12/06/07

COMPUTED BY: RHT DATE: 12/2/2025
CHECKED BY: AJM DATE: 12/4/2025

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B–5995	3B–1

SUMMARY OF EARTHWORK (IN CUBIC YARDS)

STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
–L– STA 15+00.00	–L– STA 17+14.63 (BRIDGE)	109	202	93	
–L– STA 20+67.38 (BRIDGE)	–L– STA 24+50.00	21	281	260	
TOTALS:		130	483	353	
MATERIAL FOR SHOULDER CONSTRUCTION			143	143	
WASTE IN LIEU OF BORROW					
PROJECT TOTALS:		130	626	496	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				25	
GRAND TOTALS:		130	626	521	
SAY:		150		550	

PER GEOTECH RECOMMENDATION, ESTIMATED 250 CUBIC YARDS OF UNDERCUT TO BE USED IN THE DISCRETION OF THE ENGINEER.

PER GEOTECH RECOMMENDATION, ESTIMATED 250 CUBIC YARDS OF SELECT GRANULAR MATERIAL TO BE USED IN THE DISCRETION OF THE ENGINEER.

Note: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading."

Earthwork quantities are calculated by the Roadway Designer. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
–L–	16+00.00	17+21.06	CL	295.65
–L–	20+71.22	21+50.00	CL	182.61
			TOTAL:	478.25
			SAY:	500

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH (FT)
–L– (LT)	16+66.01	17+03.75	37.74
–L– (LT)	20+78.25	21+03.57	25.32
		TOTAL:	63.06′
		SAY:	70′

2'–6" CURB AND GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH (FT)
–L– (RT)	16+66.01	17+03.75	37.74
–L– (RT)	20+78.25	21+03.42	25.17
		TOTAL:	62.91′
		SAY:	70′

GUARDRAIL SUMMARY

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.
G = GATING IMPACT ATTENUATOR TL–3
NG = NON–GATING IMPACT ATTENUATOR TL–3

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350			SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	TYPE III	GREU TL–3	M–350	XIII	CAT–1	VI MOD	BIC	AT–1	EA	G	NG				
–L–	16+15.67	17+14.63 (BRIDGE)	LT	98.96′				17+14.63 (BRIDGE)	4′	8.5′		50′		1.0′		1	1												
–L–	16+16.50	17+14.63 (BRIDGE)	RT	98.13′			17+14.63 (BRIDGE)		10.5′	13.5′	50′		1.0′			1	1												8.5′ TOTAL SHOULDER WITH ROCK PLATING
–L–	20+67.38 (BRIDGE)	21+54.33	LT	86.95′			20+67.38 (BRIDGE)		4′	8.5′	50′		1.0′			1	1												
–L–	20+67.38 (BRIDGE)	21+52.39	RT	85.01′				20+67.38 (BRIDGE)	10.5′	13.5′		50′		1.0′		1	1												8.5′ TOTAL SHOULDER WITH ROCK PLATING
		SUBTOTAL:		369.05′												4	4												
		GREU TL–3: 4@50′		–200′																									
		TYPE III:4@18.75′		–75′																									
		TOTAL:		94.05												4	4												
		SAY:		100′												4	4												
		5 ADDITIONAL POSTS																											