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6/21/00

COMPUTED BY: H. CHRISTENBURY, PE DATE: 06-15-18
CHECKED BY: R. THIGPEN DATE: 06-18-18

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.176	3B-1

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV. (CY)	EMBANK. +15% (CY)	BORROW (CY)	WASTE (CY)
9+25.00 -L-	11+76.17 -L-	106	18		88
12+21.17 -L-	13+64.00 -L-	43	98	55	
10+10.00 -DR1-	11+20.00 -DR1-	43	1		42
SUBTOTAL 1:		192	117	55	130
EARTH TO REPLACE BORROW:				-55	-55
PROJECT TOTALS		192	117		75
EST 5% TOPSOIL FOR BORROW PITS			6		
GRAND TOTALS:		192	123		75
SAY:		200			

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

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
L	9+25.00	11+58.40	228.5
L	12+39.78	12+63.30	23.5
		TOTAL:	252
		SAY:	252

CONTINGENCY ITEMS

ITEM	QUANTITY	UNIT
INCIDENTAL STONE BASE	50	TONS
UNDERCUT EXCAVATION	50	CY

PAVEMENT REMOVAL SUMMARY

LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
-L-	11+01.77	11+78.16	LT	48.42
-L-	11+90.39	13+05.83	LT	231.61
			TOTAL:	280.03 SY
			SAY:	290

"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

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	TYPE III	GREU TL-2	M-350	XIII	CAT-1	VI MOD	BIC	AT-1	EA	G	NG				
-L-	9+21.51	11+71.41	LT	250.00'					2'-5"	5'-5"						1							1							
-L-	11+34.75	11+85.75	RT	50.00'					2'-5"	5'-5"	25		0'-6"			1	1													
-L-	12+11.59	12+43.12	LT	18.75'	25.00'				2'-5"	5'-5"						1							1							
-L-	12+25.95	12+94.77	RT	62.50'					2'-5"	5'-5"		25		0'-6"		1	1													
			SUBTOTAL	381.25'	25.00'																									
			LESS DEDUCTIONS																											
			GREU TL-2 (2 x 25)=	50'																										
			AT-1 (1 x 6.25)=	6.25'	6.25'																									
			TYPE III (4 x 18.75)=	75'																										
			SUBTOTAL	131.25'	6.25'																									
			TOTALS	250'	18.75'											4	2						2							
			SAY	250'	18.75'		ADDITIONAL GUARDRAIL POSTS = 5									4	2						2							

9/18/2018
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