9/16/99

COMPUTED BY: MRL DATE: 4/7/2015
CHECKED BY: AKW DATE: 4/7/2015

PROJECT REFERENCE NO.	SHEET NO.
U-3308	3B-2

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.
G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION				WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR TYPE 350			REMOVE EXISTING GUARDRAIL	STRAIGHT THRIE BEAM	WTR SECTION	REMARKS
																								PERMITTED						
				STRAIGHT	SHOP CURVED	SHOP CURVED THRIE BEAM	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	TYPE 350 TL-2	TYPE III	CAT-1	AT-1	TYPE III MODIFIED	TYPE 350 TL-3				NO.	G	NG				
-R1-	11+00.00	14+31.25	RT	331.25			11+00.00		2'	6' BERM	27'		0.54'				1										365'			TIE TO EXIST GUARDRAIL
-LALT-	14+76.62	15+58.52	LT	81.90				15+58.52	7.5'	10' BERM					1	1														
-LALT-	14+70.65	15+52.65	RT	82.00'			15+52.65		7.5'	10' BERM					1	1											112'			
-LALT-	17+39.23	13+60.00 -R3-	LT	391.50'		50'	17+39.23		7.5'	10' BERM							1		1								529'	50'	1	THRIE BEAM- SEE SHEET 2C-16 FOR THRIE BEAM TRANSITION
-R3-	11+57.00	13+60.00	RT	203.00'			11+57.00		2'	6' BERM					1		1													
-LALT-	21+89.17	24+75.94	RT	286.77'			21+89.17		2'	10' BERM					1		1													
-LALT-	23+79.28	26+70.77	LT	291.49'			26+70.77		2'	10' BERM					1		1													
-LALT-	22+52.00		C/L																					1		X				
-LALT-	24+87.00		C/L																					1		X				
-Y-	15+24.56	16+23.90	LT	99.34'				16+23.90	2'	8' BERM					1	1														
-Y-	12+22.90 -Y3A-	16+31.01	RT	143.23'	50'		16+31.01		7.5'	8' BERM						1		1												
-Y-	17+88.51	18+71.98	RT	83.47'				17+88.51	7.5'	8' BERM	25'		0.5'		1	1														
-Y-	17+81.40	19+59.17	LT	177.77'			17+81.40		2'	8' BERM	118.84'		2.38'		1	1														
-YA-	11+04.35	15+56.85	LT	452.5'			13+05.22		6'																		452.5'			
-YA-	11+06.19	15+58.69	RT	452.5			13+05.22		6'																		452.5			
		SUBTOTAL		3076.72'	50'	50'									8	6	5	1	1					2				50'	1	
DEDUCTION FOR ANCHORS																														
8 - TYPE 350 TL-2 @ 25' EACH				-200'																										
6 - TYPE III @ 18.75' EACH				-112.5'																										
5 - CAT-1 @ 6.25' EACH				-31.25'																										
1 - AT-1 @ 6.25' EACH				-6.25'																										
1 - TYPE III MODIFIED @ 18.75' EACH																												-18.75		
		TOTAL		2726.72'	50'	50'									8	6	5	1	1					2			1911	31.25'	1	
		SAY		2737.50'	50'	50'																					1920	37.5'		
ADDITIONAL GUARDRAIL POSTS - 10 EACH																														
	TEMPORARY GUARDRAIL																													SEE TMP PLANS
-YA-	11+04.35	15+56.85	LT	452.5'					6'		50		1				2			2										
-YA-	11+06.19	15+58.69	RT	452.5					6'		50		1				2			2										
	DEDUCTION FOR ANCHORS																													
	4 - TYPE 350 TL-3 @ 50' EACH			-200'																										
	4 - CAT-1 @ 6.25' EACH			-25'																										
20' OPENING BETWEEN TL-3 AND CAT-1				-80'																										
		TOTAL		600'													4			4										
		SAY		600'													4			4										