COMPUTED BY: KTB DATE: 03-10-15
CHECKED BY: DATE:

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.141	3B-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS					
LINE	LOCATION	ASPHALT REMOVAL	ASPHALT BREAK-UP	CONCRETE REMOVAL	CONCRETE REMOVAL
-L-	13+00 TO 13+93	210			
-L-	15+18 TO 17+00	364			
-Y-	11+25 TO 12+10	301			
	TOTAL	875			
	SAY	880			

SUMMARY OF EARTHWORK IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
PHASE 1: BEFORE BRIDGE SUMMARY					
-L- STA. 12+50 RT TO STA. 13+96.61 RT (BEG. BRIDGE)	13		47	34	
SUBTOTAL PHASE 1: BEFORE BRIDGE SUMMARY	13		47	34	
PHASE 1: AFTER BRIDGE SUMMARY					
-L- STA. 15+24.41 RT (END BRIDGE) TO STA. 17+00.00 RT	21		2		19
SUBTOTAL PHASE 1: AFTER BRIDGE SUMMARY	21		2		19
PHASE 2: BEFORE BRIDGE SUMMARY					
-L- STA. 12+50 LT TO STA. 13+96.61 LT (BEG. BRIDGE)	23		23		
-DR1- STA. 10+40.00 TO STA. 11+05.25	54		18		36
SUBTOTAL PHASE 2: BEFORE BRIDGE SUMMARY	77		41		36
PHASE 2: AFTER BRIDGE SUMMARY					
-L- STA. 15+24.41 LT (END BRIDGE) TO STA. 17+00.00 LT	20		3		17
-Y- STA. 11+25.00 TO STA. 12+00.00	20		37	17	
SUBTOTAL PHASE 2: AFTER BRIDGE SUMMARY	40		40	17	17
PHASE 1 TOTAL	34		49	34	19
PHASE 2 TOTAL	117		81	17	53
WASTE IN LIEU OF BORROW				-51	-51
GRAND TOTAL	151		130	0	21
SAY	160				

NOTE:
Approximate quantities only. Unclassified Excavation, Borrow Excavation, 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."

CONTINGENCY ITEMS:
INCIDENTAL STONE = 50 TONS
UNDERCUT EXCAVATION = 50 CY
SELECT GRANULAR MATERIAL = 50 CY
CLASS IV SUBGRADE STABILIZATION = 50 TONS
GEOTEXTILE FOR SOIL STABILIZATION = 50 SY

"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	GRAU 350	GRAU 350 TL-2	TYPE III	TYPE III SHOP CURVED	B-77	BIC	AT-1	EA	G	NG				
-L-	13+83.81	13+96.91	RT	6.25	18.75		13+96.91		8	8										1			1							
-L-	13+85.46	13+96.91	LT	6.25	18.75			13+85.46	6	6										1			1							
-L-	15+24.41	15+40.66	RT	6.25	18.75			15+40.66	8	8										1			1							
-L-	15+24.41	15+51.34	LT	25	31.25		15+51.34		6	6		25		1				1		1										
			SUBTOTAL	43.75	87.5													1		4			3							
		LESS DEDUCTIONS FOR ANCHORS																												
			GRAU-350 TL-2 1 @ 25'=	-25																										
			AT-1 3 @ 6.25'=	-18.75																										
		TYPE III (SHOP CURVED) 4 @ 18.75'=			-75																									
			PROJECT TOTALS:	0	12.5																									
		ADDITIONAL GUARDRAIL POSTS=5 EA.																												

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