

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

ASPHALT PAVEMENT REMOVAL SUMMARY

STATION TO STATION	SQUARE YARDS
-L- STA. 10+25 TO STA. 10+97	585
-L- STA. 11+66 TO STA. 12+25	365
-L- STA. 9+56 LT. TO STA. 10+25 LT.	43
-L- STA. 9+28 RT. TO STA. 10+25 RT.	40
PROJECT TOTAL	1033
SAY	1050

STATION TO STATION	UNCLASSIFIED EXCAVATION (cu. yds)	UNDERCUT (cu. yds)	ROADWAY EMBANKMENT + % (cu. yds)	BORROW (cu. yds)	WASTE (cu. yds)
SUMMARY #1					
-L- STA. 8+50.00			52	8	
-L- STA. 10+75.00 (BEGIN BRIDGE)	44				
SUMMARY #2					
-L- STA. 11+79.00 (END BRIDGE)			203	142	
-L- STA. 14+10.71	61				
SUBTOTAL (SUMMARIES 1-2)	105		255	150	
TOTAL	105		255	150	
EST. 5% FOR REPLACING TOPSOIL ON BORROW PITS					
GRAND TOTAL	105		255	158	
SAY	110		260	160	

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.

ESTIMATED UNDERCUT EXCAVATION = 200 CY.
 ESTIMATED DRAINAGE DITCH EXCAVATION = 3 CY.

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	M-350	XIII	CAT-A	VI MOD	BIC	TYPE III														
-L-	9+13.00	10+63.00	RT.	150.00'			10+63.00		4'	11'	131.25'		2.50'					1																			
-L-	9+88.00	10+63.00	LT.	75.00'				10+63.00	4'	11'		56.25'		1'				1																			
-L-	11+91.00	12+66.00	RT.	75.00'				11+91.00	4'	11'		56.25'		1'				1																			
-L-	11+91.00	13+03.50	LT.	112.50'				11+91.00	4'	11'	93.75'		1.88'					1																			
SUBTOTAL				412.50'														4																			
DEDUCTIONS FOR ANCHOR UNITS:				-275.00'																																	
TOTAL				137.50'														4																			
SAY				137.50'														4																			

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

STATION	SIZE	THICKNESS OR GAUGE	LOCATION (L,T, RT, OR CL)	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)										ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE)	R.C.P. C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL LF. FOR RAY QUANTITY SHG BE COL. A + (1/2 X COL. B)	PER EACH (0' THRU 5.0')	5.0' THRU 10.0'	10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES AND HOOD STANDARD 840.03	TYPE OF GRATE	MODIFIED CONC. FLUME SEE DETAIL 2-1	REMARKS	
								12"	15"	18"	24"	30"	36"	42"	48"	12"	15"	18"	24"	30"	36"	42"	48"	A	B	E	F												G
								FROM	TO	FROM	TO																												
-L- 10+47	LT.	1																																					
-L- 13+08	LT.	2																																					
-L- 13+08	RT.	3																																					
TOTALS																																							

- ABBREVIATIONS**
- C.B. CATCH BASIN
 - N.D.I. NARROW DROP INLET
 - D.I. DROP INLET
 - M.D.I. MEDIAN DROP INLET
 - M.D.I. (N.S.) MEDIAN DROP INLET (NARROW SLOT)
 - J.B. JUNCTION BOX
 - M.H. MANHOLE
 - T.B.D.I. TRAFFIC BEARING DROP INLET
 - T.B.J.B. TRAFFIC BEARING JUCTION BOX