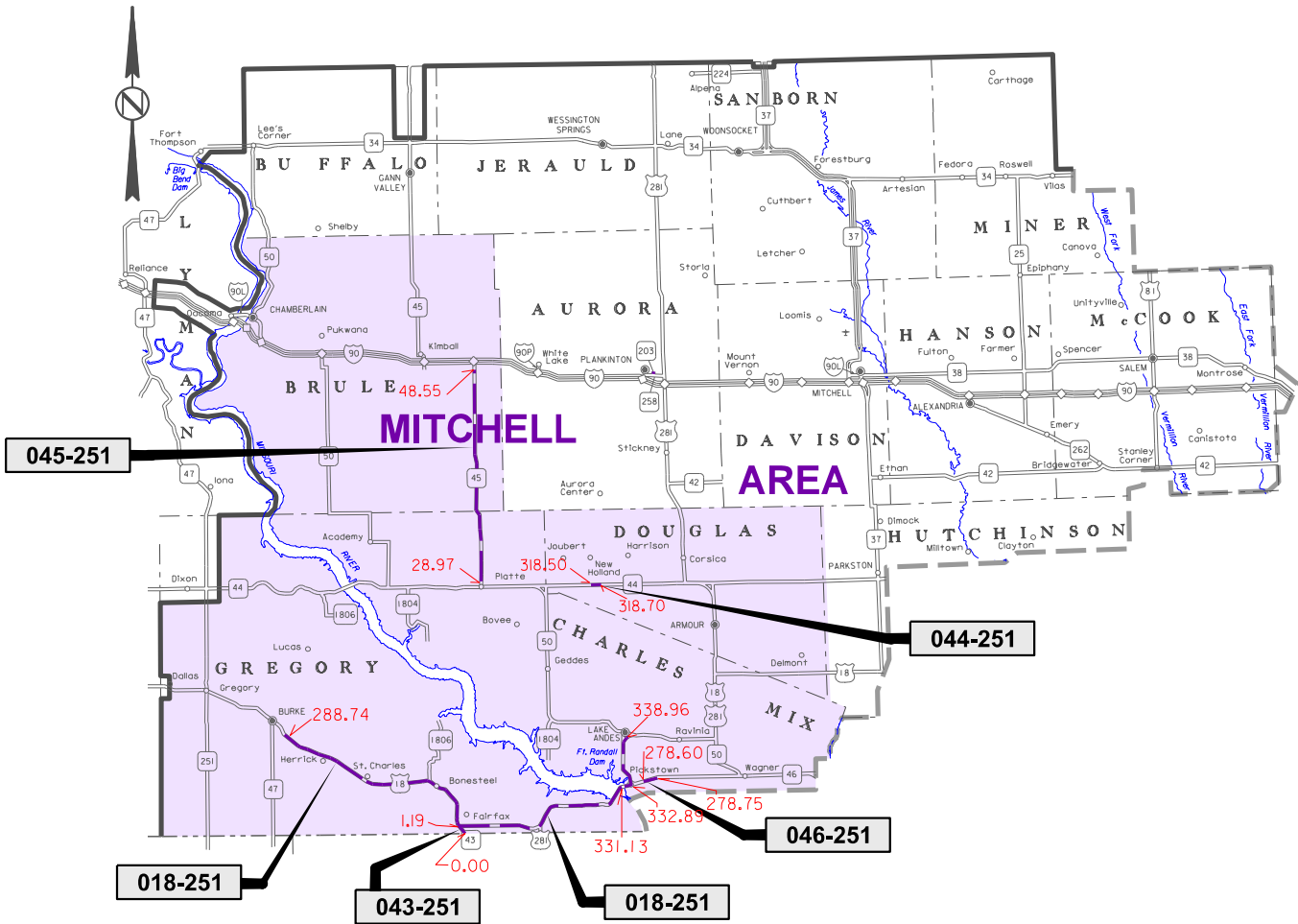


**STATE OF SOUTH DAKOTA  
DEPARTMENT OF TRANSPORTATION  
PLANS FOR PROPOSED**

**PROJECTS 018-251, 043-251, 044-251 045-251 & 046-251  
BRULE, CHARLES MIX, DOUGLAS & GREGORY COUNTIES  
SPOT ASPHALT CONCRETE RESURFACING  
PCN I4NG, I4NH, I4NJ, I4NK & I4NL**



018-251 ADT (2016) 1,010
043-251 ADT (2016) 352
044-251 ADT (2016) 1,383
045-251 ADT (2016) 1,049
046-251 ADT (2016) 2210

**STORM WATER PERMIT**  
(None required)

## INDEX OF SHEETS

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Sheets 4 & 5	Environmental Commitments & Plan Notes
Sheets 6 & 7	Tables of Spot Asphalt Concrete Resurfacing

**018-251, 043-251, 044-251, 045-251 & 046-251  
BRULE, CHARLES MIX, DOUGLAS & GREGORY COUNTIES**

**ESTIMATE OF QUANTITIES**

**018-251 PCN I4NG**

<b>BID ITEM NUMBER</b>	<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	1,062.0	Ton

**043-251 PCN I4NH**

<b>BID ITEM NUMBER</b>	<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	31.0	Ton

**044-251 PCN I4NJ**

<b>BID ITEM NUMBER</b>	<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	47.0	Ton

**045-251 PCN I4NK**

<b>BID ITEM NUMBER</b>	<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	796.0	Ton

**046-251 PCN I4NL**

<b>BID ITEM NUMBER</b>	<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	160.0	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**

An Environmental Commitment is a measure that SDDOT commits to implement in order to avoid, minimize, and/or mitigate a real or potential environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency mentioned below with permitting authority can influence a project if perceived 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. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office. The environmental commitments associated with this project are as follows:

**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 pit, or staging site associated with the project, cease construction activities in the affected area until the Whooping Crane departs and contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

**COMMITMENT H: WASTE DISPOSAL SITE**

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

**Action Taken/Required:**

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

The waste disposal site(s) shall 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) shall 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 Project Engineer.

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

1. Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials shall be buried in a trench completely separate from wood debris. The final cover over the construction and/or demolition debris shall consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW shall be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor shall control the access to waste disposal sites not within the Public ROW through the use of 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 of time not to exceed the duration of the project. Prior to project completion, the waste shall 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) shall be incidental to the various contract items.

**COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES**

The SDDOT has obtained concurrence with the State Historical Preservation Office (SHPO or THPO) for all work included within the project limits and all department designated sources and designated option material sources, stockpile sites, storage areas, and waste sites provided within the plans.

**Action Taken/Required:**

All earth disturbing activities not designated within the plans require review of cultural resources impacts. 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 shall arrange and pay for a cultural resource survey and/or records search. 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; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor shall provide ARC with the following: a topographical map or aerial view on 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.

The Contractor shall submit the records search or cultural resources survey report and if the location of the site is within the current geographical or historic boundaries of any South Dakota reservation to SDDOT Environmental Engineer, 700 East Broadway Avenue, Pierre, SD 57501-2586 (605-773-3180). 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.

If evidence for cultural resources is uncovered during project construction activities, then such activities shall cease and the Project Engineer shall be immediately notified. The Project Engineer will contact the SDDOT Environmental Engineer in order to determine an appropriate course of action.

SHPO/THPO review does not relieve the Contractor of the responsibility 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 shall 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**

All 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.

**018-251, 043-251, 044-251, 045-251 & 046-251  
BRULE, CHARLES MIX, DOUGLAS & GREGORY COUNTIES**

**TABLES OF SPOT ASPHALT CONCRETE RESURFACING**

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
US18	288.00	0.741	288.00	0.768	EB	12	143	16
US18	319.00	0.363	319.00	0.630	Both	24	1410	313
US18	319.00	0.800	319.00	0.999	Both	24	1051	233
US18	320.00	0.605	320.00	0.740	Both	24	713	158
US18	334.00	0.000	334.00	0.080	Both	24	422	94
US18	334.00	0.260	334.00	0.300	SB	12	211	23
US18	334.00	0.376	334.00	0.425	SB	12	259	29
US18	335.00	0.727	335.00	0.782	SB	12	290	32
US18	336.00	0.020	336.00	0.076	Both	24	296	66
US18	336.00	0.200	336.00	0.238	SB	12	201	22
US18	336.00	0.600	336.00	0.680	SB	12	422	47
US18	336.00	0.930	336.00	0.980	SB	12	264	29
<b>018-251 Total Tons</b>								<b>1062</b>

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD43	0.00	0.366	0.00	0.385	NB	12	100	11
SD43	0.00	0.416	0.00	0.433	Both	24	90	20
<b>043-251 Total Tons</b>								<b>31</b>

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD44	318.00	0.550	318.00	0.590	Both	24	211	47
<b>044-251 Total Tons</b>								<b>47</b>

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD45	28.00	0.973	28.00	0.999	Both	24	137	30
SD45	34.00	0.364	34.00	0.396	SB	12	169	19
SD45	37.00	0.912	37.00	0.972	SB	12	317	35
SD45	38.00	0.000	38.00	0.178	SB	12	940	104
SD45	40.00	0.328	40.00	0.377	SB	12	259	29
SD45	40.00	0.669	40.00	0.756	NB	12	459	51
SD45	44.00	0.410	44.00	0.433	SB	12	44	5
SD45	45.00	0.614	45.00	640	NB	12	46	5
SD45	46.00	0.035	46.00	0.054	NB	12	100	11
SD45	46.00	0.116	46.00	0.137	NB	12	111	12
SD45	47.00	0.080	47.00	0.109	NB	12	153	17
SD45	47.00	0.700	47.00	0.752	Both	24	275	61
SD45	47.00	0.960	47.00	0.982	SB	12	116	13
SD45	48.00	0.000	48.00	0.025	SB	12	132	15
SD45	48.00	0.025	48.00	0.338	Both	24	1653	367
SD45	48.00	0.506	48.00	0.543	SB	12	195	22
<b>045-251 Total Tons</b>								<b>796</b>

018-251, 043-251, 044-251, 045-251 & 046-251  
BRULE, CHARLES MIX, DOUGLAS & GREGORY COUNTIES

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

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD46	278.00	0.655	278.00	0.746	All 3	36	480	160
<b>046-251 Total Tons</b>								<b>160</b>

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