



Public Works Service Operations Department

DATE: March 16, 2020

FROM: Jeff Heintz, Service Operations Director 

ITEM: Bid Award for the Construction of Solid Waste Management Facility
Expansion Area Cell 1 Project

REQUEST

Request Commission approval to award the bid for the construction of solid waste management facility expansion area cell 1 project.

Please place this item on the 3/24/2020 City Commission meeting agenda.

BACKGROUND INFORMATION

Public Works Service Operations received bids at 4:00 p.m. on March 12, 2020, for the construction of solid waste management facility expansion area cell 1 project. The bid tab is attached. It is recommended to accept the low bid from R.J. Zavoral & Sons, Inc. in the amount of \$4,194,740.12.

RECOMMENDED CITY COMMISSION ACTION

Approve the bid award for the construction of the solid waste management facility expansion area cell 1 project to R.J. Zavoral & Sons, Inc. for \$4,194,740.12.

STAFF CONTACT INFORMATION

Jeff Heintz | Service Operations Director, 355-1700 or jheintz@bismarcknd.gov

CITY OF BISMARCK PUBLIC WORKS DEPARTMENT
 BIDDER PROPOSALS - BID TAB
 City of Bismarck Solid Waste Management Facility Project
 Expansion Area Cell 1
 LF 2020-001

Item No.	Description	Unit	Quantity	Engineer Opinion of Cost		R.J. Zavoral & Son's		Northern Improvement		Park Construction		Burski Excavating		Jensen Brothers Construction		Baranko Brothers Inc.		Martin Construction		Strata	
				Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
201-3.1	Clearing and Grubbing	LSUM	1	\$ 8,000.00	\$ 8,000	\$ 50,000.00	\$ 50,000.00	\$ 6,344.00	\$ 6,344.00	\$ 13,000.00	\$ 13,000.00	\$ 15,000.00	\$ 15,000.00	\$ 4,604.17	\$ 4,604.17	\$ 9,100.00	\$ 9,100.00	\$ 30,979.57	\$ 30,979.57	\$ 65,000.00	\$ 65,000.00
202-4.2	Rock Excavation	CY	2,500	\$ 3.50	\$ 8,750	\$ 8.00	\$ 20,000.00	\$ 20.00	\$ 50,000.00	\$ 8.00	\$ 14,500.00	\$ 21.00	\$ 52,500.00	\$ 9.20	\$ 23,000.00	\$ 5.72	\$ 14,300.00	\$ 11.67	\$ 29,175.00	\$ 15.00	\$ 37,500.00
204-3.1	Subgrade Preparation For Gravel Surface Course	SY	28,075	\$ 1.50	\$ 42,113	\$ 1.25	\$ 35,093.75	\$ 1.58	\$ 44,358.50	\$ 0.66	\$ 18,529.50	\$ 2.00	\$ 56,150.00	\$ 1.39	\$ 39,024.25	\$ 0.41	\$ 11,510.75	\$ 1.08	\$ 30,321.00	\$ 1.10	\$ 30,882.50
205-4.1	Silt Fence	LF	3,200	\$ 2.50	\$ 8,000	\$ 2.00	\$ 6,400.00	\$ 2.00	\$ 6,400.00	\$ 2.55	\$ 8,160.00	\$ 2.34	\$ 7,488.00	\$ 2.33	\$ 7,456.00	\$ 2.45	\$ 7,840.00	\$ 2.45	\$ 7,840.00	\$ 2.00	\$ 6,400.00
205-4.9	12-inch fiber rolls	LF	15,445	\$ 2.30	\$ 35,524	\$ 2.00	\$ 30,890.00	\$ 2.00	\$ 30,890.00	\$ 2.00	\$ 30,890.00	\$ 2.40	\$ 37,068.00	\$ 2.38	\$ 36,759.10	\$ 2.37	\$ 36,604.65	\$ 2.23	\$ 34,442.35	\$ 2.05	\$ 31,662.25
302-4.2	Class 13 Aggregate Surface (Perimeter and Head Roadway Surface Gravel)	TON	10,606	\$ 30.00	\$ 318,180	\$ 18.80	\$ 199,392.80	\$ 18.97	\$ 201,195.82	\$ 18.50	\$ 196,211.00	\$ 20.00	\$ 212,120.00	\$ 20.47	\$ 217,104.82	\$ 22.00	\$ 233,332.00	\$ 19.83	\$ 210,316.98	\$ 20.50	\$ 217,433.00
801-4.50	6" WYE Branch	EA	1	\$ 500.00	\$ 500	\$ 825.00	\$ 825.00	\$ 1,260.00	\$ 1,260.00	\$ 5,790.00	\$ 5,790.00	\$ 500.00	\$ 500.00	\$ 5,120.76	\$ 5,120.76	\$ 7,980.00	\$ 7,980.00	\$ 21.23	\$ 21.23	\$ 1,800.00	\$ 1,800.00
801-4.60	Pipe Bedding Material	Tons	286	\$ 35.00	\$ 10,010	\$ 17.80	\$ 5,090.80	\$ 24.80	\$ 7,092.80	\$ 18.00	\$ 5,148.00	\$ 23.00	\$ 6,578.00	\$ 20.20	\$ 5,777.20	\$ 19.70	\$ 5,634.20	\$ 16.98	\$ 4,856.28	\$ 28.00	\$ 8,008.00
801-4.1	8" PVC Sanitary Sewer (SS) Pipe	LF	1,996	\$ 25.00	\$ 49,900	\$ 23.00	\$ 45,908.00	\$ 57.70	\$ 115,169.20	\$ 40.70	\$ 81,237.20	\$ 28.00	\$ 55,888.00	\$ 45.20	\$ 90,219.20	\$ 65.00	\$ 129,740.00	\$ 56.26	\$ 112,294.96	\$ 72.00	\$ 143,712.00
802-4.5	24-inch RCP culvert	LF	114	\$ 125.00	\$ 14,250	\$ 85.00	\$ 9,690.00	\$ 126.00	\$ 14,364.00	\$ 182.00	\$ 20,748.00	\$ 107.00	\$ 12,198.00	\$ 185.87	\$ 21,189.18	\$ 150.00	\$ 17,100.00	\$ 195.78	\$ 22,318.92	\$ 128.00	\$ 14,592.00
802-4.40	24-inch CMP culvert	LF	86	\$ 50.00	\$ 4,300	\$ 65.00	\$ 5,590.00	\$ 67.00	\$ 5,762.00	\$ 128.00	\$ 11,008.00	\$ 55.00	\$ 4,730.00	\$ 123.72	\$ 10,639.92	\$ 132.00	\$ 11,352.00	\$ 65.87	\$ 5,664.82	\$ 92.00	\$ 7,912.00
802-4.40	24-inch CMP culvert	LF	39	\$ 50.00	\$ 1,950	\$ 65.00	\$ 2,535.00	\$ 70.00	\$ 2,730.00	\$ 211.00	\$ 8,229.00	\$ 60.00	\$ 2,340.00	\$ 123.63	\$ 4,811.57	\$ 132.00	\$ 5,148.00	\$ 91.20	\$ 3,556.80	\$ 92.00	\$ 3,588.00
802-4.40	24-inch CMP culvert	LF	33	\$ 50.00	\$ 1,650	\$ 65.00	\$ 2,145.00	\$ 71.00	\$ 2,343.00	\$ 225.00	\$ 7,425.00	\$ 60.00	\$ 1,980.00	\$ 123.91	\$ 4,089.03	\$ 132.00	\$ 4,356.00	\$ 94.56	\$ 3,120.48	\$ 92.00	\$ 3,036.00
802-4.42	36-inch CMP culvert	LF	86	\$ 75.00	\$ 6,450	\$ 215.00	\$ 18,490.00	\$ 97.00	\$ 8,342.00	\$ 192.00	\$ 16,512.00	\$ 90.00	\$ 7,740.00	\$ 158.17	\$ 13,602.62	\$ 150.00	\$ 12,900.00	\$ 367.68	\$ 31,620.48	\$ 129.00	\$ 11,094.00
1201-4.1	Topsoiling and Topsoil Replacement over earthen stockpiles	CY	32,160	\$ 4.00	\$ 128,640	\$ 1.70	\$ 54,672.00	\$ 1.64	\$ 52,742.40	\$ 3.25	\$ 104,520.00	\$ 4.00	\$ 128,640.00	\$ 0.88	\$ 28,300.80	\$ 2.32	\$ 74,611.20	\$ 4.12	\$ 132,499.20	\$ 6.45	\$ 207,432.00
1202-4.1	Class I Seeding	SY	311,150	\$ 0.15	\$ 46,673	\$ 0.08	\$ 24,892.00	\$ 0.08	\$ 24,892.00	\$ 0.08	\$ 24,892.00	\$ 0.08	\$ 24,892.00	\$ 0.09	\$ 28,003.50	\$ 0.09	\$ 28,003.50	\$ 0.07	\$ 21,780.50	\$ 0.08	\$ 24,892.00
1202-4.4	Class IV Seeding	SY	14,925	\$ 0.25	\$ 3,731	\$ 0.08	\$ 1,194.00	\$ 0.08	\$ 1,194.00	\$ 0.08	\$ 1,194.00	\$ 0.08	\$ 1,194.00	\$ 0.09	\$ 1,343.25	\$ 0.09	\$ 1,343.25	\$ 0.06	\$ 895.50	\$ 0.08	\$ 1,194.00
1204-4.1	Mulching	SY	326,075	\$ 0.10	\$ 32,608	\$ 0.08	\$ 26,086.00	\$ 0.07	\$ 22,825.25	\$ 0.07	\$ 22,825.25	\$ 0.07	\$ 22,825.25	\$ 0.08	\$ 26,086.00	\$ 0.08	\$ 26,086.00	\$ 0.06	\$ 19,564.50	\$ 0.08	\$ 26,086.00
1205-4.1	Concrete Manhole	EA	6	\$ 7,500.00	\$ 45,000	\$ 5,000.00	\$ 30,000.00	\$ 6,485.00	\$ 38,910.00	\$ 6,790.00	\$ 40,740.00	\$ 5,700.00	\$ 34,200.00	\$ 5,789.13	\$ 34,734.78	\$ 6,870.00	\$ 41,220.00	\$ 5,838.58	\$ 35,031.48	\$ 11,500.00	\$ 69,000.00
SP2	Tree Row Removal	LSUM	1	\$ 5,000.00	\$ 5,000	\$ 12,225.00	\$ 12,225.00	\$ 27,200.00	\$ 27,200.00	\$ 13,000.00	\$ 13,000.00	\$ 9,500.00	\$ 9,500.00	\$ 6,906.26	\$ 6,906.26	\$ 75,000.00	\$ 75,000.00	\$ 32,187.69	\$ 32,187.69	\$ 48,000.00	\$ 48,000.00
SP3	Topsoil Removal and Stockpiling	CY	122,233	\$ 3.50	\$ 427,816	\$ 1.65	\$ 201,684.45	\$ 1.68	\$ 205,351.44	\$ 1.90	\$ 232,242.70	\$ 2.00	\$ 244,466.00	\$ 1.45	\$ 177,237.85	\$ 2.68	\$ 327,584.44	\$ 1.99	\$ 243,243.67	\$ 3.85	\$ 470,597.05
SP4	Watering	MGAL	100	\$ 25.00	\$ 2,500	\$ 55.00	\$ 5,500.00	\$ 21.00	\$ 2,100.00	\$ 83.00	\$ 8,300.00	\$ 150.00	\$ 15,000.00	\$ 27.62	\$ 2,762.00	\$ 30.00	\$ 3,000.00	\$ 50.00	\$ 5,000.00	\$ 38.00	\$ 3,800.00
SP5	Groundwater Control/Removal from Cell 1 Excavation	MGAL	21,200	\$ 2.00	\$ 42,400	\$ 1.50	\$ 31,800.00	\$ 7.70	\$ 163,240.00	\$ 0.01	\$ 212.00	\$ 5.00	\$ 106,000.00	\$ 7.85	\$ 166,420.00	\$ 5.60	\$ 118,720.00	\$ 0.01	\$ 212.00	\$ 8.00	\$ 169,600.00
SP7(A)	Excavation for Roadway and Stormwater Pond Embankments	CY	131,519	\$ 3.00	\$ 394,557	\$ 2.56	\$ 336,688.64	\$ 2.31	\$ 303,808.89	\$ 3.40	\$ 447,164.60	\$ 2.00	\$ 263,038.00	\$ 3.32	\$ 436,643.08	\$ 3.77	\$ 495,826.63	\$ 2.68	\$ 352,470.92	\$ 4.55	\$ 598,411.45
SP7(B)	Excavation for Equipment Pad Fill Areas	CY	406,623	\$ 2.75	\$ 1,118,213	\$ 2.56	\$ 1,040,954.88	\$ 2.22	\$ 902,703.06	\$ 1.95	\$ 792,914.85	\$ 2.30	\$ 935,232.90	\$ 3.32	\$ 1,349,988.36	\$ 2.71	\$ 1,101,948.33	\$ 5.00	\$ 2,033,115.00	\$ 4.45	\$ 1,809,472.35
SP7(C)	Unclassified Excavation placed in Stockpile	CY	670,505	\$ 2.10	\$ 1,408,061	\$ 2.56	\$ 1,716,493.80	\$ 2.74	\$ 1,837,183.70	\$ 2.50	\$ 1,676,262.50	\$ 2.65	\$ 1,776,838.25	\$ 2.49	\$ 1,669,557.45	\$ 3.40	\$ 2,279,717.00	\$ 3.00	\$ 2,011,515.00	\$ 4.20	\$ 2,816,121.00
SP9	Mobilization and Demobilization	LSUM	1	\$ 150,000.00	\$ 150,000	\$ 250,000.00	\$ 250,000.00	\$ 106,922.00	\$ 106,922.00	\$ 446,000.00	\$ 446,000.00	\$ 248,000.00	\$ 248,000.00	\$ 125,859.57	\$ 125,859.57	\$ 179,696.05	\$ 179,696.05	\$ 698,430.57	\$ 698,430.57	\$ 460,000.00	\$ 460,000.00
SP11	Rock Ditch Check	CY	30	\$ 175.00	\$ 5,250	\$ 55.00	\$ 1,650.00	\$ 123.00	\$ 3,690.00	\$ 105.00	\$ 3,150.00	\$ 150.00	\$ 4,500.00	\$ 58.88	\$ 1,769.40	\$ 35.00	\$ 1,050.00	\$ 160.80	\$ 4,824.00	\$ 150.00	\$ 4,500.00
SP13	8" Sanitary Sewer Connection to Existing 6" Sanitary Sewer	EA	1	\$ 7,500.00	\$ 7,500	\$ 1,200.00	\$ 1,200.00	\$ 1,260.00	\$ 1,260.00	\$ 3,800.00	\$ 3,800.00	\$ 6,500.00	\$ 6,500.00	\$ 7,360.32	\$ 7,360.32	\$ 7,980.00	\$ 7,980.00	\$ 3,757.92	\$ 3,757.92	\$ 5,200.00	\$ 5,200.00
SP14	Stormwater Pond Outlet Structure	EA	1	\$ 30,000.00	\$ 30,000	\$ 27,650.00	\$ 27,650.00	\$ 27,914.00	\$ 27,914.00	\$ 34,500.00	\$ 34,500.00	\$ 35,000.00	\$ 35,000.00	\$ 35,230.81	\$ 35,230.81	\$ 41,700.00	\$ 41,700.00	\$ 32,908.36	\$ 32,908.36	\$ 41,800.00	\$ 41,800.00
Project LF 2020-001 Total Bid Amount					\$ 4,257,523.50		\$ 4,194,740.12		\$ 4,218,188.06		\$ 4,287,345.60		\$ 4,328,778.40		\$ 4,581,643.25		\$ 5,310,000.00		\$ 6,153,965.18		\$ 7,338,715.60
Bid Amount As Read on Bid Opening Form					\$ -		\$ 4,194,740.12		\$ 4,218,188.06		\$ 4,287,345.60		\$ 4,328,778.40		\$ 4,581,643.25		\$ 5,310,000.00		\$ 6,153,965.18		\$ 7,338,715.60
Difference					\$ -		\$ -		\$ -		\$ -		\$ 74.62		\$ -		\$ -		\$ -		\$ -
Difference from Engineer Opinion of Cost							\$ -3.74%		\$ -3.20%		\$ -1.61%		\$ -0.66%		\$ 5.14%		\$ 21.86%		\$ 41.23%		\$ 68.41%
Difference from the Low Bid									\$ 23,447.94		\$ 92,605.48		\$ 134,038.28		\$ 386,903.13		\$ 1,115,259.88		\$ 1,959,225.06		\$ 3,143,975.48