DocuSign Envelope ID: AD49546D-5BFE-4687-A3DE-BCD05980B178

COMPUTED BY:	E. Stewart	DATE:	9/27/2017
CHECKED BY:	S. Browde	DATE:	5/3/2018

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
B-5606	3B-1

GUARDRAIL SUMMARY

"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

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 CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	TYPE III	XI	GREU TL-3	M-350	XIII	CAT-1	VI MOD	BIC	AT-1	G	NG				
-L-	15+28.22	16+09.47	LT	81.25				16+09.47	5	8	50'		1'		1		1												
-L-	15+47.28	16+28.53	RT	81.25			16+28.53		5	8		50'		1'	1		1												
-L-	17+69.47	18+50.72	LT	81.25				17+69.47	4'	7'	50'		1'		1		1												
-L-	17+88.53	18+69.78	RT	81.25			17+88.53		4'	7'		50'		1'	1		1												
GUARDRAIL TOTALS:				**325.00**											**4**		**4**												
		ANCHOR DEDUCTIONS:																											
		TYPE III: 4 @ 18.75' EA		75.00																									
		GREU TL-3: 4 @ 50' EA		200.00																									
		CAT-1: @ 6.25' EA		0.00																									
		ANCHOR TOTALS:		**275.00**																									
		GUARDRAIL GRAND TOTALS:		**50.00**											4		4												
			SAY:	**62.5**																									
		ADDITIONAL GUARDRAIL POSTS = 5																											

ASPHALT PAVEMENT REMOVAL SUMMARY

LINE	STATION	STATION	LOCATION	AREA	SQ. YDS.
-L-	14+00.00	15+10.00	CL	2,542.74	282.53
-L-	16+05.00	16+24.00	CL	405.67	45.07
-L-	17+74.00	17+93.00	CL	442.55	49.17
-L-	19+75.00	20+75.00	CL	2,389.79	265.53
				TOTAL	642.31
				SAY	**650**

EARTHWORK SUMMARY

LINE	STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
-L-	14+00.00	16+19.00	69	182	113	
-L-	17+79.00	20+75.00	135	187	52	
PROJECT TOTALS:			204	369	165	0
Waste in Lieu of Borrow					0	0
PROJECT TOTALS:			204	369	165	0
5% to Replace Top Soil on Borrow Pit					8	0
GRAND TOTALS:			204		173	0
SAY:			**220**		**190**	

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

SHOULDER BERM GUTTER SUMMARY

LINE	STATION	STATION	LOCATION	LENGTH
-L-	15+74.50	16+14.00	RT	39.50
-L-	15+60.50	15+96.00	LT	35.50
			TOTAL	75.00
			SAY	**80**