

## **City Council Agenda**

City Council Chambers, City Hall, 612 N. Main Street

*Committee Meetings (if any) will be first; immediately followed by the City Council Meeting.*

**1. 6:00 P.m. Call To Order**

**2. Pledge Of Allegiance**

**3. Roll Call**

**4. Action To Award Bid For Sanborn Construction Project- Phase I**

*One of the following alternates will be awarded:*

*Concrete alternative, Two Way Traffic (October Substantial Completion): Motion to award Bid Schedule "A", Bid Schedule "C" with Alternate C8 and Alternate 1- two way traffic beginning June 29th to BX Civil & Construction for the total of \$1,860,723.70.*

*Concrete Alternative, Full Closure (July Substantial Completion): Motion to award Bid Schedule "A", Bid Schedule "C", with Alternate C8 and Alternate 2- Full Road Closure, to BX Civil and Construction for the total of \$1,859,222.70*

Documents:

[SANBORN STAFF REPORT.PDF](#)

[BID TAB - MITCHELL SOUTH SANBORN - AWARD FOR CITY 1.29.18.PDF](#)

[EXECUTIVE SUMMARY - EUAC ASPHALT VS. CONCRETE SURFACING.PDF](#)

[EXECUTIVE SUMMARY - GRAVEL BASE COURSE ALTERNATES.PDF](#)

[SANBORN PHASE 1 BID.PDF](#)

**5. Motion To Adjourn**

Individuals with disabilities who require special assistance to take part in this meeting may contact one of the following at City Hall (605) 995-8420 at least 24 hours prior to the meeting with requests for assistance: Human Resources Officer, Finance Officer, Public Works Director, or City Administrator.

# CITY OF MITCHELL

City Council Meeting  
Agenda Item Request



*The deadline for agenda items is Wednesday at noon, prior to the City Council Meeting*

Meeting Date Requested:  Requested By:

Desired Action of City Council:  Authorization  Approval  Resolution  
 Ordinance  Citizen Request  Discussion

Amount Budgeted in current fiscal year for this item (if applicable):

Agenda Item:

Explanation/Background of Agenda Item Requested:

**Budget:**  
General Fund- Streets & Sidewalk \$1,900,000  
Water Distribution: improvements \$260,000  
Waste Water: \$210,000  
  
Total Budget: \$2,370,000

Bids were opened on Friday, January 26th for the Sanborn Project. The project was bid with Asphalt and Concrete alternatives. The concrete alternative was the lower cost of the bids received. In addition to the upfront cost savings, the calculated life cycle savings for concrete in lieu of asphalt is \$130,000. Based on the up front cost savings, and life cycle cost savings; we are recommending that the Council choose the concrete alternate.

The City also had two different construction timelines bid as alternatives. The first would have the street closed through the duration of the project, with an expected project completion timeline of July. The second option would have the street closed during utility work, but the street would open to limited two-way traffic effective June 29th. This option would push the final completion of the project into October versus July. The low bidder for each of these time lines (and the concrete alternative) was BX Civil & Construction from Dell Rapids SD. The low bids are listed below:

Concrete alternative, Two Way Traffic (October Substantial Completion): Motion to award Bid Schedule "A", Bid Schedule "C" with Alternate C8 and Alternate 1- two way traffic beginning June 29th to BX Civil & Construction for the total of \$1,860,723.70.

Concrete Alternative, Full Closure (July Substantial Completion): Motion to award Bid Schedule "A", Bid Schedule "C", with Alternate C8 and Alternate 2- Full Road Closure, to BX Civil and Construction for the total of \$1,859,222.70

# CITY OF MITCHELL

City Council Meeting  
Agenda Item Request



*The deadline for agenda items is Wednesday at noon, prior to the City Council Meeting*

The Council will need to choose which of the alternates will be awarded. Both of these alternates +\$258,000 professional fees are within the budget approved for 2018 (listed above).

**Sanborn Boulevard Utility and Street Improvements Phase I**  
 Mitchell, South Dakota  
 SPN Project No. 14547  
**BID SCHEDULE A**

Item	Description	Quantity	BX Civil and Construction PO Box 187 Dell Rapids SD 57022		Thorstad Companies 101 2nd St. W. Chokio MN 56221		T&R Contracting 5000 N. Gulby Avenue Sioux Falls SD 57104		Hulstein Excavating, Inc. 147 175th Avenue Edgerton Mn 56128		First Rate Excavate Inc. 1509 E. 39th St., N. Sioux Falls SD 57104		H & W Contracting, LLC 3416 W. Hovland Drive Sioux Falls SD 57107		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization	1 LS	\$83,500.00	\$83,500.00	\$75,192.40	\$75,192.40	\$243,200.00	\$243,200.00	\$127,000.00	\$127,000.00	\$428,233.00	\$428,233.00	\$397,000.00	\$397,000.00	\$117,044.40	\$117,044.40
2	Remove Concrete Curb and Gutter	3,046 LF	\$5.00	\$15,230.00	\$9.31	\$28,358.26	\$4.50	\$13,707.00	\$5.30	\$16,143.80	\$4.95	\$15,077.70	\$3.00	\$9,138.00	\$4.00	\$12,184.00
3	Remove Concrete Pavement	12,430 SY	\$10.00	\$124,300.00	\$9.56	\$118,830.80	\$5.50	\$68,365.00	\$6.25	\$77,687.50	\$8.25	\$102,547.50	\$7.00	\$87,010.00	\$5.00	\$62,150.00
4	Remove Concrete Surfacing Adjacent to Sidewalk	441 SY	\$6.00	\$2,646.00	\$10.31	\$4,546.71	\$5.50	\$2,425.50	\$5.65	\$2,491.65	\$6.60	\$2,910.60	\$6.00	\$2,646.00	\$5.00	\$2,205.00
5	Remove Concrete Approach Pavement	613 SY	\$6.00	\$3,678.00	\$10.31	\$6,320.03	\$5.50	\$3,371.50	\$5.90	\$3,616.70	\$6.60	\$4,045.80	\$6.00	\$3,678.00	\$5.00	\$3,065.00
6	Remove Concrete Sidewalk	1,275 SY	\$12.50	\$15,937.50	\$8.69	\$11,079.75	\$5.50	\$7,012.50	\$5.35	\$6,821.25	\$3.85	\$4,908.75	\$6.00	\$7,650.00	\$4.00	\$5,100.00
7	Remove Asphalt Pavement	548 SY	\$5.00	\$2,740.00	\$9.07	\$4,970.36	\$5.50	\$3,014.00	\$4.75	\$2,603.00	\$2.75	\$1,507.00	\$4.50	\$2,466.00	\$4.00	\$2,192.00
8	Remove Asphalt Pavement Adjacent to Sidewalk	448 SY	\$5.00	\$2,240.00	\$9.07	\$4,063.36	\$5.50	\$2,464.00	\$4.75	\$2,128.00	\$3.30	\$1,478.40	\$4.50	\$2,016.00	\$4.00	\$1,792.00
9	Remove, Salvage and Reset Storm Pipe	360 LF	\$22.00	\$7,920.00	\$55.25	\$19,890.00	\$19.44	\$6,998.40	\$11.50	\$4,140.00	\$40.00	\$14,400.00	\$25.00	\$9,000.00	\$20.00	\$7,200.00
10	Remove, Salvage and Reset Street Sign	21 EA	\$24.00	\$504.00	\$24.84	\$521.64	\$43.20	\$907.20	\$23.50	\$493.50	\$22.00	\$462.00	\$25.00	\$525.00	\$200.00	\$4,200.00
11	Remove and Dispose Landscape Rock	27 SY	\$6.00	\$162.00	\$6.21	\$167.67	\$12.00	\$324.00	\$6.00	\$162.00	\$5.00	\$135.00	\$8.00	\$216.00	\$20.00	\$540.00
12	Remove and Dispose Light Pole and Base	6 EA	\$1,600.00	\$9,600.00	\$372.54	\$2,235.24	\$450.00	\$2,700.00	\$1,075.00	\$6,450.00	\$800.00	\$4,800.00	\$500.00	\$3,000.00	\$500.00	\$3,000.00
13	4" Asphalt Surfacing	120 TN	\$120.00	\$14,400.00	\$90.65	\$10,878.00	\$108.00	\$12,960.00	\$85.00	\$10,200.00	\$80.30	\$9,636.00	\$110.00	\$13,200.00	\$105.00	\$12,600.00
14	Geotextile Fabric Separator	14,360 SY	\$1.50	\$21,540.00	\$2.11	\$30,299.60	\$2.25	\$32,310.00	\$1.80	\$25,848.00	\$1.15	\$16,514.00	\$3.00	\$43,080.00	\$2.75	\$39,490.00
15	9" Concrete Surfacing	3,262 SY	\$60.00	\$195,720.00	\$63.33	\$206,582.46	\$58.10	\$189,522.20	\$75.50	\$246,281.00	\$60.60	\$197,677.20	\$57.00	\$185,934.00	\$80.00	\$260,960.00
16	6" Concrete Surfacing	268 SY	\$50.00	\$13,400.00	\$70.26	\$18,829.68	\$61.20	\$16,401.60	\$57.00	\$15,276.00	\$60.00	\$16,080.00	\$55.00	\$14,740.00	\$60.00	\$16,080.00
17	Gravel Surfacing	200 TN	\$20.00	\$4,000.00	\$18.01	\$3,602.00	\$22.00	\$4,400.00	\$22.00	\$4,400.00	\$15.00	\$3,000.00	\$20.00	\$4,000.00	\$18.00	\$3,600.00
18	8" Concrete Approach Pavement	1,042 SY	\$55.00	\$57,310.00	\$88.99	\$92,727.58	\$72.70	\$75,753.40	\$80.25	\$83,620.50	\$68.40	\$71,272.80	\$62.75	\$65,385.50	\$80.00	\$83,360.00
19	6" Concrete Sidewalk	13,138 SF	\$6.50	\$85,397.00	\$8.35	\$109,702.30	\$7.10	\$93,279.80	\$7.65	\$100,505.70	\$5.58	\$73,310.04	\$5.10	\$67,003.80	\$7.00	\$91,966.00
20	Concrete Steps at Station 77+75	1 LS	\$1,250.00	\$1,250.00	\$3,171.87	\$3,171.87	\$2,850.00	\$2,850.00	\$900.00	\$900.00	\$1,800.00	\$1,800.00	\$1,650.00	\$1,650.00	\$1,000.00	\$1,000.00
21	Type 1 Detectable Warning Panel	150 SF	\$40.00	\$6,000.00	\$44.72	\$6,708.00	\$55.00	\$8,250.00	\$36.00	\$5,400.00	\$42.00	\$6,300.00	\$38.50	\$5,775.00	\$60.00	\$9,000.00
22	Type 2 Detectable Warning Panel	30 SF	\$40.00	\$1,200.00	\$70.55	\$2,116.50	\$60.00	\$1,800.00	\$42.00	\$1,260.00	\$48.00	\$1,440.00	\$44.00	\$1,320.00	\$70.00	\$2,100.00
23	9" Concrete Curb and Gutter	122 LF	\$24.00	\$2,928.00	\$54.87	\$6,694.14	\$28.00	\$3,416.00	\$29.00	\$3,538.00	\$23.70	\$2,891.40	\$21.75	\$2,653.50	\$19.00	\$2,318.00
24	Curb and Gutter Joint Repair	26 EA	\$70.00	\$1,820.00	\$544.96	\$14,168.96	\$1,565.00	\$40,690.00	\$350.00	\$9,100.00	\$180.00	\$4,680.00	\$165.00	\$4,290.00	\$500.00	\$13,000.00
25	Adjust Building Siding	27 LF	\$60.00	\$1,620.00	\$43.89	\$1,185.03	\$65.00	\$1,755.00	\$20.00	\$540.00	\$150.00	\$4,050.00	\$20.00	\$540.00	\$25.00	\$675.00
26	Remove Hydrant	1 EA	\$480.00	\$480.00	\$304.08	\$304.08	\$432.00	\$432.00	\$342.00	\$342.00	\$225.00	\$225.00	\$350.00	\$350.00	\$400.00	\$400.00
27	8"x6" MJ Tee	4 EA	\$670.00	\$2,680.00	\$616.83	\$2,467.32	\$604.80	\$2,419.20	\$690.00	\$2,760.00	\$385.00	\$1,540.00	\$600.00	\$2,400.00	\$750.00	\$3,000.00
28	6"x6"x8" MJ Tee	1 EA	\$720.00	\$720.00	\$658.66	\$658.66	\$648.00	\$648.00	\$741.00	\$741.00	\$421.00	\$421.00	\$850.00	\$850.00	\$750.00	\$750.00
29	8" MJ 45 Degree Bend	6 EA	\$480.00	\$2,880.00	\$470.54	\$2,823.24	\$432.00	\$2,592.00	\$615.00	\$3,690.00	\$264.00	\$1,584.00	\$550.00	\$3,300.00	\$750.00	\$4,500.00
30	6" MJ Cap	1 EA	\$240.00	\$240.00	\$163.98	\$163.98	\$216.00	\$216.00	\$504.00	\$504.00	\$160.00	\$160.00	\$200.00	\$200.00	\$400.00	\$400.00
31	8" Gate Valve w/ Box	3 EA	\$2,200.00	\$6,600.00	\$1,973.20	\$5,919.60	\$1,998.00	\$5,994.00	\$2,010.00	\$6,030.00	\$1,462.00	\$4,386.00	\$1,650.00	\$4,950.00	\$2,000.00	\$6,000.00
32	6" Gate Valve w/ Box	6 EA	\$1,800.00	\$10,800.00	\$1,437.53	\$8,625.18	\$1,620.00	\$9,720.00	\$1,735.00	\$10,410.00	\$1,052.00	\$6,312.00	\$1,100.00	\$6,600.00	\$1,500.00	\$9,000.00
33	Adjust Valve Box to Grade	11 EA	\$130.00	\$1,430.00	\$171.85	\$1,890.35	\$275.00	\$3,025.00	\$470.00	\$5,170.00	\$200.00	\$2,200.00	\$500.00	\$5,500.00	\$300.00	\$3,300.00
34	6" PVC Water Main	242 LF	\$25.00	\$6,050.00	\$44.42	\$10,749.64	\$22.68	\$5,488.56	\$31.25	\$7,562.50	\$31.00	\$7,502.00	\$38.00	\$9,196.00	\$28.00	\$6,776.00
35	8" PVC Water Main	1,466 LF	\$30.00	\$43,980.00	\$52.56	\$77,052.96	\$28.08	\$41,165.28	\$31.00	\$45,446.00	\$40.00	\$58,640.00	\$42.00	\$61,572.00	\$32.00	\$46,912.00

**Sanborn Boulevard Utility and Street Improvements Phase I**  
 Mitchell, South Dakota  
 SPN Project No. 14547  
**BID SCHEDULE A**

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			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
36	Bored Encasement Pipe	144 LF	\$180.00	\$25,920.00	\$154.61	\$22,263.84	\$162.00	\$23,328.00	\$81.00	\$11,664.00	\$300.00	\$43,200.00	\$170.00	\$24,480.00	\$300.00	\$43,200.00
37	Open Trench Water Main Encasement Pipe	207 LF	\$100.00	\$20,700.00	\$105.84	\$21,908.88	\$97.20	\$20,120.40	\$72.00	\$14,904.00	\$121.00	\$25,047.00	\$65.00	\$13,455.00	\$60.00	\$12,420.00
38	Pipe Insulation	182 LF	\$13.00	\$2,366.00	\$17.91	\$3,259.62	\$11.88	\$2,162.16	\$18.50	\$3,367.00	\$8.00	\$1,456.00	\$10.00	\$1,820.00	\$15.00	\$2,730.00
39	Connect to Existing 6" Water Main	3 EA	\$900.00	\$2,700.00	\$1,609.68	\$4,829.04	\$810.00	\$2,430.00	\$1,500.00	\$4,500.00	\$1,763.00	\$5,289.00	\$1,500.00	\$4,500.00	\$1,000.00	\$3,000.00
40	Connect to Existing 8" Water Main	3 EA	\$950.00	\$2,850.00	\$1,909.28	\$5,727.84	\$864.00	\$2,592.00	\$1,500.00	\$4,500.00	\$1,897.00	\$5,691.00	\$1,500.00	\$4,500.00	\$1,400.00	\$4,200.00
41	8"x1" Corp Stop w/ Service Saddle	25 EA	\$420.00	\$10,500.00	\$328.39	\$8,209.75	\$378.00	\$9,450.00	\$250.00	\$6,250.00	\$368.00	\$9,200.00	\$500.00	\$12,500.00	\$400.00	\$10,000.00
42	8"x2" Corp Stop w/ Service Saddle	1 EA	\$840.00	\$840.00	\$581.89	\$581.89	\$756.00	\$756.00	\$435.00	\$435.00	\$608.00	\$608.00	\$675.00	\$675.00	\$600.00	\$600.00
43	1" Curb Stop w/ Box	25 EA	\$330.00	\$8,250.00	\$250.90	\$6,272.50	\$297.00	\$7,425.00	\$310.00	\$7,750.00	\$294.00	\$7,350.00	\$400.00	\$10,000.00	\$350.00	\$8,750.00
44	2" Curb Stop w/ Box	1 EA	\$840.00	\$840.00	\$556.37	\$556.37	\$756.00	\$756.00	\$542.00	\$542.00	\$585.00	\$585.00	\$625.00	\$625.00	\$550.00	\$550.00
45	1" Type K Copper	817 LF	\$18.00	\$14,706.00	\$35.54	\$29,036.18	\$16.20	\$13,235.40	\$21.50	\$17,565.50	\$32.00	\$26,144.00	\$28.00	\$22,876.00	\$26.00	\$21,242.00
46	2" Type K Copper	42 LF	\$36.00	\$1,512.00	\$59.26	\$2,488.92	\$32.40	\$1,360.80	\$30.00	\$1,260.00	\$41.00	\$1,722.00	\$38.00	\$1,596.00	\$32.00	\$1,344.00
47	Connect to Existing Water Service (All Sizes)	26 EA	\$180.00	\$4,680.00	\$252.07	\$6,553.82	\$162.00	\$4,212.00	\$368.00	\$9,568.00	\$1,475.00	\$38,350.00	\$600.00	\$15,600.00	\$250.00	\$6,500.00
48	Tracer Wire Access Box for Water Main	3 EA	\$120.00	\$360.00	\$122.13	\$366.39	\$108.00	\$324.00	\$107.00	\$321.00	\$99.00	\$297.00	\$125.00	\$375.00	\$600.00	\$1,800.00
49	Fire Hydrant Assembly	2 EA	\$4,000.00	\$8,000.00	\$3,409.53	\$6,819.06	\$3,510.00	\$7,020.00	\$5,065.00	\$10,130.00	\$2,825.00	\$5,650.00	\$5,000.00	\$10,000.00	\$3,400.00	\$6,800.00
50	Remove Sanitary Sewer Manhole	4 EA	\$480.00	\$1,920.00	\$402.70	\$1,610.80	\$432.00	\$1,728.00	\$550.00	\$2,200.00	\$400.00	\$1,600.00	\$500.00	\$2,000.00	\$400.00	\$1,600.00
51	Sanitary Sewer Manhole	5 EA	\$2,700.00	\$13,500.00	\$2,650.02	\$13,250.10	\$2,430.00	\$12,150.00	\$2,583.00	\$12,915.00	\$2,311.00	\$11,555.00	\$2,175.00	\$10,875.00	\$3,200.00	\$16,000.00
52	Adjust Manhole to Grade	5 EA	\$270.00	\$1,350.00	\$335.48	\$1,677.40	\$250.00	\$1,250.00	\$500.00	\$2,500.00	\$450.00	\$2,250.00	\$1,200.00	\$6,000.00	\$500.00	\$2,500.00
53	12" PVC Sanitary Sewer Main	1,263 LF	\$37.00	\$46,731.00	\$52.85	\$66,749.55	\$33.48	\$42,285.24	\$30.00	\$37,890.00	\$47.00	\$59,361.00	\$48.00	\$60,624.00	\$45.00	\$56,835.00
54	10" PVC Sanitary Sewer Main	66 LF	\$33.50	\$2,211.00	\$55.36	\$3,653.76	\$30.24	\$1,995.84	\$33.00	\$2,178.00	\$41.00	\$2,706.00	\$44.00	\$2,904.00	\$43.00	\$2,838.00
55	6" PVC Sanitary Sewer Service	264 LF	\$24.00	\$6,336.00	\$48.26	\$12,740.64	\$21.60	\$5,702.40	\$20.75	\$5,478.00	\$37.00	\$9,768.00	\$35.00	\$9,240.00	\$40.00	\$10,560.00
56	4" PVC Sanitary Sewer Service	627 LF	\$20.50	\$12,853.50	\$41.04	\$25,732.08	\$18.36	\$11,511.72	\$18.50	\$11,599.50	\$34.00	\$21,318.00	\$33.00	\$20,691.00	\$26.00	\$16,302.00
57	12" x 4" Sanitary Sewer Wye	31 EA	\$350.00	\$10,850.00	\$359.68	\$11,150.08	\$324.00	\$10,044.00	\$230.00	\$7,130.00	\$433.00	\$13,423.00	\$400.00	\$12,400.00	\$400.00	\$12,400.00
58	12" x 6" Sanitary Sewer Wye	8 EA	\$350.00	\$2,800.00	\$372.22	\$2,977.76	\$324.00	\$2,592.00	\$240.00	\$1,920.00	\$445.00	\$3,560.00	\$425.00	\$3,400.00	\$500.00	\$4,000.00
59	Connect to Existing Sanitary Sewer Main	2 EA	\$350.00	\$700.00	\$631.95	\$1,263.90	\$324.00	\$648.00	\$1,389.00	\$2,778.00	\$2,221.00	\$4,442.00	\$1,000.00	\$2,000.00	\$1,200.00	\$2,400.00
60	Connect to Existing Sanitary Sewer Service	39 EA	\$150.00	\$5,850.00	\$322.67	\$12,584.13	\$135.00	\$5,265.00	\$391.00	\$15,249.00	\$1,844.00	\$71,916.00	\$650.00	\$25,350.00	\$500.00	\$19,500.00
61	Tracer Wire Box for Sanitary Sewer Service	27 EA	\$120.00	\$3,240.00	\$150.31	\$4,058.37	\$108.00	\$2,916.00	\$73.50	\$1,984.50	\$116.00	\$3,132.00	\$125.00	\$3,375.00	\$600.00	\$16,200.00
62	Sanitary Sewer Bypass Pumping	1 LS	\$6,000.00	\$6,000.00	\$4,562.87	\$4,562.87	\$5,400.00	\$5,400.00	\$2,500.00	\$2,500.00	\$5,500.00	\$5,500.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00
63	Remove and Dispose 2'x3' Inlet w/ Frame and Grate	1 EA	\$350.00	\$350.00	\$363.66	\$363.66	\$324.00	\$324.00	\$275.00	\$275.00	\$400.00	\$400.00	\$350.00	\$350.00	\$500.00	\$500.00
64	Storm Sewer Inlet	3 EA	\$2,750.00	\$8,250.00	\$2,033.55	\$6,100.65	\$2,484.00	\$7,452.00	\$3,455.00	\$10,365.00	\$2,550.00	\$7,650.00	\$1,430.00	\$4,290.00	\$3,000.00	\$9,000.00
65	12" RCP Storm Sewer Pipe	69 LF	\$50.00	\$3,450.00	\$68.91	\$4,754.79	\$43.20	\$2,980.80	\$53.25	\$3,674.25	\$47.00	\$3,243.00	\$58.00	\$4,002.00	\$50.00	\$3,450.00
66	18" RCP Storm Sewer Pipe	51 LF	\$60.00	\$3,060.00	\$77.49	\$3,951.99	\$51.84	\$2,643.84	\$66.00	\$3,366.00	\$56.00	\$2,856.00	\$65.00	\$3,315.00	\$60.00	\$3,060.00
67	Adjust Existing 2'x3' Inlet Casting to Grade	10 EA	\$300.00	\$3,000.00	\$335.48	\$3,354.80	\$350.00	\$3,500.00	\$185.75	\$1,857.50	\$400.00	\$4,000.00	\$300.00	\$3,000.00	\$250.00	\$2,500.00
68	Connect to Existing Storm Sewer Structure	2 EA	\$600.00	\$1,200.00	\$588.11	\$1,176.22	\$540.00	\$1,080.00	\$1,150.00	\$2,300.00	\$1,200.00	\$2,400.00	\$750.00	\$1,500.00	\$500.00	\$1,000.00
69	Connect to Existing Storm Sewer Pipe	15 EA	\$300.00	\$4,500.00	\$784.12	\$11,761.80	\$16.20	\$243.00	\$1,150.00	\$17,250.00	\$1,100.00	\$16,500.00	\$850.00	\$12,750.00	\$1,500.00	\$22,500.00
70	Traffic Control Miscellaneous	1 LS	\$18,500.00	\$18,500.00	\$16,692.65	\$16,692.65	\$19,500.12	\$19,500.12	\$16,000.00	\$16,000.00	\$13,200.00	\$13,200.00	\$35,000.00	\$35,000.00	\$15,000.00	\$15,000.00

**Sanborn Boulevard Utility and Street Improvements Phase I**

Mitchell, South Dakota

SPN Project No. 14547

**BID SCHEDULE A**

Item	Description	Quantity	BX Civil and Construction PO Box 187 Dell Rapids SD 57022		Thorstad Companies 101 2nd St. W. Chokio MN 56221		T&R Contracting 5000 N. Gulby Avenue Sioux Falls SD 57104		Hulstein Excavating, Inc. 147 175th Avenue Edgerton Mn 56128		First Rate Excavate Inc. 1509 E. 39th St., N. Sioux Falls SD 57104		H & W Contracting, LLC 3416 W. Hovland Drive Sioux Falls SD 57107		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
71	Project Traffic Control Signs	611 SF	\$6.00	\$3,664.20	\$6.21	\$3,792.45	\$5.40	\$3,297.78	\$5.90	\$3,603.13	\$5.50	\$3,358.85	\$5.50	\$3,358.85	\$8.00	\$4,885.60
72	Specialty Signs	663 SF	\$6.00	\$3,978.00	\$6.21	\$4,117.23	\$5.40	\$3,580.20	\$5.90	\$3,911.70	\$5.50	\$3,646.50	\$5.50	\$3,646.50	\$26.00	\$17,238.00
73	Temporary Closure Signs	80 SF	\$6.00	\$480.00	\$6.21	\$496.80	\$5.40	\$432.00	\$5.90	\$472.00	\$5.50	\$440.00	\$5.50	\$440.00	\$8.00	\$640.00
74	Type 3 Barricades	57 EA	\$120.00	\$6,840.00	\$124.18	\$7,078.26	\$108.00	\$6,156.00	\$117.75	\$6,711.75	\$110.00	\$6,270.00	\$110.00	\$6,270.00	\$125.00	\$7,125.00
75	Type C Advance Warning Arrow Board	2 EA	\$1,200.00	\$2,400.00	\$1,241.78	\$2,483.56	\$1,080.00	\$2,160.00	\$1,180.00	\$2,360.00	\$1,100.00	\$2,200.00	\$1,100.00	\$2,200.00	\$1,500.00	\$3,000.00
76	Orange Plastic Safety Fence	1,557 LF	\$2.50	\$3,892.50	\$2.48	\$3,861.36	\$3.24	\$5,044.68	\$3.25	\$5,060.25	\$2.20	\$3,425.40	\$2.25	\$3,503.25	\$6.00	\$9,342.00
77	Mobile Light Tower for Temporary Lighting	4 EA	\$9,700.00	\$38,800.00	\$6,343.10	\$25,372.40	\$8,325.72	\$33,302.88	\$10,000.00	\$40,000.00	\$8,965.00	\$35,860.00	\$8,970.00	\$35,880.00	\$5,500.00	\$22,000.00
78	Preformed Detector Loop	6 EA	\$225.00	\$1,350.00	\$2,155.74	\$12,934.44	\$313.20	\$1,879.20	\$355.00	\$2,130.00	\$209.00	\$1,254.00	\$210.00	\$1,260.00	\$500.00	\$3,000.00
79	Sawed-In Detector Loop	3 EA	\$1,250.00	\$3,750.00	\$2,471.15	\$7,413.45	\$718.20	\$2,154.60	\$815.00	\$2,445.00	\$1,155.00	\$3,465.00	\$1,160.00	\$3,480.00	\$2,000.00	\$6,000.00
80	4" White Pavement Marking Paint	1,130 LF	\$0.50	\$565.00	\$0.62	\$700.60	\$0.54	\$610.20	\$0.60	\$678.00	\$0.55	\$621.50	\$0.55	\$621.50	\$2.00	\$2,260.00
81	4" Yellow Pavement Marking Paint	3,662 LF	\$0.50	\$1,831.00	\$0.62	\$2,270.44	\$0.54	\$1,977.48	\$0.60	\$2,197.20	\$0.55	\$2,014.10	\$0.55	\$2,014.10	\$2.00	\$7,324.00
82	24" White Pavement Marking Paint	174 LF	\$3.50	\$609.00	\$3.73	\$649.02	\$3.24	\$563.76	\$4.00	\$696.00	\$3.30	\$574.20	\$3.50	\$609.00	\$5.00	\$870.00
83	Inlet Protection	19 EA	\$150.00	\$2,850.00	\$186.27	\$3,539.13	\$91.80	\$1,744.20	\$125.00	\$2,375.00	\$93.50	\$1,776.50	\$93.50	\$1,776.50	\$200.00	\$3,800.00
84	Seed, Fertilize and Mulch Disturbed Area	584 SY	\$11.50	\$6,716.00	\$3.73	\$2,178.32	\$3.24	\$1,892.16	\$3.55	\$2,073.20	\$3.30	\$1,927.20	\$3.50	\$2,044.00	\$3.00	\$1,752.00
Total for Bid Schedule A Items 1 - 84 Inclusive			\$1,089,503.70		\$1,299,426.91		\$1,210,756.00		\$1,168,141.58		\$1,570,329.44		\$1,452,006.50		\$1,273,377.00	

**Sanborn Boulevard Utility and Street Improvements Phase I**

Mitchell, South Dakota  
 SPN Project No. 14547

**BID SCHEDULE B - ASPHALT SURFACING**

Item	Description	Quantity	BX Civil and Construction PO Box 187 Dell Rapids SD 57022		Thorstad Companies 101 2nd St. W. Chokio MN 56221		T&R Contracting 5000 N. Gulby Avenue Sioux Falls SD 57104		Hulstein Excavating, Inc. 147 175th Avenue Edgerton Mn 56128		First Rate Excavate Inc. 1509 E. 39th St., N. Sioux Falls SD 57104		H & W Contracting, LLC 3416 W. Hovland Drive Sioux Falls SD 57107		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization	1 LS			\$15,221.95	\$15,221.95					\$13,500.00	\$13,500.00	\$60,000.00	\$60,000.00	\$66,610.00	\$66,610.00
2	Unclassified Excavation	7,700 CY			\$7.95	\$61,215.00					\$8.00	\$61,600.00	\$17.00	\$130,900.00	\$10.00	\$77,000.00
3	8" Asphalt Surfacing	4,600 TN			\$73.00	\$335,800.00					\$80.30	\$369,380.00	\$80.00	\$368,000.00	\$95.00	\$437,000.00
4	6' Concrete Valley Gutter - 8" Depth	25 SY			\$87.83	\$2,195.75					\$120.00	\$3,000.00	\$110.00	\$2,750.00	\$65.00	\$1,625.00
5	8" Concrete Curb and Gutter	2,615 LF			\$17.25	\$45,108.75					\$21.60	\$56,484.00	\$20.00	\$52,300.00	\$18.00	\$47,070.00
6	8" Concrete Fillet Section	183 SY			\$87.54	\$16,019.82					\$108.00	\$19,764.00	\$100.00	\$18,300.00	\$65.00	\$11,895.00
Total for Bid Schedule B Items 1 - 6 Inclusive			NO BID		\$475,561.27		NO BID		NO BID		\$523,728.00		\$632,250.00		\$641,200.00	
Alt B7	Haul and Place City-Furnished Gravel Base Course	9,180 TN			\$7.50	\$68,850.00					\$8.25	\$75,735.00	\$8.25	\$75,735.00	\$12.00	\$110,160.00
Alt B8	Haul and Place Contractor-Furnished Base Course	9,180 TN			\$15.30	\$140,454.00					\$16.83	\$154,499.40	\$17.00	\$156,060.00	\$18.00	\$165,240.00
Total for Bid Schedule A, B and Alternate B7 Inclusive			NO BID		\$1,843,838.18		NO BID		NO BID		\$2,169,792.44		\$2,159,991.50		\$2,024,737.00	

**BID SCHEDULE C - CONCRETE SURFACING**

Item	Description	Quantity	BX Civil and Construction PO Box 187 Dell Rapids SD 57022		Thorstad Companies 101 2nd St. W. Chokio MN 56221		T&R Contracting 5000 N. Gulby Avenue Sioux Falls SD 57104		Hulstein Excavating, Inc. 147 175th Avenue Edgerton Mn 56128		First Rate Excavate Inc. 1509 E. 39th St., N. Sioux Falls SD 57104		H & W Contracting, LLC 3416 W. Hovland Drive Sioux Falls SD 57107		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization	1 LS	\$85,000.00	\$85,000.00	\$13,500.00	\$13,500.00	\$39,700.10	\$39,700.10	\$60,000.00	\$60,000.00	\$166,500.00	\$166,500.00	\$75,000.00	\$75,000.00	\$68,305.00	\$68,305.00
2	Unclassified Excavation	5,100 CY	\$4.00	\$20,400.00	\$7.95	\$40,545.00	\$10.45	\$53,295.00	\$5.00	\$25,500.00	\$8.00	\$40,800.00	\$17.00	\$86,700.00	\$10.00	\$51,000.00
3	4" Asphalt Surfacing	80.0 TN	\$120.00	\$9,600.00	\$100.00	\$8,000.00	\$108.00	\$8,640.00	\$85.00	\$6,800.00	\$110.00	\$8,800.00	\$110.00	\$8,800.00	\$105.00	\$8,400.00
4	9" Concrete Surfacing	9,191 SY	\$55.00	\$505,505.00	\$62.63	\$575,632.33	\$58.10	\$533,997.10	\$61.00	\$560,651.00	\$60.00	\$551,460.00	\$56.00	\$514,696.00	\$55.00	\$505,505.00
5	6' Concrete Valley Gutter - 9" Depth	25 SY	\$80.00	\$2,000.00	\$94.00	\$2,350.00	\$76.65	\$1,916.25	\$102.00	\$2,550.00	\$108.00	\$2,700.00	\$100.00	\$2,500.00	\$75.00	\$1,875.00
6	9" Concrete Curb and Gutter	2,615 LF	\$14.00	\$36,610.00	\$19.50	\$50,992.50	\$23.00	\$60,145.00	\$21.75	\$56,876.25	\$22.80	\$59,622.00	\$21.00	\$54,915.00	\$16.00	\$41,840.00
7	9" Concrete Fillet Section	183 SY	\$110.00	\$20,130.00	\$106.00	\$19,398.00	\$175.85	\$32,180.55	\$90.00	\$16,470.00	\$127.20	\$23,277.60	\$116.00	\$21,228.00	\$75.00	\$13,725.00
Total for Bid Schedule C Items 1 - 7 Inclusive			\$679,245.00		\$710,417.83		\$729,874.00		\$728,847.25		\$853,159.60		\$763,839.00		\$690,650.00	
Alt C8	Haul and Place City-Furnished Gravel Base Course	5,830 TN	\$8.40	\$48,972.00	\$7.20	\$41,976.00	\$9.40	\$54,802.00	\$16.60	\$96,778.00	\$8.50	\$49,555.00	\$14.00	\$81,620.00	\$12.00	\$69,960.00
Alt C9	Haul and Place Contractor-Furnished Base Course	5,830 TN	\$21.50	\$125,345.00	\$16.30	\$95,029.00	\$18.80	\$109,604.00	\$21.25	\$123,887.50	\$17.00	\$99,110.00	\$16.00	\$93,280.00	\$18.00	\$104,940.00
Total for Bid Schedule A, C and Alternate C8 Inclusive			\$1,817,720.70		\$2,051,820.74		\$1,995,432.00		\$1,993,766.83		\$2,473,044.04		\$2,297,465.50		\$2,033,987.00	

**Sanborn Boulevard Utility and Street Improvements Phase I**  
 Mitchell, South Dakota  
 SPN Project No. 14547

**ALTERNATE 1 - TWO-WAY TRAFFIC**

Item	Description	Quantity	BX Civil and Construction PO Box 187 Dell Rapids SD 57022		Thorstad Companies 101 2nd St. W. Chokio MN 56221		T&R Contracting 5000 N. Gulby Avenue Sioux Falls SD 57104		Hulstein Excavating, Inc. 147 175th Avenue Edgerton Mn 56128		First Rate Excavate Inc. 1509 E. 39th St., N. Sioux Falls SD 57104		H & W Contracting, LLC 3416 W. Hovland Drive Sioux Falls SD 57107		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization	1 LS	\$2,150.00	\$2,150.00	\$3,000.00	\$3,000.00	\$10,000.00	\$10,000.00	\$1,500.00	\$1,500.00	\$25,000.00	\$25,000.00	\$20,000.00	\$20,000.00	\$81,000.00	\$81,000.00
2	Traffic Control Signs	455 SF	\$6.00	\$2,730.00	\$5.00	\$2,275.00	\$5.40	\$2,457.00	\$6.00	\$2,730.00	\$5.50	\$2,502.50	\$5.50	\$2,502.50	\$8.00	\$3,640.00
3	Specialty Signs	108.0 SF	\$6.00	\$648.00	\$5.00	\$540.00	\$5.50	\$594.00	\$6.00	\$648.00	\$5.50	\$594.00	\$5.50	\$594.00	\$26.00	\$2,808.00
4	Type C Advance Warning Arrow Board	1 EA	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00	\$1,080.00	\$1,080.00	\$1,200.00	\$1,200.00	\$1,100.00	\$1,100.00	\$1,100.00	\$1,100.00	\$1,500.00	\$1,500.00
5	Temporary Gravel Surfacing	1,000 TN	\$21.50	\$21,500.00	\$16.50	\$16,500.00	\$22.00	\$22,000.00	\$20.50	\$20,500.00	\$18.00	\$18,000.00	\$14.00	\$14,000.00	\$18.00	\$18,000.00
6	Fine Grade Base Material	8,050 SY	\$0.50	\$4,025.00	\$1.00	\$8,050.00	\$2.00	\$16,100.00	\$15.40	\$123,970.00	\$1.00	\$8,050.00	\$1.50	\$12,075.00	\$2.00	\$16,100.00
7	Miscellaneous Traffic Control	1 LS	\$10,750.00	\$10,750.00	\$10,009.91	\$10,009.91	\$8,640.00	\$8,640.00	\$12,000.00	\$12,000.00	\$8,800.00	\$8,800.00	\$15,000.00	\$15,000.00	\$60,000.00	\$60,000.00
Total for Alternative 1 Items 1 - 7 Inclusive			\$43,003.00		\$41,374.91		\$60,871.00		\$162,548.00		\$64,046.50		\$65,271.50		\$183,048.00	
Total for Bid Schedule A, B and Alternate B7 and Alternative 1			NO BID		\$1,885,213.09		NO BID		NO BID		\$2,233,838.94		\$2,225,263.00		\$2,207,785.00	
Total for Bid Schedule A, C and Alternate C8 and Alternative 1			\$1,860,723.70		\$2,093,195.65		\$2,056,303.00		\$2,156,314.83		\$2,537,090.54		\$2,362,737.00		\$2,217,035.00	

**ALTERNATE 2 - FULL ROAD CLOSURE**

Item	Description	Quantity	BX Civil and Construction		Thorstad Companies		T&R Contracting		Hulstein Excavating, Inc.		First Rate Excavate Inc.		H & W Contracting, LLC		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Addition / Deduct for Full Road Closure	1 LS	\$41,500.00	\$41,500.00	\$63,435.00	\$63,435.00	\$378,000.00	\$378,000.00	\$50,000.00	\$50,000.00	-\$40,000.00	-\$40,000.00	\$65,000.00	\$65,000.00	\$0.00	\$0.00
Total for Alternative 2 Item 1 Inclusive			\$41,500.00		\$63,435.00		\$378,000.00		\$50,000.00		-\$40,000.00		\$65,000.00		\$0.00	
Total for Bid Schedule A, B and Alternate B7 and Alternative 2			NO BID		\$1,907,273.18		NO BID		NO BID		\$2,129,792.44		\$2,224,991.50		\$2,024,737.00	
Total for Bid Schedule A, C and Alternate C8 and Alternative 2			\$1,859,220.70		\$2,115,255.74		\$2,373,432.00		\$2,043,766.83		\$2,433,044.04		\$2,362,465.50		\$2,033,987.00	

Concrete Option

Asphalt Option



**Sanborn Boulevard Utility and Street Improvements Phase I  
Executive Summary  
Life Cycle Cost Analysis for Concrete Versus Asphalt Surfacing**

A life cycle cost analysis between asphalt surfacing and concrete surfacing for the project was evaluated. The life cycle cost analysis that was completed compares the initial costs of the installation of the surfacing and future costs including routine maintenance costs associated with two surfaces.

A 30-year design life was used for the comparison. Maintenance costs were determined by contacting local construction companies, South Dakota Department of Transportation average unit bid prices, and average unit prices of similar sized projects.

**Concrete Surfacing**

With a life expectancy of 30 years a maintenance schedule was utilized which requires paint striping every three years, complete joint seal replacement at years 10 and 20, and a 5% slab replacement at 20 years.

**Asphalt Surfacing**

With a life expectancy of 30 years a maintenance schedule was utilized which requires paint striping every three years, crack seal and chip seal three years after a new asphalt mat is placed and every six years after that. Crack sealing is estimated at cold joints and block cracking. A two-inch mill and overlay is proposed at year 15.

The life cycle cost analysis which was completed for the project is attached to this document. The increased maintenance cost of the asphalt surfacing option would result in an additional net present worth of \$131,066.94. The low bid received was for concrete surfacing without considering the additional maintenance costs of asphalt surfacing. SPN recommends the award of Bid Schedule C – Concrete Surfacing.

CITY OF MITCHELL  
 SOUTH SANBORN BLVD STREET IMPROVEMENTS  
 LIFE CYCLE COST ANALYSIS  
 ANTICIPATED DESIGN LIFE OF 30 YEARS

**Concrete Surface Evaluation**

	@ Years	Units	Current Unit Price	Current Cost	Inflation Rate	Interest Rate	Future Worth Cost	Present Worth Cost
Cost Differential to Award Concrete Alternaterate if within Budget				\$131,066.94	1.80%	2.80%	\$131,066.94	\$131,066.94
Striping of Street @ year	3	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$11,028.74	\$10,151.88
Striping of Street @ year	6	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$11,635.07	\$9,858.49
Striping of Street @ year	9	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$12,274.75	\$9,573.58
Joint Reseal @ Year	10	14,235 LF @	\$1.00 =	\$14,235.00	1.80%	2.80%	\$17,015.13	\$12,909.34
Striping of Street @ year	12	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$12,949.58	\$9,296.91
Striping of Street @ year	15	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$13,661.52	\$9,028.23
Striping of Street @ year	18	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$14,412.61	\$8,767.31
5% Slab Replacement	20	475 SY @	\$100.00 =	\$47,500.00	1.80%	2.80%	\$67,865.52	\$39,064.91
Joint Reseal @ Year	20	14,235 LF @	\$1.00 =	\$14,235.00	1.80%	2.80%	\$20,338.22	\$11,707.14
Striping of Street @ year	21	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$15,204.98	\$8,513.94
Striping of Street @ year	24	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$16,040.92	\$8,267.88
Striping of Street @ year	27	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$16,922.81	\$8,028.94
Salvage Value	30				1.80%	2.80%	\$0.00	\$0.00
<b>Total Life Cycle Cost for Concrete Surfacing</b>								<b>\$276,235.50</b>

CITY OF MITCHELL  
SOUTH SANBORN BLVD STREET IMPROVEMENTS  
LIFE CYCLE COST ANALYSIS  
ANTICIPATED DESIGN LIFE OF 30 YEARS  
**Asphalt Surface Evaluation**

	@ Years	Units	Current Unit Price	Current Cost	Inflation Rate	Interest Rate	Future Worth Cost	Present Worth Cost
Base Cost				\$0.00	1.80%	2.80%	\$0.00	\$0.00
Crack Seal @ year	3	6,240.00 LF @	\$1.00 =	\$6,240.00	1.80%	2.80%	\$6,583.06	\$6,059.66
Chip Seal @ year	3	9,191.00 SY @	\$2.00 =	\$18,382.00	1.80%	2.80%	\$19,392.60	\$17,850.76
Striping of Street @ year	3	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$11,028.74	\$10,151.88
Striping of Street @ year	6	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$11,635.07	\$9,858.49
Crack Seal @ year	9	6,240.00 LF @	\$1.00 =	\$6,240.00	1.80%	2.80%	\$7,326.80	\$5,714.48
Chip Seal @ year	9	9,191.00 SY @	\$2.00 =	\$18,382.00	1.80%	2.80%	\$21,583.54	\$16,833.90
Striping of Street @ year	9	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$12,274.75	\$9,573.58
Striping of Street @ year	12	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$12,949.58	\$9,296.91
2-inch Mill and Overlay	15	9,191.00 SY @	\$14.70 =	\$135,107.70	1.80%	2.80%	\$176,561.81	\$116,680.98
Striping of Street @ year	15	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$13,661.52	\$9,028.23
Crack Seal @ year	18	6,240.00 LF @	\$1.00 =	\$6,240.00	1.80%	2.80%	\$8,602.89	\$5,233.21
Chip Seal @ year	18	9,191.00 SY @	\$2.00 =	\$18,382.00	1.80%	2.80%	\$25,342.69	\$15,416.18
Striping of Street @ year	18	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$14,412.61	\$8,767.31
Crack Seal @ year	24	6,240.00 LF @	\$1.00 =	\$6,240.00	1.80%	2.80%	\$9,574.83	\$4,935.11
Chip Seal @ year	24	9,191.00 SY @	\$2.00 =	\$18,382.00	1.80%	2.80%	\$28,205.87	\$14,538.00
Striping of Street @ year	24	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$16,040.92	\$8,267.88
Striping of Street @ year	27	1 LS @	\$10,454.00 =	\$10,454.00	1.80%	2.80%	\$16,922.81	\$8,028.94
Salvage Value	30				1.80%	2.80%	\$0.00	\$0.00
<b>Total Life Cycle Cost for Asphalt Surfacing</b>							<b>\$276,235.50</b>	<b>\$276,235.50</b>

**Sanborn Boulevard Utility and Street Improvements Phase I  
Executive Summary – Gravel Base Course Alternates**

Bid Schedule B – Asphalt Surfacing and Bid Schedule C – Concrete Surfacing had alternates for City-Furnished Gravel Base Course and Contractor-Furnished Gravel Base Course. The City of Mitchell provided a cost of \$4.59 per ton for their base course material.

The low bid that is being considered for concrete surfacing had an increase in unit price of \$13.10 for Contractor-Furnished Gravel Base Course.

The low bid that is being considered for asphalt surfacing had an increase in unit price of \$7.80 for Contractor-Furnished Gravel Base Course.

Based on the unit price comparison to the City-Furnished Gravel Base Course value of \$4.59, SPN recommends that the City-Furnished Gravel Base Course alternate be awarded.

**Sanborn Boulevard Utility and Street Improvements Phase I**

Mitchell, South Dakota

SPN Project No. 14547

**BID SCHEDULE A**

Item	Description	Quantity	BX Civil and Construction PO Box 187 Dell Rapids SD 57022		Thorstad Companies 101 2nd St. W. Chokio MN 56221		T&R Contracting 5000 N. Gulby Avenue Sioux Falls SD 57104		Hulstein Excavating, Inc. 147 175th Avenue Edgerton Mn 56128		First Rate Excavate Inc. 1509 E. 39th St., N. Sioux Falls SD 57104		H & W Contracting, LLC 3416 W. Hovland Drive Sioux Falls SD 57107		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization	1 LS	\$83,500.00	\$83,500.00	\$75,192.40	\$75,192.40	\$243,200.00	\$243,200.00	\$127,000.00	\$127,000.00	\$428,233.00	\$428,233.00	\$397,000.00	\$397,000.00	\$117,044.40	\$117,044.40
2	Remove Concrete Curb and Gutter	3,046 LF	\$5.00	\$15,230.00	\$9.31	\$28,358.26	\$4.50	\$13,707.00	\$5.30	\$16,143.80	\$4.95	\$15,077.70	\$3.00	\$9,138.00	\$4.00	\$12,184.00
3	Remove Concrete Pavement	12,430 SY	\$10.00	\$124,300.00	\$9.56	\$118,830.80	\$5.50	\$68,365.00	\$6.25	\$77,687.50	\$8.25	\$102,547.50	\$7.00	\$87,010.00	\$5.00	\$62,150.00
4	Remove Concrete Surfacing Adjacent to Sidewalk	441 SY	\$6.00	\$2,646.00	\$10.31	\$4,546.71	\$5.50	\$2,425.50	\$5.65	\$2,491.65	\$6.60	\$2,910.60	\$6.00	\$2,646.00	\$5.00	\$2,205.00
5	Remove Concrete Approach Pavement	613 SY	\$6.00	\$3,678.00	\$10.31	\$6,320.03	\$5.50	\$3,371.50	\$5.90	\$3,616.70	\$6.60	\$4,045.80	\$6.00	\$3,678.00	\$5.00	\$3,065.00
6	Remove Concrete Sidewalk	1,275 SY	\$12.50	\$15,937.50	\$8.69	\$11,079.75	\$5.50	\$7,012.50	\$5.35	\$6,821.25	\$3.85	\$4,908.75	\$6.00	\$7,650.00	\$4.00	\$5,100.00
7	Remove Asphalt Pavement	548 SY	\$5.00	\$2,740.00	\$9.07	\$4,970.36	\$5.50	\$3,014.00	\$4.75	\$2,603.00	\$2.75	\$1,507.00	\$4.50	\$2,466.00	\$4.00	\$2,192.00
8	Remove Asphalt Pavement Adjacent to Sidewalk	448 SY	\$5.00	\$2,240.00	\$9.07	\$4,063.36	\$5.50	\$2,464.00	\$4.75	\$2,128.00	\$3.30	\$1,478.40	\$4.50	\$2,016.00	\$4.00	\$1,792.00
9	Remove, Salvage and Reset Storm Pipe	360 LF	\$22.00	\$7,920.00	\$55.25	\$19,890.00	\$19.44	\$6,998.40	\$11.50	\$4,140.00	\$40.00	\$14,400.00	\$25.00	\$9,000.00	\$20.00	\$7,200.00
10	Remove, Salvage and Reset Street Sign	21 EA	\$24.00	\$504.00	\$24.84	\$521.64	\$43.20	\$907.20	\$23.50	\$493.50	\$22.00	\$462.00	\$25.00	\$525.00	\$200.00	\$4,200.00
11	Remove and Dispose Landscape Rock	27 SY	\$6.00	\$162.00	\$6.21	\$167.67	\$12.00	\$324.00	\$6.00	\$162.00	\$5.00	\$135.00	\$8.00	\$216.00	\$20.00	\$540.00
12	Remove and Dispose Light Pole and Base	6 EA	\$1,600.00	\$9,600.00	\$372.54	\$2,235.24	\$450.00	\$2,700.00	\$1,075.00	\$6,450.00	\$800.00	\$4,800.00	\$500.00	\$3,000.00	\$500.00	\$3,000.00
13	4" Asphalt Surfacing	120 TN	\$120.00	\$14,400.00	\$90.65	\$10,878.00	\$108.00	\$12,960.00	\$85.00	\$10,200.00	\$80.30	\$9,636.00	\$110.00	\$13,200.00	\$105.00	\$12,600.00
14	Geotextile Fabric Separator	14,360 SY	\$1.50	\$21,540.00	\$2.11	\$30,299.60	\$2.25	\$32,310.00	\$1.80	\$25,848.00	\$1.15	\$16,514.00	\$3.00	\$43,080.00	\$2.75	\$39,490.00
15	9" Concrete Surfacing	3,262 SY	\$60.00	\$195,720.00	\$63.33	\$206,582.46	\$58.10	\$189,522.20	\$75.50	\$246,281.00	\$60.60	\$197,677.20	\$57.00	\$185,934.00	\$80.00	\$260,960.00
16	6" Concrete Surfacing	268 SY	\$50.00	\$13,400.00	\$70.26	\$18,829.68	\$61.20	\$16,401.60	\$57.00	\$15,276.00	\$60.00	\$16,080.00	\$55.00	\$14,740.00	\$60.00	\$16,080.00
17	Gravel Surfacing	200 TN	\$20.00	\$4,000.00	\$18.01	\$3,602.00	\$22.00	\$4,400.00	\$22.00	\$4,400.00	\$15.00	\$3,000.00	\$20.00	\$4,000.00	\$18.00	\$3,600.00
18	8" Concrete Approach Pavement	1,042 SY	\$55.00	\$57,310.00	\$88.99	\$92,727.58	\$72.70	\$75,753.40	\$80.25	\$83,620.50	\$68.40	\$71,272.80	\$62.75	\$65,385.50	\$80.00	\$83,360.00
19	6" Concrete Sidewalk	13,138 SF	\$6.50	\$85,397.00	\$8.35	\$109,702.30	\$7.10	\$93,279.80	\$7.65	\$100,505.70	\$5.58	\$73,310.04	\$5.10	\$67,003.80	\$7.00	\$91,966.00
20	Concrete Steps at Station 77+75	1 LS	\$1,250.00	\$1,250.00	\$3,171.87	\$3,171.87	\$2,850.00	\$2,850.00	\$900.00	\$900.00	\$1,800.00	\$1,800.00	\$1,650.00	\$1,650.00	\$1,000.00	\$1,000.00
21	Type 1 Detectable Warning Panel	150 SF	\$40.00	\$6,000.00	\$44.72	\$6,708.00	\$55.00	\$8,250.00	\$36.00	\$5,400.00	\$42.00	\$6,300.00	\$38.50	\$5,775.00	\$60.00	\$9,000.00
22	Type 2 Detectable Warning Panel	30 SF	\$40.00	\$1,200.00	\$70.55	\$2,116.50	\$60.00	\$1,800.00	\$42.00	\$1,260.00	\$48.00	\$1,440.00	\$44.00	\$1,320.00	\$70.00	\$2,100.00
23	9" Concrete Curb and Gutter	122 LF	\$24.00	\$2,928.00	\$54.87	\$6,694.14	\$28.00	\$3,416.00	\$29.00	\$3,538.00	\$23.70	\$2,891.40	\$21.75	\$2,653.50	\$19.00	\$2,318.00
24	Curb and Gutter Joint Repair	26 EA	\$70.00	\$1,820.00	\$544.96	\$14,168.96	\$1,565.00	\$40,690.00	\$350.00	\$9,100.00	\$180.00	\$4,680.00	\$165.00	\$4,290.00	\$500.00	\$13,000.00
25	Adjust Building Siding	27 LF	\$60.00	\$1,620.00	\$43.89	\$1,185.03	\$65.00	\$1,755.00	\$20.00	\$540.00	\$150.00	\$4,050.00	\$20.00	\$540.00	\$25.00	\$675.00
26	Remove Hydrant	1 EA	\$480.00	\$480.00	\$304.08	\$304.08	\$432.00	\$432.00	\$342.00	\$342.00	\$225.00	\$225.00	\$350.00	\$350.00	\$400.00	\$400.00
27	8"x6" MJ Tee	4 EA	\$670.00	\$2,680.00	\$616.83	\$2,467.32	\$604.80	\$2,419.20	\$690.00	\$2,760.00	\$385.00	\$1,540.00	\$600.00	\$2,400.00	\$750.00	\$3,000.00
28	6"x6"x8" MJ Tee	1 EA	\$720.00	\$720.00	\$658.66	\$658.66	\$648.00	\$648.00	\$741.00	\$741.00	\$421.00	\$421.00	\$850.00	\$850.00	\$750.00	\$750.00
29	8" MJ 45 Degree Bend	6 EA	\$480.00	\$2,880.00	\$470.54	\$2,823.24	\$432.00	\$2,592.00	\$615.00	\$3,690.00	\$264.00	\$1,584.00	\$550.00	\$3,300.00	\$750.00	\$4,500.00
30	6" MJ Cap	1 EA	\$240.00	\$240.00	\$163.98	\$163.98	\$216.00	\$216.00	\$504.00	\$504.00	\$160.00	\$160.00	\$200.00	\$200.00	\$400.00	\$400.00
31	8" Gate Valve w/ Box	3 EA	\$2,200.00	\$6,600.00	\$1,973.20	\$5,919.60	\$1,998.00	\$5,994.00	\$2,010.00	\$6,030.00	\$1,462.00	\$4,386.00	\$1,650.00	\$4,950.00	\$2,000.00	\$6,000.00
32	6" Gate Valve w/ Box	6 EA	\$1,800.00	\$10,800.00	\$1,437.53	\$8,625.18	\$1,620.00	\$9,720.00	\$1,735.00	\$10,410.00	\$1,052.00	\$6,312.00	\$1,100.00	\$6,600.00	\$1,500.00	\$9,000.00
33	Adjust Valve Box to Grade	11 EA	\$130.00	\$1,430.00	\$171.85	\$1,890.35	\$275.00	\$3,025.00	\$470.00	\$5,170.00	\$200.00	\$2,200.00	\$500.00	\$5,500.00	\$300.00	\$3,300.00
34	6" PVC Water Main	242 LF	\$25.00	\$6,050.00	\$44.42	\$10,749.64	\$22.68	\$5,488.56	\$31.25	\$7,562.50	\$31.00	\$7,502.00	\$38.00	\$9,196.00	\$28.00	\$6,776.00
35	8" PVC Water Main	1,466 LF	\$30.00	\$43,980.00	\$52.56	\$77,052.96	\$28.08	\$41,165.28	\$31.00	\$45,446.00	\$40.00	\$58,640.00	\$42.00	\$61,572.00	\$32.00	\$46,912.00

**Sanborn Boulevard Utility and Street Improvements Phase I**  
 Mitchell, South Dakota  
 SPN Project No. 14547  
**BID SCHEDULE A**

Item	Description	Quantity	BX Civil and Construction PO Box 187 Dell Rapids SD 57022		Thorstad Companies 101 2nd St. W. Chokio MN 56221		T&R Contracting 5000 N. Gulby Avenue Sioux Falls SD 57104		Hulstein Excavating, Inc. 147 175th Avenue Edgerton Mn 56128		First Rate Excavate Inc. 1509 E. 39th St., N. Sioux Falls SD 57104		H & W Contracting, LLC 3416 W. Hovland Drive Sioux Falls SD 57107		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
36	Bored Encasement Pipe	144 LF	\$180.00	\$25,920.00	\$154.61	\$22,263.84	\$162.00	\$23,328.00	\$81.00	\$11,664.00	\$300.00	\$43,200.00	\$170.00	\$24,480.00	\$300.00	\$43,200.00
37	Open Trench Water Main Encasement Pipe	207 LF	\$100.00	\$20,700.00	\$105.84	\$21,908.88	\$97.20	\$20,120.40	\$72.00	\$14,904.00	\$121.00	\$25,047.00	\$65.00	\$13,455.00	\$60.00	\$12,420.00
38	Pipe Insulation	182 LF	\$13.00	\$2,366.00	\$17.91	\$3,259.62	\$11.88	\$2,162.16	\$18.50	\$3,367.00	\$8.00	\$1,456.00	\$10.00	\$1,820.00	\$15.00	\$2,730.00
39	Connect to Existing 6" Water Main	3 EA	\$900.00	\$2,700.00	\$1,609.68	\$4,829.04	\$810.00	\$2,430.00	\$1,500.00	\$4,500.00	\$1,763.00	\$5,289.00	\$1,500.00	\$4,500.00	\$1,000.00	\$3,000.00
40	Connect to Existing 8" Water Main	3 EA	\$950.00	\$2,850.00	\$1,909.28	\$5,727.84	\$864.00	\$2,592.00	\$1,500.00	\$4,500.00	\$1,897.00	\$5,691.00	\$1,500.00	\$4,500.00	\$1,400.00	\$4,200.00
41	8"x1" Corp Stop w/ Service Saddle	25 EA	\$420.00	\$10,500.00	\$328.39	\$8,209.75	\$378.00	\$9,450.00	\$250.00	\$6,250.00	\$368.00	\$9,200.00	\$500.00	\$12,500.00	\$400.00	\$10,000.00
42	8"x2" Corp Stop w/ Service Saddle	1 EA	\$840.00	\$840.00	\$581.89	\$581.89	\$756.00	\$756.00	\$435.00	\$435.00	\$608.00	\$608.00	\$675.00	\$675.00	\$600.00	\$600.00
43	1" Curb Stop w/ Box	25 EA	\$330.00	\$8,250.00	\$250.90	\$6,272.50	\$297.00	\$7,425.00	\$310.00	\$7,750.00	\$294.00	\$7,350.00	\$400.00	\$10,000.00	\$350.00	\$8,750.00
44	2" Curb Stop w/ Box	1 EA	\$840.00	\$840.00	\$556.37	\$556.37	\$756.00	\$756.00	\$542.00	\$542.00	\$585.00	\$585.00	\$625.00	\$625.00	\$550.00	\$550.00
45	1" Type K Copper	817 LF	\$18.00	\$14,706.00	\$35.54	\$29,036.18	\$16.20	\$13,235.40	\$21.50	\$17,565.50	\$32.00	\$26,144.00	\$28.00	\$22,876.00	\$26.00	\$21,242.00
46	2" Type K Copper	42 LF	\$36.00	\$1,512.00	\$59.26	\$2,488.92	\$32.40	\$1,360.80	\$30.00	\$1,260.00	\$41.00	\$1,722.00	\$38.00	\$1,596.00	\$32.00	\$1,344.00
47	Connect to Existing Water Service (All Sizes)	26 EA	\$180.00	\$4,680.00	\$252.07	\$6,553.82	\$162.00	\$4,212.00	\$368.00	\$9,568.00	\$1,475.00	\$38,350.00	\$600.00	\$15,600.00	\$250.00	\$6,500.00
48	Tracer Wire Access Box for Water Main	3 EA	\$120.00	\$360.00	\$122.13	\$366.39	\$108.00	\$324.00	\$107.00	\$321.00	\$99.00	\$297.00	\$125.00	\$375.00	\$600.00	\$1,800.00
49	Fire Hydrant Assembly	2 EA	\$4,000.00	\$8,000.00	\$3,409.53	\$6,819.06	\$3,510.00	\$7,020.00	\$5,065.00	\$10,130.00	\$2,825.00	\$5,650.00	\$5,000.00	\$10,000.00	\$3,400.00	\$6,800.00
50	Remove Sanitary Sewer Manhole	4 EA	\$480.00	\$1,920.00	\$402.70	\$1,610.80	\$432.00	\$1,728.00	\$550.00	\$2,200.00	\$400.00	\$1,600.00	\$500.00	\$2,000.00	\$400.00	\$1,600.00
51	Sanitary Sewer Manhole	5 EA	\$2,700.00	\$13,500.00	\$2,650.02	\$13,250.10	\$2,430.00	\$12,150.00	\$2,583.00	\$12,915.00	\$2,311.00	\$11,555.00	\$2,175.00	\$10,875.00	\$3,200.00	\$16,000.00
52	Adjust Manhole to Grade	5 EA	\$270.00	\$1,350.00	\$335.48	\$1,677.40	\$250.00	\$1,250.00	\$500.00	\$2,500.00	\$450.00	\$2,250.00	\$1,200.00	\$6,000.00	\$500.00	\$2,500.00
53	12" PVC Sanitary Sewer Main	1,263 LF	\$37.00	\$46,731.00	\$52.85	\$66,749.55	\$33.48	\$42,285.24	\$30.00	\$37,890.00	\$47.00	\$59,361.00	\$48.00	\$60,624.00	\$45.00	\$56,835.00
54	10" PVC Sanitary Sewer Main	66 LF	\$33.50	\$2,211.00	\$55.36	\$3,653.76	\$30.24	\$1,995.84	\$33.00	\$2,178.00	\$41.00	\$2,706.00	\$44.00	\$2,904.00	\$43.00	\$2,838.00
55	6" PVC Sanitary Sewer Service	264 LF	\$24.00	\$6,336.00	\$48.26	\$12,740.64	\$21.60	\$5,702.40	\$20.75	\$5,478.00	\$37.00	\$9,768.00	\$35.00	\$9,240.00	\$40.00	\$10,560.00
56	4" PVC Sanitary Sewer Service	627 LF	\$20.50	\$12,853.50	\$41.04	\$25,732.08	\$18.36	\$11,511.72	\$18.50	\$11,599.50	\$34.00	\$21,318.00	\$33.00	\$20,691.00	\$26.00	\$16,302.00
57	12" x 4" Sanitary Sewer Wye	31 EA	\$350.00	\$10,850.00	\$359.68	\$11,150.08	\$324.00	\$10,044.00	\$230.00	\$7,130.00	\$433.00	\$13,423.00	\$400.00	\$12,400.00	\$400.00	\$12,400.00
58	12" x 6" Sanitary Sewer Wye	8 EA	\$350.00	\$2,800.00	\$372.22	\$2,977.76	\$324.00	\$2,592.00	\$240.00	\$1,920.00	\$445.00	\$3,560.00	\$425.00	\$3,400.00	\$500.00	\$4,000.00
59	Connect to Existing Sanitary Sewer Main	2 EA	\$350.00	\$700.00	\$631.95	\$1,263.90	\$324.00	\$648.00	\$1,389.00	\$2,778.00	\$2,221.00	\$4,442.00	\$1,000.00	\$2,000.00	\$1,200.00	\$2,400.00
60	Connect to Existing Sanitary Sewer Service	39 EA	\$150.00	\$5,850.00	\$322.67	\$12,584.13	\$135.00	\$5,265.00	\$391.00	\$15,249.00	\$1,844.00	\$71,916.00	\$650.00	\$25,350.00	\$500.00	\$19,500.00
61	Tracer Wire Box for Sanitary Sewer Service	27 EA	\$120.00	\$3,240.00	\$150.31	\$4,058.37	\$108.00	\$2,916.00	\$73.50	\$1,984.50	\$116.00	\$3,132.00	\$125.00	\$3,375.00	\$600.00	\$16,200.00
62	Sanitary Sewer Bypass Pumping	1 LS	\$6,000.00	\$6,000.00	\$4,562.87	\$4,562.87	\$5,400.00	\$5,400.00	\$2,500.00	\$2,500.00	\$5,500.00	\$5,500.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00
63	Remove and Dispose 2'x3' Inlet w/ Frame and Grate	1 EA	\$350.00	\$350.00	\$363.66	\$363.66	\$324.00	\$324.00	\$275.00	\$275.00	\$400.00	\$400.00	\$350.00	\$350.00	\$500.00	\$500.00
64	Storm Sewer Inlet	3 EA	\$2,750.00	\$8,250.00	\$2,033.55	\$6,100.65	\$2,484.00	\$7,452.00	\$3,455.00	\$10,365.00	\$2,550.00	\$7,650.00	\$1,430.00	\$4,290.00	\$3,000.00	\$9,000.00
65	12" RCP Storm Sewer Pipe	69 LF	\$50.00	\$3,450.00	\$68.91	\$4,754.79	\$43.20	\$2,980.80	\$53.25	\$3,674.25	\$47.00	\$3,243.00	\$58.00	\$4,002.00	\$50.00	\$3,450.00
66	18" RCP Storm Sewer Pipe	51 LF	\$60.00	\$3,060.00	\$77.49	\$3,951.99	\$51.84	\$2,643.84	\$66.00	\$3,366.00	\$56.00	\$2,856.00	\$65.00	\$3,315.00	\$60.00	\$3,060.00
67	Adjust Existing 2'x3' Inlet Casting to Grade	10 EA	\$300.00	\$3,000.00	\$335.48	\$3,354.80	\$350.00	\$3,500.00	\$185.75	\$1,857.50	\$400.00	\$4,000.00	\$300.00	\$3,000.00	\$250.00	\$2,500.00
68	Connect to Existing Storm Sewer Structure	2 EA	\$600.00	\$1,200.00	\$588.11	\$1,176.22	\$540.00	\$1,080.00	\$1,150.00	\$2,300.00	\$1,200.00	\$2,400.00	\$750.00	\$1,500.00	\$500.00	\$1,000.00
69	Connect to Existing Storm Sewer Pipe	15 EA	\$300.00	\$4,500.00	\$784.12	\$11,761.80	\$16.20	\$243.00	\$1,150.00	\$17,250.00	\$1,100.00	\$16,500.00	\$850.00	\$12,750.00	\$1,500.00	\$22,500.00
70	Traffic Control Miscellaneous	1 LS	\$18,500.00	\$18,500.00	\$16,692.65	\$16,692.65	\$19,500.12	\$19,500.12	\$16,000.00	\$16,000.00	\$13,200.00	\$13,200.00	\$35,000.00	\$35,000.00	\$15,000.00	\$15,000.00

**Sanborn Boulevard Utility and Street Improvements Phase I**

Mitchell, South Dakota

SPN Project No. 14547

**BID SCHEDULE A**

Item	Description	Quantity	BX Civil and Construction PO Box 187 Dell Rapids SD 57022		Thorstad Companies 101 2nd St. W. Chokio MN 56221		T&R Contracting 5000 N. Gulby Avenue Sioux Falls SD 57104		Hulstein Excavating, Inc. 147 175th Avenue Edgerton Mn 56128		First Rate Excavate Inc. 1509 E. 39th St., N. Sioux Falls SD 57104		H & W Contracting, LLC 3416 W. Hovland Drive Sioux Falls SD 57107		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
71	Project Traffic Control Signs	611 SF	\$6.00	\$3,664.20	\$6.21	\$3,792.45	\$5.40	\$3,297.78	\$5.90	\$3,603.13	\$5.50	\$3,358.85	\$5.50	\$3,358.85	\$8.00	\$4,885.60
72	Specialty Signs	663 SF	\$6.00	\$3,978.00	\$6.21	\$4,117.23	\$5.40	\$3,580.20	\$5.90	\$3,911.70	\$5.50	\$3,646.50	\$5.50	\$3,646.50	\$26.00	\$17,238.00
73	Temporary Closure Signs	80 SF	\$6.00	\$480.00	\$6.21	\$496.80	\$5.40	\$432.00	\$5.90	\$472.00	\$5.50	\$440.00	\$5.50	\$440.00	\$8.00	\$640.00
74	Type 3 Barricades	57 EA	\$120.00	\$6,840.00	\$124.18	\$7,078.26	\$108.00	\$6,156.00	\$117.75	\$6,711.75	\$110.00	\$6,270.00	\$110.00	\$6,270.00	\$125.00	\$7,125.00
75	Type C Advance Warning Arrow Board	2 EA	\$1,200.00	\$2,400.00	\$1,241.78	\$2,483.56	\$1,080.00	\$2,160.00	\$1,180.00	\$2,360.00	\$1,100.00	\$2,200.00	\$1,100.00	\$2,200.00	\$1,500.00	\$3,000.00
76	Orange Plastic Safety Fence	1,557 LF	\$2.50	\$3,892.50	\$2.48	\$3,861.36	\$3.24	\$5,044.68	\$3.25	\$5,060.25	\$2.20	\$3,425.40	\$2.25	\$3,503.25	\$6.00	\$9,342.00
77	Mobile Light Tower for Temporary Lighting	4 EA	\$9,700.00	\$38,800.00	\$6,343.10	\$25,372.40	\$8,325.72	\$33,302.88	\$10,000.00	\$40,000.00	\$8,965.00	\$35,860.00	\$8,970.00	\$35,880.00	\$5,500.00	\$22,000.00
78	Preformed Detector Loop	6 EA	\$225.00	\$1,350.00	\$2,155.74	\$12,934.44	\$313.20	\$1,879.20	\$355.00	\$2,130.00	\$209.00	\$1,254.00	\$210.00	\$1,260.00	\$500.00	\$3,000.00
79	Sawed-In Detector Loop	3 EA	\$1,250.00	\$3,750.00	\$2,471.15	\$7,413.45	\$718.20	\$2,154.60	\$815.00	\$2,445.00	\$1,155.00	\$3,465.00	\$1,160.00	\$3,480.00	\$2,000.00	\$6,000.00
80	4" White Pavement Marking Paint	1,130 LF	\$0.50	\$565.00	\$0.62	\$700.60	\$0.54	\$610.20	\$0.60	\$678.00	\$0.55	\$621.50	\$0.55	\$621.50	\$2.00	\$2,260.00
81	4" Yellow Pavement Marking Paint	3,662 LF	\$0.50	\$1,831.00	\$0.62	\$2,270.44	\$0.54	\$1,977.48	\$0.60	\$2,197.20	\$0.55	\$2,014.10	\$0.55	\$2,014.10	\$2.00	\$7,324.00
82	24" White Pavement Marking Paint	174 LF	\$3.50	\$609.00	\$3.73	\$649.02	\$3.24	\$563.76	\$4.00	\$696.00	\$3.30	\$574.20	\$3.50	\$609.00	\$5.00	\$870.00
83	Inlet Protection	19 EA	\$150.00	\$2,850.00	\$186.27	\$3,539.13	\$91.80	\$1,744.20	\$125.00	\$2,375.00	\$93.50	\$1,776.50	\$93.50	\$1,776.50	\$200.00	\$3,800.00
84	Seed, Fertilize and Mulch Disturbed Area	584 SY	\$11.50	\$6,716.00	\$3.73	\$2,178.32	\$3.24	\$1,892.16	\$3.55	\$2,073.20	\$3.30	\$1,927.20	\$3.50	\$2,044.00	\$3.00	\$1,752.00
Total for Bid Schedule A Items 1 - 84 Inclusive			\$1,089,503.70		\$1,299,426.91		\$1,210,756.00		\$1,168,141.58		\$1,570,329.44		\$1,452,006.50		\$1,273,377.00	

**Sanborn Boulevard Utility and Street Improvements Phase I**

Mitchell, South Dakota  
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**BID SCHEDULE B - ASPHALT SURFACING**

Item	Description	Quantity	BX Civil and Construction PO Box 187 Dell Rapids SD 57022		Thorstad Companies 101 2nd St. W. Chokio MN 56221		T&R Contracting 5000 N. Gulby Avenue Sioux Falls SD 57104		Hulstein Excavating, Inc. 147 175th Avenue Edgerton Mn 56128		First Rate Excavate Inc. 1509 E. 39th St., N. Sioux Falls SD 57104		H & W Contracting, LLC 3416 W. Hovland Drive Sioux Falls SD 57107		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization	1 LS			\$15,221.95	\$15,221.95					\$13,500.00	\$13,500.00	\$60,000.00	\$60,000.00	\$66,610.00	\$66,610.00
2	Unclassified Excavation	7,700 CY			\$7.95	\$61,215.00					\$8.00	\$61,600.00	\$17.00	\$130,900.00	\$10.00	\$77,000.00
3	8" Asphalt Surfacing	4,600 TN			\$73.00	\$335,800.00					\$80.30	\$369,380.00	\$80.00	\$368,000.00	\$95.00	\$437,000.00
4	6' Concrete Valley Gutter - 8" Depth	25 SY			\$87.83	\$2,195.75					\$120.00	\$3,000.00	\$110.00	\$2,750.00	\$65.00	\$1,625.00
5	8" Concrete Curb and Gutter	2,615 LF			\$17.25	\$45,108.75					\$21.60	\$56,484.00	\$20.00	\$52,300.00	\$18.00	\$47,070.00
6	8" Concrete Fillet Section	183 SY			\$87.54	\$16,019.82					\$108.00	\$19,764.00	\$100.00	\$18,300.00	\$65.00	\$11,895.00
Total for Bid Schedule B Items 1 - 6 Inclusive			NO BID		\$475,561.27		NO BID		NO BID		\$523,728.00		\$632,250.00		\$641,200.00	
Alt B7	Haul and Place City-Furnished Gravel Base Course	9,180 TN			\$7.50	\$68,850.00					\$8.25	\$75,735.00	\$8.25	\$75,735.00	\$12.00	\$110,160.00
Alt B8	Haul and Place Contractor-Furnished Base Course	9,180 TN			\$15.30	\$140,454.00					\$16.83	\$154,499.40	\$17.00	\$156,060.00	\$18.00	\$165,240.00
Total for Bid Schedule A, B and Alternate B7 Inclusive			NO BID		\$1,843,838.18		NO BID		NO BID		\$2,169,792.44		\$2,159,991.50		\$2,024,737.00	

**BID SCHEDULE C - CONCRETE SURFACING**

Item	Description	Quantity	BX Civil and Construction PO Box 187 Dell Rapids SD 57022		Thorstad Companies 101 2nd St. W. Chokio MN 56221		T&R Contracting 5000 N. Gulby Avenue Sioux Falls SD 57104		Hulstein Excavating, Inc. 147 175th Avenue Edgerton Mn 56128		First Rate Excavate Inc. 1509 E. 39th St., N. Sioux Falls SD 57104		H & W Contracting, LLC 3416 W. Hovland Drive Sioux Falls SD 57107		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization	1 LS	\$85,000.00	\$85,000.00	\$13,500.00	\$13,500.00	\$39,700.10	\$39,700.10	\$60,000.00	\$60,000.00	\$166,500.00	\$166,500.00	\$75,000.00	\$75,000.00	\$68,305.00	\$68,305.00
2	Unclassified Excavation	5,100 CY	\$4.00	\$20,400.00	\$7.95	\$40,545.00	\$10.45	\$53,295.00	\$5.00	\$25,500.00	\$8.00	\$40,800.00	\$17.00	\$86,700.00	\$10.00	\$51,000.00
3	4" Asphalt Surfacing	80.0 TN	\$120.00	\$9,600.00	\$100.00	\$8,000.00	\$108.00	\$8,640.00	\$85.00	\$6,800.00	\$110.00	\$8,800.00	\$110.00	\$8,800.00	\$105.00	\$8,400.00
4	9" Concrete Surfacing	9,191 SY	\$55.00	\$505,505.00	\$62.63	\$575,632.33	\$58.10	\$533,997.10	\$61.00	\$560,651.00	\$60.00	\$551,460.00	\$56.00	\$514,696.00	\$55.00	\$505,505.00
5	6' Concrete Valley Gutter - 9" Depth	25 SY	\$80.00	\$2,000.00	\$94.00	\$2,350.00	\$76.65	\$1,916.25	\$102.00	\$2,550.00	\$108.00	\$2,700.00	\$100.00	\$2,500.00	\$75.00	\$1,875.00
6	9" Concrete Curb and Gutter	2,615 LF	\$14.00	\$36,610.00	\$19.50	\$50,992.50	\$23.00	\$60,145.00	\$21.75	\$56,876.25	\$22.80	\$59,622.00	\$21.00	\$54,915.00	\$16.00	\$41,840.00
7	9" Concrete Fillet Section	183 SY	\$110.00	\$20,130.00	\$106.00	\$19,398.00	\$175.85	\$32,180.55	\$90.00	\$16,470.00	\$127.20	\$23,277.60	\$116.00	\$21,228.00	\$75.00	\$13,725.00
Total for Bid Schedule C Items 1 - 7 Inclusive			\$679,245.00		\$710,417.83		\$729,874.00		\$728,847.25		\$853,159.60		\$763,839.00		\$690,650.00	
Alt C8	Haul and Place City-Furnished Gravel Base Course	5,830 TN	\$8.40	\$48,972.00	\$7.20	\$41,976.00	\$9.40	\$54,802.00	\$16.60	\$96,778.00	\$8.50	\$49,555.00	\$14.00	\$81,620.00	\$12.00	\$69,960.00
Alt C9	Haul and Place Contractor-Furnished Base Course	5,830 TN	\$21.50	\$125,345.00	\$16.30	\$95,029.00	\$18.80	\$109,604.00	\$21.25	\$123,887.50	\$17.00	\$99,110.00	\$16.00	\$93,280.00	\$18.00	\$104,940.00
Total for Bid Schedule A, C and Alternate C8 Inclusive			\$1,817,720.70		\$2,051,820.74		\$1,995,432.00		\$1,993,766.83		\$2,473,044.04		\$2,297,465.50		\$2,033,987.00	



**Sanborn Boulevard Utility and Street Improvements Phase I**

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**ALTERNATE 1 - TWO-WAY TRAFFIC**

Item	Description	Quantity	BX Civil and Construction PO Box 187 Dell Rapids SD 57022		Thorstad Companies 101 2nd St. W. Chokio MN 56221		T&R Contracting 5000 N. Gulby Avenue Sioux Falls SD 57104		Hulstein Excavating, Inc. 147 175th Avenue Edgerton Mn 56128		First Rate Excavate Inc. 1509 E. 39th St., N. Sioux Falls SD 57104		H & W Contracting, LLC 3416 W. Hovland Drive Sioux Falls SD 57107		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Mobilization	1 LS	\$2,150.00	\$2,150.00	\$3,000.00	\$3,000.00	\$10,000.00	\$10,000.00	\$1,500.00	\$1,500.00	\$25,000.00	\$25,000.00	\$20,000.00	\$20,000.00	\$81,000.00	\$81,000.00
2	Traffic Control Signs	455 SF	\$6.00	\$2,730.00	\$5.00	\$2,275.00	\$5.40	\$2,457.00	\$6.00	\$2,730.00	\$5.50	\$2,502.50	\$5.50	\$2,502.50	\$8.00	\$3,640.00
3	Specialty Signs	108.0 SF	\$6.00	\$648.00	\$5.00	\$540.00	\$5.50	\$594.00	\$6.00	\$648.00	\$5.50	\$594.00	\$5.50	\$594.00	\$26.00	\$2,808.00
4	Type C Advance Warning Arrow Board	1 EA	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00	\$1,080.00	\$1,080.00	\$1,200.00	\$1,200.00	\$1,100.00	\$1,100.00	\$1,100.00	\$1,100.00	\$1,500.00	\$1,500.00
5	Temporary Gravel Surfacing	1,000 TN	\$21.50	\$21,500.00	\$16.50	\$16,500.00	\$22.00	\$22,000.00	\$20.50	\$20,500.00	\$18.00	\$18,000.00	\$14.00	\$14,000.00	\$18.00	\$18,000.00
6	Fine Grade Base Material	8,050 SY	\$0.50	\$4,025.00	\$1.00	\$8,050.00	\$2.00	\$16,100.00	\$15.40	\$123,970.00	\$1.00	\$8,050.00	\$1.50	\$12,075.00	\$2.00	\$16,100.00
7	Miscellaneous Traffic Control	1 LS	\$10,750.00	\$10,750.00	\$10,009.91	\$10,009.91	\$8,640.00	\$8,640.00	\$12,000.00	\$12,000.00	\$8,800.00	\$8,800.00	\$15,000.00	\$15,000.00	\$60,000.00	\$60,000.00
Total for Alternative 1 Items 1 - 7 Inclusive			\$43,003.00		\$41,374.91		\$60,871.00		\$162,548.00		\$64,046.50		\$65,271.50		\$183,048.00	
Total for Bid Schedule A, B and Alternate B7 and Alternative 1			NO BID		\$1,885,213.09		NO BID		NO BID		\$2,233,838.94		\$2,225,263.00		\$2,207,785.00	
Total for Bid Schedule A, C and Alternate C8 and Alternative 1			\$1,860,723.70		\$2,093,195.65		\$2,056,303.00		\$2,156,314.83		\$2,537,090.54		\$2,362,737.00		\$2,217,035.00	

**ALTERNATE 2 - FULL ROAD CLOSURE**

Item	Description	Quantity	BX Civil and Construction		Thorstad Companies		T&R Contracting		Hulstein Excavating, Inc.		First Rate Excavate Inc.		H & W Contracting, LLC		Engineer's Estimate	
			Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Addition / Deduct for Full Road Closure	1 LS	\$41,500.00	\$41,500.00	\$63,435.00	\$63,435.00	\$378,000.00	\$378,000.00	\$50,000.00	\$50,000.00	-\$40,000.00	-\$40,000.00	\$65,000.00	\$65,000.00	\$0.00	\$0.00
Total for Alternative 2 Item 1 Inclusive			\$41,500.00		\$63,435.00		\$378,000.00		\$50,000.00		-\$40,000.00		\$65,000.00		\$0.00	
Total for Bid Schedule A, B and Alternate B7 and Alternative 2			NO BID		\$1,907,273.18		NO BID		NO BID		\$2,129,792.44		\$2,224,991.50		\$2,024,737.00	
Total for Bid Schedule A, C and Alternate C8 and Alternative 2			\$1,859,220.70		\$2,115,255.74		\$2,373,432.00		\$2,043,766.83		\$2,433,044.04		\$2,362,465.50		\$2,033,987.00	