

EARTHWORK SUMMARY

PROJECT U-5899

COUNTY Forsyth

Volumes in Cubic Yards

DATE 3-25-2025

COMPUTED BY: PJJ

SHEET 1 OF 1 SHEETS

RD10S01C

LINE	STATION	STATION	TOTAL EXCAV. (UNCL.)	ROCK EXCAV.	UNDERCUT	UNSUIT. EXCAV.	SUITABLE EXCAV.	TOTAL EMB.	ROCK EMB.	EARTH EMB.	EMBANK. +15%	BORROW	SUITABLE WASTE	UNSUIT. WASTE	TOTAL WASTE
-L-	19+00.00	31+71.00 (BEGIN BRIDGE)	882		1510	330	552	46237		46237	53173	52621		1840	1840
*-Y1-	10+20.75	16+50.00	68				68	14769		14769	16984	16916			
-Y2-	10+20.75	13+00.00	20				20	2338		2338	2689	2669			
		SUBTOTAL	970		1510	330	640	63344		63344	72846	72206		1840	1840
-L-	33+76.50 (END BRIDGE)	47+33.73	23729		2030	330	23399	26036		26036	29941	6542		2360	2360
-Y3-	10+75.00	15+94.15	5187				5187	38		38	44		5143		5143
-Y3A-	10+20.82	13+78.20	71				71	2005		2005	2306	2235			
*-Y4-	32+98.24	38+72.95	933			300	933	500		500	575		58	300	358
		SUBTOTAL	29920		2030	630	29590	28579		28579	32866	8777	5201	2660	7861
Y3 D1	10+15.00	11+00.00	36				36						36		36
Y3 D2	10+15.00	11+00.00	105				105						105		105
Y3 D3	10+15.00	11+40.00	337				337						337		337
Y3 D4	10+15.22	11+25.00	90				90	2		2	2		88		88
Y3A D1	10+13.95	11+28.11	16				16	26		26	30	14			
		SUBTOTAL	584				584	28		28	32	14	566		566
PROJECT SUBTOTAL			31,474		3,540	960	30,814	91,951		91,951	105,744	80,997	5,767	4,500	10,267
ADDITIONAL UNDERCUT					1490			1490		1490	1714	1714			
EST. SHOULDER MATERIAL								75		75	86	86			
WASTE IN LIEU OF BORROW												-5,767	-5,767		-5767
LOSS DUE TO CLEARING & GRUBBING			-1140				-1140					1140			
PROJECT TOTAL			30,334		5,030	960	-1,140	93,516		93,516	107,544	78,170		4,500	4,500
EST 5% TO REPLACE TOP SOIL ON BORROW PIT												3909			
GRAND TOTAL:			30,334		5,030	960	-1,140	93,516		93,516	107,544	82,079		4,500	4,500
SAY:			32,000									84,000			

Note: Earthwork quantities are calculated by the roadway designer. These quantities are based in part on subsurface data provided by the geotechnical engineer.

*Unclassified excavation - acceptable, but not to be used in top 3 FT of embankment or backfill. (-Y1- STA. 15+25 TO 16+50 AND -Y4- STA. 34+25 TO 38+73)

Est. DDE = 615 CY

BALANCE EARTHWORK CHECK			
TOTAL UNCL. EXC:	31,474	EMB + %:	105,744
UNDERCUT EXC:	3,540	TOTAL WASTE:	10,267
BORROW EXC:	80,997		
TOTAL:	116,011	TOTAL:	116,011