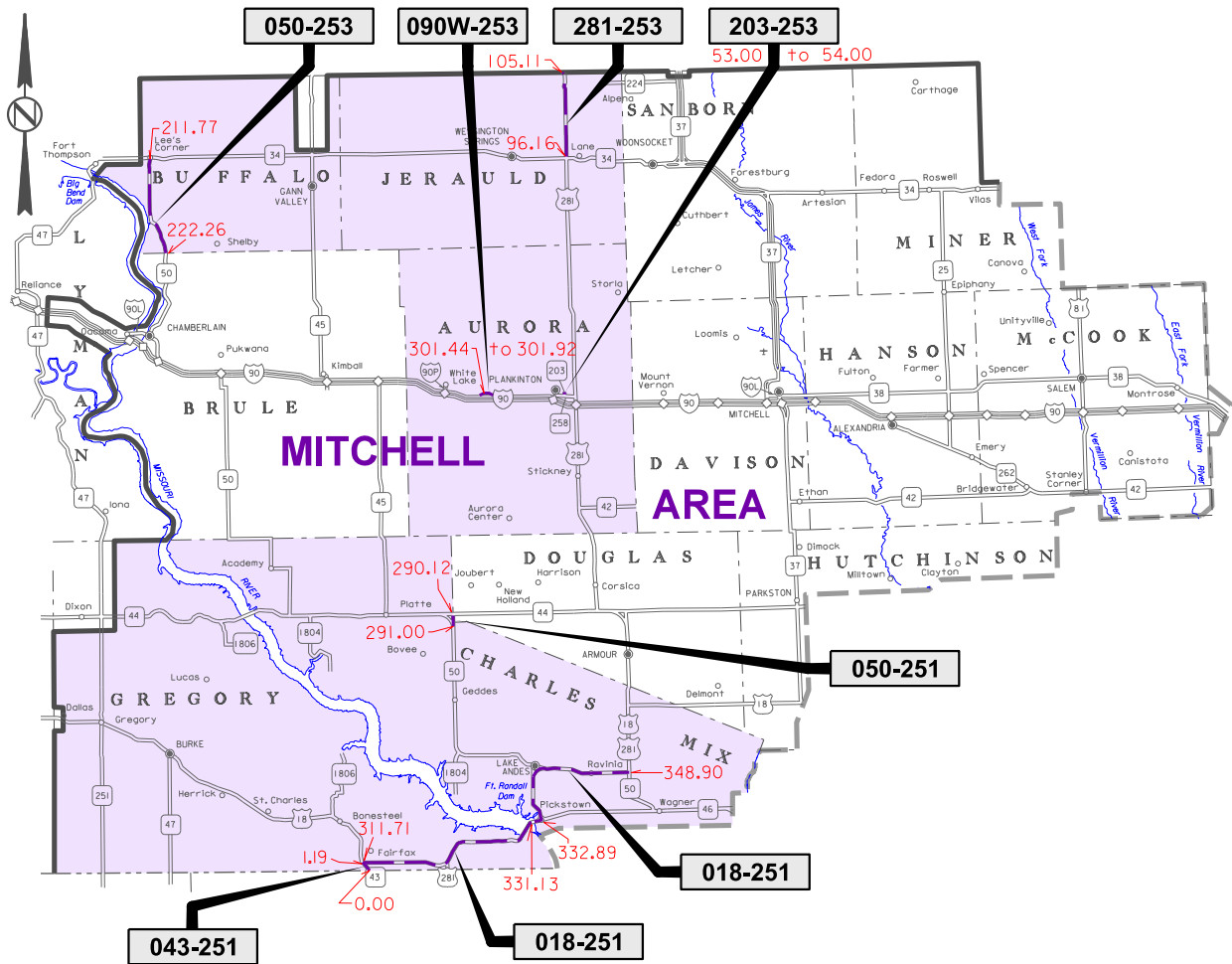


**STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED**

**PROJECTS 018-251, 043-251, 050-251,
050-253, 090W-253, 203-253 & 281-253
AURORA, BUFFALO, CHARLES MIX,
GREGORY & JERAULD COUNTIES
SPOT ASPHALT CONCRETE RESURFACING
PCN I45Q, I45R, I45U, I45V, I45W, I45T & I45X**



018-251 ADT (2015)	1,062
043-251 ADT (2015)	322
050-251 ADT (2015)	648
050-253 ADT (2015)	718
090W-253 ADT (2015)	3,850
203-253 ADT (2015)	161
281-253 ADT (2015)	1,524

STORM WATER PERMIT
(None required)

INDEX OF SHEETS

Sheet 1	Layout Map
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Sheet 3	Estimate of Quantities
Sheets 4 & 5	Plan Notes
Sheets 6 & 7	Tables of Spot Asphalt Concrete Resurfacing

**018-251, 043-251, 050-251, 050-253, 090W-253, 203-253 & 281-253
AURORA, BUFFALO, CHARLES MIX, GREGORY & JERAULD COUNTIES**

ESTIMATE OF QUANTITIES

018-251 PCN I45Q

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	672.0	Ton

043-251 PCN I45R

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	28.0	Ton

050-251 PCN I45U

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	12.0	Ton

050-253 PCN I45V

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	228.0	Ton

090W-253 PCN I45W

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

203-253 PCN I45T

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	777.0	Ton

281-253 PCN I45X

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
320E1200	Asphalt Concrete Composite	291.0	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.

COMMITMENT H: WASTE DISPOSAL SITE (CONTINUED)

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, 050-251, 050-253, 090W-253, 203-253 & 281-253
AURORA, BUFFALO, CHARLES MIX, GREGORY & JERAULD COUNTIES**

TABLES OF SPOT ASPHALT CONCRETE RESURFACING

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
US18	315.00	0.195	315.00	0.203	Both	34	42	13
US18	316.00	0.030	316.00	0.040	WB	12	53	6
US18	320.00	0.314	320.00	0.396	EB	12	433	48
US18	327.00	0.900	328.00	0.045	Both	24	766	150
US18	328.00	0.073	328.00	0.153	Both	24	422	94
US18	328.00	0.214	328.00	0.268	Both	24	285	63
US18	333.00	0.104	333.00	0.217	SB	12	597	66
US18	333.00	0.286	333.00	0.333	SB	12	248	28
US18	334.00	0.391	334.00	0.440	NB	12	259	29
US18	335.00	0.372	335.00	0.386	SB	12	74	8
US18	335.00	0.560	335.00	0.587	NB	12	143	16
US18	337.00	0.043	337.00	0.076	SB	12	174	19
US18	337.00	0.280	337.00	0.295	Both	24	79	18
US18	337.00	0.329	337.00	0.342	NB	12	69	8
US18	337.00	0.413	337.00	0.440	NB	12	143	16
US18	337.00	0.501	337.00	0.518	NB	12	90	10
US18	338.00	0.430	338.00	0.445	NB	12	79	9
US18	338.00	0.619	338.00	0.637	SB	12	95	11
US18	338.00	0.666	338.00	0.688	SB	12	116	13
US18	342.00	0.650	342.00	0.670	Both	24	106	21
US18	342.00	0.815	342.00	0.840	Both	24	132	26
018-251 Total Tons								672

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD43	0.00	0.740	0.00	0.760	Both	32	106	28
043-251 Total Tons								28

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD50	290.12	0.090	290.12	0.100	Both	24	53	12
050-251 Total Tons								12

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD50	213.00	0.000	213.00	0.057	NB	12	300	33
SD50	213.00	0.100	213.00	0.170	NB	12	370	41
SD50	214.00	0.000	214.00	0.038	Both	24	200	44
SD50	215.00	0.000	215.00	0.053	Both	24	280	62
SD50	217.00	0.000	217.00	0.011	Both	24	60	13
SD50	217.00	0.097	217.00	0.993	Both	24	120	27
SD50	220.00	0.000	220.00	0.013	SB	12	70	8
050-253 Total Tons								228

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AURORA, BUFFALO, CHARLES MIX, GREGORY & JERAULD COUNTIES**

TABLES OF SPOT ASPHALT CONCRETE RESURFACING (CONTINUED)

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
Rest Area WB	-	-	-	-	-	12	350	39
Rest Area WB	-	-	-	-	-	12	70	8
090W-253 Total Tons								47

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
SD203	53.00	0.337	54.00	0.000	Both	24	3500	777
203-253 Total Tons								777

Highway	MRM	DISP	MRM	DISP	Lane	Width	Length	Tons
US281	96.16	0.000	96.16	0.080	SB	12	425	47
US281	96.16	0.140	96.16	0.167	SB	12	140	16
US281	96.16	0.240	96.16	0.267	SB	12	140	16
US281	96.16	0.340	96.16	0.354	SB	12	75	8
US281	97.00	0.600	97.16	0.459	NB	12	100	11
US281	97.00	0.650	97.00	0.700	NB	12	300	33
US281	97.00	0.710	97.00	0.757	NB	12	300	33
US281	97.00	0.800	97.00	0.817	NB	12	90	10
US281	98.00	0.200	98.00	0.228	SB	12	150	17
US281	102.00	0.000	102.00	0.028	NB	12	150	17
US281	103.00	0.200	103.00	0.228	NB	12	150	17
US281	103.00	0.400	103.00	0.419	SB	12	100	11
US281	104.00	0.600	104.00	0.628	Both	24	150	33
US281	104.00	0.800	104.00	0.819	Both	24	100	22
281-253 Total Tons								291

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.