

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: B-5527

COUNTY: Surry

DATE: 1/2/2024

COMPILED BY:

JH

SHEET 1 OF 1 SHEETS

STATION	STATION	DESCRIPTION OF WORK	EXCAVATION					EMBANKMENT				BORROW	WASTE			
			TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL
PHASE I CONSTRUCTION ACTIVITIES																
15+11.44	22+13.41 (BEGIN BRIDGE)	CONSTRUCT SB DETOUR	195				195	2,094		2,094	2,408	2,213				
24+13.39 (END BRIDGE)	25+00.00	CONSTRUCT SB DETOUR						4,570		4,570	5,255	5,255				
25+00.00	36+82.84	CONSTRUCT SB DETOUR	1,827		650		1,827	8,075		8,075	9,286	7,459		650	650	
PHASE I SUBTOTALS			2,022		650		2,022	14,739		14,739	16,949	14,927		650	650	
PHASE II CONSTRUCTION ACTIVITIES																
19+57.39	22+58.82 (BEGIN BRIDGE)	CONSTRUCT US 52 SBL	451				451	645		645	741	290				
24+84.00 (END BRIDGE)	32+18.00	CONSTRUCT US 52 SBL	738				738	1,067		1,067	1,227	489				
PHASE II SUBTOTALS			1,189				1,189	1,712		1,712	1,968	779				
PHASE III CONSTRUCTION ACTIVITIES																
13+21.00	22+13.41 (BEGIN BRIDGE)	FINAL GRADE US SBL, REMOVE SB DETOUR, & CONSTRUCT NB DETOUR	885				885	444		444	510			374	374	
24+13.39 (END BRIDGE)	29+55.00	FINAL GRADE US SBL, REMOVE SB DETOUR, & CONSTRUCT NB DETOUR	3,481				3,481	571		571	656			2,824	2,824	
29+50.00	33+00.00	REMOVE SB DETOUR	432				432	848		848	975	543				
WASTE FROM THIS PHASE OF WORK IN LIEU OF BORROW												-543		-543	-543	
PHASE III SUBTOTALS			4,798				4,798	1,863		1,863	2,141			2,655	2,655	
PHASE IV CONSTRUCTION ACTIVITIES																
19+24.00	22+03.00 (BEGIN BRIDGE)	CONSTRUCT US 52 NBL	422				422	3,845		3,845	4,421	3,999				
24+33.00 (END BRIDGE)	26+45.00	CONSTRUCT US 52 NBL						3,137		3,137	3,607	3,607				
STOCKPILED WASTE IN LIEU OF BORROW												-2,655		-2,655	-2,655	
PHASE IV SUBTOTALS			422				422	6,982		6,982	8,028	4,951		-2,655	-2,655	
PHASE V CONSTRUCTION ACTIVITIES																
14+37.00	19+24.00	REMOVE NB DETOUR & FINAL GRADE US 52 NBL	2,107				2,107	522		522	600			1,507	1,507	
24+13.39 (END BRIDGE)	29+55.00	REMOVE NB DETOUR & FINAL GRADE US 52 NBL	6,590				6,590	343		343	394			6,196	6,196	
16+50.00	22+00.00	GRADE MEDIAN DITCH	2,485				2,485							2,485	2,485	
PHASE V SUBTOTALS			11,182				11,182	865		865	994			10,187	10,187	
TOTAL			19,613		650		19,613	26,161		26,161	30,080	20,657		10,187	650	10,837
AL UNDERCUT					850			850		850	977	977			850	850
FOR SHOULDER CONSTRUCTION								860		860	989	989				
TO CLEARING & GRUBBING			-1,100				-1,100					1,100				
LIEU OF BORROW												-3,066		-3,066	-3,066	
PROJECT TOTAL			18,513		1,500		18,513	27,871		27,871	32,046	20,657		7,121	1,500	8,621
REPLACE TOP SOIL ON BORROW PIT												1,033				
GRAND TOTAL			18,513		1,500		18,513	27,871		27,871	32,046	21,689		7,121	1,500	8,621
SAY			18,600		1,500							21,700				8,700

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.