



Real People. Real Solutions.

1243 Cedar Street NE
Sleepy Eye, MN 56085

Ph: (507) 794-5541
Fax: (507) 794-5542
Bolton-Menk.com

May 3, 2021

Buffalo Creek Watershed District
PO Box 55
Glencoe, MN 55336

RE: Amendment No. 1 to the Final Engineer's Report
Judicial Ditch No. 15 Branch S Improvement
Project No.: S15.116123

Dear Board of Managers:

The intent of this letter is to amend the Final Engineer's Report for the proposed Judicial Ditch No. 15 Branch S Improvement project in Renville County. Since the Original Final Engineer's Report was submitted to the Drainage Authority, there has been substantial increases in the price of tile. As a result, we are updating our Engineer's Estimate for construction, as well as our Separable Maintenance Estimate.

The accompanying information at the end of this amendment contain an updated improvement cost estimate, and separable maintenance cost estimate. The updated costs to improve the system is \$637,687 and the separable maintenance is \$519,072.

With the update in cost estimate the project is still practicable, feasible, and necessary. Additional copies of this amendment should be distributed to the Board Members for their review along with the Final Engineer's Report as submitted earlier. Please note no other sections were changed in amending the Report.

Sincerely,
Bolton & Menk, Inc.

Shaun P. Luker, P.E.

cc: DNR Director, MN DNR (electronic copy of amendment)
Gary Bennett, DNR Waters, Hutchinson (w 1 copy of amendment)
John Kolb, Rinke-Noonan (w 1 copy of amendment)
Marc Iverson, Renville County Auditor-Treasurer (w 1 copy of amendment)
Jim Weidemann, Viewer (w 1 copy of amendment)
Petitioners; Petersen, Matzdorf, Larson, Stamer, Kottke, Koebnick, Fransen (w 1 copy of report)

MAY 04 2021

PRELIMINARY PROJECT COST ESTIMATE
Renville Judicial Ditch # 15 Branch S Improvements
Final Engineer's Report - Amendment No. 1

FILENAME: H:\RNCOS\151161232_Preliminary\A_Calculations\116123_Separable Benefits.xlsx\FER-SEP BEN amend 1

DATE: 5/3/2021

ITEM NO.	ITEM	UNIT	UNIT PRICE	EST. QTY.	Total AMOUNT	JD 15 BR S8		JD 15 BR S9		JD 15 BR S10		JD 15 BR S11		JD 15 BR S12		JD 15 BR S14		
						EST. QTY.	AMOUNT	EST. QTY.	AMOUNT	EST. QTY.	AMOUNT	EST. QTY.	AMOUNT	EST. QTY.	AMOUNT	EST. QTY.	AMOUNT	
	BID ITEM																	
1	Mobilization	Lump Sum	\$25,000.00	1.00	\$25,000.00	0.59	\$14,750.00	0.02	\$500.00	0.05	\$1,250.00	0.30	\$7,500.00	0.03	\$750.00	0.01	\$250.00	
2	Clear & Grub Trees	Lump Sum	\$5,000.00	1	\$5,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
3	Remove & Replace Fence	Linear Foot	\$5.00	80	\$400.00	80	\$400.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
4	Aggregate Surfacing, Class 5	Ton	\$30.00	50	\$1,500.00	0	\$0.00		\$0.00		\$0.00	50	\$1,500.00		\$0.00		\$0.00	
5	Exploratory Excavation	Hours	\$210.00	28	\$5,880.00	12	\$2,520.00	1	\$210.00	3	\$630.00	9	\$1,890.00	2	\$420.00	1	\$210.00	
6	Drain Tile Connection	Each	\$500.00	16	\$8,000.00	8	\$4,000.00	1	\$500.00	1	\$500.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	
7	6" Intakes	Each	\$500.00	1	\$500.00	1	\$500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
8	8" Intakes	Each	\$550.00	5	\$2,750.00	0	\$0.00		\$0.00	1	\$550.00	2	\$1,100.00	2	\$1,100.00		\$0.00	
9	10" Intakes	Each	\$600.00	2	\$1,200.00	0	\$0.00		\$0.00		\$0.00	2	\$1,200.00		\$0.00		\$0.00	
10	12" Intakes	Each	\$650.00	11	\$7,150.00	5	\$3,250.00		\$0.00		\$0.00	6	\$3,900.00		\$0.00		\$0.00	
11	15" Intakes	Each	\$1,000.00	1	\$1,000.00	1	\$1,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
12	6" Drain Tile	Linear Foot	\$18.00	440	\$7,920.00	340	\$6,120.00	20	\$360.00	20	\$360.00	20	\$360.00	20	\$360.00	20	\$360.00	
13	8" Drain Tile	Linear Foot	\$20.00	3,310	\$66,200.00	150	\$3,000.00	430	\$8,600.00	1,440	\$28,800.00		\$0.00	920	\$18,400.00	370	\$7,400.00	
14	10" Drain Tile	Linear Foot	\$21.00	230	\$4,830.00	0	\$0.00		\$0.00		\$0.00	230	\$4,830.00		\$0.00		\$0.00	
15	12" Drain Tile	Linear Foot	\$22.00	1,730	\$38,060.00	375	\$8,250.00		\$0.00		\$0.00	1,355	\$29,810.00		\$0.00		\$0.00	
16	15" Drain Tile	Linear Foot	\$25.00	2,165	\$54,125.00	1,710	\$42,750.00		\$0.00		\$0.00	455	\$11,375.00		\$0.00		\$0.00	
17	18" Drain Tile	Linear Foot	\$28.00	2,420	\$67,760.00	0	\$0.00		\$0.00		\$0.00	2,420	\$67,760.00		\$0.00		\$0.00	
18	24" Drain Tile	Linear Foot	\$38.00	4,415	\$167,770.00	4,415	\$167,770.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
19	30" CS Pipe With Rodent Guard	Linear Foot	\$110.00	20	\$2,200.00	20	\$2,200.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
20	Inlet Protection	Each	\$100.00	20	\$2,000.00	7	\$700.00		\$0.00	1	\$100.00	10	\$1,000.00	2	\$200.00		\$0.00	
21	Riprap, Class 3	Cubic Yard	\$110.00	40	\$4,400.00	40	\$4,400.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
22	Rapid Stabilization, Method 4	Square Yard	\$3.00	1,300	\$3,900.00	1200	\$3,600.00		\$0.00		\$0.00	100	\$300.00		\$0.00		\$0.00	
23	Mulch, Type 1	Ton	\$100.00	51	\$5,100.00	26	\$2,600.00	1	\$100.00	5	\$500.00	16	\$1,600.00	2	\$200.00	1	\$100.00	
	Subtotal Construction				\$482,645.00		\$272,810.00		\$10,270.00		\$32,690.00		\$135,125.00		\$22,430.00		\$9,320.00	
	10% Construction Contingency				\$45,300.00		\$27,300.00		\$1,100.00		\$3,300.00		\$13,600.00		\$2,300.00		\$1,000.00	
	Temporary Crop Damages	Acre	\$600.00	25.57	\$15,342.00	12.67	\$7,602.00	0.56	\$336.00	2.68	\$1,608.00	7.91	\$4,746.00	1.25	\$750.00	0.50	\$300.00	
	Engineering, Legal, and Admin				\$94,400.00		\$57,000.00		\$2,200.00		\$7,000.00		\$28,400.00		\$4,800.00		\$2,000.00	
	TOTAL ESTIMATED IMPROVEMENT				\$637,687.00		\$364,712.00		\$13,906.00		\$44,598.00		\$181,871.00		\$30,280.00		\$12,620.00	

SEPARABLE BENEFITS

Renville Judicial Ditch # 15 Branch S Improvements

Final Engineer's Report - Amendment No. 1

FILENAME: H:\RNCOS\151161232_Preliminary\A_Calculations\116123_Separable Benefits.xlsx\FER-SEP BEN amend 1

DATE: 4/30/2021

ITEM NO.	ITEM	UNIT	UNIT PRICE	EST. QTY.	Total AMOUNT	JD 15 BR S8		JD 15 BR S9		JD 15 BR S10		JD 15 BR S11		JD 15 BR S12		JD 15 BR S14		
						EST. QTY.	AMOUNT	EST. QTY.	AMOUNT	EST. QTY.	AMOUNT	EST. QTY.	AMOUNT	EST. QTY.	AMOUNT	EST. QTY.	AMOUNT	
	BID ITEM																	
1	Mobilization	Lump Sum	\$25,000.00	1.00	\$16,000.00	0.59	\$14,750.00	0.02	\$500.00	0.05	\$1,250.00	0.30	\$7,500.00	0.03	\$750.00	0.01	\$250.00	
2	Clear & Grub Trees	Lump Sum	\$5.00	1	\$5.00	1	\$5.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
3	Remove & Replace Fence	Linear Foot	\$5.00	80	\$400.00	80	\$400.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
4	Aggregate Surfacing, Class 5	Ton	\$30.00	50	\$1,500.00	0	\$0.00		\$0.00		\$0.00	50	\$1,500.00		\$0.00		\$0.00	
5	Exploratory Excavation	Hours	\$210.00	28	\$5,880.00	12	\$2,520.00	1	\$210.00	3	\$630.00	9	\$1,890.00	2	\$420.00	1	\$210.00	
6	Drain Tile Connection	Each	\$500.00	16	\$8,000.00	8	\$4,000.00	1	\$500.00	1	\$500.00	2	\$1,000.00	2	\$1,000.00	2	\$1,000.00	
7	6" Intakes	Each	\$500.00	6	\$3,000.00	1	\$500.00		\$0.00		\$0.00	4	\$2,000.00	1	\$500.00		\$0.00	
8	8" Intakes	Each	\$550.00	6	\$3,300.00	0	\$0.00		\$0.00	1	\$550.00	4	\$2,200.00	1	\$550.00		\$0.00	
9	12" Intakes	Each	\$650.00	6	\$3,900.00	4	\$2,600.00		\$0.00		\$0.00	2	\$1,300.00		\$0.00		\$0.00	
10	15" Intakes	Each	\$1,000.00	1	\$1,000.00	1	\$1,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
11	6" Drain Tile	Linear Foot	\$18.00	3,965	\$71,370.00	340	\$6,120.00	20	\$360.00	1,480	\$26,640.00	1,585	\$28,530.00	520	\$9,360.00	20	\$360.00	
12	8" Drain Tile	Linear Foot	\$20.00	2,310	\$46,200.00	30	\$600.00	430	\$8,600.00		\$0.00	1,060	\$21,200.00	420	\$8,400.00	370	\$7,400.00	
13	10" Drain Tile	Linear Foot	\$21.00	1,920	\$40,320.00	1,920	\$40,320.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
14	12" Drain Tile	Linear Foot	\$22.00	1,260	\$27,720.00	170	\$3,740.00		\$0.00		\$0.00	1,090	\$23,980.00		\$0.00		\$0.00	
15	15" Drain Tile	Linear Foot	\$25.00	1,895	\$47,375.00	1,175	\$29,375.00		\$0.00		\$0.00	720	\$18,000.00		\$0.00		\$0.00	
16	18" Drain Tile	Linear Foot	\$28.00	3,245	\$90,860.00	3,245	\$90,860.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
17	24" CS Pipe With Rodent Guard	Linear Foot	\$100.00	20	\$2,000.00	20	\$2,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
18	Inlet Protection	Each	\$100.00	20	\$2,000.00	7	\$700.00		\$0.00	1	\$100.00	10	\$1,000.00	2	\$200.00		\$0.00	
19	Riprap, Class 3	Cubic Yard	\$110.00	40	\$4,400.00	40	\$4,400.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	
20	Rapid Stabilization, Method 4	Square Yard	\$3.00	1,300	\$3,900.00	1200	\$3,600.00		\$0.00		\$0.00	100	\$300.00		\$0.00		\$0.00	
21	Mulch, Type 1	Ton	\$100.00	51	\$5,100.00	26	\$2,600.00	1	\$100.00	5	\$500.00	16	\$1,600.00	2	\$200.00	1	\$100.00	
	Subtotal Construction				\$384,230.00		\$210,090.00		\$10,270.00		\$30,170.00		\$112,000.00		\$21,380.00		\$9,320.00	
	10% Construction Contingency				\$36,600.00		\$21,100.00		\$1,100.00		\$3,100.00		\$11,200.00		\$2,200.00		\$1,000.00	
	Temporary Crop Damages	Acre	\$600.00	25.57	\$15,342.00	12.67	\$7,602.00	0.56	\$336.00	2.68	\$1,608.00	7.91	\$4,746.00	1.25	\$750.00	0.50	\$300.00	
	Engineering, Legal, and Admin				\$82,900.00		\$47,800.00		\$2,400.00		\$7,000.00		\$25,600.00		\$4,900.00		\$2,200.00	
	TOTAL ESTIMATED IMPROVEMENT				\$519,072.00		\$286,592.00		\$14,106.00		\$41,878.00		\$153,546.00		\$29,230.00		\$12,820.00	