6/21/00

COMPUTED BY:	D. PETRY	DATE:	1/7/03
CHECKED BY:	M. COPPLE	DATE:	11/10/04

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B-4515	3-A

ASPHALT PAVEMENT REMOVAL SUMMARY

STATION TO STATION	SQUARE YARDS
-L- STA. 10+50 TO STA. 15+15 (BEGIN BRIDGE)	1033
-L- STA. 15+55 (END BRIDGE) TO STA. 20+00	989
PROJECT TOTAL	2022
SAY	2025

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

STATION TO STATION	UNCLASIFIED EXCAVATION (cu. yds)	UNDERCUT (cu. yds)	ROADWAY EMBANKMENT +% (cu. yds)	BORROW (cu. yds)	UNSUIT WASTE (cu. yds)
SUMMARY #1 -L- STA. 10+00 -L- STA. 14+72.00 (BEGIN BRIDGE)	279		1,039	760	
SUMMARY #2 -L- STA. 16+02.00 (END BRIDGE) -L- STA. 20+50.00	78		1,283	1,205	
SUBTOTAL (SUMMARIES 1-2)	357		2,322	1,965	
EST. LOSS DUE TO CLEARING AND GRUBBING	- 100			100	
PROJECT TOTALS	257		2,322	2,065	
ESTIMATED 5% FOR REPLACING TOPSOIL ON BORROW PITS				103	
GRAND TOTAL	257		2,322	2,168	
SAY	260		2,325	2,170	

ESTIMATED DRAINAGE DITCH EXCAVATION = 115 C.Y.
ESTIMATED UNDERCUT = 150 CY.

"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.

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	ANCHORS XI	ANCHORS GRAU 350	ANCHORS M-350	ANCHORS XIII	ANCHORS CAT-A	ANCHORS VI MOD	ANCHORS BIC	ANCHORS TYPE III	IMPACT ATTENUATOR TYPE 350	SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
-L-	11+60.00	14+60.00	RT.	300.00'			14+61.00		3'		281.25'		5.62'				1						1					
-L-	13+22.50	14+60.00	LT.	137.50'				14+61.00	3'			118.75'		2.38'			1						1					
-L-	16+14.00	17+39.00	RT.	125.00'				16+13.00	3'			106.25'		2.12'			1						1					
-L-	16+14.00	18+01.50	LT.	187.50'			16+13.00		3'		168.75'		3.38'				1						1					
							DEDUCTION FOR ANCHOR UNITS:																					
SUBTOTAL				750.00'			4 GRAU-350 @ 50.00' = 200.00'						.... 5 ADDITIONAL GUARDRAIL POSTS															
DEDUCTIONS FOR ANCHOR UNITS:				-275.00'			4 TYPE III @ 18.75' = 75.00'																					
								275.00'																				
TOTAL				475.00'													4						4					
			SAY	475'																								

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" .064	15" .064	18" .064	24" .064	24"	30" .079	30"	36" .079	36"	42" .109	42"	48" .109	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 PER EACH (0' THRU 5.0')	LIN. *FT. A 5.0' THRU 10.0'	LIN. *FT. B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G		TRAFFIC BEARING DROP INLET STD. 840.35	M.D.I. FRAME WITH TWO GRATES STD. 840.29	PREFORMED SCOUR HOLE (SEE DETAIL 2-A)	CORR. STEEL ELBOWS NO. & SIZE (BITUMINOUS COATED)	PIPE REMOVAL (LF)	REMARKS
-L- 14+32	RT.	1	OUT	212.79	209.62	204.00											28'																	1								1	1	1	2-15"		
-L- 14+32	LT.	2	OUT	212.79	209.62	205.50											24'																	1								1	1	1	2-15"		
-L- 16+40	LT.																																											1			
-L- 18+05	LT.	3																											32																	30	
TOTAL																	52												32					2								2	2	3	4-15"	30	

* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')

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

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