Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: HB-0004 COUNTY: Haywood DATE: 4/11/2024 COMPILED BY: JCH

CHAIN	STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
			TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL
-L- LT	234+06	254+00.00	1,269				1,269	17,237		17,237	19,823	18,554				
-L- LT	255+50.00	277+00.00	24,606				24,606	17,077		17,077	19,639			4,967		4,967
-Y1RPA-	10+00.00	18+45.77	8,824				8,824	3,543		3,543	4,074			4,750		4,750
-Y1RPB-	10+00.00	19+00.00	10,445				10,445	65		65	75			10,370		10,370
		SUBTOTAL	45,144				45,144	37,922		37,922	43,611	18,554		20,087		20,087
-L- RT	234+19.50	254+00.00	1,388				1,388	2,683		2,683	3,085	1,697				
-L- RT	255+50.00	277+00.00	5,533				5,533	170		170	196			5,337		5,337
-Y1RPC-	10+00.00	16+57.18	2,285				2,285	79		79	91			2,194		2,194
-Y1RPD-	10+00.00	16+00.00	1,612				1,612	126		126	145			1,467		1,467
		SUBTOTAL	10,818				10,818	3,058		3,058	3,517	1,697		8,998		8,998
-Y1-	15+50.00	18+60.00	724				724	256		256	294			430		430
		SUBTOTAL	724				724	256		256	294			430		430
		TOTAL	56,686				56,686	41,236		41,236	47,422	20,251		29,515		29,515
		LOSS DUE TO CLEARING & GRUBBING	-100				-100							-100		-100
		WASTE IN LIEU OF BORROW										-20,251		-20,251		-20,251
		PROJECT TOTAL	56,586				56,586	41,236		41,236	47,422			9,164		9,164
		EST. 5% TO REPLACE TOP SOIL ON BORROW PIT														
		GRAND TOTAL	56,586											9,164		
		SAY	60,000													

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.

Pavement Structure Volume (CY)= 23,892

EST. DDE = 800 CUBIC YARDS
SHOULDER BORROW = 3,500 CY
EST. SHALLOW UNDERCUT = 200 CUBIC YARDS
EST.SHALLOW UNDERCUT BY STATIONS = 0 CUBIC YARDS
TOTAL SHALLOW UNDERCUT = 200 CUBIC YARDS
CLASS IV SUBGRADE STABILIZATION = 400 TONS
PER GEOTECH RECOMMENDATION, ESTIMATED 900 CUBIC YARDS OF UNDERCUT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.