COMPUTED BY:	JDG	DATE:	5/28/2014
CHECKED BY:	SCL	DATE:	9/29/2014

PROJECT NO.	SHEET NO.
R-4903	3B-2

RD223

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

2'-6" CURB AND GUTTER

LINE	STATION	STATION	LOC	FT
-LPB-	11+62.00	18+38.00	LT	636
-LPD-	11+50.00	17+88.00	LT	595
			TOTAL:	1231
			SAY:	1,240

1'-6" CURB AND GUTTER

LINE	STATION	STATION	LOC	FT
-L-	32+80.00	37+79.00	LT	499
-L-	32+80.00	37+79.00	RT	500
-L-	42+26.00	51+09.00	LT	889
-L-	42+26.00	51+09.00	RT	889
-L-	55+49.00	62+14.00	LT	670
-L-	55+49.00	62+14.00	RT	670
-LPB-	16+52.00	17+99.00	RT	159
-RMPB-	24+12.00	25+63.00	LT	159
-LPD-	16+37.00	17+48.00	RT	121
-RMPD-	21+01.00	22+18.00	LT	121
			TOTAL:	4677
			SAY:	5,560

SHOULDER BERM GUTTER

LINE	STATION	STATION	LOC	FT
-L-	65+30.00	65+30.00	RT	110
-Y02-	277+95.00	277+95.00	LT	55
-Y02-	278+10.00	278+10.00	MED RT	31
-Y02-	280+45.92	280+45.92	MED RT	29
-Y02-	280+55.96	280+55.96	LT	54
			TOTAL:	279
			SAY:	280

EXPRESSWAY GUTTER

LINE	STATION	STATION	LOC	FT
-RMPB-	20+00.00	23+50.00	RT	350
			TOTAL:	350
			SAY:	350

SUMMARY OF WOVEN WIRE FENCE

STATION	LOC. LT/RT/CL	FABRIC L.F.	END BRACE	CORNER BRACE	LINE BRACE	4" POSTS	5" POSTS
-L- 28+15 TO 42+88	RT	1,526	1	2	4	98	20
-L- 28+50 TO 34+87	LT	624	2	0	2	39	10
-L- 35+90 TO 40+36	LT	437	1	1	1	27	8
-L- 51+51 TO 63+00	LT	1,380	1	1	3	91	14
-L- 53+01 TO 63+90	RT	1,090	1	1	3	70	14
-RMPB- 23+61 TO 26+12	RT	263	0	0	0	19	0
-Y2- 261+30 TO -RMPB- 11+96	RT	348	0	1	1	22	6
-RMPD- 15+07 TO 22+68	RT	883	0	1	3	56	12
TOTAL:		6,552				422	84
SAY:		6,700				440	90

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

LINE	STATION	STATION	LOC LT/RT/CL	YD^2
-L-	17+78.00	28+80.44	LT	3,065
-L-	35+58.23	41+00.00	LT	2,056
-L-	41+00.00	46+00.16	LT	3,511
-L-	47+13.80	52+90.05	LT	3,339
-L-	63+16.17	64+27.37	LT	351
-L-	63+52.00	66+89.54	LT	975
-L-	67+36.00	73+09.00	LT	1,441
-Y01-	23+00.00	31+82.00	LT	2,138
-Y02-	271+04.00	277+05.00	MED. RT	721
-Y02-	278+16.00	280+68.00	RT	778
-Y02-	275+49.00	278+23.00	MED. LT	459
-Y02-	278+22.00	280+77.00	LT	1,232
-Y02-	280+74.00	281+79.00	LT	23
-Y03-	20+50.00	23+30.40	RT	97
-Y03-	20+50.00	24+00.70	LT	546
-Y03-	23+00.00	24+32.10	C	724
-Y03-	23+48.74	23+69.76	RT	2
-DET1-	10+00.00	15+20.00	C	738
-DET1-	14+25.00	18+83.00	RT	320
-DET1-	18+48.00	19+00.00	LT	95
-DET1-	19+62.00	30+09.00	C	1,410
-DET1-	19+66.34	20+34.76	RT	45
-DET1-	21+07.72	23+95.45	RT	424
-DET2-	10+00.00	16+44.00	C	833
-DET2-	16+33.93	19+57.00	LT	23
-DET2-	17+78.00	19+77.00	RT	190
-DET2-	20+38.00	20+79.00	RT	74
-DET2-	21+23.75	22+05.81	LT	4
-DET2-	24+75.00	30+68.00	C	824
			TOTAL:	26,439
			SAY:	27,800

"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 350NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

LINE	BEG. STA.	END STA.	LOC.	LENGTH STRAIGHT	LENGTH SHOP CURVED	LENGTH TEMPORARY STRAIGHT	WARRANT POINT APPR. END	WARRANT POINT TRAIL. END	"N" DIST. FROM E.O.L.	TOTAL SHLDR WIDTH	FLARE LENGTH APPR. END	FLARE LENGTH TRAIL. END	W APPR. END	W TRAIL. END	ANCHORS B-77	ANCHORS CAT-1	ANCHORS GRAU 350	ANCHORS M-350	ANCHORS TEMP. B-77	ANCHORS TEMP. CAT-1	ANCHORS TEMP. GRAU 350	IMP. ATTEN. TYPE 350 EA	IMP. ATTEN. TYPE 350 G	IMP. ATTEN. TYPE 350 NG	REMOVE EXISTING GRDRAIL	REMARKS
-L-	64+64.00	66+64.00	RT	200.00				66+64.00	8	11	50		1		1		1									
-L-	65+64.00	66+64.00	LT	100.00			66+64.00		8	11		50		1	1		1									
-L-	67+69.00	69+94.00	LT	225.00				67+69.00	8	11	50		1		1		1									
-L-	67+69.00	68+69.00	RT	100.00			67+69.00		8	11		50		1	1		1									
-Y02- / -RMPB-	259+25.00	12+75.00	RT	625.00			260+50.00	11+75.00	12 / 14	15 / 17	50		1			1	1									
-Y02-	275+89.06	278+61.05	RT	275.00				278+61.05	6	9	50		1		1		1									
-Y02-	276+72.58	278+65.03	MED RT	193.75				278+65.03	4	7	37.5	100	4	6	1			1								
-Y02-	280+27.42	282+20.17	MED LT	193.75				280+27.42	4	7	37.5	125	4	8.33	1			1								
-Y02-	280+32.12	283+00.40	LT	268.75				280+32.12	6	9	50		1		1		1									
-Y02-	283+72.78	288+75.12	RT	506.25			285+00.00	287+50.00	12	15	50		1			1	1									
-RMPD-	16+46.71	19+87.63	RT	343.75			17+75.00	18+50.00	14	17	50		1			1	1									
-L-	65+76.62	66+90.59	LT																						117	
-L-	67+40.60	68+54.78	LT																						117	
-Y02-	260+50.05	263+98.53	RT																						351	
-Y02-	263+78.97	266+44.26	MED RT																						266	
-Y02-	282+73.40	286+01.81	LT																						327	
-Y02-	286+37.77	289+03.73	MED LT																						266	
-DET2-	20+47.90	22+37.75	RT		102.33	143.75	22+13		4	7	50		1						1		1					Temporary Guardrail, See TMP Plans
-DET2-	20+64.81	22+41.78	LT		144.42	168.75		22+17	6	9		6.25		4					1	1						Temporary Guardrail, See TMP Plans
		SUBTOTAL		3,031.25	246.75	312.50									8	3	9	2	2	1	1				1,445	
		ANCHOR DEDUCTIONS																								
		GRAU-350	9 @ 50'	450.00																						
		B-77	8 @ 18.75'	150.00																						
		CAT-1	3 @ 6.25'	18.75																						
		M-350	2 @ 37.50'	75.00																						
		TEMP. GRAU-350	1 @ 50'			50.00																				
		TEMP. B-77	2 @ 18.75'			37.50																				
		TEMP. CAT-1	1 @ 6.25'			6.25																				
			TOTAL	2,337.50	246.75	218.75																				
ADDITIONAL GUARDRAIL POSTS = 25 EA			SAY	2,450	275	225																		SAY	1,500	