Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: B-5981 COUNTY: Duplin DATE: 3/14/2023 COMPILED BY: RJD SHEET_1 OF 1 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT					WASTE			
		TOTAL	ROCK	UNDERCUT	UNSUIT.	SUITABLE	TOTAL	ROCK	EARTH	EMBANK.	BORROW	ROCK	SUITABLE	UNSUIT.	TOTAL
		UNCLASS.			UNCLASS.	UNCLASS.				+25%					
L 12+00.00	22+26.39 (BEG BRIDGE)	165		925		165	24,331		24,331	30,414	30,249			925	925
L 25+00.89 (END BRIDGE)	33+55.00	77			38	39	8,624		8,624	10,780	10,741			38	38
Y1 10+00.00	14+25.00	78				78	622		622	778	700				
SR1 10+75.00	20+66.54	908		2,067		908	1,377		1,377	1,721	813			2,067	2,067
SR1 20+66.54	24+60.00	47				47	536		536	670	623				
	SUBTOTAL	1,275		2,992	38	1,237	35,490		35,490	44,363	43,126			3,030	3,030
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TOTAL		1,275		2,992	38	1,237	35,490		35,490	44,363	43,126			3,030	3,030
MATERIAL FOR SHOULDE	R CONSTRUCTION	1,210		_,>>2	20	2,207	22,170		22,120	,505	.5,120			2,320	2,330
LOSS DUE TO CLEARING &		-500				-500					500				
ADDITIONAL UNDERCUT				700			700		700	875	875			700	700
WASTE IN LIEU OF BORRO															
PROJECT TOTAL		775		3,692	38	737	36,190		36,190	45,238	44,501			3,730	3,730
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EST. 5% TO REPLACE TOP	SOIL ON BORROW PIT										2,225				
	GRAND TOTAL	775		3,692	38	737	36,190		36,190	45,238	46,726			3,730	3,730
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	SAY	800		3,700							46,800				

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 = 550 CY

EST. SHALLOW UNDERCUT = 200 CY

EST. SHALLOW UNDERCUT BY STATIONS = 340 CY

EST. TOTAL SHALLOW UNDERCUT = 540 CY

EST. CLASS IV SUBGRADE STABILIZATION = 2,365 TONS

PER GEOTECH RECOMMENDATION, ESTIMATED 700 CY OF UNDERCUT TO BE USED IN THE DISCRETION OF THE RESIDENT ENGINEER.