DATE: <u>03/23/21</u> CHECKED BY: GSP DATE: <u>03/23/21</u>

SUMMARY OF EARTHWORK

		UNCLASSIFIED	EMBANKMENT	BORROW	WASTE	
		EXCAVATION	+%			
STATION	STATION	(CY)	(CY)	(CY)	(CY)	
-L1- STA. 15+70.00	-L1- STA. 22+08.50 (BEGIN BRIDGE)	233	840	607		
SUBTOTAL		233	840	607		
-L1- STA. 25+03.50 (END BRIDGE)	-L1- STA. 26+59.36	67	140	73		
SUBTOTAL		67	140	73		
PROJECT SUBTOTALS		300	980	680		
ESTIMATE 5% TO REPLACE TOP SOIL (ON BORROW PIT			34		
GRAND TOTALS		300	980	714		
SAY		350	<u> </u>	750		

UNDERCUT EXCAVATION = 200 CY PER GEOTECH RECS
SELECT GRANULAR MATERIAL = 200 CY PER GEOTECH RECS

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

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

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

ASPHALT PAVEMENT REMOVAL SUMMARY

	TEMOVIE SCHEME												
SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	ΥD ²									
-L1-	21 + 59	22 + 14	CL	154.54									
-L1-	24 + 98	25 + 54	CL	181.70									
			TOTAL:	336.24									
		_	SAY:	340									

PROJECT REFERENCE NO. SHEET NO. B-5985A 3B-I

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

1223 Jones Franklin Rd. Raleigh, N.C. 27606 License No. F–0377 Bus: 919 851 8077

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN CNIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

"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.

GUARDRAII. SUMMARY

SURVEY LINE BEG. STA	DEC CTA	5) 15 .07 .	LOCATION	LENGTH		WARRANT POINT		"N" DIST.	TOTAL	FLARE LENGTH		w	w		ANCHORS							IMPACT ATTENUATOR SINGLE TYPE 350 FACED	REMOVE	REMOVE AND		
	BEG. STA.	END STA.		STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	T FROM SHOU	SHOUL. WIDTH	APPROACH END	TRAILING END	APPROACH END	TRAILING END	TYPE III SHOP CURVED	TYPE III	GREU TL-2	M-350	С	CAT-1 VI MOD		AT-1	TYPE 350 FACED GUARDRAIL EA G NG	EXISTING GUARDRAIL	AND STOCKPILE EXISTING GUARDRAIL	REMARKS
																			GUARDRAIL	L ANCHOR DEI	DUCTIONS					
																			TYPE III =	2 @ 18.75′	= 37.50′					
-L1-	20+58.50	22+08.50	RT.	150.00′			22+08.50		7.5′	10.5' (BERM)	25′			0.5′		1	1									
L1 25 + 03.50	25+03.50	26+09.75	LT.	106.25′				25+03.50	7.5′	14' (BERM)		25′		0.5′		1	1		GREU TL-2	= 2 @ 25'	= 50.00′					
		PROJECT SUBTOTAL 256.25'											2	2	-	TOTAL STRAIC	GHT DEDUCTIO	NS = 87.	50′							
		LESS ANCHO	DR DEDUCTIONS	(–)87.50′																						
		PERMANEN	PERMANENT GR PROJECT TOTAL 168.75' ADDIT			ONAL GUARDRAIL POS	TS = 5 EACH																			
			PERMANENT GR SAY	175.00′																						
				_																						