## Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: B-5893 COUNTY: Mitchell DATE: 3/22/2023 COMPILED BY: HEC SHEET\_OF\_SHEETS

			EXCAVATION				EMBANKMENT					WASTE			
STATION	STATION	TOTAL	ROCK	UNDERCUT		SUITABLE	TOTAL	ROCK	EARTH	EMBANK.	BORROW	ROCK	SUITABLE	UNSUIT.	TOTAL
		UNCLASS.			UNCLASS.					+15%					
10+00.00 -L-	12+68.50 -L-	3,022	2,933			89	54	45		45		2,888	89		2,977
13+23.50 -L-	18+01.48 -L-	23,171	22,622			549	176	147		147		22,475	549		23,024
	SUBTOTAL	26,193	25,555			638	230	192		192		25,363	638		26,001
10+11.05 -Y-	10+56.57 -Y-	129				129	3		3	3			126		126
10+11.05 - 1 -	10+30.57 - 1-	129		-		129	3	-	3	3			120		120
		_		-											
		-								-					
	SUBTOTAL	129		†		129	3		3	3			126		126
	SUBTOTAL														
	OKIDO OR LY	-		<del> </del>											
	SUBTOTAL														
TOTAL		26,322	25,555			767	233	192	3	195		25,363	764		26,127
earth		20,322	23,333	1	_	707	233	3	-3	193		-3	3		20,127
Adjust for Rock Swell		_		-				- 3	-1	-1		-5	1		1
Eliminate earth shrinkage factor	r cince this material is now	_							-1	-1					
rock	i since this material is now									0			0		0
permanently wasted hard rock												5,072			5,072
Apply earth shrinkage to perma	mently wasted														
hard rock because it is uncompa	acted											4,565			4,565
PROJECT TOTAL		26,322	25,555			767	233	194		194		34,998	767		35,765
		-		1								l			
EST. 5% TO REPLACE TOP	SOIL ON BORROW PIT			-								-	-		
OR LAW MONEY			25,555	ļ											
GRAND TOTAL		1	25,555	1		767	233	194		194		34,998	767		35,765
SAY		26,400		+						-					
SAI		26,400		1			-			1		1	1		
		1	-	1			<b> </b>	-		_	<b></b>	1			
		-					-			1		-	1		

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGN UNIT. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

EST. SHALLOW UNDERCUT = 100 CY

CLASS IV SUBGRADE STABILIZATION: 200 TONS

PER GEOTECH RECOMMENDATION, ESTIMATED 450 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.

BALANCE EARTHWORK CHECK											
26,322	EMB + %:	194									
	TOTAL WASTE:	35,765									
26,322	TOTAL:	35,959									
	26,322	26,322 EMB + %: TOTAL WASTE:									

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