Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: BR-0168 COUNTY: Forsyth DATE: 6/6/2024 COMPILED BY: TN SHEET__ OF __ SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +20%		ROCK	SUITABLE	UNSUIT.	TOTAL
STAGE 1															
SUMMARY 1															
L (LT) STA 11+50.00	L (LT) STA 20+50.00	713				713	4,070		4,070	4,884	4,171				
RPC,LPC,LPCA (LT)		155				155	1,632		1,632	1,958	1,803				
SUMMARY 1 TOTAL		868				868	5,702		5,702	6,842	5,974				
SUMMARY 2															
L (LT) STA 22+50.00	L (LT) STA 30+50.00	289				289	3,658		3,658	4,390	4,101				
RAMP B (LT) STA 13+00.00	RAMP B (LT) STA 15+00.00	165				165	92		92	110			55		55
LOOP B (LT) STA 13+00.00	LOOP B (LT) STA 14+50.00	53				53	142		142	170	117				
SUMMARY 2 TOTAL		507				507	3,892		3,892	4,670	4,218		54		55
	SUBTOTAL	1,375				1,375	9,594		9,594	11,512	10,192		54		55
STAGE 2															
SUMMARY 3															
L (RT) STA 11+50.00	L (RT) STA 20+50.00	478				478	4,192		4,192	5,030	4,552				
SUMMARY 3 TOTAL		478				478	4,192		4,192	5,030	4,552				
SUMMARY 4															
L (RT) STA 22+00.00	L (RT) STA 30+50.00	692				692	2,049		2,049	2,459	1,767				
RAMP A 13+00.00	RAMP A 15+50.00	244				244	121		121	145			99		99
SUMMARY 4 TOTAL		936				936	2,170		2,170	2,604	1,766		99		99
	SUBTOTAL	1,414				1,414	6,362		6,362	7,634	6,318		99		99
	SUBTOTAL														
	SUBTOTAL														
TOTAL		2,789				2,789	15,956		15,956	19,146	16,510		153		153
MATERIAL FOR SHOULDER CONSTRUCTION							110		110	132	132				
LOSS DUE TO CLEARING & GRUBBING		-900				-900					900				
ADDITIONAL UNDERCUT															
ROCK WASTE TO REPLACE BORROW															
ADJUST FOR ROCK WASTE															
WASTE IN LIEU OF BORROW											-153		-153		-153
PROJECT TOTAL		1,889				1,889	16,066		16,066	19,278	17,389				
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											869				
GRAND TOTAL		1,889				1,889	16,066		16,066	19,278	18,258				
SAY		2,000									18,300				

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. DDE = 60 CUBIC YARDS
TOTAL SHALLOW UNDERCUT = 100 CUBIC YARDS
CLASS IV SUBGRADE STABILIZATION = 200 TON
PER GEOTECH RECOMMENDATION, ESTIMATED 450 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.