

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-4700CC

COUNTY: Caldwell

DATE: 8/15/2025

COMPILED BY: Joshua Roemer, PE

SHEET OF SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL
PHASE I															
-L- 530+89.00 RT	533+49.00 RT	248				248	325		325	374	126				
L Med 530+89.00	L Med 534+05.00	5				5	612		612	704	699				
L- 538+13.00 RT	545+50.00 RT	105				105	707		707	813	708				
Y36 13+00.00	19+80.97	1,288				1,288	466		466	536			752		752
Y36 20+58.97	29+00.00	1,760		1,000		1,760	1,807		1,807	2,078	318			1,000	1,000
Y37 13+75.00	15+97.25	693		1,900		693	461		461	530			163	1,900	2,063
L 555+32.00 LT	558+08.00 LT	3,161				3,161	84		84	97			3,064		3,064
	SUBTOTAL	7,260		2,900		7,260	4,462		4,462	5,131	1,850		3,979	2,900	6,879
Phase II															
-L- 529+39.25 LT	-L- 555+32.00 LT	4,352				4,352	3,590		3,590	4,129			224		224
L 558+08 LT	559+09.57 LT	256				256							256		256
L 529+39.25 RT	530+89.00 RT	324				324	106		106	122			202		202
L 533+49.00 RT	538+13.00 RT	68				68	114		114	131	63				
L 545+50.00 RT	559+09.57 RT	381				381	693		693	797	416				
L Med 529+39.25	530+89.00	40				40	32		32	37			3		3
L Med 534+05.00	559+09.57	45				45	2,539		2,539	2,920	2,875				
	SUBTOTAL	5,466				5,466	7,074		7,074	8,135	3,353		684		684
	SUBTOTAL														
	SUBTOTAL														
TOTAL		12,726		2,900		12,726	11,536		11,536	13,266	5,203		4,663	2,900	7,563
MATERIAL FOR SHOULDER CONSTRUCTION LOSS DUE TO CLEARING & GRUBBING		-1,050				-1,050					1,050				
ADDITIONAL UNDERCUT				900			900		900	1,035	1,035			900	900
ROCK WASTE TO REPLACE BORROW															
ADJUST FOR ROCK WASTE															
WASTE IN LIEU OF BORROW											-4,663		-4,663		-4,663
PROJECT TOTAL		11,676		3,800		11,676	12,436		12,436	14,301	2,625			3,800	3,800
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											131				
GRAND TOTAL		11,676		3,800		11,676	12,436		12,436	14,301	2,756			3,800	3,800
SAY		11,700		4,000							3,000				

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 560CY
CLASS IV SUBGRADE STABILIZATION 1120 CY

UNCLASSIFIED EXCAVATION ACCEPTABLE BUT NOT IN THE TOP THREE FEET OF EMBANKMENT
L STA. 550+25 TO 552+75 LT & RT 450 CY
L STA. 553+25 TO 554+25 RT 5 CY
Y36 STA. 24+25 TO 29+00 LT & RT 975 CY
Y37 STA. 13+75 TO 16+36 LT & RT 850 CY

SELECT GRANULAR MATERIAL 6400 CY
GEOTEXTILE FOR SOIL STABILIZATION 4705 SY

BALANCE EARTHWORK CHECK			
TOTAL UNCL. EXC:	11,676	EMB + %:	14,301
UNDERCUT EXC:	3,800	TOTAL WASTE:	3,800
BORROW EXC:	2,625		
TOTAL:	18,101	TOTAL:	18,101