

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

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".

SUMMARY OF EARTHWORK
 IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- II+05 TO 19+10 (BEG BRG)	854		2320	1466	
SUBTOTAL SUMMARY 1	854		2320	1466	
-L- END BRG STA 20+50 TO 31+50	1235		9783	8548	
SUBTOTAL SUMMARY 2	1235		9783	8548	
PLACE TEMP EARTH FOR TRAF CTL					
-L- STA 13+50 TO 17+40	593		8		585
-L- STA 26+50 TO 30+50	73		184		
SUBTOTAL SUMMARY 3	666		192		585
REM TEMP EARTH FOR TRAF CTL					
-L- STA 13+50 TO 17+40	186				186
-L- STA 26+50 TO 30+50	267				267
SUBTOTAL SUMMARY 4	453				453
PROJECT SUBTOTAL	3208		12295	10125	1038
WASTE IN LIEU OF BORROW				-585	-585
ADD 5% TO REPLACE TOPSOIL @ PIT				477	
GRAND TOTAL	3208		10017		453
SAY	3300		10100		453
DDE = 3.5 CY					

SHOULDER BERM GUTTER
 LINEAR FEET

STATION TO STATION	LOCATION	LENGTH
-L-		
17+14 - 18+66 (APPR SLAB)	RT	152
20+65 (APPR SLAB) - 22+50	RT	185
TOTAL		337
SAY		340

5 STRAND BARBED WIRE FENCE W/WOOD POSTS SUMMARY
 LINEAR FEET

STATION TO STATION	LOCATION	LENGTH
-L-		
11+41 - 13+48	LT	225
TOTAL		225
SAY		230
ADDITIONAL WIRE	LT	225

ASPHALT PAVEMENT REMOVAL
 IN SQUARE YARDS

STATION TO STATION	LOCATION	AREA
-L-		
17+73 - 19+95	BEFORE BRIDGE	449.17
20+51 - 25+50	AFTER BRIDGE	898.51
TEMP PAV'T REM		
13+50 - 17+30	BEFORE BRIDGE	630.74
26+50 - 30+50	AFTER BRIDGE	398.51
TOTAL		2376.93
SAY		2400

TEMP. 4' WOVEN WIRE FENCE W/WOOD POSTS SUMMARY
 LINEAR FEET

STATION TO STATION	LOCATION	LENGTH
-L-		
28+93 - 30+55	LT	162
TOTAL		162
SAY		165
TEMP DOUBLE GATE STA. 30+42 4' HIGH, 10' WIDE, 20' OPENING	LT	2 @ 10' EA

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

STATION	LOCATION (L/RT OR C/U)	STRUCTURE NO.	TOP ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE)								BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE)								15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS	QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B')	FRAME, GRATES AND HOOD STANDARD 840.03	CORR. STEEL ELBOVS NO. & SIZE	CONC. COLLARS CL. 'B' C.Y. STD 840.72	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	PIPE REMOVAL LIN. FT.	REMARKS										
						12"	15"	18"	24"	30"	36"	42"	48"	12"	15"	18"	24"	30"	36"	42"	48"																					
11+37	RT	1																																								
13+22	RT	2		2258.55	2255.40																																					
13+54	LT	3																																								
17+20	RT	4	2267.19																																							
17+20	RT	4	-	2264.44	2261.69																																					
17+34	RT	5	4	2267.40																																						
17+34	RT	5		2264.65	2264.44																																					
17+65	LT	6																																								
22+42	RT	7		2274.52																																						
22+42	RT	7	-	2271.77	2266.54																																					
29+40	RT	8																																								
30+42	LT	9																																								
					TOTAL:																																					
					SAY:																																					

"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	TYPE XI	GRAU 350	M-350	TYPE III	CAT-1	VI MOD	BIC	AT-1	EA	G					NG										
-L-	16+67	18+79.50	RT	212.50'					8	8	50																													
-L-	17+86.50	19+11.50	LT	125.00'					3	8		100.50		2.01																										
-L-	20+46.50	22+96.50	RT	250.00'					8	8		50																												
-L-	20+73.40	23+67.50	LT	287.50'					3	8	268.75		5.36																											
				SUBTOTAL:	875.00'																																			
				ANCHOR DEDUCTIONS:	275.00'																																			
				TOTAL:	600.00'																																			
				SAY:	600.00'																																			

8/17/09

21-MAY-2004 09:28
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 JRM:est ET RD 05/21/05