COMPUTED BY: ACP DATE: 8/1/19
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8/17/99

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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PROJECT REFERENCE NO.	SHEET NO.
R-2561CA	3B-2

"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 TL-3			REMOVE EXISTING GUARDRAIL			REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GREU TL-3	CAT-1	B-77						EA	G	NG				
-L-	54+48.80	55+02.00	LT MED.	53.20'				55+02.00	20'	6'							1						1		X				
-L-	55+52.00	56+05.94	LT MED.	53.94'			55+52.00		20'	6'							1						1		X				
-L-	54+48.80	55+02.00	RT MED.	53.20'			55+02.00		20'	6'							1												
-L-	55+52.00	56+05.94	RT MED.	53.94'					20'	6'							1												
-L-	66+90.26	68+90.26	LT	200.00'				68+90.26	8'	13'		127.125'		2.54'		1	1												
-L-	71+60.26	74+22.76	LT	262.50'			71+60.26		8'	13'	189.625'		3.79'		1		1												
-L-	71+69.91	74+32.41	LT MED.	262.50'			71+69.91		4'	6'	189.625'		3.79'		1		1												
-L-	67+92.68	70+42.68	RT	250.00'			70+42.68		7'	13'	177.125'		3.54'		1		1												
-L-	71+92.68	74+30.18	RT	237.50'				71+92.68	7'	13'		164.625'		3.29'		1	1												
-L-	67+80.09	70+30.09	RT MED.	250.00'			70+30.09		4'	6'	177.125'		3.54'		1		1												
-Y-	14+96.09	16+46.09	LT	150.00'				16+46.09	4.17'	11'		77.125'		1.54'	1		1												
-Y-	17+34.12	20+46.62	LT	312.50'			17+34.12		4.17'	11'	191.50'		3.47'		1		1												
-Y-	13+89.18	16+51.68	RT	262.50'			16+51.68		5'	11'	150.00'		3.36'		1		1												
-Y-	17+40.23	18+90.23	RT	150.00'				17+40.23	5'	11'		77.125'		1.54'	1		1												
-Y-	31+24.47	33+11.97	LT	187.50'				33+11.97	5'	11'		114.625'		2.29'	1		1												
-Y-	34+97.79	38+10.29	LT	312.50'			34+97.79		5'	11'	150.00'		3.00'		1		1												
-Y-	29+93.15	33+05.65	RT	312.50'			33+05.65		5'	11'	150.00'		3.00'		1		1												
-Y-	34+91.47	44+78.97	RT	987.50'				43+78.97	5'	11'		150.00'		3.00'	1		1												
			SUBTOTALS	4351.78'											12	2	18						2						
LESS DEDUCTIONS FOR ANCHORS			GREU TL-3 12 @ 50=	-600'																									
			TYPE B-77 18 @ 22.875=	-411.75'																									
			CAT-1 2 @ 6.25=	-12.5'																									
			PROJECT TOTALS	3327.53'											12	2	18						2						
ADDITIONAL GUARDRAIL POSTS = 20 EA.			SAY	3400'																									

ASPHALT PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SQUARE YARDS
-L- (EBL)	69+81.00	72+31.00	RT	881.29
-Y-	15+98.00	17+88.00	LT/RT	575.01
-Y3-	10+12.04	13+47.73	LT	1513.11
-YDET-	20+34.76	33+75.76	LT/RT	2855.49
-YDET-	34+95.55	52+65.37	LT/RT	3736.75
			TOTAL:	9,561.65
			SAY:	9,600

BREAKING OF EXISTING ASPHALT PAVEMENT SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SQUARE YARDS
-Y-	23+00.00	33+53.28	LT/RT	3276.87
-Y-	33+78.04	46+50.00	LT/RT	3957.21
			TOTAL:	7,234.08
			SAY:	7,300

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	LOC.	STATION	STATION	LENGTH
-L-	LT	66+96.51	68+66.75	170.24
-L-	RT	68+42.30	70+17.92	175.62
-L-	LT	71+85.03	73+72.76	187.73
-L-	RT	72+16.22	74+23.96	207.74
-Y-	RT	14+39.17	16+36.24	197.07
-Y-	RT	17+54.84	18+40.23	85.39
-Y-	RT	30+43.15	32+90.98	247.83
-Y-	LT	31+74.47	32+96.65	122.18
-Y-	RT	35+06.80	44+28.93	922.13
-Y-	LT	35+12.47	37+60.29	247.82
			TOTAL:	2563.75
			SAY:	2600

PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED

SURVEY LINE	LOCATION LT/RT/MED	STATION	STATION	LENGTH
-L-	LT MED	55+02.00	55+52.00	50.00'
-L-	RT MED	55+02.00	55+52.00	50.00'
			TOTAL:	100.00'
			SAY:	100.00'

WOVEN WIRE FENCE, 47" FABRIC

SURVEY LINE	STATION TO STATION	LOC. LT/RT	47" FABRIC LF	4" POSTS	5" POSTS
-Y2-/-RPB-/-L-/-Y-	13+31.18 TO 43+49.00	LT	3098.35	198	43
-Y-	44+09.00 TO 48+00.00	LT	391.00	24	7
-Y-/-L-	48+00.00 TO 65+57.00	LT	2231.56	141	34
-L-/-Y4-	66+17.00 TO 12+75.00	LT	2018.22	131	25
-L-/-Y-	44+00.00 TO 29+63.76	RT	1413.33	91	19
-Y-/-RPD-	26+00.00 TO 18+33.51	RT	737.09	46	13
-RPD-/-L3-	17+74.39 TO 90+00.00	RT	2801.26	178	40
-L1-/-Y3-	25+39.00 TO 11+85.00	RT	244.79	12	10
	TOTALS		12,935.60	821	191
	SAY		13,000	830	200

(-RPD- STA. 18+02.00 LT. DOUBLE GATE 2 @ 12')

CABLE GUIDERAIL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION	ANCHORS	LENGTH (FT.)
-L-	28+35.00	54+03.00	RT MED	4	2568.00
-L-	56+53.00	68+80.00	LT MED	2	1227.00
-L-, -L4-	72+00.00	84+75.00	MED	2	1275.00
LESS TERMINAL ANCHOR UNITS (6 @ 25')=					-150.00
			GRAND TOTALS:	8	4920.00
			SAY:	8	5000
ADDITIONAL GUIDERAIL POSTS = 10 EACH					

7/1/2022
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