Stantec

COST ESTIMATE - Alternative 2 - Dumbbell Interchange
I-29
NDDOT
IM-8-029(213)069, PCN 23596

PREPARED BY: MJF
DATE: 2/28/2024

NO.	SPEC	CODE	ITEM	UNIT	UNIT PRICE	TOTAL PROJECT IM-8-029(213)069, PCN 23596 QUANTITY	TOTAL PROJECT COST	Area 1 - INTERCHANGE AREA QUANTITY	Area 1 COST	Area 2 - 81 & 40TH AVE RNDBT AREA QUANTITY	Area 2 COST	Area 3 - EAST LEG AREA QUANTITY	Area 3 COST	
1	103	100	CONTRACT BOND	L SUM	$ 221,368.28	1	$ 221,368.28	0.59	$ 130,607.28	0.34	$ 75,265.22	0.07	$ 15,495.78	$ -
2	107	0140	RAILROAD COORDINATION	L SUM	$ 2,650.00	1	$ 2,650.00	0.17	$ 450.50	0.83	$ 2,199.50		$ -	$ -
3	203	0109	TOPSOIL	CY	$ 15.00	25216	$ 378,240.00	15825	$ 237,375.00	7043	$ 105,645.00	2348	$ 35,220.00	$ -
4	202	0108	REMOVAL OF STRUCTURE-SITE 1	L SUM	$ 200,000.00	1	$ 200,000.00	1.00	$ 200,000.00		$ -		$ -	$ -
5	202	0109	REMOVAL OF STRUCTURE-SITE 2	L SUM	$ 175,000.00	1	$ 175,000.00	0.17	$ 29,750.00	0.83	$ 145,250.00		$ -	$ -
6	203	0140	BORROW-EXCAVATION	CY	$ 10.00	173151	$ 1,731,510.00	86575	$ 865,750.00	60603	$ 606,030.00	25973	$ 259,730.00	$ -
7	203	0180	ROADWAY OBLITERATION	LF	$ 30.00	5338	$ 160,140.00	2747	$ 82,410.00	1943	$ 58,290.00	648	$ 19,440.00	$ -
8	210	0150	BOX CULVERT EXCAVATION	EA	$ 15,000.00	2	$ 30,000.00	2	$ 30,000.00		$ -		$ -	$ -
9	210	0210	FOUNDATION FILL	CY	$ 85.00	4000	$ 340,000.00	4000	$ 340,000.00		$ -		$ -	$ -
10	210	0405	FOUNDATION PREPARATION-BOX CULVERT	EA	$ 20,000.00	2	$ 40,000.00	2	$ 40,000.00		$ -		$ -	$ -
11	251	0200	EROSION CONTROL	ACRE	$ 500.00	126	$ 62,865.00	79.00	$ 39,500.00	35.04	$ 17,520.00	11.69	$ 5,845.00	$ -
12	302	0120	AGGREGATE BASE COURSE CL 5	TON	$ 33.00	13825	$ 456,225.00	8284	$ 273,372.00	4156	$ 137,148.00	1385	$ 45,705.00	$ -
13	550	0305	CONCRETE MEDIAN PAVEMENT	SY	$ 125.00	3741	$ 467,625.00	2085	$ 260,625.00	1623	$ 202,875.00	33	$ 4,125.00	$ -
14	550		9IN NON-REINF CONCRETE PVMT CL AE-DOWELED	SY	$ 90.00	32807	$ 2,952,630.00	20215	$ 1,819,350.00	9444	$ 849,960.00	3148	$ 283,320.00	$ -
15	606	1209	12FT X 9 FT RCB CULVERT	LF	$ 2,000.00	180	$ 360,000.00	180	$ 360,000.00		$ -		$ -	$ -
16	606	5209	12 FT X 9 FT RCB END SECTION	EA	$ 60,000.00	4	$ 240,000.00	4	$ 240,000.00		$ -		$ -	$ -
17	701	1000	TRAFFIC CONTROL	L SUM	$ 600,000.00	1	$ 600,000.00	0.59	$ 354,000.00	0.34	$ 204,000.00	0.07	$ 42,000.00	$ -
18	702	0100	MOBILIZATION	L SUM	$ 2,361,261.65	1	$ 2,361,261.65	0.59	$ 1,393,144.37	0.34	$ 802,828.96	0.07	$ 165,288.32	$ -
19	709	0100	GEOSYNTHETIC MATERIAL TYPE G	SY	$ 10.00	400	$ 4,000.00	400	$ 4,000.00		$ -		$ -	$ -
20	714		STORM SEWER	L SUM	$ 1,300,000.00	1	$ 1,300,000.00	0.65	$ 845,000.00	0.25	$ 325,000.00	0.1	$ 130,000.00	$ -
21	748	0140	Curb & Gutter-Type I	LF	$ 50.00	12413	$ 620,650.00	7086	$ 354,300.00	5220	$ 261,000.00	107	$ 5,350.00	$ -
22	750	0115	SIDEWALK CONCRETE 4IN	SY	$ 90.00	3669	$ 330,210.00	1798	$ 161,820.00	1248	$ 112,320.00	623	$ 56,070.00	$ -
23	752		FENCE	L SUM	$ 100,000.00	1	$ 100,000.00	1.0	$ 100,000.00		$ -		$ -	$ -
24	754		SIGNING	L SUM	$ 100,000.00	1	$ 100,000.00	0.65	$ 65,000.00	0.25	$ 25,000.00	0.1	$ 10,000.00	$ -
25	762		PAVEMENT MARKING	L SUM	$ 120,000.00	1	$ 120,000.00	0.65	$ 78,000.00	0.25	$ 30,000.00	0.1	$ 12,000.00	$ -
26	764	0131	W-BEAM GUARDRAIL	LF	$ 36.00	1140	$ 41,040.00	663	$ 23,868.00	477	$ 17,172.00		$ -	$ -
27	930	3000	BRIDGE BENCH MARKS	SET	$ 7,500.00	1	$ 7,500.00	1	$ 7,500.00		$ -		$ -	$ -
28	930		SETTLEMENT MITIGATION (GEOFOAM)	CY	$ 100.00	71100	$ 7,110,000.00	35550	$ 3,555,000.00	24885	$ 2,488,500.00	10665	$ 1,066,500.00	$ -
29			I-29 BRIDGE	L SUM	$ 6,240,275.60	1	$ 6,240,275.60	1.00	$ 6,240,275.60		$ -		$ -	$ -
30			BNSF BRIDGE	L SUM	$ 5,423,210.00	1	$ 5,423,210.00	0.17	$ 921,945.70	0.83	$ 4,501,264.30		$ -	$ -
31			Temporary ROW	ACRE	$ 10,000.00	2.20	$ 22,000.00	0.80	$ 8,000.00	1.40	$ 14,000.00	0.00	$ -	$ -
32			Permanent ROW	ACRE	$ 100,000.00	1.00	$ 100,000.00	0.90	$ 90,000.00	0.10	$ 10,000.00	0.00	$ -	$ -
33			LIGHTING SYSTEM	L SUM	$ 400,000.00	1	$ 400,000.00	0.7	$ 280,000.00	0.25	$ 100,000.00	0.05	$ 20,000.00	$ -
34			UTILITIES (IMPACTED UTILITIES)	L SUM	$ 800,000.00	1	$ 800,000.00	0.59	$ 472,000.00	0.34	$ 272,000.00	0.07	$ 56,000.00	$ -
SUBTOTAL							$33,498,400.53		$19,903,043.46		$11,363,267.98		$2,232,089.09	$ -
20%		Construction Delivery					$6,699,680.11		$3,980,608.69		$2,272,653.60		$446,417.82	$ -
20%		Contingency					$6,699,680.11		$3,980,608.69		$2,272,653.60		$446,417.82	$ -
10%		Engineering					$3,349,840.05		$1,990,304.35		$1,136,326.80		$223,208.91	$ -
TOTAL CONSTRUCTION ESTIMATE							**$50,247,600.79**		**$29,854,565.19**		**$17,044,901.96**		**$3,348,133.64**	$0.00
								50% BIP 50% State		50% BIP 40% State 10% Local (Split between Cass County & City of Fargo)		100% Local (City of Fargo)		