COMPUTED BY: M. GYANT DATE: 01/25/2022
CHECKED BY: A. CONRAD DATE: 01/25/2022

PROJECT REFERENCE NO.	SHEET NO.
B-5644	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

"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	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GREU TL-3	III	AT-1							EA	G	NG				
-L-	12+06.43	15+06.43	RT	300.00			15+06.43		9.25	12.25	50.00		1.00		1	1														
-L-	13+93.47	15+30.97	LT	137.50				15+30.97	9.25	12.25		50.00		1.00	1	1														
-L-	15+79.03	18+00.69	RT	196.66	56.25			15+79.03	9.25	12.25		50.00		1.00		1	1													
-L-	16+03.57	19+03.57	LT	300.00			16+03.57		9.25	12.25	50.00		1.00		1	1														
			SUBTOTALS	934.16	56.25										3	4	1													
			TYPE III, 4@18.75'	-75.00																										
			GREU TL-3, 3@50.00'	-150.00																										
			AT-1, 1@6.25'		-6.25																									
			PROJECT TOTALS	709.16	50.00										3	4	1													
			SAY	712.5	50.00										3	4	1													
ADDITIONAL GUARDRAIL POSTS = 10 EA																														

SUMMARY OF EARTHWORK (CY)

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
-L- 11+00.00 - 15+18.70 (Beg. Bridge)	123		906	783	
-L- 15+91.30 (End Bridge) - 20+00.00	116		548	432	
SUBTOTAL	239		1,453	1,215	
-Y2- 11+75.00 - 35+61.90	150		590	440	
-Y5- 12+40.00 - 14+50.00	21		21		
SUBTOTAL	171		611	440	
-L2- 12+40.64 - 12+90.00	3				3
-Y1- 11+65.01 - 12+91.00	21				21
-Y1- 23+31.00 - 24+12.11	21				21
-Y4- 12+31.78 - 13+35.00	16				16
SUBTOTAL	61				61
TOTAL	471		2,064	1,655	61
WASTE IN LIEU OF BORROW				-61	-61
PROJECT TOTAL	471		2,064	1,594	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				79	
GRAND TOTAL	471		2,064	1,673	
SAY	500			1,700	

UNDERCUT (CONTINGENCY) = 300 CY
SELECT GRANULAR MATERIAL, CLASS III (CONTINGENCY) = 300 CY

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

SUMMARY OF ASPHALT PAVEMENT REMOVAL (SY)

LINE	STATION - STATION	LOCATION	REMOVAL (SY)
-L-	STA. 13+24.24 TO STA. 15+36.34	CL	524
-L-	STA. 15+65.56 TO STA. 16+91.30	CL	305
GRAND TOTAL			829
SAY			830

SUMMARY OF SHOULDER BERM GUTTER (LF)

LINE	STATION	STATION	LENGTH (LF)
-L- LT	16+16+/-	18+50+/-	234
-L- RT	15+93+/-	17+75+/-	182
		TOTAL	416
		SAY	420

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."

6/21/00

-SYSTIME
-SYSTIME
-INTERFACE
-INTERFACE
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