

### COUNTY DITCH NO. 3, JACKSON COUNTY, MN

Compilation of data from engineer's Amendment #3 report dated May 4, 2017.  
 Comparison of 3 options for allocating costs between improvement and separable maintenance as laid out by engineer.  
 Prepared by Bruce A. Krahrmer, attorney for Grace Kay, owner of property in Sec. 25, Alba Twp.  
 05/24/17

PROJEC T COST. Data same for all 3 options Actual cost for all 3 options	OPTION 1		OPTION 2		OPTION 3		OPTION 2 - 1		OPTION 3 - 1		
	From Table 1 on page 3. Charge repairs as if each tile repaired separately even though one large tile replaces several.	Charged to sep. maint. improve.	From Table 3 on page 5. Full cost of actual improvement with larger capacity charged to repairs as if each line repaired separately, but not exceeding actual cost of replacement.	Charged to sep. Net cost of maint. improve.	From Table 5 on page 7.Limits separable maintenance to not exceed the actual cost of replacing several tile with a single tile of the same capacity. Entire cost of increased capacity charged as improvement.	Charged to sep. maint. improve.	Option 2 minus 1. This is change from engineer's proposal if sep. maint. Is limited to <u>not going</u> negative.	Change in repair cost improve Cost.	Option 3 minus option 1. This is change in allocation of sep. maintenance is limited to ACTUAL cost if repaired to ORIG. capacity using method proposed in actual project.	Change in Repair cost improv. Cost	Change in Repair cost improv. Cost
Main open dit	545,112	301,708	243,404	301,708	243,404	0	0	0	0	0	0
Br1 open ditch	152,986	57,645	95,341	57,645	95,341	0	0	0	0	0	0
Br2 open ditc	197,138	171,077	26,061	171,077	26,061	0	0	0	0	0	0
Branch 1	857,546	745,860	111,686	745,860	111,686	0	0	0	-253,420	253,420	0
Branch 1A	172,748	111,189	61,559	111,189	61,559	0	0	0	0	0	0
Branch 1A1	22,703	19,811	2,892	19,811	2,892	0	0	0	0	0	0
Branch 1B	92,331	69,599	22,732	69,599	22,732	0	0	0	0	0	0
Branch 1B1	10,032	7,846	2,186	7,846	2,186	0	0	0	0	0	0
Branch 1C	43,006	34,492	8,514	34,492	8,514	0	0	0	0	0	0
Branch 1D	398,296	403,707	-5,411	398,296	0	-5,411	5,411	-5,411	-5,411	5,411	0
Branch 2	465,663	268,239	197,424	268,239	197,424	0	0	0	0	0	0
Branch 2B	80,722	46,064	34,658	46,064	34,658	0	0	0	0	0	0
Branch 2C	31,934	24,224	7,710	24,224	7,710	0	0	0	0	0	0
Branch 3	107,464	63,616	43,848	63,616	43,848	0	0	0	0	0	0
Branch 3A	14,831	7,068	7,763	7,068	7,763	0	0	0	3,583	-3,583	0
Branch 3B	26,562	22,521	4,041	22,521	4,041	0	0	0	399	-399	0
Branch 5	28,327	24,815	3,512	24,815	3,512	0	0	0	0	0	0
Branch 6	408,309	594,989	-186,680	408,309	0	-186,680	186,680	-269,070	-269,070	269,070	0
Branch 6A	22,873	16,737	6,136	16,737	6,136	0	0	0	0	0	0
Branch 6B	44,450	34,698	9,752	34,698	9,752	0	0	0	0	0	0
Branch 6C	232,220	285,399	-53,179	232,220	0	-53,179	53,179	-121,563	-121,563	121,563	0
Branch 6C1	60,351	103,439	-43,088	60,351	0	-43,088	43,088	-47,620	-47,620	47,620	0
Branch 7	128,497	37,488	91,009	37,487	91,010	0	0	0	2	-2	0
Branch 8	14,528	7,925	6,603	7,925	6,603	0	0	0	1,125	-1,125	0
Branch 9	133,791	90,297	43,494	90,297	43,494	0	0	0	0	0	0
Branch 9A	115,761	101,379	14,382	101,379	14,382	0	0	0	0	0	0
Branch 9A1	25,297	17,157	8,140	17,157	8,140	0	0	0	0	0	0
Branch 9B	61,198	90,297	-29,099	61,198	0	-29,099	29,099	-43,547	-43,547	43,547	0
Branch 9B1	78,289	76,649	1,620	76,649	1,620	0	0	0	0	0	0
Branch 9D	211,803	42,432	169,371	42,432	169,371	0	0	0	537	-537	0
Branch 10	35,323	31,501	3,822	31,501	3,822	0	0	0	0	0	0
Branch 11	46,074	37,566	8,508	37,566	8,508	0	0	0	0	0	0
Branch 12	239,007	388,239	-149,232	239,007	0	-149,232	149,232	-95,170	-95,170	95,170	0
Branch 13	60,865	87,875	-27,010	60,865	0	-27,010	27,010	-22,790	-22,790	22,790	0
Branch 15	469,002	352,956	116,046	352,956	116,046	0	0	0	266	-266	0
Branch 15A	35,295	8,483	26,812	8,483	26,812	0	0	0	-268	268	0
Branch 16	47,635	68,144	-20,509	47,635	0	-20,509	20,509	-19,321	-19,321	19,321	0
Branch 18	177,436	245,038	-67,602	177,436	0	-67,602	67,602	-80,084	-80,084	80,084	0
Branch 18A	37,020	8,416	28,604	8,416	28,604	0	0	0	0	0	0
Branch 18B	37,020	8,416	28,604	8,416	28,604	0	0	0	0	0	0
TOTAL	5,969,425	5,115,001	854,424	4,533,193	1,436,232	0	581,808	-581,808	-952,352	952,352	0

Total negative improve. cost **-581,810**

Difference Difference  
 Option 2- Improve. Option 3-1 Improve.  
 Repair cost Net cost Repair cost Net cost

Branches 3, 3A, 7, 8, 9D, 15, 15A (Green above) have improvement cost allocation go DOWN by 5,912 with Option 3 compared to Option 1. WHY?  
 Branches 12, 13, and 16 (red above in option 3 improvements) have repair costs exceeding actual cost, and negative improvements in OPTION 3. WHY? This totals 59,470.