

# Earthwork Balance Sheet

PROJECT: U-2579AA

COUNTY: Forsyth

Volumes in Cubic Yards  
DATE: 7/19/2022

30% Rock Swell Factor  
COMPILED BY: JC Lansford

SHEET 1\_ OF 3\_ SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +20%		ROCK	SUITABLE	UNSUIT.	TOTAL
<b>PHASE 1 AREA 1</b>															
-L- 10+00.00	38+00.00	91,642				91,642	145,486		145,486	174,583	82,941				
-Y2FLYCA- 14+37.03	28+73.60 (Begin Bridge)	581				581	117,915		117,915	141,498	140,917				
2FLYCA - 33+46.60 (End Bridg	38+40.00 (Begin Bridge)						69,489		69,489	83,387	83,387				
-Y2FLYCA- 48+96.00	58+38.51	2,683				2,683	31,971		31,971	38,365	35,682				
-Y2RPB- 15+88.07	45+67.69	161,158				161,158	29,877		29,877	35,852			125,306	125,306	
	<b>SUBTOTAL</b>	256,064				256,064	394,738		394,738	473,685	342,927		125,306	125,306	
<b>PHASE 1 AREA 2</b>															
-Y1- 18+00.00	22+24.00(Begin Bridge)	79				79	10,135		10,135	12,162	12,083				
-Y1- 23+40.76 (End Bridge)	28+91.00 (Begin Bridge)	4				4	72,143		72,143	86,572	86,568				
-Y1Rev- 35+00 (End Bridge)	42+29.04 LB	122				122	24,288		24,288	29,146	29,024				
Y1 42+24.01 LA RT	46+00.00	83				83	26		26	32			51	51	
-Y1DRV1- 10+00.00	13+50.00	10				10	2,475		2,475	2,970	2,960				
	<b>SUBTOTAL</b>	298				298	109,067		109,067	130,881	130,634		51	51	
<b>PHASE 1 AREA 3</b>															
-Y2- NBL 10+44.79 RT	17+00.00	193				193	2,124		2,124	2,548	2,355				
2- NBL 21+92.06 RT (End Bridg	53+50.00	844				844	4,407		4,407	5,288	4,444				
-Y2- NBL 53+50.00 RT	83+16.06	14				14	13,634		13,634	16,360	16,346				
-Y2- NBL 83+16.00 RT	91+65.82	90				90	3,622		3,622	4,346	4,256				
-Y2- SBL 2+46.11 LT	20+92 (Begin Bridge)	592				592	5,401		5,401	6,481	5,889				
2- SBL 23+12.76 LT (End Bridg	25+00.00	62				62	718		718	861	799				
-Y2- SBL 26+50.00 LT	39+50.00	268				268	3,195		3,195	3,834	3,566				
-Y2- SBL 39+50 LT	46+50.00	728				728	205		205	246			482	482	
-Y2-SBL 46+50 LT	91+19.35	498				498	13,980		13,980	16,776	16,278				
-Y2RPC- 10+00.00 LT	16+89.00	133				133	228		228	273	140				
-L- 38+00.00 LT	44+00.00	259				259	38,722		38,722	46,466	46,207				
-L- 38+00.00 RT	42+00.00	630				630	17,145		17,145	20,574	19,944				
-L- 52+50.00 Med	91+10.00	1,525				1,525	11,294		11,294	13,552	12,027				
-Y2FLYAB- 20+50.00	20+74.03 (Begin Bridge)						611		611	733	733				
2FLYAB- 29+76.03(End Bridg	32+00.00	1,082				1,082	4,388		4,388	5,265	4,183				
-SBL DET1- 10+00.00	43+08.00	11,139				11,139	18,952		18,952	22,742	11,603				
-NBL DET1- 10+00.00	23+81.00	462				462	11,083		11,083	13,299	12,837				
-Y3RPB- 15+00.00	31+66.82	57,184		522	9,771	47,413	5,247		5,247	6,297			41,117	10,293	
-Y3LPB- 16+00.00	22+03.48	6,099		305	76	6,023	564		564	677			5,346	381	
-Y3RPC- 15+00.00	25+85.85	133				133	49,366		49,366	59,239	59,106				
-Y3LPC- 15+00.00	17+75.63	286				286	5,709		5,709	6,850	6,564				
-Y4- 10+11.88	22+00.00	1,393				1,393	11,135		11,135	13,362	11,969				
	<b>SUBTOTAL</b>	83,614		827	9,847	73,767	221,730		221,730	266,069	239,246		46,945	10,674	
	<b>SHEET TOTAL</b>	339,976		827	9,847	330,129	725,535		725,535	870,635	712,807		172,301	10,674	

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

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SHEET 2 OF 3 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +20%		ROCK	SUITABLE	UNSUIT.	TOTAL
<b>PHASE 2 AREA 2</b>															
-Y1- 13+00.00	18+00.00	676				676	614		614	737	61				
Y1 41+25.00 LT	46+00.00	489				489	66		66	79			410	410	
	<b>SUBTOTAL</b>	1,165				1,165	680		680	816	61		410	410	
<b>PHASE 2 AREA 3</b>															
-Y2- SBL 2+46.11 RT	21+39.75 (Begin Bridge)	1,379				1,379	12,771		12,771	15,325	13,946				
SBL- 23+38.12 RT (End Brid	28+00.00	1,688				1,688	2,184		2,184	2,621	933				
-Y2SBL- 32+50.00 RT	54+00.00	16,075				16,075	624		624	749			15,326	15,326	
-Y2SBL- 72+00.00 RT	91+19.35	1,920				1,920	26,791		26,791	32,149	30,229				
-Y2SBL- 25+00.00 LT	26+50.00	31				31	360		360	432	401				
-Y2RPC- 16+89.00	25+16.00	2,877				2,877	1,037		1,037	1,244			1,633	1,633	
-Y2RPC- 10+00.00 RT	16+89.00	847				847	81		81	97			750	750	
-L- 52+00.00 RT	87+25.00	13,259				13,259	13,497		13,497	16,196	2,937				
-Y2NBL- 10+44.73 LT	19+79.00 (Begin Bridge)	2,067				2,067	1,955		1,955	2,346	279				
NBL- 21+84 (END BRIDGE)	54+50.00	18,787				18,787	5,564		5,564	6,677			12,110	12,110	
-Y2NBL- 63+50.00 LT	91+65.82	2,267				2,267	5,330		5,330	6,396	4,129				
-Y2NBL-16+50.00 RT	20+27.88 (Begin Bridge)	199				199	1,287		1,287	1,544	1,345				
-Y2FLYAB- 16+26.44	20+50.00	1,530				1,530	5,215		5,215	6,258	4,728				
-L- 52+00.00 LT	91+10.00	9,050				9,050	23,188		23,188	27,826	18,776				
-Y3LPB- 12+57.08	14+00.00	3,811			326	3,485							3,485	326 3,811	
-Y3RPC- 13+97.98	15+00.00	4				4	1,898		1,898	2,278	2,274				
-Y3RPB- 13+91.14	15+00.00	21				21	1,902		1,902	2,282	2,261				
-Y2A- 10+00	17+32.16	94				94	3,255		3,255	3,906	3,812				
	<b>SUBTOTAL</b>	75,906			326	75,580	106,939		106,939	128,327	86,050		33,304	326 33,630	
<b>PHASE 3 AREA 3</b>															
-Y2SBL- 28+00.00 RT	32+50.00	927				927	618		618	742			185	185	
-Y3LPB- 14+00.00	16+00.00	3,495		195	3,042	453	260		260	312			141	3,237 3,378	
-Y3LPC- 12+43.96	15+00.00	4,552	1,387			3,165	29	22	29	22		1,365	3,165	4,530	
-NBLDET2- 10+00.00	32+10.00	1,672				1,672	7,585		7,585	9,102	7,430				
-Y2NBL- 54+50.00 LT	63+50.00	991				991	421		421	505			486	486	
-Y2SBL- 54+00.00 RT	72+00.00	2,824				2,824	3,900		3,900	4,680	1,856				
-Y2FLYAB- 32+00.00	37+31.77	3,715				3,715	1,363		1,363	1,636			2,079	2,079	
-L- 44+00.00 LT	52+00.00	8,304				8,304	5,839		5,839	7,007			1,296	1,296	
-L- 42+00.00 RT	52+00.00	15,442				15,442	3,712		3,712	4,454			10,988	10,988	
	<b>SUBTOTAL</b>	41,922	1,387	195	3,042	37,493	23,727	22	23,698	28,459	9,286	1,365	18,341	3,237 22,943	
	<b>SHEET 2 TOTAL</b>	118,993	1,387	195	3,368	114,238	131,346	22	131,317	157,602	95,397	1,365	52,055	3,563 56,983	

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