

January 22, 2020 thru February 3, 2020



**Highway
Department**

- Banner
 - 06-120-053 – Big Sioux River Bridge north of Bruce \$8,365.50
 - 06-100-122U – Small Structure North of Volga \$3,689.75
 - 06-100-159U – Small Structure South of Volga \$4,564.75
 - 06-112-080 - Big Sioux River Bridge south of Bruce \$3,599.50
 - Total \$20,219.50

- Black Strap - Salt/6 Semi Loads Total \$14,137.65

- CHS – Fuel – 3 Refills Brookings Total \$17,675.18
 - 2 Refills White
 - 2 Refills Sinai
 - 2 Refills Bruce

- SDDOT
 - 06-169-239 – Big Sioux River Bridge south on 77 (south) \$6,009.89
 - 06-147-200 – Big Sioux River Bridge 4s & 2.3w of Brookings on 216th St. \$4,212.74
 - Total \$10,222.63

- February 25, 2020 at 11:00 am publicly opened bids for Annual Supplies & Materials, Chip Seal, and asphalt patching.

- February 26 & 27, 2020 Annual MSHA (Miner Safety and Health Administration) Training

- February 27, 2020 Brookings County was granted **\$1,375,000** for the Sioux River north of Bruce. This award was thru the Bridge Improvement Grant (BIG) Program. This bridge will be replaced in its entirety, will keep the board informed on how this project moves forward.

- March 3, 2020 John Ritterhaas updated the Highway Department of progress on the bridges south on BC77; February 28, 2020 deck pour took place on the south structure, so the contractor will be removing false work and anything that would be prone to flooding now that we are starting to see temps above freezing. Work will commence as soon as the river levels allow on the north structure.

- The Highway Department staff were able to get out and perform crack sealing maintenance on BC9 just outside of Brookings. We will continue to try and get out and do these types of maintenance items as weather permits.

- March 16, 2020 Annual Load Limits will go into effect, the load limits will be in effect as long as the signs are in place and I will keep the board updated when they will be taken down.

2020 Bridge Improvement Grant Rehabilitation/Replacement Awards

No.	County / City (By Preservation Score Ranking)	STRUCTURE NUMBER	LOCATION	DOT Preservation Score	Estimated Total Project Cost (design & Construction Only)	Estimated Construction Engineering (CE)	Grant Amount Requested	Match Ratio (Grant/Local)	Grant Amount Recommended
1	LAKE	40-190-192	Structure 6.2S & 6.0E of Madison on 461st Ave. over North Buffalo Creek SN 40-190-192	77.986	\$ 493,000.00	\$ 69,700.00	\$ 246,500.00	50/50	\$ 246,500.00
2	BROOKINGS	06-120-053	Structure 1.7N of Bruce on 466th Ave. over the Big Sioux River SN 06-120-053	67.896	\$ 2,750,000.00	\$ 160,000.00	\$ 1,375,000.00	50/50	\$ 1,375,000.00
3	BUTTE	10-262-330	Structure 1N & 4.7W of Newell on Schmele Road over Indian Creek SN 10-262-330	63.268	\$ 1,707,669.00	\$ 199,221.00	\$ 1,366,135.20	80/20	\$ 1,366,200.00
4	BON HOMME	05-220-016	Structure 1W of Scotland on 423rd Ave. over Dawson Creek SN 05-220-016	62.546	\$ 694,463.16	\$ 105,898.71	\$ 555,570.53	80/20	\$ 568,400.00
5	BUTTE	10-191-390	Structure 9.1E & 1.0S of Belle Fourche on Snoma Road over Maloney Creek SN 10-191-390	60.619	\$ 817,201.00	\$ 145,840.00	\$ 653,760.80	80/20	\$ 666,600.00
6	LAWRENCE	41-165-066	Structure 2.6S of St. Onge on St. Onge Road over False Bottom Creek SN 41-165-066	60.454	\$ 286,872.00	\$ 120,538.00	\$ 143,436.00	50/50	\$ 143,500.00
7	BEADLE	03-091-110	Structure 4.0N & 1.9W of Wolsey on 201st St. over Cain Creek SN 03-091-110	56.800	\$ 466,353.63	\$ 37,521.29	\$ 373,082.90	80/20	\$ 460,800.00
8	BEADLE	03-029-010	Structure 11N & 2.9E of Wessington on 191st St. over Turtle Creek SN 03-029-010	55.880	\$ 974,618.37	\$ 66,067.01	\$ 779,694.70	80/20	\$ 800,200.00
9	DAVISON	18-070-153	Structure 5.3S & 4E of Mt Vernon on 401st Ave. over Enemy Creek SN 18-070-153	53.601	\$ 686,775.06	\$ 73,940.99	\$ 549,420.05	80/20	\$ 549,500.00
10	WATERTOWN (CITY)	15-181-170	Structure 0.3E of 10th St. NW in Watertown on 3rd Ave. NW over the Big Sioux River SN 15-181-170	52.738	\$ 1,695,247.71	\$ 85,303.19	\$ 1,356,198.17	80/20	\$ 1,356,200.00
11	MARSHALL	46-141-000	Structure 1.0N & 3.1E of Britton on 100th St. over Wild Rice Creek SN 46-141-000	52.601	\$ 1,044,796.02	\$ 83,025.40	\$ 685,617.00	65/35	\$ 685,700.00
12	LAWRENCE	41-163-053	Structure 0.1W & 1.3S of St. Onge on St. Onge Road over False Bottom Creek SN 41-163-053	52.444	\$ 360,590.00	\$ 150,979.00	\$ 180,295.00	50/50	\$ 180,300.00
13	DAY	19-013-020	Structure 4N & 5.7W of Pierpont on 126th St. over Trib. to Mud Creek SN 19-013-020	51.390	\$ 344,822.36	\$ 46,945.86	\$ 206,893.42	60/40	\$ 217,800.00
14	AURORA	02-178-040	Structure 1.8E & 11.0N of Plankinton on 242nd St. over a creek SN 02-178-040	49.834	\$ 411,106.11	\$ 91,594.16	\$ 328,884.89	80/20	\$ 351,100.00
15	SPINK	58-140-224	Structure 4.0E & 2.6N of Redfield on 390th Ave. over the James River SN 58-140-224	48.240	\$ 1,773,136.63	\$ 120,163.82	\$ 1,241,195.64	70/30	\$ 1,311,600.00
							\$ 10,041,684.29		\$ 10,279,400.00

Brookings County Projects Plan 2020

Work Type	Road #	Road Information	(Township)	Funding	Miles	Estimated Cost	
						per mile	Estimated Total Cost
Chip Seal	CoRd 7	466 Ave. from 196-211			16	\$21,500.00	\$344,000.00
	CoRd 4	199 St. from 459-464			7	\$21,500.00	\$150,500.00
	CoRd 5	464 Ave. from 201-211			10	\$21,500.00	\$215,000.00
	CoRd 9	469 Ave. from 204-211			7	\$21,500.00	\$150,500.00
					4-311-4250	40	\$860,000.00
Overlay/Patch	CoRd 6 (2" mat)	204 St. from 466 - 471 Ave	Sterling		5	\$115,000.00	\$575,000.00
	CoRd 38 (2" mat)	201 St. from 471-478 Ave.	Argo Township		7	\$115,000.00	\$805,000.00
	CoRd 4 (thin lift)	199 St. from 454-462 Ave.	Laketon and Preston Township		8	\$60,000.00	\$480,000.00
					4-311-4250	20	\$1,860,000.00
Equipment		Relaces	Year	Estimated Cost			
Equipment	Dump Truck	Freightliner	2012				\$230,000.00
	pick up	1/2 ton Chevy	2004				\$45,000.00
	Mechanic Service truck	Chevy	2004				\$100,000.00
	loader	CAT	2003				\$250,000.00
					4-311-4340		\$625,000.00
Gravel	80,000	ton		4-311-4260		\$6.00	\$480,000.00

2020 Chip Seal Totals

	Contracted	County	Fog Seal
BC4	69555.95	72096.95	9804.35
BC4(Bruce)	7530.73	7856.50	993.33
BC5	176961.96	183477.36	24875.72
BC7	310634.89	320538.30	45730.13
BC9	120540.94	125101.72	16779.44
BC35	61359.83	63640.22	8596.83
Total	746584.30	772711.05	106779.80

Budget	860000.00	860000.00
Contract	746584.30	County 772711.05
	113415.70	87288.95
Fog Seal	106779.80	106779.80
	6635.90	-19490.85

I did not bid the fog seal work to be completed by Contract forces, the reason being we have the equipment to perform the work and to ensure the fog seal is applied in ideal conditions. This is something we can look into in the future but I like to have control when the material is applied.

2020 Brookings County Chip Seal Project Materials Cost Brookings County Road 4							
Estimated Cumulative Square Yard Total	60707	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		21	637.43	11.60	7394.14		
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		0.35	90.42	488.58	44174.97	Material Total	
						51569.11	
							Contractor Total
							17986.84
							Estimated Total Project
							69555.95
							Co. Labor Total
							20527.85
							72096.95
							-2541.01

2020 Brookings County Chip Seal Project Materials Cost Intersecting Roads					
Estimated Square Yard Total	1485	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total
		21	15.59	11.60	180.87
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total
		0.35	2.21	488.58	1080.59
					Material Total
					1261.47

2020 Brookings County Chip Seal Project Materials Cost Mainline Road					
Estimated Mainline Square Yard Total	59222	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total
		21	621.83	11.60	7213.27
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total
		0.35	88.20	488.58	43094.37
					Material Total
					50307.64

Estimated Cost per mile material prices computed using the 2020 Annual Bid Unit Prices (3.9 Miles)	13222.85
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Estimated Cost per mile for contractor computed using the 2020 Annual Bid Unit Prices	4612.01	Contractor Total
		17986.84

Estimated combined total Materials and Contractor furnished Installation per mile	17834.86
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Estimated Cost per mile for Brookings County computed using the 2019 costs inflated 3% Equipment/Fuel/Labor	5263.55	Co. Labor Total
		20527.85

Estimated combined total Materials and Brookings County furnished Installation	18486.40
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2020 Brookings County Chip Seal Project Materials Cost Brookings County Road 4 (Bruce)						
Estimated Cumulative Square Yard Total	6151	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total	
		21	64.58	11.60	749.14	
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total	
		0.35	9.16	488.58	4475.59	
						Material Total
						5224.73
2020 Brookings County Chip Seal Project Materials Cost Intersecting Roads						
Estimated Square Yard Total	125	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total	
		21	1.31	11.60	15.23	
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total	
		0.35	0.19	488.58	90.96	
						Material Total
						106.18
2020 Brookings County Chip Seal Project Materials Cost Mainline Road						
Estimated Mainline Square Yard Total	6026	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total	
		21	63.27	11.60	733.91	
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total	
		0.35	8.97	488.58	4384.63	
						Material Total
						5118.54
Estimated Cost per mile material prices computed using the 2020 Annual Bid Unit Prices (0.5 Miles)						
						10449.45
Estimated Cost per mile for contractor computed using the 2020 Annual Bid Unit Prices						
						4612.01
Estimated combined total Materials and Contractor furnished Installation						
						15061.46
Estimated Cost per mile for Brookings County computed using the 2019 costs inflated 3% Equipment/Fuel/Labor						
						5263.55
Estimated combined total Materials and Brookings County furnished Installation						
						15713.00
						Contractor Total
						2306.01
						Co. Labor Total
						2631.78
						Estimated Total Project
						7530.73
						7856.50
						-325.77

2020 Brookings County Chip Seal Project Materials Cost Brookings County Road 5

Estimated Cumulative Square Yard Total	154027	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total
		21	1617.29	11.60	18760.516
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total
		0.35	229.40	488.58	112081.35

Contractor Total	46120.10	Estimated Total Project	176961.96
Co. Labor Total	52635.50		183477.36
Material Total	130841.86		-6515.40

2020 Brookings County Chip Seal Project Materials Cost Intersecting Roads

Estimated Square Yard Total	1465	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total
		21	15.38	11.60	178.44
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total
		0.35	2.18	488.58	1066.04

Material Total	1244.48
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2020 Brookings County Chip Seal Project Materials Cost Mainline Road

Estimated Mainline Square Yard Total	152562	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total
		21	1601.90	11.60	18582.08
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total
		0.35	227.22	488.58	111015.31

Material Total	129597.39
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Estimated Cost per mile material prices computed using the 2020 Annual Bid Unit Prices (10.0 Miles)	13084.19
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Estimated Cost per mile for contractor computed using the 2020 Annual Bid Unit Prices	4612.01	Contractor Total	46120.10
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Estimated combined total Materials and Contractor furnished Installation	17696.20
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Estimated Cost per mile for Brookings County computed using the 2019 costs inflated 3% Equipment/Fuel/Labor	5263.55	Co. Labor Total	52635.50
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Estimated combined total Materials and Brookings County furnished Installation	18347.74
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2020 Brookings County Chip Seal Project Materials Cost Brookings County Road 9							
Estimated Cumulative Square Yard Total	103896	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		21	1090.91	11.60	12654.55		
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		0.35	154.74	488.58	75602.33	Material Total	
						88256.87	
							Contractor Total
							32284.07
							Estimated Total Project
							120540.94
							Co. Labor Total
							36844.85
							125101.72
							-4560.78
2020 Brookings County Chip Seal Project Materials Cost Intersecting Roads							
Estimated Square Yard Total	1535	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		21	16.12	11.60	186.96		
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		0.35	2.29	488.58	1116.98	Material Total	
						1303.94	
2020 Brookings County Chip Seal Project Materials Cost Mainline Road							
Estimated Mainline Square Yard Total	102361	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		21	1074.79	11.60	12467.58		
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		0.35	152.45	488.58	74485.35	Material Total	
						86952.93	
Estimated Cost per mile material prices computed using the 2020 Annual Bid Unit Prices (7.0 Miles)							
12608.12							
Estimated Cost per mile for contractor computed using the 2020 Annual Bid Unit Prices							
4612.01						Contractor Total	
						32284.07	
Estimated combined total Materials and Contractor furnished Installation							
17220.13							
Estimated Cost per mile for Brookings County computed using the 2019 costs inflated 3% Equipment/Fuel/Labor							
5263.55						Co. Labor Total	
						36844.85	
Estimated combined total Materials and Brookings County furnished Installation							
17871.67							

2020 Brookings County Chip Seal Project Materials Cost Brookings County Road 35							
Estimated Cumulative Square Yard Total	53230	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		21	558.92	11.60	6483.468		
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		0.35	79.28	488.58	38734.32	Material Total	
						45217.79	
2020 Brookings County Chip Seal Project Materials Cost Intersecting Roads							
Estimated Square Yard Total	566	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		21	5.94	11.60	68.94		
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		0.35	0.84	488.58	411.86	Material Total	
						480.80	
2020 Brookings County Chip Seal Project Materials Cost Mainline Road							
Estimated Mainline Square Yard Total	52664	Rock Pounds Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		21	552.98	11.60	6414.53		
		CRS2P Shot Rate Gallons Sq. Yd.	Tons	2020 Bid Unit Price	Total		
		0.35	78.44	488.58	38322.46	Material Total	
						44736.99	
Estimated Cost per mile material prices computed using the 2020 Annual Bid Unit Prices (3.5 Miles)							
						12919.37	
Estimated Cost per mile for contractor computed using the 2020 Annual Bid Unit Prices							
						4612.01	Contractor Total
						16142.04	
Estimated combined total Materials and Contractor furnished Installation							
						17531.38	
Estimated Cost per mile for Brookings County computed using the 2019 costs inflated 3% Equipment/Fuel/Labor							
						5263.55	Co. Labor Total
						18422.43	
Estimated combined total Materials and Brookings County furnished Installation							
						18182.92	