COMPUTED BY: J.B. DATE: 04/04
CHECKED BY: T.H. DATE: 04/04

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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PROJECT REFERENCE NO.	SHEET NO.
B-3375	3-C

"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			SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	TYPE III	GRAU 350	M-350	XIII	CAT-1	VI MOD	BIC	AT-1	EA	G	NG			
-L-	39+39.66	43+14.66	LT	362.50'			43+14.66	39+50.00	8.00'	11.00'						1	1										412.50'	
-L-	39+26.88	42+76.88	RT	350.00'			40+00.00	42+53.25	8.00'	11.00'	50.00'		1.00'			1	1										325.00'	
-L-	44+86.79	45+86.79	LT	75.00'	50.00'			45+11.03	8.00'	11.00'						1							1				62.50'	
-L-	44+49.01	45+24.01	RT	75.00'			44+81.01		8.00'	11.00'		50.00'		1.00'		1	1										112.50'	USING GRAU 350 PER TRAFFIC CONTROL PLANS (TO REMAIN IN PLACE)
		SUB-TOTAL =		862.50'	50.00'																							
		GRAU-350 - 3 @ 50.00' EA. =		-150.00'																								
		AT-1 - 1 @ 6.25' EA. =		-6.25'																								
		TYPE III - 4 @ 18.75' =		-75.00'																								
			TOTAL =	631.25'	50.00'											4	3						1				912.50'	
			SAY =	650.00'	50.00'																							

ADDITIONAL GUARDRAIL POSTS = 5 EA.

SUMMARY OF EARTHWORK
IN CUBIC YARDS

SURVEY LINE	STATION	STATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANKMENT + %	BORROW	WASTE
-L-	32+30.83	42+95.77	311		13,166	12,855	0
BRIDGE							
SUBTOTAL			311		13,166	12,855	0
BRIDGE							
-L-	44+67.91	56+72.17	2,256		1,543	0	713
SUBTOTAL			2,256		1,543	0	713
PROJECT SUBTOTALS			2,567		14,709	12,855	713
LOSS DUE TO CLEARING AND GRUBBING			-620			+620	
EARTH WASTE TO REPLACE BORROW						-713	-713
PROJECT TOTALS			1,947		14,709	12,762	0
EST. 5% FOR REPLACING TOP SOIL ON BORROW PITS						638	
GRAND TOTAL			1,947			13,400	
SAY			2,000			13,450	

DRAINAGE DITCH EXCAVATION = 21 CY
UNDERCUT EXCAVATION = 500 CY (CONTINGENCY)

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING". (SEE PROJECT SPECIAL PROVISIONS.)

SUMMARY OF PAVEMENT REMOVAL
IN SQUARE YARDS

LOCATION	ASPHALT REMOVAL	ASPHALT BREAK-UP	CONCRETE REMOVAL	CONCRETE BREAK-UP
-L- Sta. 37+24.57 TO Sta. 39+35.35	111			
-L- Sta. 40+22.17 TO Sta. 43+43.47	419			
-L- Sta. 44+94.91 TO Sta. 45+95.80	103			
-L- Sta. 46+54.95 TO Sta. 47+64.87	84			
-L- Sta. 49+35.71 TO Sta. 52+72.08	21			
-L- Sta. 38+60.27 TO Sta. 39+37.73		17		
-L- Sta. 40+26.22 TO Sta. 43+33.12		253		
-L- Sta. 45+14.11 TO Sta. 45+86.26		35		
TOTAL	738	305		
SAY	760	315		

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