COMPUTED BY:	_SS	DATE: <u>9/30/2015</u>	
CHECKED BY:		DATE:	

PROJECT NO. SHEET NO. 3B-1

STATE OF NORTH CAROLINA **DIVISION OF HIGHWAYS**

*SUMMARY OF EARTHWORK

IN CUBIC YARDS

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste	
SUMMARY #1						7
-L-BEG						
11+30.00	15+48.88	346	3054	2708	0	
	(BRIDGE)					
TOTAL SUMMARY #1		346	3054	2708	0	
SUMMARY #2						
-L- END						
16+46.13	20+50.00	58	2071	2013	0	
(BRIDGE)						
TOTAL SUMMARY #2		58	2071	2013	0	<u>-</u>
						*Note: Approximate quantities only. Unclassified Excavation, Fine
PROJECT TO	TALS:	404	5125	4721	0	Grading, Clearing and Grubbing, Breaking and Removal of Asphalt Pavement will be paid for at the contract lump sum price for grading.
ESTIMATED 5% TO						
SOIL ON BORR	OW PIT			236		Note: Earthwork quantities are calculated by the Roadway Design Un
GRAND TOTALS:		404		4957		These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.
SAY:		500	Ī	5300		3,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

EST. DDE = 277 CY

EST. UNDERCUT = 300 CY

SELECT GRANULAR MATERIAL(CONTINGENCY) =300 CY GEOTEXTILE FOR SOIL STABILIZATION(CONTINGENCY) =300 SY

PAVEMENT REMOVAL SUMMARY IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL
-L-	11+30.00	12+50.00	CL	270
-L-	15+37.88	15+57.71	CL	45
-L-	16+29.25	16+57.13	CL	60
-L-	18+50.00	20+50.00	CL	470
		TOTAL:		845
		SAY:		850

SUMMARY OF BREAKING EXISTING ASPHALT

I		1		
SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT BREAKUP
-L-	12+50.00	15+57.71	CL	645
-L-	16+57.13	18+50.00	CL	445
		_		
		TOTAL:		1090
		SAY:		1100

SHOULDER BERM GUTTER SUMMARY

LINE	Station	Station	LENGTH
-L-	16+57.13	16+92.00	34.87
		TOTAL:	34.87
		SAY:	35

SURVEY LINE	Station	Station	LOCATION LT/RT/CL						
-L-	12+50.00	15+57.71	CL	645					
-L-	16+57.13	18+50.00	CL	445					
		TOTAL:		1090					
		0.477							
		SAY:		1100					

"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

GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR TYPE 350 NG = NON-GATING IMPACT ATTENUATOR TYPE 350

W = TOTAL WIDT	OF FLARE FROM BEGINNING	OF TAPER TO END OF GUARDR	AIL												. 011		CIVALVALI									HON GATING INIT ACT ATTENDATION TO EXCEPT E 600
CHDVEY				LENGTH		WARR	RANT POINT	"N" DIST.	TOTAL		LENGTH		w				ANCHO	RS			IMPACT ATTENUATOR TYPE 350	SINGLE FACED	REMOVE	REMOVE & STOCKPILE		
SURVEY LINE	BEG. STA.	END STA.	LOCATION	STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM E.O.L.	SHOUL	APPROAC H END	TRAILING END	APPROAC H END	TRAILING X MC	(I OD	XI GRAU 350	M-350	III	CAT-1	VI MOD	BIC	G NG	CONCRETE BARRIER	EXISTING GUARDRAIL	EXISTING GUARDRAIL	REMARKS
	13+48.88	15+48.88(BRIDGE)	RT	200			14+25		3'-11"	7	50		1			1		1								
	16+46.13(BRIDGE)	18+46.13	RT	200				17+75	3'-11"	7		50		1		1		1								
	16+46.13(BRIDGE)	17+71.13	LT	125			17+00		3'-11"	7	50		1			1		1								
	13+48.88	15+48.88(BRIDGE)	LT	200				14+25	3'-11"	7		50		1		1		1								
SUBTOTAL				725												4		4								
LESS ANCHOR	DEDUCTIONS																									
GRAU-350 4@	60			-200																						
TYPE III 4@18.				-75																						
TOTAL				450	0																					
SAY				462.5	5		5 ADDITIONAL GU	UARDRAIL POSTS																		