	1.7
SD248 Spot Repair (Sta. a0+00 to a1120+03.52)	-	-		-	-	-	-	-		-	-	-
286 Ave. (Exit 208 Crossroad) Sta1+35 to Sta. 2+65 (Typ. Sections 1, 2 & 3)	0.050	-	-	-	-	-	50	-	102.1	-	1.3	5.3
293 Ave. (Exit 214 Crossroad) Curb+Gutter Area, Sta. 12+65 to Sta. 15+25 (Typ. Section 8 & 9)	-	7.3	-	982.2	-	-	-	63.9	544.6	544.6	1.2	4.9
Digouts (Surfacing / Subgrade Repair Areas)	-	-	-	75.0	-	-	100	200.0	-	-	-	-
286 Ave. Radius Widening	-	4.1	-	26.1	109.5	412	-	192.7	144.1	144.1	0.2	0.6
SD248 Shoulder Extension @ 286 Ave.	-	2.0	-	101.7	112.2	333	-	50.1	114.2	114.2	0.1	0.3
293 Ave. Radius Widening	-	7.3	-	176.4	696	941	-	365.2	246.4	246.4	0.7	2.3
Project Totals	s 0.050	23.3	2,288	1,361.4	918	1,685	150	1,138.9	1,177.7	1,075.6	3.9	15.1

SUMMARY OF ASPHALT CONCRETE

Description / Location	Asphalt Concrete Composite (Ton)
Typ. Section 5	
26' Finished Roadway Surface	814.7
Typ. Section 7	
_32' Finished Roadway Surface	2,338.2
Typ. Section 10	
18' Finished Roadway Surface	66.7
Typ. Section 11	
18' Finished Roadway Surface	928.0
Typ. Section 12	
26' Finished Roadway Surface	337.8
Table of Additional Quantities	3,912.9
Totals =	8,398.3

Revised 12/10/2024 JDC

STATE OF SOUTH DAKOTA

PROJECT IM-P-B 0905(00)212

TOTAL SHEETS SHEET 11 56

SS-1h or SS-1h or CSS-1h CSS-1h otting and for Asphalt Asphalt For Asphalt For Sand For Heavy Concrete Tack Flush Seal Flush Seal Roadway rime A.B.I.) Composite (N.A.B.I.) (N.A.B.I.) (N.A.B.I.) Shaping (Ton) (Mi) (Ton) (Ton) (Ton) ōn) ------------- ---12.4 0.1 0.5 --43.7 0.1 2.1 --9.5 -0.1 0.3 -1.7 46.3 0.1 0.1 1.1 -3,155.0 8.7 105.2 16.4 -5.3 261.0 0.8 0.3 3.9 -4.9 218.2 0.6 0.2 2.5 0.049 --25.0 5.6 --0.6 27.7 0.1 0.1 0.5 -).3 12.6 0.1 0.1 0.2 -101.5 0.1 0.1 1.8 2.3 -

10.1

118.1

0.049

23.8

3,912.9