

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA



STV Engineers, Inc.
300 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

PROJECT REFERENCE NO. <i>B-5810</i>	SHEET NO. <i>3B-1</i>
RW SHEET NO.	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

EARTHWORK SUMMARY (IN CUBIC YARDS)

CHAIN	FROM STATION	TO STATION	SIDE	UNCL. EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-XL-	13+04.93	16+70.60	LT & RT	203		331	128	
-XL-	29+54.69	31+95.29	LT & RT	89		172	83	
-L-	16+60.00	20+57.00	LT & RT	184		978	794	
-L-	25+77.00	28+25.00	LT & RT	191		193	2	
-XL REMOVE-	13+04.93	16+70.60	LT & RT	358		156		202
-XL REMOVE-	29+54.69	31+95.29	LT & RT	186		48		138
TOTAL				1,211		1,877	1,006	340
MATERIAL FOR SHOULDER CONSTRUCTION						336	336	
WASTE IN LIEU OF BORROW							-340	-340
PROJECT TOTAL				1,211		2,213	1,002	
ESTIMATE 5% FOR TOPSOIL ON BORROW PITS							50	
GRAND TOTAL				1,211		2,213	1,052	
SAY				1,250			1,100	

CONTINGENCY UNDERCUT: 450 CY
CONTINGENCY SELECT GRANULAR MATERIAL: 400 CY

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."

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
-XL-	11+48.58	18+17.62	CL	703
-XL-	28+48.63	32+55.90	CL	477
-XL-	13+40.71	30+15.49	LT	280
			TOTAL:	1,460
			SAY:	1,500

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

GUARDRAIL SUMMARY

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	RELAPPING EXISTING GUARDRAIL	REMARKS						
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	XI MOD	B-77	GREU TL-3	GREU TL-2	TYPE III	CAT-1	VI MOD	BIC	AT-1	EA	G	NG											
-L-	18+03.25	20+48.00	LT	245.125'			20+45.00		5.0' - 17.2'	8.0' - 20.2'	207.25'		11.2'			1	1																		
-L-	18+02.88	20+48.00	RT	245.125'			20+45.00		8.0' - 9.0'	11.0' - 12.0'	50.0'		1.0'			1	1																		
-L-	25+86.00	26+96.37	LT	110.375'				25+86.00	5.0' - 6.0'	8.0' - 9.0'		50.0'		1.0'		1	1																		
-L-	25+86.00	26+40.12	RT	54.125'				25+86.00	8.0'	11.0'		0.0'		0.0'		1																			
-XL-	19+51.56	20+55.52	RT																													225.00'			
-XL-	25+87.63	27+16.34	RT																													262.50'			
TOTAL:				654.75'													4	3															487.50'		
TOTAL ANCHOR LENGTH:				247.75'																															
TOTAL GUARDRAIL LENGTH:				407.00'																															
SAY:				412.50'																															
10 ADDITIONAL GUARDRAIL POSTS																																			

2/25/2022
F:\Roadway\proj\shnt\B5810_r_dy_psh03B-1.dgn
MoorEdS