COMPUTED BY: VML	DATE: 19 MAR 2020
CHECKED BY: DBE	DATE: 19 MAR 2020

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B-5825	3B-1

SUMMARY OF EARTHWORK
IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
-L- 14+00.00 TO -L- 29+31.67	9757		13194	3437	
BRIDGE					
-L- 39+98.33 TO -L- 54+00.00	5013		14713	9700	
-Y1- 10+25.00 TO -Y1- 11+75.97	15		874	859	
-Y2- 12+00.00 TO -Y2- 21+46.68	3062		12128	9066	
-DRW2- 10+09.34 TO -DRW2- 12+85.31	221		167		54
-DRW1- 10+07.86 TO -DRW1- 11+58.04	295		33		262
SUBTOTAL	18363		41109	23062	316
MATERIAL FOR SHOULDER CONSTRUCTION			1134	1134	
LOSS DUE TO CLEARING & GRUBBING	-1175			1175	
WASTE IN LIEU OF BORROW				-316	-316
PROJECT TOTAL	17188		42243	25055	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				1253	
GRAND TOTAL	17188		42243	26308	
SAY	18050			27630	

DDE = 4190 CY

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

PAVEMENT REMOVAL SUMMARY
IN SQUARE YARDS

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SY
-L-	14+00	29+19	RT	2680
-L-	14+00	15+59	LT	2
-L-	40+03	54+00	RT	3464
-L-	46+99	50+23	RT/LT	60
-L-	52+64	53+99	LT	7
-Y1-	10+25	11+98	RT/LT	485
-Y2-	12+55	21+68	RT	1523
-DRW2-	10+10	10+59	LT/RT	126
			TOTAL:	8347
			SAY:	8350

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LOCATION	LENGTH (LF)
-L-	17+73.21	21+36.32	LT	363.1
-L-	26+71.59	29+08.17	RT	236.6
-L-	27+84.42	29+08.17	LT	123.8
-L-	40+22.83	42+58.97	LT	236.1
-L-	40+22.83	40+96.71	RT	73.9
-L-	44+88.78	47+31.02	LT	242.2
-Y2-	17+66.35	19+94.78	RT	228.4
			TOTAL:	1504.1
			SAY:	1505

"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 STRAIGHT	LENGTH SHOP CURVED	LENGTH DOUBLE FACED	WARRANT POINT APPROACH END	WARRANT POINT TRAILING END	"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH APPROACH END	FLARE LENGTH TRAILING END	W APPROACH END	W TRAILING END	ANCHORS TYPE GREU, TL-3	ANCHORS CAT-1	ANCHORS AT-1	ANCHORS TYPE III	ANCHORS B-77	ANCHORS TYPE GREU, TL-2	ANCHORS	ANCHORS	ANCHORS	IMPACT ATTENUATOR TYPE 350 EA	IMPACT ATTENUATOR TYPE 350 G	IMPACT ATTENUATOR TYPE 350 NG	SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
-L-	17+23.13	21+86.23	LT	462.50'			21+50.00	18+50.00	8'	11'	50'	50'	1'	1'	2															
-L-	17+75.09	21+74.54	RT	400.00'			19+00.00	20+50.00	8'	11'	50'	50'	1'	1'	2															
-L-	26+21.51	29+32.17	RT	310.375'			26+32.17	29+32.17	VAR. 4'-8'	VAR. 7'-11'	50'		1'		1				1											
-Y1- /-L-	-Y1- 10+88.19	-L- 29+32.17	LT	185.375'	56.25'		-L- 29+32.17	-Y1- 10+88.19	VAR. 6'-10'	VAR. 9'-13'		25'		0.5'					1	1										RADIUS = 30'
-L-	39+98.83	43+08.91	LT	310.375'			42+98.83	39+98.83	VAR. 4-8'	VAR. 7'-11'	50'		1'		1				1											
-L-	39+98.83	41+46.76	RT	147.875'			39+98.83	41+35.83	VAR. 4-5.5'	VAR. 7'-8.5'		50'		1'	1				1											
-Y2- /-L-	-Y2- 18+52.90	-L- 47+80.96	LT	612.50'	50.00'		-L- 46+50.00	-Y2- 19+50.00	8'	11'	50'	50'	1'	1'	2															RADIUS = 42'
-Y2-	17+15.95	20+45.55	RT	325.00'			18+50.00	20+00.00	8'	11'	50'	50'	1'	1'	2															
		SUBTOTAL (LF)		2754.00'	106.25'							TOTAL ANCHORS OR ATTENUATORS (EA)			11				4	1										
		LESS ANCHORS (LF)		666.50'																										
		TOTAL GUARDRAIL (LF)		2087.50'	106.25'							ANCHOR UNIT LENGTH (LF)			50'	6.25'	6.25'	18.75'	22.875'	25'										
		SAY GUARDRAIL (LF)		2087.50'	112.50'		ADDITIONAL GUARDRAIL POSTS: SAY 10 EA					DEDUCTION PER TYPE (LF)			550'				91.5'	25'										
												TOTAL DEDUCTION (LF)			666.50'															

12/06/07

4/8/2020
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