COMPUTED BY: IY
 DATE:
 3/16/2015

 CHECKED BY: KDA
 DATE
 3/23/2015

PROJECT NO.	SHEET NO.				
B-5105	3B-1				

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

	CUBIC YARI			
Station to Station	Uncl. Exc. C.Y.	Embank. +% C.Y.	Borrow C.Y.	Waste C.Y.
SUMMARY NO. 1				
-L- 12+00.00 TO 19+18.00	316	5,897	5,581	
-L- 20+98.00 TO 25+25.00	330	1,630	1,300	
-Y- 11+25.00 TO 11+75.00	17	14		3
-EY1- 11+00.00 TO 11+25.00	4	5	1	
SUMMARY NO. 1 TOTALS	667	7,546	6,882	3
PROJECT TOTAL	667	7,546	6,882	3
ENDBENT EMBANKMENT		446	446	
EST. SHOULDER MATERIAL		47	47	
Loss due to Clearing & Grubbing	-100		100	
WASTE IN LIEU OF BORROW			-3	-3
Est 5% To Replace Topsoil at Borrow Pit			374	
GRAND TOTALS	567		7,845	
SAY	750		8,000	

ESTIMATED UNDERCUT = 1,000 CY

ESTIMATED SELECT GRANULAR MATERIAL = 250 CY

ESTIMATED SHALLOW UNDERCUT = 300 CY CLASS IV SUBGRADE STABILIZATION = 570 TONS

ESTIMATED DRAINAGE DITCH EXCAVATION = 185 CY

APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE LUMP SUM PRICE FOR "GRADING".

Note: Earthwork quantities are calculated by the Roadway Design Unit These earthwork quantities are based in part on subsurface data Provided by the Geotechnical Engineering Unit.

SUMMARY OF ASPHALT PAVEMIENT REMOVAL

LINE	Station to Station	LOC LT/RT/CL	Asphalt Removal SQ. YDS.
-L-	18+25.00 TO 19+29.70	\mathbf{CL}	326.34
-L-	20+86.53 TO 22+75.00	\mathbf{CL}	737.58
	PROJE	CT TOTAL	1,063.92
		SAY	1,070

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

LINE				LENGTH (FT.))	WARRA	WARRANT POINT		TOTAL	FLARE	FLARE LENGTH W		V	ANCHORS					IMP. ATTEN. RE		I. REMOVE	
	BEG. STA.	END STA.	LOC.	STRAIGHT		DOUBLE FACED	APPR. END			SHLDR.	APPR.	. TRAIL.	APPR. 7	TRAIL.	L. GRAU	TYPE				TY	PE 350	EXIST.	REMARKS
					CURVED							END			350	III				EA	G N	IG GUARDRAIL	
-L-	18+43.00	19+18.00	LT.	75.00'				19+18.00	10'	14'		56.25'		1.125'	1	1						228'	FILL WARRANT
-L-	20+98.00	22+48.00	LT.	150.00'			20+98.00		10'	14'	131.25'		2.625'		1	1						102'	SHORTENED DUE TO DRIVE
-L-	17+43.00	19+18.00	RT.	175.00'			19+18.00		10'	14'	156.25'		3.125'		1	1				+		188'	
-L-	20+86.50	21+34.34	RT.	21000			23 . 2000				100,120		01220			_						51'	
																				+			
		SUB-TOTALS		400.00'											3	3						569'	SUB-TOTALS
EDUCTION	L IS FOR ANCHOR U	NITS																		+ +			
		(3 GRAU @ 50')		-150.00'																			
		(3 TYPE III @ 18.75')		-56.25'																			
		PROJECT TOTAL		193.75'																-			
		I KOJECI IOIAL		193./3																+			
		SAY		200.00'																			
DDITIONA	CHARDRAH DOG	TO FEACH																					
JUITIONA.	L GUARDRAIL POS	15 = 5 EACH																		1			