6/21/00

COMPUTED BY: jbw DATE: 06-21-05
CHECKED BY: jdg DATE: 07/18/05

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B-4040	3-A

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

STATION	STATION	LOCATION	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
10+00.00 -L-	11+35.32 -L-	C/L	266			
11+75.12 -L-	16+92.57 -L-	C/L	1006			
	TOTAL		1272			
	SAY		1275			

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."

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
10+00.00 -L-	16+92.57 -L-	1044		1067	23	
	SUBTOTAL	1044		1067	23	
	TOTAL	1044		1067	23	
LOSS FOR CLEARING AND GRUBBING		-10			10	
	GRAND TOTAL	1034		1067	33	
	SAY	1035			35	
GRADE POINT UNDERCUT			100 CU. YD.			
DDE 85 CU. YD.						

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

STATION	LOCATION (LT,RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) 12"	15"	18"	24"	30"	36"	42"	48"	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHRWISE) 12"	15"	18"	24"	30"	36"	42"	48"	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') PER EACH (0' THRU 5.0')	LIN. *FT. A 5.0' THRU 10.0'	B 10.0' AND ABOVE	C.B. STD. 840.02 OR STD. 840.01	FRAME, GRATES AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G		PIPE REMOVAL LIN.FT.	REMARKS
SIZE																																					
THICKNESS OR GAUGE								.064	.064	.064	.064	.079	.079	.109	.109																						
12+50 -L-	LT	1																						24'													
12+50 -L-	LT	2																																			20'	REMOVE 15" CMP
TOTAL																								24'												20'	

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

"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 STRAIGHT	LENGTH SHOP CURVED	LENGTH DOUBLE FACED	WARRANT POINT APPROACH END	WARRANT POINT TRAILING END	"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH APPROACH END	FLARE LENGTH TRAILING END	W APPROACH END	W TRAILING END	ANCHORS XI MOD	XI	GRAU 350	M-350	XIII	CAT-1	VI MOD	BIC	AT-1	IMPACT ATTENUATOR TYPE 350 EA	G	NG	SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
-L-	10+20	12+45	LT	225'			11+79		5'	8'	50'	50'					2													
-L-	10+25	13+00	RT	275'			11+49		5'	8'	50'	50'					2													
		TOTAL		500'																										
	DEDUCTION FOR ANCHOR UNITS																													
	4 GRAU-350 @ 50'			-200'																										
		GRAND TOTAL		300'																										
		SAY		350'													4													
										ADDITIONAL GUARDRAIL POSTS 5 EACH																				

30-AUG-2005 08:00
C:\projects\b4040_rdy_sum.dgn
$$$$USERNAME
$$$$SCALE

557 Tuesday August 30 2005 b4040_rdy_sum jlansford rd-07oce34