

RD10501C

COMPUTED BY: BLP DATE: 11/4/2005
 CHECKED BY: MDP DATE: 11/7/2005

PROJECT NO. B-4110	SHEET NO. 3-A
PREPARED IN THE OFFICE OF:	

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

Station	Station	Uncl. Excav.	Undercut Excav.	Embank. +%	Borrow	Waste
14+00.00	16+66.61	84		764	680	
18+16.71	22+00.00	36		1576	1540	
PROJECT TOTALS:		120		2340	2220	
EXCAVATION FROM STRUCTURE IN LIEU OF BORROW (STRUCTURES PAY ITEM)					-1500	
EST. 5% TO REPLACE TOPSOIL IN BORROW PITS					36	
GRAND TOTALS:		120			756	
SAY:		130			800	

DDE 420 CY
 EST. UNDERCUT 200 CY
 SELECT GRANULAR MATERIAL 100 CY
 CLASS IV SUBGRADE STABILIZATION 100 TONS

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

LINE	Station	Station	LOC LT/RT/CL	SY ²
-L-	14+00.00	17+14.10	CL	721.48
-L-	17+65.94	22+00.00	CL	990.93
			TOTAL:	1712.41
			SAY:	1800

"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

LINE	BEG. STA.	END STA.	LOC.	LENGTH			WARRANT POINT		"N" DIST FROM E.O.L.	TOTAL SHLDR WIDTH	FLARE LENGTH		W		ANCHORS						IMP. ATTN. TYPE 350			REMOVE EXISTING GRDRAIL	REMARKS						
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPR. END	TRAIL. END			APPR. END	TRAIL. END	APPR. END	TRAIL. END	XI MOD	III	GRAU 350	M-350	XII	CAT-1	AT-1	EA	G			NG					
-L-	15+32.86	16+70.36	LT	137.50				16+70.36		6.53																					
-L-	14+37.37	16+62.98	RT	212.50	50			16+62.98	6.53		193		1.47																		
-L-	18+22.88	21+22.88	LT	300.00				18+22.88	5.88		231.25		2.12																		
-L-	18+10.74	19+32.07	RT	112.50	50			18+10.74		5.9		93.75		1.88																	
SUBTOTAL				762.50	100																										
ANCHOR DEDUCTIONS				175.00																											
TOTAL				587.50	100																										

(SAY 3 ADDITIONAL GUARDRAIL POST)