COMPUTED BY: VBB DATE: 5/24/14
CHECKED BY: DWG DATE: 1/23/15

PROJECT REFERENCE NO.	SHEET NO.
R-2514D	3B-3

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF QUANTITIES

GUARDRAIL SUMMARY

"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

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			SINGLE FACED CONC BARRIER		REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350	M-350	CAT-1	B-77	IAU		TERMINAL END SECTION			PERMITTED					
																							NO.	G	NG				
-Y10-	18+37.50	20+68.75	RT	231.25			20+50.00		12	15	50				1		1												OVERHEAD SIGN ASSEMBLY
-Y10-	25+54.65	27+42.15	RT	187.50				27+42.15 (BRIDGE)			50				1			1											
-Y10-	25+66.23	27+41.23	MED RT	175.00				27+41.23 (BRIDGE)	4	7	37.5					1		1											
-Y10-	25+88.51	27+38.51	MED LT	150.00			27+38.51 (BRIDGE)		4	7		37.5	6			1		1											
-Y10-	29+37.50	30+00.00	LT	62.50				29+37.50 (BRIDGE)	6	9				8				1											FLARE LENGTH INCLUDES GR ON -Y10RPA-
-Y10-	29+37.50	30+00.00	MED LT	62.50				29+37.50 (BRIDGE)	4	7			6					1											FLARE LENGTH INCLUDES GR ON -Y10RPA-
-Y10-	29+37.50	30+00.00	MED RT	62.50			29+37.50 (BRIDGE)		4	7								1											
-Y10LPA-	23+38.14	24+13.14	RT	75.00			24+13.14		4	7	37.5					1													
-Y10RPA-	15+09.61	18+34.61	RT	325.00			16+59.61	18+34.61	6	9	50		5		1			1											
-Y10RPA-	15+08.30	18+45.80	LT	337.50			15+08.30	18+45.80	4	7			10					1											
-Y10RPA-	27+64.50	38+02.00	RT	1037.50			38+02.00	29+14.50	14	17	50				1														
-Y10RPA-	37+14.50	38+02.00	LT	87.50			38+02.00		4	7		37.5				1													
-Y10RPD-	10+00.00	20+78.34	RT																									1165	
-L-	620+95.72	630+35.00	LT																									319	
-L-	621+33.60	623+35.00	MED LT																									202	
-L-	621+11.78	623+35.00	MED RT																									224	
-L-	620+11.44	623+82.94	RT																									372	
-L-	626+32.17	627+77.03	RT																									145	
			SUB-TOTAL	29891.14											20	34	13	74					5	X	X			2427	
	LESS DEDUCTIONS FOR ANCHORS																												
			GRAU-350 20 @ 50'	-1000																									
			M-350 34 @ 37.5'	-1275																									
			CAT-1 13 @ 6.25'	-81.25																									
			TYPE B-77 74 @ 18.75'	-1387.50																									
			IMPACT ATTENUATOR 5 @ 21.00'	-105.00'																									
			PROJECT TOTAL	26042.39											20	34	13	74					5	X	X	711		2427	
			SAY	27300																						720		2450	
	ADDITIONAL GUARDRAIL POSTS = 30 EA.																												

DOUBLE FACED CABLE GUIDERAIL SUMMARY

SURVEY LINE	STATION	STATION	LENGTH	END ANCHOR UNIT	INTERMEDIATE ANCHOR UNIT	EXISTING GUIDERAIL REMOVAL	COMMENTS
-L-	300+00	317+33	1733	2			
-L-	323+45	336+60	1315	2			
-L-	339+38	360+49	2111	2	1		
-L-	366+30	368+27	197	2			
-L-	377+78	380+92	314	2			
-L-	398+03	425+65	2762	2	1		
-L-	431+46	523+58	9212	2	5		
-L-	529+83	558+40	2857	2	1		
-L-	563+92	610+11	4619	2	3		
-L-	613+28	621+37	809	2			
-Y10-	18+22	19+05				83	
-Y10RPD-	10+01	24+45				1478	
		SUBTOTAL:	25929	20	11	1561	
LESS TERMINAL ANCHOR UNITS			-500				
		GRAND TOTALS:	25429			1561	
		SAY:	26000	20	11	1600	

ADDITIONAL GUIDERAIL POSTS = 50 EACH

WOVEN WIRE FENCE, 47" FABRIC

STATION TO STATION	LOC. LT/RT	47" FABRIC LF	4" POSTS	5" POSTS	STATION TO STATION	LOC. LT/RT	47" FABRIC LF	4" POSTS	5" POSTS
-L- 291+54.50 TO 319+34.02	LT	2,801.92	183	32	-Y3- 14+50.00 TO 19+60.00	LT	510.00	30	11
-L- 337+72.38 TO 363+20.00	LT	2,518.60	164	29	-Y3- 14+50.00 TO 24+06.27	RT	956.27	61	14
-L- 364+46.00 TO 371+00.00	LT	658.57	38	17	-Y3-23+93.87 TO 24+96.54	RT	102.68	4	6
-L- 375+40.00 TO 383+50.00	LT	1,029.48	63	20	-Y3- 32+82.00 TO 35+33.00	RT	251.00	16	4
-L- 395+20.00 TO 428+45.00	LT	3,668.54	228	62	-Y3- 33+28.00 TO 35+33.00	LT	203.98	10	8
-L- 429+60.00 TO 523+16.00	LT	9,402.38	617	100	-Y3RPA- 10+60.90 TO 30+59.02	RT	2,048.88	133	24
-L- 525+32.00 TO 560+40.00	LT	3,528.13	229	43	-Y3RPD- 10+00.00 TO 24+45.24	LT	1,690.07	111	18
-L- 561+85.00 TO 610+10.00	LT	4,869.32	317	56	-Y4- 26+15.34 TO 27+23.34	LT	108.98	7	2
					-Y4- 26+56.54 TO 27+49.12	RT	83.71	5	2
-L-290+88.22 TO 319+02.72	RT	2,804.19	184	30	-Y4- 28+41.92 TO 29+39.61	LT	98.81	6	2
-L- 338+28.06 TO 362+30.00	RT	2,434.19	159	27	-Y4- 28+67.70 TO 29+74.54	RT	108.20	7	2
-L- 363+57.00 TO 371+00.00	RT	775.18	46	18	-DRV3- 17+46.66 TO 19+92.24	RT	255.00	17	2
-L- 375+70.00 TO 388+50.00	RT	905.64	56	15	-Y5-11+16.16 TO 12+29.81	LT	110.95	7	2
-L-395+20.00 TO 427+65.00	RT	3,395.75	215	51	-Y5-11+65.70 TO 12+58.54	RT	95.55	6	2
-L- 428+62.00 TO 528+13.00	RT	9,951.15	647	117	-Y5- 13+47.10 TO 14+48.30	LT	101.21	6	2
-L- 530+77.00 TO 560+40.00	RT	3,029.87	184	60	-Y5- 13+79.17 TO 14+75.74	RT	96.58	6	2
-L- 561+85.00 TO 601+10.00	RT	3,917.63	257	42	-Y6-12+36.92 TO 13+77.63	RT	140.71	9	2
-L-622+00.00 TO 624+20.00	RT	329.81	19	8	-Y6-14+30.76 TO 15+79.99	LT	149.30	10	2
-L-626+10.00 TO 626+25.00	RT	367.69	22	8	-Y6- 16+35.99 TO 17+90.54	RT	154.55	10	2
					-Y6- 18+38.35 TO 20+38.49	LT	200.20	13	2
					-Y7-15+57.96 TO 16+46.60	RT	92.74	6	2
					-Y7-15+67.11 TO 16+49.14	LT	87.36	5	2
					-Y7- 17+60.69 TO 18+37.89	RT	84.97	5	2
					-Y7- 17+63.18 TO 18+57.11	LT	97.28	6	2
					-Y10RPC- 10+00.00 TO 25+41.37	RT	1,391.53	90	17
					-Y10RPA- 20+73.88 TO 38+02.02	RT	2,298.29	148	29
					-Y10RPA- 15+00.00 TO 18+69.59	RT	598.62	33	17
TOTALS		56388.04	3626	735	TOTALS		12117.42	766	182
					PROJECT TOTALS		68505.46	4392	917
					SAY		71900	4610	960

5/28/99
3/30/2015
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