

12/06/07

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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. B-5372	SHEET NO. 3B-1
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SUMMARY OF EARTHWORK

IN CUBIC YARDS

STATION	STATION	UNCL. EXCAV.	EMBANK. ±	BORROW	WASTE
-L- 17+00.00	-L- 19+75.44 (BEGIN BRIDGE)	9	5743	5734	
-Y- 16+71.30	-Y- 21+59.64	2935	706		2229
-L- 21+50.94 (END BRIDGE)	-L- 25+85.00	41	9520	9479	
-LPC- 10+75.53	-LPC- 14+00.00	9	7259	7250	
-Y2- 10+00.00	-Y2- 11+19.76	31	21		10
PROJECT SUBTOTALS:		3,025	23,249	22,463	2,239
WASTE IN LIEU OF BORROW				-2,239	
PROJECT TOTALS:		3,025	23,249	20,224	
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT				1,011	
GRAND TOTALS:		3,025		21,235	
SAY:		3,100		21,300	

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

UNDERCUT EXCAVATION = 450 CY (CONTINGENCY)
 SELECT GRANULAR MATERIAL = 400 CY (CONTINGENCY)
 GEOTEXTILE FOR SOIL STABILIZATION = 400 SY (CONTINGENCY)
 GEOTEXTILE FOR SUBGRADE STABILIZATION = 300 SY (CONTINGENCY)
 SHALLOW UNDERCUT = 100 CY (CONTINGENCY)
 CLASS IV SUBGRADE STABILIZATION = 200 TON (CONTINGENCY)
 DRAINAGE DITCH EXCAVATION = 370 CY

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	18+00	18+45	CL	164.56			
-L-	24+45	25+50	CL	343.78			
-L-	18+45	19+65	CL		389.78		
-L-	21+62	24+45	CL		96.66		
-LPC-	10+00	13+50	CL		679.44		
TOTAL:				508.34	2030.88		
SAY:				510	2040		

"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.

*ADDITIONAL GUARDRAIL POSTS = 10

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH		TEMPORARY		WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS							IMPACT ATTENUATOR TYPE TL-3			SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS				
				STRAIGHT	SHOP CURVED	STRAIGHT	SHOP CURVED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	GREU TYPE TL-3	GREU TYPE TL-2	III	CAT-1	B-77	BIC	AT-1	EA	G					NG			
-L-	18+25.91	19+86.11	RT.	156.25'					19+86.11	7.5'	8.5'	137.5'		3.39'																	90.5'		
-L-	19+08.52	19+64.77	LT.	56.25'					19+64.77	7.5'	8.5'		37.5'		1.39'															91.6'			
-L-/LPC-	21+61.61	14+09.01	RT.	356.25'					21+61.61	12'	15'		25'		0.5'															94.4'			
-L-	21+40.28	24+04.46	LT.	256.25'					23+50.00	9.5'	10.5'	25'		0.5'																81.9'			
-Y-	16+96.36	17+17.36	MEDIAN																					1	1								
-Y-	17+17.36	21+17.25	MED. RT.	400.00'																										212.6'			
-Y-	17+17.36	21+17.25	MED. LT.	400.00'																										305.6'			
-Y-	21+17.25	21+38.50	MEDIAN																					1	1								
PROJECT TOTAL				1625.00'																				2	2					876.6'			
LESS DEDUCTION FOR ANCHOR UNITS																																	
4 TYPE III @ 18.75'				-75'																													
4 GREU TL-2 @ 25'				-100'																													
TOTAL				1,450.00'																													

TEMPORARY GUARDRAIL SUMMARY

-Y-	17+17.36	21+17.25	RT.		368.75'																														
-Y-	21+17.25	21+38.50	LT.		331.25'																														
PROJECT TOTAL					700.00'																														
LESS DEDUCTION FOR ANCHOR UNITS																																			
2 CAT-1 @ 6.25'					-12.5'																														
2 GREU TL-3 @ 25'					-50'																														
TOTAL					637.50'																														
SEE SHEET TMP-5 FOR TEMPORARY GUARDRAIL																																			
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