BR-C	BR-0093							
	3B-1							

COMPUTED BY:	KDA	DATE: 2/2 /2024
CHECKED BY:	KM	DATE: 2/8/2024

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

Station to Station	Uncl. Exc. (C.Y.)	Embank. +% (C.Y.)	Borrow (C.Y.)	Waste (C.Y.)
SUMMARY NO. 1				
-L- STA. 12+50.00 TO 16+40.52 (BB)	5,608	547		5,061
-L- STA. 19+30.52 (EB) TO 22+50.00	193	296	103	
-DWY1- STA. 10+50.00 TO 11+20.00	1	6	5	
-DWY2- STA. 11+25.00 TO 11+75.00	18	2		16
SUMMARY NO. 1 TOTALS	5,820	851	108	5,077
PROJECT SUB TOTALS	5,820	851	108	5,077
WASTE IN LIEU OF BORROW			-108	-108
	-			-
GRAND TOTALS	,	851		4,969
SAY	5,850			
FCTIMATED DDF - 25 CV				

ESTIMATED DDE = 35 CY
ESTIMATED SHOULDER BORROW = 160 CY
ESTIMATED SHALLOW UNDERCUT CONT. = 100 CY
ESTIMATED CLASS IV SUBGRADE STABILIZATION CONT. = 200 CY
ESTIMATED UNDERCUT CONT. = 450 CY

SUIMMARY OF ASPHALT PAVEMENT REMOVAL

Station to Station	LOC LT/RT/ CL	Square Yards
-L- STA. 16+00.00 TO STA. 16+50.86	CL	135.29
-L- STA. 19+21.42 TO STA. 19+90.00	CL	182.87
PROJECT	TOTAL	318.16
	SAY	320

SUMMARY OF SHOUILDER BERM GUITTER

Station to Station	LOC LT/RT/CL	Length (FT)
-L- STA. 19+40 TO 20+27	LT	87.00
-L- STA. 19+49 TO 20+27	RT	78.00
DD O		165.00
PRU	JECT TOTAL	165.00
	SAY	170

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.

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

GUARDRAIL SUMMARY

"N" = DISTANCE FROM EDGE OF TRAVEL LANE TO FACE OF GUARDRAIL
TOTAL SHOULDER WIDTH = DITANCE 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

				L	ENGTH (FT.	.)	WARRAI	NT POINT	"N" DIST.	TOTAL	FLARE	LENGTH	W	1			ANG	CHORS				IMP. AT	TEN.	REMOVE	
SURVEY	BEGIN	END	LOC.	STRAIGHT	SHOP	DOUBLE	APPR.	TRAIL.	FROM	SHLDR	APPR.	TRAIL.	APPR.	TRAIL.	GREU	GREU	TYPE	TYPE	TYPE C	CAT-1		TYPE	350	EXISTING	REMARKS
LINE	STATION	STATION			CURVED		END	END	E.O.L.	WIDTH	END		END		TL-3		III	B-77	B-83		Ī	EA G	NG	GUARDRAIL	
-L-	14+25.59	16+35.96	LT	210.37'				15+60.00	6.0'	9.0'		50.00'		1.00'	1			1						77'	FILL WARRANT
-L-	19+25.96	20+73.83	LT	147.87'			19+50.00		6.0'	9.0'	50.00'		1.00'		1			1						114'	FILL WARRANT (GR SHORTENED DUE TO DRIVEWAY)
-L-	13+59.71	16+45.08	RT	285.37'			15+90.00		6.0'	9.0'	50.00'		1.00'		1			1						77'	FILL WARRANT
-L-	19+35.08	20+95.45	RT	160.37'				19+60.00	6.0'	9.0'		50.00'		1.00'	1			1						102'	FILL WARRANT
		SUB-	-TOTAL	804.00'											4			4						370'	SUB-TOTAL
	DEDUCTION FOI	R ANCHOR UNITS																							
		GREU TL-3 @ 50'	4	-200.00'																					
		GREU TL-2 @ 25'																							
		TYPE-III @ 18.75'																							
		TYPE B-77 @ 22.875'	4	-91.50'																					
		TYPE B-83 @ 25.00'																							
		CAT-1 @ 6.25'																							
		PROJECT	TOTAL	512.50'											4			4						370'	PROJECT TOTAL
			SAY	512.50'																					
ADDITIONAL G	SUARDRAIL POSTS =	5 EA																							