COMPUTED BY: LAC DATE: 2/3/2023
CHECKED BY: SEC DATE: 2/3/2023

PROJECT NO.	SHEET NO.
BR-0095	3B-1

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUIMMARY OF EARTHWORK

CUBIC YARDS

Cl	DIC TAKDS				
Station to Station	Uncl. Exc.	Embank. +%	Borrow C.Y.	Waste C.Y.	
	C.Y.	C.Y.	C.1.	G. 1 .	
SUMMARY NO. 1					
-L- STA. 12+25 TO 15+95.66 (BB)	88	1,081	993		
-L- STA. 17+90.66 (EB) TO 21+50	42	1,470	1,428		
SUMMARY NO. 1 TOTALS	130	2,551	2,421		
SUMMARY NO. 2					
-RPA- STA. 11+30.00 TO 13+98.34	105	162	57		
-RPB- STA. 10+11.04 TO 11+30.00	2	91	89		
-RPC- STA. 10+11.04 TO 11+00.00	2	29	27		
-RPD- STA. 12+20.00 TO 13+13.90	2	32	30		
SUMMARY NO. 2 TOTALS	111	314	203		
TOTAL	241	2,865	2,624		
Material For Shoulder Construction			120		
Loss due to Clearing & Grubbing	-50		50		
Est 5% To Replace Topsoil at Borrow Pit			140		
GRAND TOTALS	191	2,865	2,934		
SAY	200		3,000		
SELECT GRANULAR MATERIAL = 200 CY					

SELECT GRANULAR MATERIAL = 200 CY

TOTAL SHALLOW UNDERCUT = 100 CY

EST . CLASS IV SUBGRADE STABILIZATION = 200 TONS
PER GEOTECH RECOMMENDATION, ESTIMATED 450 CUBIC YARDS OF UNDERCUT TO BE

USED AT THE DISCRETION OF THE RESIDENT ENGINEER.

SUMMARY OF WOVEN WIRE FENCE

LINE	STATION TO STATION	ON TO STATION SIDE			5" POST (EA)
-L- TO -RPB-	-L- 12+85.54 to -L- 12+85.54	RT	56.92	1	5
	-L- 12+85.54 to -RPB- 11+45.78	RT	71.74	4	2
-RPD- TO -L-	-RPD- 10+34.16 to -RPD- 11+80.32	LT	146.17	8	5
	-RPD- 11+80.32 to -L- 21+53.95	LT	145.44	9	2
			400.05		
	PROJECT TOTAL		420.27	22	14
	CAN.		420	22	1.4
	SAY		430	23	14

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

SUMMARY OF SHOULDER	R BERM	GUTTER
Station to Station	LOC LT/RT/CL	SQ. YDS.
-L- STA. 15+63 TO STA. 16+04.22	LT	41.22
-L- STA. 15+45 TO STA. 15+87.10	RT	42.10
PROJE	CT TOTAL	83.32
	SAY	84
	5/11	UT

SUMMARY OF ASPHALT PAVEMENT BREAKING

Station to Station	LOC LT/RT/CL	SQ. YDS.
-L- STA. 14+25 TO STA. 15+38	CL	277.64
-L- STA. 18+49 TO STA. 19+50	CL	246.64
PROJE	CT TOTAL	524.28
	SAY	530

SUIMMARY OF ASPHALT PAVEMIENT REMOVAL

LOC LT/RT/CL	SQ. YDS.
CL	122.23
CL	122.17
	111.59
ECT TOTAL	355.99
SAY	360
	CL CL CL CL CL

GUIARIDRAIL SUIMMARY

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

					LENGTH (FT.)		WARRAN	NT POINT	"N" DIST.	TOTAL	FLARE LE	NGTH	W			ANCHO	ORS			IN	/IP. ATTEI	N.	REMOVE			
LINE	BEGIN STA.	END STA.	LOC.	STRAIGHT	SHOP	DOUBLE	APPR.	TRAIL.	FROM	SHLDR	APPR. TI	RAIL. APP	R. TRAIL.	GREU	GREU	TYPE	TYPE	TYPE	TEMP TEMP	TEMP	TEMP	1	TYPE 350	0	EXISTING	REMARKS
					CURVED	FACED	END	END	E.O.L.	WIDTH	END I	END EN	END	TL-3	TL-2	B-77	Ш	CAT-1	GREU TL-3 GREU TL-2	B-77	CAT-1	EA	G	NG	GUARDRAII	_
-L-	14+85.48	16+04.23	LT	118.75'				16+04.23	8.0'	8.0'	5	0.00'	1.00'	1			1									
-L-	17+99.21	19+72.29	LT	131.25'	57.18'		17+99.21		8.0'	8.0'							1	1							80'	BRIDGE WARRANT
-L-	14+10.86	15+87.09	RT	131.25'	70.91'		15+87.09		8.0'	8.0'							1	1							91'	BRIDGE WARRANT
-L-	17+82.11	19+38.36	RT	156.25'				18+25.00	8.0'	8.0'	5	0.00'	1.00'	1			1									
-Y-	12+02.00	16+23.25	MED-LT	421.25'															1		1				421'	EXIST GUARDRAIL TO BE REMOVED ALONG US 220 MEDIA
-Y-	12+41.75	16+93.00	MED-RT	451.25'															1		1				451'	EXIST GUARDRAIL TO BE REMOVED ALONG US 220 MEDIA
-Y-	14+44.52	15+86.48	LT																						142'	EXISTING GUARDRAL TO BE REMOVED ALONG US 220
-Y-	13+13.07	14+55.17	RT																						142'	EXISTING GUARDRAL TO BE REMOVED ALONG US 220
		SUB-TOTAL	1	1410.00'	128.09'									2			4	2	2		2				1327'	SUB-TOTAL
Dl	EDUCTION FOR AN	CHOR UNITS																								
		GREU TL-3 @ 50'	2	-100.00'																						
		TYPE III @ 18.75'	4	-75.00'																						
		CAT-1 @ 6.25'	2		-12.50'																					
		PROJECT TOT	AL	1235.00'	115.59'									2			4	2	2		2				1327'	PROJECT TOTAL
		SAY		1237.50'	125.00'																					
DITIONAL	L GUARDRAIL POST	$\Gamma S = 5 EA$																								