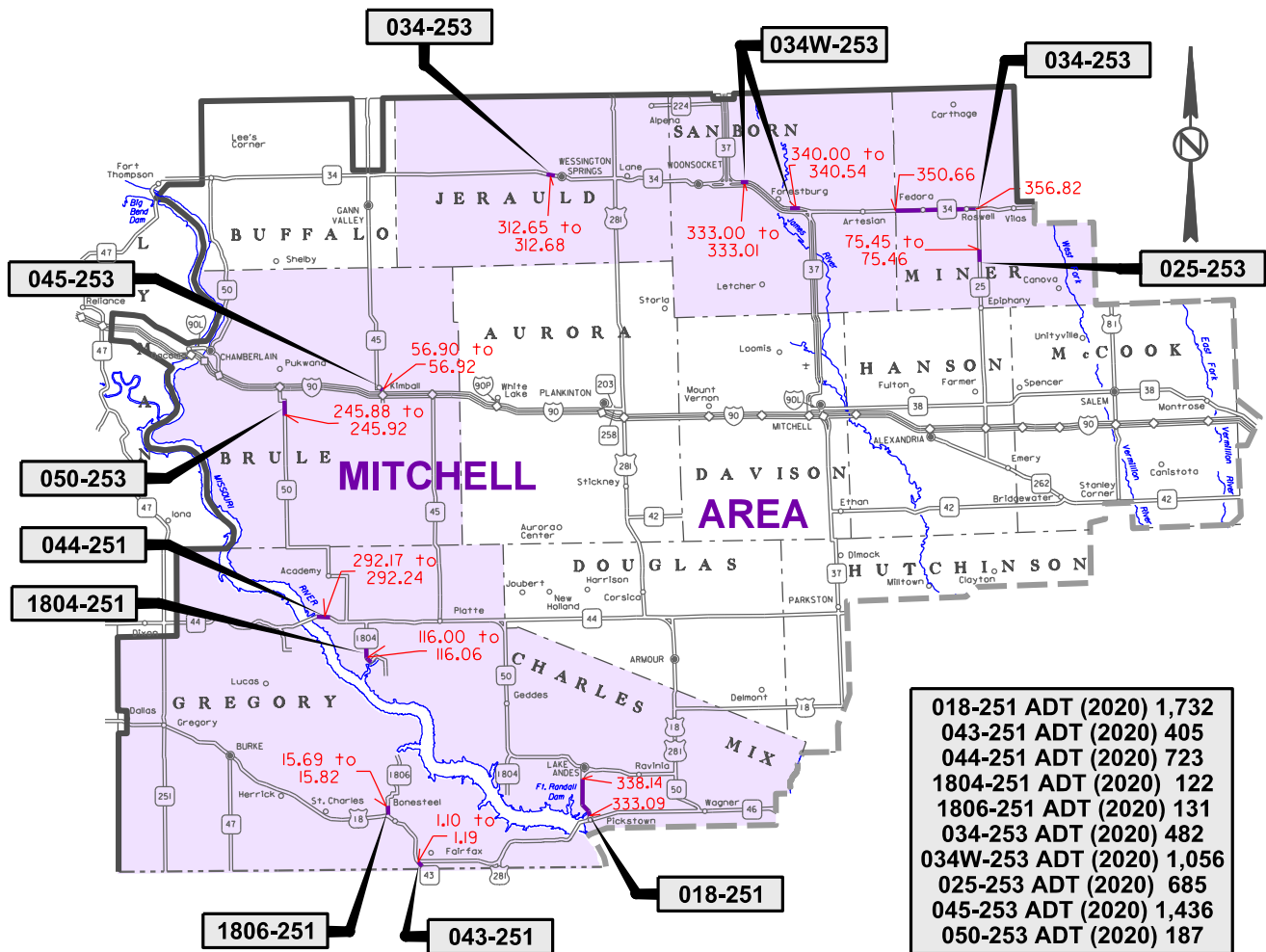


**STATE OF SOUTH DAKOTA  
DEPARTMENT OF TRANSPORTATION  
PLANS FOR PROPOSED**

**PROJECTS 018-251, 043-251, 044-251, 1804-251,  
1806-251, 034-253, 034W-253, 025-253, 045-253 & 050-253  
BRULE, CHARLES MIX, GREGORY,  
JERAULD, MINER & SANBORN COUNTIES  
SPOT ASPHALT CONCRETE RESURFACING  
PCN I6GF, I6GG, I6GH, I6GJ, I6GK, I6GL, I6GM, I6GN, I6GP,  
I6GQ & I6GR**



**STORM WATER PERMIT**  
(None required)

**INDEX OF SHEETS**

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**ESTIMATE OF QUANTITIES**

**018-251 PCN I6GF**

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	815.0	Ton

**043-251 PCN I6GG**

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	175.0	Ton

**044-251 PCN I6GH**

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	155.0	Ton

**1804-251 PCN I6GJ**

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	67.0	Ton

**1806-251 PCN I6GK**

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	147.0	Ton

**034-253 PCN I6GL**

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	36.0	Ton

**ESTIMATE OF QUANTITIES (CONTINUED)**

**034-253 PCN I6GM**

<b>BID ITEM NUMBER</b>	<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	156.0	Ton

**034W-253 PCN I6GN**

<b>BID ITEM NUMBER</b>	<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	67.0	Ton

**025-253 PCN I6GP**

<b>BID ITEM NUMBER</b>	<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	17.0	Ton

**045-253 PCN I6GQ**

<b>BID ITEM NUMBER</b>	<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	22.0	Ton

**050-253 PCN I6GR**

<b>BID ITEM NUMBER</b>	<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	22.0	Ton

## **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 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.

## **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.

## **COMMITMENT C: WATER SOURCE**

The Contractor will not withdraw water with equipment previously used outside the State of South Dakota or previously used in aquatic invasive species (AIS) positive waters within South Dakota without prior approval from the SDDOT Environmental Office. To prevent and control the introduction and spread of invasive species into the project vicinity, all equipment will be power washed with hot water ( $\geq 140$  °F) and completely dried for a minimum of 7 days prior to subsequent use. South Dakota administrative rule 41:10:04:02 forbids the possession and transport of AIS; therefore, all attached dirt, mud, debris and vegetation must be removed and all compartments and tanks capable of holding standing water must be drained. This includes, but is not limited to, all equipment, pumps, lines, hoses and holding tanks.

### **Action Taken/Required:**

The Contractor will obtain the necessary permits from the regulatory agencies such as the South Dakota Department of Environment and Natural Resources (DENR) and the United States Army Corps of Engineers (USACE) prior to water extraction activities.

Additional information and mapping of water sources impacted by Aquatic Invasive Species in South Dakota can be accessed at:

< <http://sdleastwanted.com/maps/default.aspx> >

< [South Dakota Administrative Rule 41:10:04 Aquatic Invasive Species:](https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04)  
<https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04> >

**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 (always include Commitment in notes)**

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

**Action Taken/Required:**

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 Environment 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.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06.

Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

Cost associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates and signs), and reclamation of the waste disposal site(s) will be incidental to the various contract items.

**COMMITMENT I: HISTORIC PRESERVATION OFFICE CLEARANCES**

State Historic Preservation Office (SHPO or THPO) concurrence has not been obtained for this project.

**Action Taken/Required:**

All earth disturbing activities require a cultural resource review prior to scheduling the pre-construction meeting. This work includes but is not limited to: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor will arrange and pay for a record search and when necessary, a cultural resource survey. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review if the site was previously surveyed; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor will provide ARC with the following: a topographical map or aerial view in which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

**COMMITMENT I: HISTORIC PRESERVATION OFFICE CLEARANCES (CONTINUED)**

The Contractor will submit the cultural resources survey report to SDDOT Environmental Office, 700 East Broadway Avenue, Pierre, SD 57501-2586. SDDOT will submit the information to the appropriate SHPO/THPO. Allow 30 Days from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

In the event of an inadvertent discovery of human remains, funerary objects, or if evidence of cultural resources is identified during project construction activities, then such activities within 100 feet of the inadvertent discovery will immediately cease and the Project Engineer will be immediately notified. The Project Engineer will contact the SDDOT Environmental Office, who will contact the appropriate SHPO/THPO within 48 hours of the discovery to determine an appropriate course of action.

The Contractor is responsible for obtaining any additional permits and clearances for Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas that affect wetlands, threatened and endangered species, or waterways. The Contractor will not utilize a site known or suspected of having contaminated soil or water. The Contractor will provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

**GENERAL SCOPE OF WORK**

Spot asphalt concrete resurfacing on various routes within the SDDOT Mitchell Area. See Tables in plans.

**TRAFFIC CONTROL**

Traffic Control and Flagging will be provided by the SDDOT Maintenance Forces. The Engineer must be given a 48 hour notice before work is to begin on an individual route to coordinate the traffic control and flagging with the maintenance forces.

**TABLES OF SPOT ASPHALT CONCRETE RESURFACING**

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
US18	333.00	0.094	333.00	0.217	EB	12	500	56
US18	333.00	0.254	333.00	0.354	EB	12	528	59
US18	335.00	0.172	335.00	0.310	BOTH	24	729	162
US18	335.00	0.815	335.00	0.868	BOTH	24	280	62
US18	335.00	0.868	335.00	0.900	EB	12	169	19
US18	336.00	0.357	336.00	0.472	BOTH	24	607	135
US18	336.00	0.518	336.00	0.600	BOTH	24	433	96
US18	337.00	0.473	337.00	0.522	EB	12	259	29
US18	337.00	0.744	337.00	0.770	BOTH	24	137	30
US18	337.00	0.860	337.00	0.890	EB	12	158	18
US18	337.00	0.978	338.00	0.092	EB	12	602	67
US18	338.00	.092	338.00	0.141	BOTH	24	259	57
US18	338.00	0.141	338.00	0.184	EB	12	227	25
<b>018-251 PCN I6GF Total Tons</b>								<b>815</b>

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD43	1.00	1.041	1.00	0.102	BOTH	24	324	72
SD43	1.00	0.102	1.00	0.190	BOTH	24	466	103
<b>043-251 PCN I6GG Total Tons</b>								<b>175</b>

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD44	292.00	0.170	292.00	0.240	Both	36	350	155*
<b>044-251 PCN I6GH Total Tons</b>								<b>155</b>

\*Patch depth may be near 2" in the slide area.

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD1804	116.00	0.000	116.00	0.057	BOTH	24	300	67
<b>1804-251 PCN I6GJ Total Tons</b>								<b>67</b>

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD1806	15.00	0.690	15.00	0.815	BOTH	24	660	147
<b>1806-251 PCN I6GK Total Tons</b>								<b>147</b>

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD34	312.00	0.650	312.00	0.680	BOTH	24	160	36
<b>034-253 PCN I6GL Total Tons</b>								<b>36</b>



**TABLES OF SPOT ASPHALT CONCRETE RESURFACING (CONTINUED)**

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD34	350.00	0.660	350.00	0.687	EB	12	145	16
SD34	351.00	0.270	351.00	0.289	EB	12	100	11
SD34	352.00	0.290	352.00	0.309	BOTH	24	100	22
SD34	352.00	0.550	352.00	0.583	EB	12	175	19
SD34	352.00	0.690	352.00	0.728	EB	12	200	22
SD34	352.00	0.690	352.00	0.691	WB	12	45	5
SD34	352.00	0.810	352.00	0.839	BOTH	24	75	17
SD34	353.00	0.000	353.00	0.014	EB	12	75	8
SD34	353.00	0.050	353.00	0.064	WB	12	75	8
SD34	355.00	0.330	355.00	0.351	WB	12	110	12
SD34	356.00	0.820	356.00	0.833	BOTH	24	70	16
<b>034-253 PCN I6GM Total Tons</b>								<b>156</b>

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD34W	333.00	0.000	333.00	0.010	WB	30	50	14
SD34W	340.00	0.000	340.00	0.010	WB	30	50	14
SD34W	340.00	0.500	340.00	0.510	WB	30	50	14
SD34W	340.00	0.530	340.00	0.540	WB	55	50	25
<b>034W-253 PCN I6GN Total Tons</b>								<b>67</b>

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD25	75.00	0.450	75.00	0.464	BOTH	24	75	17
<b>025-253 PCN I6GP Total Tons</b>								<b>17</b>

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD45	56.00	0.900	56.00	0.919	BOTH	24	100	22
<b>045-253 PCN I6GQ Total Tons</b>								<b>22</b>

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD50	245.00	0.880	245.00	0.899	BOTH	24	100	22
<b>050-253 PCN I6GR Total Tons</b>								<b>22</b>

These quantities and locations are based on 1.5" depth. Final locations and dimensions will be marked by the Engineer and are subject to change.