

ENGINEER'S ESTIMATE - OPTION 2: NORTH SHARED USE PATH

167TH AVENUE RECONSTRUCTION
 CITY PROJECT NO. 23-04
 CITY OF RAMSEY, MN
 BMI PROJECT NO. 0R1.129245



ENGINEER'S ESTIMATE								ROADWAY		SHARED USE PATH		STORM SEWER		WATERMAIN	
ITEM NO.	MnDOT SPEC NO.	ITEM	NOTES	TOTAL ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
1	2021.501	MOBILIZATION		1	LUMP SUM	\$90,000.00	\$90,000.00	0.68	\$61,200.00	0.13	\$11,700.00	0.12	\$10,800.00	0.07	\$6,300.00
2	2104.503	REMOVE GATE VALVE & BOX		8	EACH	\$500.00	\$4,000.00							8	\$4,000.00
3	2104.503	REMOVE HYDRANT		8	EACH	\$1,000.00	\$8,000.00							8	\$8,000.00
4	2104.503	REMOVE PIPE SEWERS		1,325	LIN FT	\$20.00	\$26,500.00					1325	\$26,500.00		
5	2104.503	SAWING BIT PAVEMENT (FULL DEPTH)		1,320	LIN FT	\$2.50	\$3,300.00	1320	\$3,300.00						
6	2104.503	REMOVE CURB AND GUTTER		1,600	LIN FT	\$4.00	\$6,400.00	1600	\$6,400.00						
7	2104.504	REMOVE CONCRETE PAVEMENT		160	SQ YD	\$10.00	\$1,600.00	160	\$1,600.00						
8	2106.507	EXCAVATION - COMMON (EV)	(P) (1)	4,610	CU YD	\$18.00	\$82,980.00	3600	\$64,800.00	1010	\$18,180.00				
9	2106.507	EXCAVATION - SUBGRADE (EV)		400	CU YD	\$20.00	\$8,000.00	400	\$8,000.00						
10	2106.507	STABILIZING AGGREGATE (CV)		400	CU YD	\$20.00	\$8,000.00	400	\$8,000.00						
11	2112.519	SUBGRADE PREPARATION		59	ROAD ST	\$500.00	\$29,500.00	59	\$29,500.00						
12	2118.507	AGGREGATE SURFACING (CV) CLASS 2		100	CU YD	\$85.00	\$8,500.00	100	\$8,500.00						
13	2123.610	STREET SWEEPER (WITH PICKUP BROOM)		20	HOUR	\$200.00	\$4,000.00	20	\$4,000.00						
14	2211.607	AGGREGATE BASE (CV) FROM RECLAIM MATERIAL		740	CU YD	\$16.00	\$11,840.00			740	\$11,840.00				
15	2215.504	FULL DEPTH RECLAMATION (10")		30,760	SQ YD	\$2.50	\$76,900.00	30760	\$76,900.00						
16	2215.504	HAUL FULL DEPTH RECLAMATION (EV)	(2)	3,870	CU YD	\$20.00	\$77,400.00	3870	\$77,400.00						
17	2231.604	BITUMINOUS PATCH SPECIAL (DRIVEWAY)		700	SQ YD	\$80.00	\$56,000.00	700	\$56,000.00						
18	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C) (TRAIL)		670	TON	\$120.00	\$80,400.00			670	\$80,400.00				
19	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)		3,300	TON	\$100.00	\$330,000.00	3300	\$330,000.00						
20	2360.509	TYPE SP 12.5 NON WEARING COURSE MIX (3,C)		3,300	TON	\$95.00	\$313,500.00	3300	\$313,500.00						
21	2501.502	12" CS PIPE APRON		14	EACH	\$300.00	\$4,200.00					14	\$4,200.00		
22	2501.502	15" CS PIPE APRON		12	EACH	\$600.00	\$7,200.00					12	\$7,200.00		
23	2501.502	18" CS PIPE APRON		48	EACH	\$700.00	\$33,600.00					48	\$33,600.00		
24	2501.502	36" RC PIPE APRON		2	EACH	\$1,700.00	\$3,400.00					2	\$3,400.00		
25	2501.503	12" CS PIPE CULVERT		210	LIN FT	\$55.00	\$11,550.00					210	\$11,550.00		
26	2501.503	15" CS PIPE CULVERT		140	LIN FT	\$62.00	\$8,680.00					140	\$8,680.00		
27	2501.503	18" CS PIPE CULVERT		1,100	LIN FT	\$65.00	\$71,500.00					1100	\$71,500.00		
28	2501.503	36" RC PIPE SEWER DESIGN 3006 CLASS V		100	LIN FT	\$100.00	\$10,000.00					100	\$10,000.00		
29	2504.602	CONNECT TO EXISTING WATER MAIN		8	EACH	\$2,500.00	\$20,000.00							8	\$20,000.00
30	2504.602	HYDRANT		8	EACH	\$7,000.00	\$56,000.00							8	\$56,000.00
31	2504.602	ADJUST GATE VALVE BOX		9	EACH	\$500.00	\$4,500.00							9	\$4,500.00
32	2504.602	6" GATE VALVE		8	EACH	\$2,000.00	\$16,000.00							8	\$16,000.00
33	2504.603	6" WATERMAIN DUCTILE IRON CL 53		40	LIN FT	\$100.00	\$4,000.00							40	\$4,000.00
34	2504.608	WATERMAIN FITTINGS		300	LB	\$10.00	\$3,000.00							300	\$3,000.00
35	2521.518	6" CONCRETE WALK		1,650	SQ FT	\$13.50	\$22,275.00			1650	\$22,275.00				
36	2531.503	CONCRETE CURB AND GUTTER DESIGN B618		1,600	LIN FT	\$16.00	\$25,600.00	1600	\$25,600.00						
37	2531.504	8" CONCRETE DRIVEWAY PAVEMENT		240	SQ YD	\$80.00	\$19,200.00	240	\$19,200.00						

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38	2531.618	TRUNCATED DOMES		200	SQ FT	\$60.00	\$12,000.00			200	\$12,000.00				
39	2563.601	TRAFFIC CONTROL		1	LUMP SUM	\$20,000.00	\$20,000.00	0.68	\$13,600.00	0.13	\$2,600.00	0.12	\$2,400.00	0.07	\$1,400.00
40	2564.516	SIGN PANELS TYPE C		170	SQ FT	\$70.00	\$11,900.00			170	\$11,900.00				
41	2573.501	STABILIZED CONSTRUCTION EXIT		1	LUMP SUM	\$2,500.00	\$2,500.00	0.68	\$1,700.00	0.13	\$325.00	0.12	\$300.00	0.07	\$175.00
42	2573.502	STORM DRAIN INLET PROTECTION		2	EACH	\$200.00	\$400.00					2	\$400.00		
43	2573.502	CULVERT END CONTROLS		40	EACH	\$300.00	\$12,000.00					40	\$12,000.00		
44	2573.503	SILT FENCE, TYPE MS		2,000	LIN FT	\$2.00	\$4,000.00	1000	\$2,000.00	1000	\$2,000.00				
45	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER		500	LIN FT	\$2.50	\$1,250.00	250	\$625.00	250	\$625.00				
46	2574.505	FERTILIZER TYPE 3		525	POUND	\$1.50	\$787.50	263	\$393.75	263	\$393.75				
47	2574.507	COMMON TOPSOIL BORROW		1,210	CU YD	\$40.00	\$48,400.00	605	\$24,200.00	605	\$24,200.00				
48	2575.504	ROLLED EROSION PREVENTION CATEGORY 20		500	SQ YD	\$1.50	\$750.00	250	\$375.00	250	\$375.00				
49	2575.505	SEEDING		3	ACRE	\$500.00	\$1,500.00	2	\$750.00	2	\$750.00				
50	2575.508	SEED MIXTURE 25-121		280	POUND	\$5.00	\$1,400.00	140	\$700.00	140	\$700.00				
51	2575.508	HYDRAULIC BONDED FIBER MATRIX		22,875	POUND	\$1.50	\$34,312.50	11438	\$17,156.25	11438	\$17,156.25				
52	2582.503	4" SOLID LINE MULTI COMP		11,700	LIN FT	\$1.00	\$11,700.00	11700	\$11,700.00						
53	2582.503	24" SOLID LINE MULTI COMP		50	LIN FT	\$17.00	\$850.00	50	\$850.00						
54	2582.503	4" DOUBLE SOLID LINE MULTI COMP		5,850	LIN FT	\$2.00	\$11,700.00	5850	\$11,700.00						
55	2582.518	PAVEMENT MESSAGE MULTI COMP		100	SQ FT	\$20.00	\$2,000.00	100	\$2,000.00						

ESTIMATED CONSTRUCTION TOTAL:	<u>\$1,724,975.00</u>	<u>\$1,181,650.00</u>	<u>\$217,420.00</u>	<u>\$202,530.00</u>	<u>\$123,375.00</u>
10% CONSTRUCTION CONTINGENCY:	<u>\$172,497.50</u>	<u>\$118,165.00</u>	<u>\$21,742.00</u>	<u>\$20,253.00</u>	<u>\$12,337.50</u>
TOTAL ESTIMATED CONSTRUCTION COST:	<u>\$1,897,472.50</u>	<u>\$1,299,815.00</u>	<u>\$239,162.00</u>	<u>\$222,783.00</u>	<u>\$135,712.50</u>
TOTAL ESTIMATED WETLAND CREDIT COST:	<u>\$39,250.00</u>	(0.314 AC @ \$125,000/AC REPLACED AT 2:1 RATIO)			
TOTAL ESTIMATED PROPERTY ACQUISITION COST:	<u>\$48,425.00</u>	(19,370 SQ FT @ \$2.50/SQ FT)			
UTILITY POLE RELOCATION COST:	<u>\$140,000.00</u>	(14 POLES @ \$10,000/POLE)			
TOTAL ESTIMATED PROJECT COST	<u>\$2,125,147.50</u>				

- NOTES:**
- (1) INCLUDES TOPSOIL STRIPPING AND STOCKPILING
 - (2) STOCKPILE LOCATION: PUBLIC WORKS, 14199 JASPER STREET NW. CONTRACTOR SHALL USE ALL AVAILABLE STOCKPILE MATERIAL BEFORE IMPORTING AGGREGATE