COMPUTED BY:	DWK	DATE: 03-07-16
<b>CHECKED BY: VBB</b>	DATE:	: 03-14-16

PROJECT NO. SHEET NO. B-5313 3B-1

G = GATING IMPACT ATTENUATOR TYPE 350

## STATE OF NORTH CAROLINA **DIVISION OF HIGHWAYS**

## SUMMARY OF EARTHWORK

In Cubic Yards

					1	7
Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste	
-	L-					
12+50.00	14+76.75	60	123	63	0	
16+14.23	20+50.00	38	404	366	0	
						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.
						the contract famp sum price for grading.
PROJECT S	SUBTOTALS:	98	527	429	0	
EST. FOR REPL. TO	OPSOIL ON BOR. PIT			22		
						Note: Earthwork quantities are calculated by the Roadway Design Unit. These
PROJEC	T TOTALS:	98	527	451	0	earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.
GRAND	TOTALS:	98	527	451	0	
S	AY:	105		475		

DDE = 10 CY

SELECT GRANULAR MATERIAL (CONTINGENCY) = 1100 CY

SHALLOW UNDERCUT (CONTINGENCY) = 500 CY

GEOTEXTILE FOR SOIL STABILIZATION (CONTINGENCY) = 2600 SY

CLASS IV SUBGRADE STABILIZATION (CONTINGENCY) = 950 TONS

UNDERCUT EXCAVATION (CONTINGENCY) = 1100 CY

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL

GUARDRAIL SUMMARY TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	13+20.00	14+99.38	CL	404.41			
-L-	15+90.96	17+80.00	CL	428.60			
		TOTAL (SF):		833.01			
		SAY:		875			

PAVEMENT REMOVAL SUMMARY

**IN SQUARE YARDS** 

## SHOULDER BERM GUTTER SUMMARY

LINE	Station	Station	LENGTH
-L- LT	13+80.00	14+65.88	85.88
-L- LT	16+25.10	16+80.00	54.90
		TOTAL:	140.78
		SAY:	145

SURVEY	BEG. STA.	END STA.	LOCATION		LENGTH		WARRANT POINT		"N" DIST.	TOTAL SHOUL	FLARE L		w		ANCHORS							ATT	MPACT ENUATOR YPE 350	SINGLE FACED	REMOVE EXISTING	REMOVE & STOCKPILE	REMARKS
LINE				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM E.O.L.	WIDTH A			TRAILING END	APPROACH END	TRAILING END	XI MOD		RAU 350 M-350	TYPE II	I CAT-1	MOD	BIC	G	NG	CONCRETE BARRIER	GUARDRAIL	EXISTING GUARDRAIL
-L-	13+20.50	14+76.75	LT	156.25				14+76.75	5.83	9		50		1			1	1		1							
-L-	13+95.50	14+76.75	RT	81.25			14+76.75		3	9	50		1				1	1									
-L-	16+14.61	17+45.86	LT	131.25			16+14.61		5.83	9	112.5		1				1	1									
-L-	16+13.85	16+95.10	RT	81.25				16+13.85	3	9		50		1			1	1									
JBTOTALS:				450									ANCHOR SU	JBTOTALS:			4	4									
	LESS ANCHOR DE	DUCTIONS:																		1							
	GRAU-350 TL-3	4 @ 50'		200																							
	TYPE III	4 @ 18.75'		75																							
	ANCHOR TOTALS	<u> </u> 		275																							
	GUARDRAIL TOTA			175																							
	SAY:			187.5																							