

OPINION OF PROBABLE COST

WSB Project: Argenta Trail Reconstruction Project
 Project Location: City of Eagan & City of Inver Grove Heights
 City Project No.: City of Eagan: City Project No. 1377. City of Inver Grove Heights: City Project No. 2023-09E.
 WSB Project No: 020720-000

Design By: JL
 Checked By: MRH

Date: 3/26/2024

Item No.	MnDOT Specification No.	Description	Unit	Estimated Total Quantity	Estimated Unit Price	Estimated Total Cost
A. Surface Improvements						
1	2021.501	MOBILIZATION	LS	1	\$ 25,800.00	\$ 25,800.00
2	2104.502	SALVAGE MAIL BOX SUPPORT	EACH	6	\$ 100.00	\$ 600.00
3	2104.502	REMOVE SIGN	EACH	15	\$ 50.00	\$ 750.00
4	2104.503	REMOVE CURB & GUTTER	L F	235	\$ 8.00	\$ 1,880.00
5	2104.503	SAWING BIT PAVEMENT (FULL DEPTH)	L F	95	\$ 4.00	\$ 380.00
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	L F	15	\$ 5.00	\$ 75.00
7	2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	S Y	100	\$ 2.00	\$ 200.00
8	2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	S Y	29	\$ 15.00	\$ 435.00
9	2104.601	SALVAGE AND REINSTALL LANDSCAPE STRUCTURES	LS	1	\$ 1,000.00	\$ 1,000.00
10	2106.507	EXCAVATION - COMMON	C Y	163	\$ 30.00	\$ 4,878.13
11	2106.507	EXCAVATION - SUBGRADE	C Y	130	\$ 30.00	\$ 3,902.50
12	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOURL	8	\$ 250.00	\$ 2,000.00
13	2130.523	WATER	MGAL	39	\$ 130.00	\$ 5,073.25
14	2211.507	AGGREGATE BASE (CV) CLASS 5	C Y	87	\$ 35.00	\$ 3,035.28
15	2112.519	SUBGRADE PREPARATION	RDST	21	\$ 600.00	\$ 12,600.00
16	2215.504	FULL DEPTH RECLAMATION	S Y	7805	\$ 7.00	\$ 54,635.00
17	2231.603	JOINT ADHESIVE	L F	4200	\$ 4.00	\$ 16,800.00
18	2360.504	TYPE SP 9.5 WEAR CRS MIX(2.B)3.0" THICK	S Y	100	\$ 46.00	\$ 4,600.00
19	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3.C)	TON	882	\$ 90.00	\$ 79,376.85
20	2360.509	TYPE SP 12.5 NON WEAR COURSE MIX (3.C)	TON	2205	\$ 87.00	\$ 191,827.39
21	2531.503	CONCRETE CURB & GUTTER DESIGN B618	L F	2095	\$ 30.00	\$ 62,850.00
22	2540.602	TEMPORARY MAIL BOX	EACH	6	\$ 100.00	\$ 600.00
23	2540.602	INSTALL MAIL BOX SUPPORT	EACH	6	\$ 300.00	\$ 1,800.00
24	2540.602	MAIL BOX	EACH	6	\$ 250.00	\$ 1,500.00
25	2563.601	TRAFFIC CONTROL	LS	1	\$ 25,000.00	\$ 25,000.00
26	2564.502	INSTALL SIGN	EACH	2	\$ 180.00	\$ 360.00
27	2564.518	SIGN PANELS TYPE C	S F	90	\$ 45.00	\$ 4,050.00
28	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	L F	1920	\$ 3.00	\$ 5,760.00
29	2574.508	FERTILIZER TYPE 3	LB	100	\$ 4.00	\$ 400.00
30	2575.504	ROLLED EROSION PREVENTION CATEGORY 20	S Y	480	\$ 2.00	\$ 960.00
31	2575.505	SEEDING	ACRE	1	\$ 4,000.00	\$ 4,000.00
32	2575.508	HYDRAULIC BONDED FIBER MATRIX	LB	1488	\$ 5.00	\$ 7,440.00
33	2582.503	4" DBLE SOLID LINE MULTI COMP	L F	1200	\$ 3.00	\$ 3,600.00
34	2582.503	4" SOLID LINE MULTI COMP	L F	6700	\$ 1.50	\$ 10,050.00
35	2582.503	4" BROKEN LINE MULTI COMP	L F	1200	\$ 1.50	\$ 1,800.00
					CONSTRUCTION TOTAL	\$ 540,018.39
					CONTINGENCY TOTAL (10%)	\$ 54,001.84
					SUBTOTAL	\$ 594,020.23
					INDIRECT COST TOTAL (28%)	\$ 166,325.66
					TOTAL	\$ 760,345.89
B. Storm Sewer Improvements						
36	2021.501	MOBILIZATION	LS	1	\$ 13,200.00	\$ 13,200.00
37	2104.504	REMOVE METAL CULVERT	L F	65	\$ 15.00	\$ 975.00
38	2503.503	15" RC PIPE SEWER DES 3006 CL V	L F	160	\$ 85.00	\$ 13,600.00
39	2503.503	18" RC PIPE SEWER DES 3006 CL V	L F	2025	\$ 90.00	\$ 182,250.00
40	2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	1	\$ 1,500.00	\$ 1,500.00
41	2506.502	ADJUST FRAME & RING CASTING	EACH	2	\$ 550.00	\$ 1,100.00
42	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	L F	60	\$ 750.00	\$ 45,000.00
43	2506.602	CONST DRAINAGE STRUCTURE DESIGN SPEC (2'X3')	EACH	5	\$ 3,000.00	\$ 15,000.00
44	2573.502	STORM DRAIN INLET PROTECTION	EACH	17	\$ 200.00	\$ 3,400.00
					CONSTRUCTION TOTAL	\$ 276,025.00
					CONTINGENCY TOTAL (10%)	\$ 27,602.50
					SUBTOTAL	\$ 303,627.50
					INDIRECT COST TOTAL (28%)	\$ 85,015.70
					TOTAL	\$ 388,643.20

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C. Watermain Improvements - City of Eagan						
45	2021.501	MOBILIZATION	LS	1	\$ 24,200.00	\$ 24,200.00
46	2104.502	REMOVE GATE VALVE & BOX	EACH	3	\$ 350.00	\$ 1,050.00
47	2104.503	REMOVE WATER MAIN	L F	935	\$ 20.00	\$ 18,700.00
48	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	3	\$ 1,800.00	\$ 5,400.00
49	2504.602	HYDRANT	EACH	4	\$ 8,000.00	\$ 32,000.00
50	2504.602	6" GATE VALVE & BOX	EACH	4	\$ 2,500.00	\$ 10,000.00
51	2504.602	8" GATE VALVE & BOX	EACH	4	\$ 4,200.00	\$ 16,800.00
52	2504.603	6" WATERMAIN DUCTILE IRON CL 52	L F	200	\$ 100.00	\$ 20,000.00
53	2504.603	8" WATERMAIN DUCTILE IRON CL 52	L F	2600	\$ 140.00	\$ 364,000.00
54	2504.608	DUCTILE IRON FITTINGS	LB	800	\$ 20.00	\$ 16,000.00
CONSTRUCTION TOTAL						\$ 508,150.00
CONTINGENCY TOTAL (10%)						\$ 50,815.00
SUBTOTAL						\$ 558,965.00
INDIRECT COST TOTAL (28%)						\$ 156,510.20
TOTAL						\$ 715,475.20
D. Water Service Extensions - City of Inver Grove Heights						
55	2021.501	MOBILIZATION	LS	1	\$ 1,500.00	\$ 1,500.00
56	2504.602	1" CURB STOP & BOX	EACH	5	\$ 1,000.00	\$ 5,000.00
57	2504.602	1" CORPORATION STOP	EACH	5	\$ 700.00	\$ 3,500.00
58	2504.603	1" TYPE K COPPER PIPE	L F	285	\$ 70.00	\$ 19,950.00
CONSTRUCTION TOTAL						\$ 29,950.00
CONTINGENCY TOTAL (10%)						\$ 2,995.00
SUBTOTAL						\$ 32,945.00
INDIRECT COST TOTAL (28%)						\$ 9,224.60
TOTAL						\$ 42,169.60
E. Sanitary Sewer Improvements Connect to Eagan System - City of Inver Grove Heights						
59	2021.501	MOBILIZATION	LS	1	\$ 4,900.00	\$ 4,900.00
60	2451.607	TRENCH STABILIZATION MATERIAL (CV)	C Y	120	\$ 60.00	\$ 7,200.00
61	2503.503	8" PVC PIPE SEWER	L F	982	\$ 65.00	\$ 63,830.00
62	2503.602	CONNECT TO EXISTING MANHOLES (SAN)	EACH	1	\$ 1,800.00	\$ 1,800.00
63	2503.603	TELEVISIONING SANITARY SEWER	L F	982	\$ 4.00	\$ 3,928.00
64	2506.502	CASTING ASSEMBLY	EACH	2	\$ 1,100.00	\$ 2,200.00
65	2506.602	CHIMNEY SEAL	EACH	2	\$ 350.00	\$ 700.00
66	2506.603	CONSTRUCT 48" DIA SANITARY MANHOLE	L F	30	\$ 600.00	\$ 18,000.00
CONSTRUCTION TOTAL						\$ 102,558.00
CONTINGENCY TOTAL (10%)						\$ 10,255.80
SUBTOTAL						\$ 112,813.80
INDIRECT COST TOTAL (28%)						\$ 31,587.86
TOTAL						\$ 144,401.66
F. Sanitary Sewer Improvements South of 88th Street - City of Inver Grove Heights						
67	2021.501	MOBILIZATION	LS	1	\$ 3,800.00	\$ 3,800.00
68	2451.607	TRENCH STABILIZATION MATERIAL (CV)	C Y	30	\$ 60.00	\$ 1,800.00
69	2503.503	8" PVC PIPE SEWER	L F	573	\$ 65.00	\$ 37,245.00
70	2503.602	8"x4" PVC WYE	EACH	5	\$ 600.00	\$ 3,000.00
71	2503.603	4" PVC PIPE SEWER	L F	335	\$ 60.00	\$ 20,100.00
72	2503.603	TELEVISIONING SANITARY SEWER	L F	573	\$ 4.00	\$ 2,292.00
73	2506.502	CASTING ASSEMBLY	EACH	1	\$ 1,100.00	\$ 1,100.00
74	2506.602	CHIMNEY SEAL	EACH	1	\$ 350.00	\$ 350.00
75	2506.603	CONSTRUCT 48" DIA SANITARY MANHOLE	L F	15	\$ 600.00	\$ 9,000.00
CONSTRUCTION TOTAL						\$ 78,687.00
CONTINGENCY TOTAL (10%)						\$ 7,868.70
SUBTOTAL						\$ 86,555.70
INDIRECT COST TOTAL (28%)						\$ 24,235.60
TOTAL						\$ 110,791.30

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G. Dakota County Regional Greenway Trail - Dakota County						
76	2021.501	MOBILIZATION	LS	1	\$ 17,800.00	\$ 17,800.00
77	2101.505	CLEARING	ACRE	1	\$ 2,500.00	\$ 2,500.00
78	2101.505	GRUBBING	ACRE	1	\$ 2,500.00	\$ 2,500.00
79	2104.503	SAWING BIT PAVEMENT (FULL DEPTH)	L F	70	\$ 4.00	\$ 280.00
80	2106.507	EXCAVATION - COMMON	C Y	1239	\$ 30.00	\$ 37,176.94
81	2112.519	SUBGRADE PREPARATION	RDST	5	\$ 600.00	\$ 3,000.00
82	2130.523	WATER	MGAL	9	\$ 130.00	\$ 1,157.00
83	2211.507	AGGREGATE BASE (CV) CLASS 5	C Y	663	\$ 35.00	\$ 23,189.01
84	2215.504	FULL DEPTH RECLAMATION	S Y	1780	\$ 7.00	\$ 12,460.00
85	2231.603	JOINT ADHESIVE	L F	900	\$ 4.00	\$ 3,600.00
86	2531.503	CONCRETE CURB & GUTTER DESIGN B618	L F	3085	\$ 30.00	\$ 92,550.00
87	2360.509	TYPE SP 9.5 WEARING COURSE MIX (2,B)	TON	490	\$ 80.00	\$ 39,221.55
88	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	201	\$ 90.00	\$ 18,102.60
89	2360.509	TYPE SP 12.5 NON WEAR COURSE MIX (3,C)	TON	503	\$ 87.00	\$ 43,747.95
90	2503.503	18" RC PIPE SEWER DES 3006 CL V	L F	475	\$ 90.00	\$ 42,750.00
91	2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	1	\$ 1,500.00	\$ 1,500.00
92	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	L F	36	\$ 750.00	\$ 27,000.00
93	2521.518	6" CONCRETE WALK	S F	200	\$ 15.00	\$ 3,000.00
94	2531.618	TRUNCATED DOMES	S F	30	\$ 60.00	\$ 1,800.00
95	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	L F	150	\$ 3.00	\$ 450.00
96	2574.508	FERTILIZER TYPE 3	LB	26	\$ 4.00	\$ 104.00
97	2575.504	ROLLED EROSION PREVENTION CATEGORY 20	S Y	120	\$ 2.00	\$ 240.00
98	2575.505	SEEDING	ACRE	1	\$ 1,000.00	\$ 1,000.00
99	2575.508	HYDRAULIC BONDED FIBER MATRIX	LB	372	\$ 5.00	\$ 1,860.00
CONSTRUCTION TOTAL						\$ 373,335.05
CONTINGENCY TOTAL (10%)						\$ 37,333.51
SUBTOTAL						\$ 410,668.56
INDIRECT COST TOTAL (28%)						\$ 114,987.20
TOTAL						\$ 525,655.76
GRAND TOTAL						\$ 2,687,500.00

DISCLAIMER:

In review of this Opinion of Probable Cost, the Client understands that the Consultant has no control over the availability of labor, equipment or materials, market conditions, or the Contractor's method of pricing. This Opinion of Probable Cost is made on the basis of the Consultant's professional judgment and experience. The Consultant makes no warranty, expressed or implied, regarding the ultimate bids or negotiated cost of the Work.

Breakdown of Cost by Agency

Opinion of Probable Cost - Breakdown	Eagan		Inver Grove Heights		Dakota County		Total Cost
	% Share	Cost	% Share	Cost	% Share	Cost	
A. Surface Improvements	50%	\$ 380,172.94	50%	\$ 380,172.95	-		\$ 760,345.89
B. Storm Sewer Improvements	50%	194,321.60	50%	194,321.60	-		388,643.20
C. Watermain Improvements	100%	715,475.20	-		-		715,475.20
D. Water Service Extensions	-		100%	42,169.60	-		42,169.60
E. Sanitary Sewer - Connect to Eagan System	-		100%	144,401.66	-		144,401.66
F. Sanitary Sewer - South of 88th Street	-		100%	110,791.30	-		110,791.30
G. Dakota County Regional Greenway Trail	-		-		100%	525,655.76	525,655.76
Total Cost		\$ 1,289,969.74		\$ 871,857.11		\$ 525,655.76	\$ 2,687,482.61
Percent of Total Cost (for Design Cost Share)		48.00%		32.44%		19.56%	