

Project: 2023 SANITARY SEWER CIPP LINING  
 Location: VARIOUS

A/E Firm: BANNER ASSOCIATES, INC.  
 Address: 409 22ND AVENUE SOUTH  
 City/State/Zip: BROOKING, SD 57006  
 Phone No.: 605.692.6342  
 Value of OFM: \$

Bid Estimate: \$ 1,224,179.00  
 Budget: \$ 675,440.00  
 Letting Date: 03/09/23  
 Time: 2:15 PM

H & W Contracting,  
 Bidder: LLC  
 3416 W. Hovland  
 Address: Drive  
 Sioux Falls, SD  
 City/State/Zip: 57107  
 Phone No.: 605.339.8834

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Unit Price	Total Price
1	9.0010	Mobilization	LS	1	\$ 601,000.00	\$ 601,000.00
2	100.0100	Clearing	LS	1	\$ 1,250.00	\$ 1,250.00
3	634.0110	Traffic Control	SqFt	447	\$ 1.35	\$ 603.45
4	634.0120	Traffic Control, Miscellaneous	LS	1	\$ 4,750.00	\$ 4,750.00
5	634.0265	Type 3 Barricade, 6' Double Sided	Each	5	\$ 54.00	\$ 270.00
6	634.0285	Type 3 Barricade, 8' Double Sided	Each	33	\$ 65.00	\$ 2,145.00
7	634.0420	Type C Advance Warning Arrow Panel	Each	1	\$ 216.00	\$ 216.00
8	634.1215	Contractor Furnished Portable Changeable Message Sign	Each	1	\$ 540.00	\$ 540.00
9	230.0020	Placing Contractor Furnished Topsoil	CuYd	35	\$ 85.00	\$ 2,975.00
10	730.0301	Quality Green Turf Mix	Lb	11	\$ 86.50	\$ 951.50
11	731.0100	Fertilizing	Lb	14	\$ 1.10	\$ 15.40
12	120.6300	Water For Vegetation	Mgal	12	\$ 81.00	\$ 972.00
13	731.0200	Weed Control	SqYd	206	\$ 0.02	\$ 4.12
14	731.0210	Weed Control - Project	LS	1	\$ 325.00	\$ 325.00
15	732.0100	Fiber Mulching	Ton	0.5	\$ 2,600.00	\$ 1,300.00
16	734.0601	Silt Fence	Ft	258	\$ 5.40	\$ 1,393.20
17	734.0850	Inlet Protection	Each	9	\$ 86.50	\$ 778.50
18	734.5010	Sweeping	Hour	21	\$ 165.00	\$ 3,465.00
19	950.5410	Temporary Manhole Construction Frame and Cover	Each	7	\$ 100.00	\$ 700.00
20	100.0020	Clear and Grub Tree	Each	3	\$ 2,250.00	\$ 6,750.00
21	110.0300	Remove Concrete Curb and Gutter	Ft	64	\$ 15.00	\$ 960.00
22	110.0520	Remove Sewer Pipe	Ft	113	\$ 10.00	\$ 1,130.00
23	110.1010	Remove Asphalt Concrete Pavement	SqYd	410	\$ 6.00	\$ 2,460.00
24	110.1100	Remove Concrete Pavement	SqYd	148	\$ 10.00	\$ 1,480.00
25	110.8100	Saw Existing Asphalt	Ft	465	\$ 69.00	\$ 32,085.00
26	110.8110	Saw Existing PCC Pavement	Ft	96	\$ 20.00	\$ 1,920.00
27	110.7800	Remove Chain Link Fence For Reset	Ft	30	\$ 22.00	\$ 660.00
28	120.0010	Unclassified Excavation	CuYd	237	\$ 20.00	\$ 4,740.00
29	120.0100	Unclassified Excavation, Digouts	CuYd	75	\$ 20.00	\$ 1,500.00
30	250.0020	Incidental Work, Grading	LS	1	\$ 500.00	\$ 500.00
31	831.0050	Geotextile Fabric For Subgrade Stabilization	SqYd	50	\$ 5.00	\$ 250.00
32	SPECIAL	Remove Manhole Frame and Cone Section	Each	2	\$ 900.00	\$ 1,800.00
33	900.0450	Valve Box Adjustment	Each	1	\$ 300.00	\$ 300.00
34	SPECIAL	6" Sanitary Sewer Pipe 16' to 18' Deep	Ft	7	\$ 325.00	\$ 2,275.00
35	950.0101	8" Sanitary Sewer Pipe 6' to 8' Deep	Ft	29	\$ 315.00	\$ 9,135.00
36	950.0102	8" Sanitary Sewer Pipe 8' to 10' Deep	Ft	8	\$ 415.00	\$ 3,320.00
37	950.0201	10" Sanitary Sewer Pipe 6' to 8' Deep	Ft	20	\$ 225.00	\$ 4,500.00
38	950.0202	10" Sanitary Sewer Pipe 8' to 10' Deep	Ft	20	\$ 425.00	\$ 8,500.00
39	950.0203	10" Sanitary Sewer Pipe 10' to 12' Deep	Ft	10	\$ 425.00	\$ 4,250.00
40	950.0206	10" Sanitary Sewer Pipe 16' to 18' Deep	Ft	14	\$ 350.00	\$ 4,900.00
41	950.0401	15" Sanitary Sewer Pipe 6' to 8' Deep	Ft	5	\$ 450.00	\$ 2,250.00
42	SPECIAL	6" Sanitary Sewer Pipe Bedding Material	Ft	7	\$ 9.00	\$ 63.00
43	950.2000	8" Sanitary Sewer Pipe Bedding Material	Ft	37	\$ 10.00	\$ 370.00
44	950.2001	10" Sanitary Sewer Pipe Bedding Material	Ft	64	\$ 11.00	\$ 704.00
45	950.2003	15" Sanitary Sewer Pipe Bedding Material	Ft	5	\$ 14.00	\$ 70.00
46	950.3002	8"X 4" Sewer Wye/Tap	Each	1	\$ 500.00	\$ 500.00
47	950.3101	6" Sewer Couplings	Each	1	\$ 200.00	\$ 200.00
48	950.3102	8" Sewer Coupling	Each	8	\$ 225.00	\$ 1,800.00
49	950.3103	10" Sewer Coupling	Each	9	\$ 300.00	\$ 2,700.00
50	950.3104	15" Sewer Coupling	Each	1	\$ 550.00	\$ 550.00
51	950.3403	10" Sewer Cleanout Assembly	Each	1	\$ 3,500.00	\$ 3,500.00
52	950.4001	48" Manhole 6'-8' Deep	Each	1	\$ 10,000.00	\$ 10,000.00
53	950.4101	48" Lined Manhole 6'-8' Deep	Each	1	\$ 12,500.00	\$ 12,500.00
54	950.4106	48" Lined Manhole 16'-18' Deep	Each	1	\$ 65,000.00	\$ 65,000.00
55	SPECIAL	Install City Provided 48" FRP Manhole Liner 20'-22' Deep	Each	2	\$ 22,500.00	\$ 45,000.00
56	950.4801	6" Boots For Manhole	Each	1	\$ 300.00	\$ 300.00
57	950.4802	8" Boots For Manhole	Each	3	\$ 350.00	\$ 1,050.00
58	950.4803	10" Boots For Manhole	Each	2	\$ 450.00	\$ 900.00
59	950.4805	15" Boots For Manhole	Each	1	\$ 550.00	\$ 550.00
60	950.4910	Reconnect Sewer Service	Each	1	\$ 750.00	\$ 750.00
61	950.4950	4" Sanitary Sewer Service	Ft	2	\$ 210.00	\$ 420.00
62	950.5000	Adjust Manhole	Each	7	\$ 850.00	\$ 5,950.00
63	950.5100	Connection Into Existing Manhole	Each	2	\$ 1,000.00	\$ 2,000.00
64	950.5120	Manhole Bench and Invert Reconstruct	Each	2	\$ 3,500.00	\$ 7,000.00
65	950.5200	Trench Dewatering	LS	1	\$ 1.00	\$ 1.00
66	950.5250	Sanitary Sewer Temporary Bypass	LS	1	\$ 34,750.00	\$ 34,750.00
67	SPECIAL	MH1010017A Excavation Safety System	LS	1	\$ 35,000.00	\$ 35,000.00
68	950.5300	Manhole Frame and Cover	Each	5	\$ 700.00	\$ 3,500.00
69	950.5310	Manhole Frame with Bolt Down Cover Plate	Each	2	\$ 1,700.00	\$ 3,400.00
70	950.5600	Manhole Exfiltration/Vacuum Test	Each	5	\$ 500.00	\$ 2,500.00
71	SPECIAL	Stainless Steel FRP Support System	Each	2	\$ 25,000.00	\$ 50,000.00

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72	SPECIAL	Mortar & Epoxy Rehab of Junction Box Section	Each	2	\$ 29,000.00	\$ 58,000.00
73	998.0100	Railroad Protective Insurance	LS	1	\$ 4,500.00	\$ 4,500.00
74	SPECIAL	Railroad Flagger	Hour	156	\$ 100.00	\$ 15,600.00
75	SPECIAL	CIPP Lining of 6" VCP Sanitary Sewer	LF	216	\$ 47.20	\$ 10,195.20
76	SPECIAL	CIPP Lining of 8" VCP Sanitary Sewer	LF	1042	\$ 39.55	\$ 41,211.10
77	SPECIAL	CIPP Lining of 8" DIP Sanitary Sewer	LF	81	\$ 86.10	\$ 6,974.10
78	SPECIAL	CIPP Lining of 8" DIP Sanitary Sewer under Building	LF	111	\$ 39.55	\$ 4,390.05
79	SPECIAL	CIPP Lining of 10" VCP Sanitary Sewer	LF	1654	\$ 39.85	\$ 65,911.90
80	SPECIAL	CIPP Lining of 24" RCP Sanitary Sewer	LF	158	\$ 295.50	\$ 46,689.00
81	SPECIAL	6" Preliner	LF	45	\$ 5.85	\$ 263.25
82	SPECIAL	24" Preliner	LF	158	\$ 8.10	\$ 1,279.80
83	SPECIAL	Lateral Liner	Each	9	\$ 3,500.00	\$ 31,500.00
84	SPECIAL	Lateral Liner Additional Footage (For Bidding Purposes Only)	LF	5	\$ 108.00	\$ 540.00
85	SPECIAL	Lateral Pre-lining Clean and Televis	LF	27	\$ 245.00	\$ 6,615.00
86	SPECIAL	Lateral Final Televis	LF	27	\$ 108.00	\$ 2,916.00
87	SPECIAL	Cleaning 6" VCP Sanitary Sewer	LF	216	\$ 5.10	\$ 1,101.60
88	SPECIAL	Cleaning 8" VCP Sanitary Sewer	LF	1042	\$ 5.10	\$ 5,314.20
89	SPECIAL	Cleaning 8" DIP Sanitary Sewer	LF	81	\$ 5.10	\$ 413.10
90	SPECIAL	Cleaning 8" DIP Sanitary Sewer under Building	LF	111	\$ 5.10	\$ 566.10
91	SPECIAL	Cleaning 10" VCP Sanitary Sewer	LF	1654	\$ 5.10	\$ 8,435.40
92	SPECIAL	Cleaning 24" RCP Sanitary Sewer	LF	158	\$ 5.10	\$ 805.80
93	SPECIAL	Root and Mineral Removal	Hour	54	\$ 406.50	\$ 21,951.00
94	SPECIAL	Grind Protruding Service Tap	Each	3	\$ 464.60	\$ 1,393.80
95	SPECIAL	Dye Test	Each	2	\$ 232.30	\$ 464.60
96	SPECIAL	Pre-television Inspection	LF	3262	\$ 0.87	\$ 2,837.94
97	SPECIAL	Post-television Inspection	LF	3262	\$ 0.43	\$ 1,402.66
98	SPECIAL	Service Reinstatement	Each	15	\$ 71.75	\$ 1,076.25
99	SPECIAL	Continuous Fiber Optic Reading	LF	45	\$ 21.60	\$ 972.00
100	SPECIAL	Point Repair - Sewer Main	Each	2	\$ 4,000.00	\$ 8,000.00
101	SPECIAL	Point Repair - Sewer Lateral	Each	1	\$ 3,500.00	\$ 3,500.00
102	120.6200	Water For Granular Material	Mgal	5	\$ 25.00	\$ 125.00
103	260.1010	Aggregate Base Course	Ton	423	\$ 28.00	\$ 11,844.00
104	260.3010	Gravel Surfacing	Ton	35	\$ 30.00	\$ 1,050.00
105	380.0050	8" Nonreinforced PCC Pavement	SY	26	\$ 130.00	\$ 3,380.00
106	320.1250	Asphalt Concrete for Patching	Ton	166	\$ 265.00	\$ 43,990.00
107	380.3520	6" PCC Approach Pavement	SY	122	\$ 75.60	\$ 9,223.20
108	380.6115	Insert Steel Bar in Concrete Pavement, No. 5	Each	18	\$ 65.00	\$ 1,170.00
109	621.0520	Reset Chain Link Fence	Ft	30	\$ 130.00	\$ 3,900.00
110	650.7000	Concrete Curb & Gutter Type SF66	Ft	64	\$ 70.25	\$ 4,496.00
111	SPECIAL	Wall Modifications and Masonry Repair	LS	1	\$ 2,500.00	\$ 2,500.00

**TOTAL GROSS BID**

**Total Bid \$ 1,446,845.22**

**ALTERNATE 1**

112	9.0010	Mobilization	LS	1	\$ 50,750.00	\$ 50,750.00
113	634.0110	Traffic Control	SqFt	351	\$ 1.35	\$ 473.85
114	634.0120	Traffic Control, Miscellaneous	LS	1	\$ 5,000.00	\$ 5,000.00
115	634.0285	Type 3 Barricade, 8' Double Sided	Each	6	\$ 65.00	\$ 390.00
116	635.0285	TYPE C ADVANCE WARNING ARROW PANEL	Each	1	\$ 216.00	\$ 216.00
117	634.1215	Contractor Furnished Portable Changeable Message Sign	Each	1	\$ 540.00	\$ 540.00
118	950.5250	Sanitary Sewer Temporary Bypass	LS	1	\$ 540.00	\$ 540.00
119	SPECIAL	CIPP Lining of 8" VCP Sanitary Sewer	LF	2285	\$ 44.30	\$ 101,225.50
120	SPECIAL	CIPP Lining of 10" VCP Sanitary Sewer	LF	401	\$ 44.30	\$ 17,764.30
121	SPECIAL	CIPP Lining of 12" VCP Sanitary Sewer	LF	103	\$ 69.35	\$ 7,143.05
122	SPECIAL	Lateral Liner	Each	14	\$ 3,510.00	\$ 49,140.00
123	SPECIAL	Lateral Liner Additional Footage (For Bidding Purposes Only)	LF	5	\$ 108.00	\$ 540.00
124	SPECIAL	Lateral Pre-lining Clean and Televis	LF	42	\$ 245.00	\$ 10,290.00
125	SPECIAL	Lateral Final Televis	LF	42	\$ 108.00	\$ 4,536.00
126	SPECIAL	Cleaning 8" VCP Sanitary Sewer	LF	2285	\$ 3.25	\$ 7,426.25
127	SPECIAL	Cleaning 10" VCP Sanitary Sewer	LF	401	\$ 3.25	\$ 1,303.25
128	SPECIAL	Cleaning 12" VCP Sanitary Sewer	LF	103	\$ 3.25	\$ 334.75
129	SPECIAL	Root and Mineral Removal	Hour	29	\$ 406.40	\$ 11,785.60
130	SPECIAL	Grind Protruding Service Tap	Each	4	\$ 464.50	\$ 1,858.00
131	SPECIAL	Dye Test	Each	6	\$ 232.35	\$ 1,394.10
132	SPECIAL	Pre-television Inspection	LF	2789	\$ 0.55	\$ 1,533.95

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Item No.	Std. Bid Item No.	Description	Unit	Quantity	Unit Price	Total Price
133	SPECIAL	Post-television Inspection	LF	2789	\$ 0.43	\$ 1,199.27
134	SPECIAL	Service Reinstatement	Each	37	\$ 71.85	\$ 2,658.45
135	SPECIAL	Point Repair - Sewer Lateral	Each	1	\$ 3,500.00	\$ 3,500.00
<b>TOTAL ALTERNATE 1 BID</b>					<b>Total Bid</b>	<b>\$ 281,542.32</b>

**ALTERNATE 2**

136	9.0010	Mobilization	LS	1	\$ 38,260.00	\$ 38,260.00
137	634.0110	Traffic Control	SqFt	579	\$ 1.35	\$ 781.65
138	634.0120	Traffic Control, Miscellaneous	LS	1	\$ 4,320.00	\$ 4,320.00
139	634.0265	Type 3 Barricade, 6' Double Sided	Each	1	\$ 54.00	\$ 54.00
140	634.0285	Type 3 Barricade, 8' Double Sided	Each	33	\$ 65.00	\$ 2,145.00
141	634.0420	Type C Advance Warning Arrow Panel	Each	3	\$ 220.00	\$ 660.00
142	634.1215	Contractor Furnished Portable Changeable Message Sign	Each	3	\$ 540.00	\$ 1,620.00
143	734.0850	Inlet Protection	Each	1	\$ 86.40	\$ 86.40
144	734.5010	Sweeping	Hour	2	\$ 165.00	\$ 330.00
145	950.5410	Temporary Manhole Construction Frame and Cover	Each	1	\$ 100.00	\$ 100.00
146	110.0300	Remove Concrete Curb and Gutter	Ft	17	\$ 15.00	\$ 255.00
147	110.0520	Remove Sewer Pipe	Ft	10	\$ 10.00	\$ 100.00
148	110.1100	Remove Concrete Pavement	SqYd	54	\$ 10.00	\$ 540.00
149	110.8110	Saw Existing PCC Pavement	Ft	81	\$ 15.00	\$ 1,215.00
150	120.0010	Unclassified Excavation	CuYd	21	\$ 20.00	\$ 420.00
151	831.0050	Geotextile Fabric For Subgrade Stabilization	SqYd	5	\$ 5.00	\$ 25.00
152	950.0201	10" Sanitary Sewer Pipe 6' to 8' Deep	Ft	10	\$ 225.00	\$ 2,250.00
153	950.2001	10" Sanitary Sewer Pipe Bedding Material	Ft	10	\$ 11.00	\$ 110.00
154	950.3103	10" Sewer Coupling	Each	1	\$ 300.00	\$ 300.00
155	950.5000	Adjust Manhole	Each	1	\$ 850.00	\$ 850.00
156	950.5100	Connection Into Existing Manhole	Each	1	\$ 1,000.00	\$ 1,000.00
157	950.5200	Trench Dewatering	LS	1	\$ 1.00	\$ 1.00
158	950.5250	Sanitary Sewer Temporary Bypass	LS	1	\$ 2,500.00	\$ 2,500.00
159	950.5300	Manhole Frame and Cover	Each	1	\$ 700.00	\$ 700.00
160	SPECIAL	CIPP Lining of 10" VCP Sanitary Sewer	LF	472	\$ 44.30	\$ 20,909.60
161	SPECIAL	Lateral Liner	Each	10	\$ 3,510.00	\$ 35,100.00
162	SPECIAL	Lateral Pre-lining Clean and Televis	LF	30	\$ 245.00	\$ 7,350.00
163	SPECIAL	Lateral Final Televis	LF	30	\$ 108.00	\$ 3,240.00
164	SPECIAL	Cleaning 10" VCP Sanitary Sewer	LF	472	\$ 3.25	\$ 1,534.00
165	SPECIAL	Root and Mineral Removal	Hour	5	\$ 406.40	\$ 2,032.00
166	SPECIAL	Grind Protruding Service Tap	Each	2	\$ 464.50	\$ 929.00
167	SPECIAL	Dye Test	Each	3	\$ 232.30	\$ 696.90
168	SPECIAL	Pre-television Inspection	LF	472	\$ 0.55	\$ 259.60
169	SPECIAL	Post-television Inspection	LF	472	\$ 0.44	\$ 207.68
170	SPECIAL	Service Reinstatement	Each	10	\$ 71.85	\$ 718.50
171	120.6200	Water For Granular Material	Mgal	1	\$ 27.00	\$ 27.00
172	260.1010	Aggregate Base Course	Ton	44	\$ 30.25	\$ 1,331.00
173	380.0050	8" Nonreinforced PCC Pavement	SY	54	\$ 130.00	\$ 7,020.00
174	380.6000	Dowel Bar	Each	28	\$ 38.00	\$ 1,064.00
175	380.6115	Insert Steel Bar in Concrete Pavement, No. 5	Each	36	\$ 65.00	\$ 2,340.00
176	650.7040	Concrete Curb & Gutter Type SF68	Ft	17	\$ 86.50	\$ 1,470.50
<b>TOTAL ALTERNATE 2 BID</b>					<b>Total Bid</b>	<b>\$ 144,852.83</b>