6/16/99

COMPUTED BY: A PRIDGEN DATE: 08.22.03
CHECKED BY: _____ DATE: _____

"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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
R-2417BB	3-H

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350					REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END		CAT-1	GRAU 350	TYPE III	M 350	TYPE B-77				EA	G	NG			
-L-	503+50	513+50	RT	1000			505+00	513+50	12	15	50		1			1	1											
-L-	499+50	515+50	LT	1600			514+00	499+50	12	15	50		1			1	1											
-L-	518+58.50	520+26.00	MED	275			519+27.25	519+57.25	32	35	50		3							4				2	*			
-L-	531+75	535+00	RT	325			533+25	535+00	12	15	50		1			1	1											
-L-	530+50	534+50	LT	400			533+00	530+50	12	15	50		1			1	1											
-RPB-	1+05	22+50	LT	2145			21+00	1+05	12	15	50		1			1	1											
-L-	540+50	-RPC- 15+50	RT	1900			542+00	15+50	12	15	50		1			1	1											
-LPC-	3+32.35	-L- 564+67.65	SB-RT	300			564+67.65		6	9	50		1				1	1										
-L-	562+55.15	564+67.65	SB-LT	212.5			564+67.65		4	35	156.25		10.417					1	1									
-L-	566+31.65	574+75.98	SB-RT	844.33			566+31.65	574+75.98	6	9	300		6					1										
-L-	566+31.65	574+75.98	NB-LT	844.33			574+75.98	566+31.65	6	9	300		6					1										
-L-	566+31.65	568+44.15	NB-RT	212.5			566+31.65		4	35	156.25		10.417					1	1									
-L-	564+20	564+67.65	NB-LT	47.65				564+67.65	6	9						1		1										
-Y1-	17+04.21	18+66.71	RT	162.50			18+66.71		4	7	93.75		1.875				1	1										
-Y1-	21+41.46	22+16.46	RT	75				21+41.46	4	7	50		1				1	1										
-Y1-	17+91.71	18+66.71	LT	75				18+66.71	4	7	50		1				1	1										
-Y1-	21+41.46	23+03.96	LT	162.5			21+41.46		4	7	93.75		1.875				1	1										
-L-	483+42.82	484+64.46	LT	121.64					12	15	50		1				1											COMPLETE INSTALLATION FOR NCDOT PROJ. R-2417AB
			SUBTOTAL	10702.95												7	12	10	2	4				2				
	ANCHOR DEDUCTIONS:		B-77 - 4 @ 18.75' = -75'																									
			CAT-1 - 7 @ 6.25' = -43.75'																									
			GRAU-350 - 12 @ 50' = -600'																									
			M 350 - 2 @ 37.5' = -75'																									
			TYPE III - 10 @ 18.75' -187.50'												ADDITIONAL GUARDRAIL POSTS = 20 EA													
			TOTAL	9721.70																								
			SAY	9750																								

DOUBLE FACED GUIDERAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH	ANCHOR UNITS
-L-	484+64.47	518+12.50	MED RT	3348.03	4
-L-	520+72.00	564+47.65	MED LT	4375.65	6
-L-	566+51.65	574+75.98	MED RT	824.33	2
			SUBTOTAL	8548.01	12
	ANCHOR DEDUCTION		12 @ 25' =	-300'	
			TOTAL	8248.01	
			SAY	8400	

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	AREA (SQ YD)
-Y1-	14+22.79	21+91.12	CL	1155.52
-Y2-	14+15	18+70	CL	882.52
-Y3-	37+90	38+46	RT	237.49
-Y3-	38+70	49+59	RT	1792.66
-Y3-	41+73	42+25	LT	1900.66
-DET-	1+75.94	15+26.25	CL	2300.77
			TOTAL	8269.62
			SAY	8700

SHOULDER DRAIN SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	4" SHOULDER DRAIN PIPE	SHOULDER DRAIN	OUTLET		OUTLET STRUCTURE	
						4" PIPE	STA	NO.	CONC. PAD
-L-	528+90	532+90	RT	400'	400'	18.5'	532+90	47	
			TOTAL	400'	400'	18.5'			
			SAY	400'	400'	18.5'			

10-AUG-2004 11:59
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APridgen
ATERRY_2

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