COMPUTED BY: AMP	DATE: 3/8/18
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Dewberry
2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9929
NC COA No. F-0929

PROJECT REFERENCE NO.	SHEET NO.
15005.1032011	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	EMBANK. 20+%	BORROW	WASTE
10+50.00	14+12.70	170	53	0	117
	BEGIN BRIDGE				
15+20.30	20+00.00	332	14	0	318
END BRIDGE					
SUBTOTALS:		502	67	0	435
PROJECT TOTALS		502	67	0	435
GRAND TOTALS:		502	67	0	435
SAY:		510	70		

Note: Approximately quantities only. Unclassified Excavation, Borrow Excavation, Shoulder Borrow, Fine Grading, Clearing and Grubbing, Breaking of Existing Pavement, and Removal of Existing Pavement will be paid for at the contract lump sum price for grading.

UNDERCUT EXCAVATION = 400 CY CONTINGENCY
SELECT GRANULAR MATERIAL = 400 CY CONTINGENCY
GEOTEXTILE FOR SOIL STABILIZATION = 400 SY CONTINGENCY

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L-	STA. 15+08.17	STA. 15+36.00	27.8
-L-	STA. 15+27.52	STA. 15+57.00	29.5
		TOTAL:	57.3
		SAY:	58

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SY
-L-	10+50	13+99	CL	897
-L-	15+30	20+00	CL	1,224
			TOTAL:	2,121
			SAY:	2,130

"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

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350			SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GREU 350	M-350	TYPE III	CAT-1	VI MOD	BIC	AT-1	EA	G	NG				
-L-	STA. 10+50.00	STA. 14+24.83	LT	381.25				STA. 14+24.83	6	9		50		1			1		1											
-L-	STA. 10+50.00	STA. 14+05.48	RT	356.25			STA. 14+05.48		6	9	50		1				1		1											
-L-	STA. 15+27.52	STA. 20+00.00	LT	481.25			STA. 15+27.52		6	9	50		1				1		1											
-L-	STA. 15+08.17	STA. 20+00.00	RT	493.75				STA. 15+08.17	6	9		50		1			1		1											
-L-	STA. 10+39.31	STA. 14+09.91	LT																									373		
-L-	STA. 10+13.59	STA. 13+88.87	RT																									376		
-L-	STA. 15+41.20	STA. 20+84.51	LT																									544		
-L-	STA. 15+19.37	STA. 20+63.39	RT																									545		
			TOTAL	1712.5													4		4									1,838		
		DEDUCTIONS	TYPE III (18.75 LF PER UNIT)	75																										
			GREU 350 (50 LF PER UNIT)	200																										
			PROJECT TOTAL	1437.5													4		4									1,838		
			SAY	1450													4		4									1,840		
			ADDITIONAL GUARDRAIL POST	5																										

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