COMPUTED BY: HLE DATE: 10/20/2015
CHECKED BY: SKR DATE: 9/27/2016

PROJECT REFERENCE NO.	SHEET NO.
U-3633	3B-1

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	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	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	AT-1	GRAU 350 TL-3	GRAU 350 TL-2	CAT-1	TYPE III	M-350	VI MOD	BIC	EA	G	NG				
-L-	26+50.00	29+00.00	RT	250.00'			27+50.00	29+00.00	10' BERM	14' BERM	50'		1'			1		1											
-L- /-Y5-	32+00.00	18+60.00	RT /RT	480.00'	75'		33+00.00	18+00.00	10' BERM	14' BERM	50'	37.50'	1'	0.75'		1	1												
-Y5-	18+12.50	19+00.00	LT	87.50'			18+50.00		2'	7'	37.50'	37.50'	0.75'	0.75'			2												
-Y5- /-L-	17+88.00	41+40.00	LT /RT	412.50'	62.50'		17+88.00	41+40.00	10' BERM	14' BERM					1			1											
-Y6-	13+15.00	14+15.00	LT	100.00'			13+65.00		4'	7'	37.50'	37.50'	0.75'	0.75'			2												
-Y6-	13+15.00	14+15.00	RT	100.00'			13+65.00		4'	7'	37.50'	37.50'	0.75'	0.75'			2												
-L-	43+00.00	46+50.00	RT	350.00'			44+00.00		10' BERM	14' BERM	50'		1'			1		1											
-L-	46+87.50	47+87.50	RT	100.00'					10' BERM	14' BERM	50'		1'			1		1											
-L-	48+23.50	57+50.00	RT	837.50'	112.50'			57+50.00	10' BERM	14' BERM	50'		1'			1		1											
-L-	53+12.50	57+00.00	LT	387.50'			56+00.00	53+12.50	10' BERM	14' BERM	50'		1'			1		1											
-L-	74+81.00	74+94.00	LT						10' BERM	14' BERM																	38'		
			TOTAL	3105.00'	250.00'										1	6	7	6									38'		
			LESS DEDUCTION FOR ANCHOR UNITS																										
			(TYPE AT-1) 1 @ 6.25' =	-6.25'																									
			(GRAU 350 TL-3) 6 @ 50.00' =	-300.00'																									
			(GRAU 350 TL-2) 7 @ 25.00' =	-175.00'																									
			(TYPE CAT-1) 6 @ 6.25' =	-37.50'																									
			GRAND TOTAL	2586.25'	250.00'																						38'		
ADDITIONAL GUARDRAIL POSTS 10 EACH			SAY	2600.00'	250.00'																						40'		

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
-Y1-	10+34.81	11+00.00	CL	123.90
-L-	26+07.02	34+31.37	CL	2005.5
-L-	28+39.00	36+37.55	LT	1103.10
-Y-	17+03.45	18+42.97	LT	15.50
-Y4-	10+15.76	10+75.00	CL	207.80
-Y5-	16+89.91	19+25.00	CL	680.10
-L-	36+82.50	41+07.08	LT	294.30
-Y6-	10+00.00	10+57.00	CL	262.10
-Y6-	13+00.00	14+15.00	CL	247.00
-L-	50+00.00	54+00.00	LT	1122.40
-L-	56+77.23	59+04.45	CL	158.20
-Y8-	10+16.24	10+43.01	CL	171.00
-Y9-	12+24.82	12+40.87	CL	55.70
-Y10-	10+26.53	10+81.43	CL	180.70
-Y11-	14+00.37	14+50.61	RT	79.30
-Y12-	13+14.27	13+77.90	LT	196.10
	TEMPORARY	PAVEMENT		
-Y6-	12+26.00	13+00.00	LT	42.10
-Y6-	13+00.00	14+15.00	LT	129.40
-Y6-	14+15.00	14+89.00	LT	42.10
-L-	20+04.00	26+49.00	CL	1132.50
-L-	26+57.00	31+01.00	LT	171.00
-L-	31+61.00	32+79.00	CL	43.70
			TOTAL:	8463.60
			SAY:	8500

12/06/07

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