COMPUTED BY: SGM DATE: 7/5/2023 CHECKED BY: JLT DATE: 11/30/23

#### PROJECT NO. SHEET NO. B-5845 3B-1

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

## SUMMARY OF EARTHWORK

IN CURIC VARDS

Station	Station Station		Uncl. Undercut Excav.		Borrow	Waste	
-L- 12+50.00	-L- 21+41.00	4,142		6,107	1,965		
Grade Poir	nt Undercut		75	86	86	75	
-DR- 10+12.00	-DR- 12+30.00	3		2,105	2,102		
BRIDGE							
-L- 23+71.00	-L- 32+00.00	7,044		5,114		1,930	
	*SEE NOTE						
TOT	ALS:	11,189	75	13,412	4,153	2,005	
Material for Shoulder	Construction			840	840		
Loss due to Clearing 8	& Grubbing	-200			200		
Additional Undercut(	Contingency)		400	460	460	400	
Waste in Lieu of Borro	ow				-1,930	-1,930	
PROJEEC	T TOTALS:	10,989	475	14,712	3,723	475	
Est. 5% to replace Top	Soil on Borrow Pits				183		
GRAND	TOTALS:	10,989	475	14,712	3,906	475	
SA	AY:	11,300	475		3,950	- <del></del>	

\*UNCLASSIFIED EXCAVATION - ACCEPTABLE, BUT NOT TO BE USED IN THE TOP 3 FT OF EMBANKMENT OR BACKFILL = 110

EST. DDE = 3,490 CUBIC YARDS

Approximate quantities only. Unclassified excavation, borrow excavation, fine grading, clearing and grubbing, and removal of existing pavement will be paid for at the lump sum price for "Grading".

Note: Earthwork quantities are calculated by TGS Engineers.

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

### PAVEMENT REMOVAL SUMMARY

IN SOUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	14+12	21+56	LT	1626.22			
-L-	23+82	31+63	LT	1178.99			
			TOTAL	2,805.21			-
			SAY	2,810			

#### SHOULDER BERM GUTTER

IN FEE

SURVEY LINE	LOCATION LT/RT/CL	Station	Station	LENGTH
-L-	LT	21+02	21+22	20
			TOTAL	20
			SAY	20

"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

CUBIC YARDS ( -L- STA 26+75 TO 28+75,RT)

EST. SHALLOW UNDERCUT = 100 CUBIC YARDS SELECT GRANULAR MATERIAL = 475 CUBIC YARDS

# GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR TYPE 350 NG = NON-GATING IMPACT ATTENUATOR TYPE 350

														IN LII	NEAR FEET							
SURVEY LINE BEG. STA.	. STA. END STA.	LOCATION		LENGTH (LF)		STH (LF) WARRANT POINT		"N" DIST.	TOTAL SHOUL	TAL FLARE LENGTH		w	w		ANCHORS (EA)		TERMINAL SECTION (EA)	IMPA ATTENUATOR		REMOVE EXISTING REMARKS	REMARKS	
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM E.O.L.	WIDTH	APPROACH END	TRAILING END	APPROACH END	TRAILING END	TL-3	III AT-1			G	NG	GUARDRAIL	
-L-	12+50.00	20+50.00	RT	800.00					8'	11'		50'		1	1						748.2	
-L-	17+11+/-	21+60+/-	LT																		431.2	
-L-	20+08.06	21+45.56	LT	137.50				21+45.56	5'	8'		50'		1	1	1					119.7	
-DR'/'-L-	10+55 -DR-	21+36.70	RT	18.75	50		21+36.70		5'	8'						1 1						
-L-	23+66.44	26+03.94	RT	237.50			23+66.44		8'	11'	50'		1'		1	1						
-L-	23+75.56	27+50.56	LT	375.00				23+75.56	8'	11'		50'		1'	1	1					282.2	
-L-	23+85+	24+70+/-	LT																		82.4	
	SUE	B-TOTAL		1568.75	50.00										4	4 1					1,663.7	
	LESS	ANCHOR DEDUCTION	NS																			
	TYPE TL-3	4 @ 50.00 FT		200																		
	TYPE III	4 @ 18.75 FT		75																		
	TYPE AT-1	1 @ 6.25			6.25																	
	ANCHO	OR TOTALS		275	6.25																	
	GRAN	ID TOTALS		1293.75	43.75										4	4 1					1663.70	
		SAY		1,300	50																1,700	

ADDITIONAL GUARDRAIL POST: 5 EA

	TEMPORARY GUARDRAIL SUMMARY	
-L- 24+88+/- 25+37+ LT 50.00		TEMPORARY ANHOR UNIT, TIE TO EXISTING GUARDRAIL
SUB-TOTAL 50.00		
LESS ANCHOR DEDUCTIONS		
TYPE TEMP. TL-3 1 @ 50.00 FT 50		
ANCHOR TOTALS 0		
GRAND TOTALS		