

COMPUTED BY: MET DATE: 5/26/00  
 CHECKED BY: DATE:

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS

**METRIC**  
 PROJECT REFERENCE NO. R-2562D SHEET NO. 3-0  
**WETHERILL ENGINEERING**  
 559 Jones Franklin Rd. Suite 164  
 Raleigh, N.C. 27606  
 Phone: 919 851 8077  
 Fax: 919 851 8107  
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

"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			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS				IMPACT ATTENUATOR TYPE 350			REMOVE & RESET EXISTING GUARDRAIL	REMARKS	
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350	CAT-1	EA	G	NG					
-L3-	27+28.162	28+04.362	LT	76.200			27+28.162		3.0	4.0	15.24		0.3											
-L5-	39+72.644	40+53.983	LT																				261.339	
-L4-	40+35.600	40+93.887	RT																				58.287	
PROJECT SUBTOTAL				76.200																			319.626	
ANCHOR DEDUCTIONS																								
GRAU-350	1 X 15.24			-15.24																				
CAT	1 X 1.905			-1.905																				
TOTAL				59.055																			319.626	
SAY				76.20																			320.04	
*NOTE: INCLUDE 5 ADDITIONAL GUARDRAIL POSTS																								

**SUMMARY OF PAVEMENT REMOVAL  
 IN SQUARE METERS**

LOCATION	STATION TO STATION	REMOVAL OF EX. ASPHALT	REMARKS
-LREV-	19+90.000 TO 21+35.000	87	
-LREV-	21+35.000 TO 23+60.000	68	
-LREV-	24+00.000 TO 26+60.000	156	
-LREV-	26+60.000 TO 29+20.440	990	
-LREV-	29+20.440 TO 35+63.130	8291	
-LREV-	41+60.000 TO 48+23.582 LB	797	
-L2REV-	48+23.582 LA TO 48+75.000	62	
-Y1-	10+60.000 TO 11+17.000	277	
-Y2-	10+08.000 TO 10+37.000	135	
-Y12-	10+04.000 TO 10+47.000	665	
-L6-	16+17.000 TO 17+65.135	3149	
-L1REV-	51+50.000 TO 54+30.000	1240	
-L3-	34+18.000 TO -L5- 39+27.000	2615	
-LREV- LT	33+34+/- TO 34+64+/-	520	TEMP. PAVEM'T
-L2REV-	49+10+/- TO 51+16+/-	727	TEMP. PAVEM'T
-L2REV-	52+10+/- TO 52+88+/-	112	TEMP. PAVEM'T
-LREV-	21+87+/- TO 25+53+/-	1997	TEMP. PAVEM'T
	TOTAL	21888	
	SAY	22000	

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