CHECKED BY: EEA DATE 9/3/2004

DS214567

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

Station	Station	Uncl. Excav.	Embank. +20%	Borrow	Waste
L 10+00	L 36+50	840	12406	11734	168
Rev A 1+00	Rev A 3+50	207	56	-	151
Rev B 0+50	Rev B 13+00	2251	3560	1760	450
Rev C 0+50	Rev C 16+00	13035	12947	2519	2607
Rev D 0+50	Rev D 3+00	234	458	271	47
Y1 10+00	Y1 28+00	6902	9950	4428	1380
Y2 10+00	Y2 11+00	108	12	-	96
Y4 ltep 13+00	Y4 ltep 16+00	15957	-	-	15957
Y4 rtep 12+50	Y4 rtep 17+00	5738	34	-	5704
L 18+99.59	L 22+38.69			-	
	SUBTOTALS:	45272	39424	20712	26560
Loss due to clearing and grubbing		-2264		1653	
Waste to replace Borrow				-17506	-17506
5% Est. to replace Topsoil				243	
	GRAND TOTALS:	43008		5102	9054
	SAY:	43000		5100	9050

Approximate quantities only. Unclassified excavation, borrow excavation, fine grading, clearing and grubbing, breaking of existing pavement and removal of existing pavement will be paid for at the lump sum price for "Grading".

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

LINE	Station	Station	LOC LT/RT/CL	YD^2
RPB	2+19.75	4+21.55	RT	202.64
RPB	3+41.65	5+22.96	LT	200.8
RPB	4+28.63	7+70.32	LT/RT/CL	566.33
RPB	7+02.74	12+60.18	RT	1118.75
RPB	12+60.18	13+64.70	RT/LT	574.4
RPC DETOUR	0+00.00	3+40.88	LT/RT/CL	1520.85
Y2	10+63.82	11+38.20	RT	51.81
Y4	11+62.00	40.40.08	RT	3523.41
Y4	12+21.48	42+80.00	LT	3752.13
			TOTAL:	11511.12
			SAY:	11511

SUMMARY OF EXISTING ASPHALT PAVEMENT BREAKUP

LINE	Station	Station	LOC LT/RT/CL	YD^2
L	14+00.00	18+99.59	LT/RT/CL	2630.47
L	22+38.00	23+50.00	RT	267.85
			TOTAL:	2898.32
			SAY:	2898

"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
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

LINE	BEG. STA.	END STA.	LOC.	LENGTH STRAIGHT	LENGTH SHOP CURVED	LENGTH TEMPORARY	WARRANT POINT APPR. END	WARRANT POINT TRAIL. END	"N" DIST FROM E.O.L.	TOTAL SHLDR WIDTH	FLAIR LENGTH APPR. END	FLAIR LENGTH TRAIL. END	W APPR. END	W TRAIL. END	ANCHORS III	ANCHORS XI	ANCHORS GRAU 350	ANCHORS M-350	ANCHORS AT-1	ANCHORS CAT-1	ANCHORS VI MOD	IMP. ATTEN. TYPE 350 EA	IMP. ATTEN. TYPE 350 G	IMP. ATTEN. TYPE 350 NG	REMOVE EXISTING GRDRAIL		REMARKS
RP D -L-	2+00	19+25.46	RT	113.44	50		2+00	19+25.46	2.5	6.5	0	0	0	0	1				1								
-L- RP B	22+14.36	23+47.36	LT	133			22+14.36	23+47.36	2.5	6.5	50	0	1	0	1		1										
-RP B- -Y4-	3+53.93	22+59.62	LT	494.92			-RP B- 2+25	-Y4- 22+60	8	10	50	0	1	0			1			1							
-Y3-	1+21.12	12+72.46	LT	1151.34			2+50	11+50	6	6	50	50	1	1			2										
-Y4-	33+17.11	38+96.26	LT	579.15			N/A	N/A																	580		
-L-	17+37.17	18+74.04	LT	136			17+37.17	18+74.04							1					1							
-Y4-	33+17.11	38+96.26	RT	579.15			N/A	N/A																	580		
-L-	18+05	19+48	LT			143										1	1										TEMPORARY GUARDRAIL
-L-	22+10	23+15	LT			105										1	1										TEMPORARY GUARDRAIL
SUBTOTALS				3187	50	248									3	2	6		1	2					1160		
LESS ANCHOR DEDUCTIONS		GRAU 350	6 @ 50.00	200.00		100.00																					
		CAT-1	2 @ 6.25	12.50																							
		TYPE III	3 @ 18.75	56.25																							
		TYPE XI Mod.	2 @ 25.00			50																					
		AT-1	1 @ 6.25	6.25																							
TOTAL DEDUCTIONS				275.00		150.00																					
TOTAL GUARDRAIL				2912.00	50	98.00																					
SAY				**2925**	**50**	**100**									**3**	**2**	**6**		**1**	**2**					**1160**		
ADDITIONAL GUARDRAIL POSTS = 5 EA																											