

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

"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**

BEG. STA.	END STA.	LOCATION	LENGTH STRAIGHT (Feet)	WARRANT APPROACH END	POINT TRAILING END	"N" DIST. FROM EOL (Feet)	SHOULDER WIDTH (Feet)	FLARE LENGTH		W		ANCHORS		REMARKS
								APPROACH END (Ft.)	TRAILING END (Ft.)	APPROACH END (Ft.)	TRAILING END (Ft.)	GRAU 350	B-77	
-L- 40+05.00	-L- 43+00.00	LT.	295.00	40+05.00		12	15	50		1		1	1	TIE TO CONC. BARRIER
SUBTOTAL			295.00											
LESS ANCHOR DEDUCTIONS														
GRAU-350			1 @ 50 Ft.	50.00										
B-77			1 @ 18.75 Ft.	18.75										
SUBTOTAL			-68.75											
SITE 1 PROJECT TOTAL			226.25											
SAY			250.00											
ADDITIONAL GUARDRAIL POSTS			5 EA.											

**SUMMARY OF CONCRETE BARRIERS  
 (SINGLE FACE)  
 AT WALL OFFSET**

STATION TO STATION	LOCATION	LENGTH
-L- 35+95 TO -L- 40+05	LT.	* 390 FT.
SITE 1 PROJECT TOTALS		* 390 FT.

\* 1 SECTION of T-77 and A-77 will be used

**SUMMARY OF EARTHWORK  
 IN CUBIC YARDS**

STATION TO STATION	UNCLASSIFIED EXCAVATION	EMBANKMENT + %	BORROW	WASTE
SITE 1 -L- STA. 35+50 TO -L- STA. 40+50		54,464	54,464	
SUBTOTAL		54,464	54,464	
EST 5% TO REPLACE TOPSOIL IN BORROW PIT			2,723	
SITE 1 TOTAL		54,464	57,187	0
SAY			57,200 CY	
SITE 2 -L2- STA. 29+00 TO -L2- STA. 40+00	180,244	135		180,109
SUBTOTAL	180,244	135		180,109
SITE 2 TOTAL	180,244	135	0	180,109
SAY	180,500 CY			
PROJECT TOTALS	180,244	54,599	57,187	180,109
SAY	180,500 CY		57,200 CY	

EST. UNDERCUT = 500 Cubic Yards (SITE 1)  
 EST. DDE = 60 Cubic Yards (SITE 2)