

Earthwork Balance Sheet

Volumes in Cubic Yards

PROJECT: U-6187 COUNTY: Davie DATE: 8/7/2025 COMPILED BY: JGT SHEET 1 OF 1 SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE			
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL
L 72+00.00	73+04.01	1,771			177	1,594	908		908	1,044			550	177	727
LPB 10+00.00	22+00.00	58,022			5,802	52,220	14		14	17			52,203	5,802	58,005
RPB 10+00.00	31+00.00	99,286		1,640	9,929	89,357	2,552		2,552	2,935			86,422	11,569	97,991
Y2 19+93.85 LT	50+00.00 LT	9,015			902	8,113	2,487		2,487	2,860			5,253	902	6,155
Y2 50+00.00 LT	54+50.00 LT	1,113			112	1,001	132		132	151			850	112	962
	SUBTOTAL	169,207		1,640	16,922	152,285	6,093		6,093	7,007			145,278	18,562	163,840
L 30+36.81	70+00.00	68,729		2,880	12,903	55,826	159,000		159,000	182,850	127,024			15,783	15,783
RPC 10+00.00	24+50.00	586			59	527	39,898		39,898	45,883	45,356			59	59
RPD 10+00.00	24+00.00	4,725		2,090	473	4,252	58,537		58,537	67,318	63,066			2,563	2,563
Y1 10+31.26 LT	35+50.00 LT	2,738			274	2,464	2,152		2,152	2,475	11			274	274
Y2 23+30.17 RT	50+00.00 RT	509			51	458	1,505		1,505	1,731	1,273			51	51
Y2 50+00.00 RT	65+50.00 RT	425			42	383	430		430	495	112			42	42
	SUBTOTAL	77,712		4,970	13,802	63,910	261,522		261,522	300,752	236,842			18,772	18,772
L 12+24.00 LT	20+00.00 LT	1,941			194	1,747	27,764		27,764	31,929	30,182			194	194
L 12+24.00 RT	20+00.00 RT	24			2	22	9,927		9,927	11,416	11,394			2	2
L 20+00.00	30+00.00	54			5	49	6,685		6,685	7,688	7,639			5	5
Y1 10+31.26 RT	35+50.00 RT	801			80	721	2,779		2,779	3,196	2,475			80	80
Y3 10+10.00	11+00.00	2			1	1	164		164	188	187			1	1
Y4 10+12.00	15+50.00	25			2	23	6,172		6,172	7,098	7,075			2	2
Y4 20+50.00	22+50.00	126			13	113	295		295	339	226			13	13
DRW1 10+12.00	11+00.00	7			1	6	403		403	463	457			1	1
	SUBTOTAL	2,980			298	2,682	54,189		54,189	62,317	59,635			298	298
TOTAL		249,899		6,610	31,022	218,877	321,804		321,804	370,076	296,477		145,278	37,632	182,910
MATERIAL FOR SHOULDER CONSTRUCTION							9,000		9,000	10,350	10,350				
LOSS DUE TO CLEARING & GRUBBING		-32,500				-32,500					32,500				
ADDITIONAL UNDERCUT (CONTINGENCY)				2,000										2,000	2,000
WASTE IN LIEU OF BORROW											-145,278		-145,278		-145,278
PROJECT TOTAL		217,399		8,610	31,022	186,377	330,804		330,804	380,426	194,049			39,632	39,632
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											9,702				
GRAND TOTAL		217,399		8,610	31,022	186,377	330,804		330,804	380,426	203,751			39,632	39,632
SAY		228,500		9,000							214,000				

NOTE: QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL USE METHODS INCLUDING BUT NOT LIMITED TO RECROSS-SECTIONING, TRUCK MEASUREMENTS, AND AERIAL SURVEYS TO COMPUTE FINAL QUANTITIES WHICH THE CONTRACTOR WILL BE PAID.

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGNER. THESE QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEER.

NOTE: EMBANKMENT QUANTITIES DOES NOT INCLUDE BACKFILL FOR UNDERCUT.

EST. DDE = **18,950 CY**

EST. **10%** OF THE UNCLASSIFIED EXCAVATION AS ADDITIONAL UNSUITABLE WASTE PER GEOTECH RECOMMENDATION

EST. **8,220 CY** OF SELECT GRANULAR MATERIAL TO REPLACE UNDERCUT PER GEOTECH RECOMMENDATION

UNCLASSIFIED EXCAVATION NOT SUITABLE FOR THE TOP 3 FT OF EMBANKMENT OR BACKFILL PER GEOTECH RECOMMENDATION:

-Y1- 10+31.26 to 15+25.00 (530 CY), -Y1- 16+25.00 to 23+25.00 (1,320 CY), -Y2- 19+93.85 to 25+25.00 (1,720 CY), -Y2- 45+25.00 to 50+75.00 (7,010 CY), -Y2- 61+75.00 to 62+25.00 (20 CY)

EST. **40%** OF THE UNCLASSIFIED EXCAVATION AS CONTINGENCY NOT SUITABLE FOR THE TOP 3 FT OF EMBANKMENT OR BACKFILL PER GEOTECH RECOMMENDATION