COMPUTED BY: RHT DATE: 11/21/17
CHECKED BY: CRG DATE: 11/30/17

PROJECT REFERENCE NO.	SHEET NO.
R-2501C	3B-1

"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

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	GREU, TL-3	CAT-1							NO.	PERMITTED G	PERMITTED NG				
-L-	1163+13.38	1165+00.88	LT.	187.50			1164+99.96	1163+13.38	10.0	13.0	50	-	1	-	1	1													
-L-	1200+50.0	1203+62.5	LT.	312.5			1203+62.5	1200+50.0	10.0	13.0	50	-	1	-	1	1													
-L-	1205+00.0	1208+62.5	LT.	362.5			1208+62.5	1205+00.0	10.0	13.0	50	-	1	-	1	1													
	LESS ANCHOR DEDUCTIONS																												
	GREU, TL-3	3 @ 50.0	=	(-) 150.0																									
	CAT-1	3 @ 6.25	=	(-) 18.75																									
			TOTAL	693.75											3	3													
			SAY	700											3	3													
	(5 ADDITIONAL GUARDRAIL POST)																												

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L-	1200+59.00	1202+89.00	230'
		TOTAL:	230'
		SAY:	230'

EXPRESSWAY GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L-	1170+80.00	1171+15.00	35.00'
-L-	1171+32.00	1173+04.50	172.50'
-L-	1173+20.85	1175+72.72	251.87'
-L-	1175+93.94	1178+80.41	286.47'
-L-	1178+97.94	1182+50.75	352.81'
-L-	1182+66.87	1184+00.00	133.13'
		TOTAL:	1231.78'
		SAY:	1,300'

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
-L-	1167+50	1181+00	CL	5977.56
-L-	1261+00	1267+30	RT	2662.05
-L-	1267+82	1273+95	RT	1540.70
-L-	1274+82	1292+80	RT/CL	11643.38
-Y4-	10+00	13+00	CL	1203.86
-Y-	10+21	11+38	CL	364.06
-Y1-	10+47	12+03	CL	393.75
-L DETOUR-	10+00	35+16	CL	5691.00
			TOTAL:	29476.36
			SAY:	29,500

SUMMARY OF EXISTING CONCRETE PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD^2
-Y-	11+41.08	11+63.99	LT	1273.08
-Y-	11+42.73	11+62.67	RT	1234.98
			TOTAL:	2508.06
			SAY:	2550

NOTE: Approximate quantities only. Unclassified Excavation, Shoulder Borrow, Fine Grading, Clearing and Grubbing, Removal of Existing Asphalt Pavement, and Removal of Existing Concrete Pavement will be paid for at the contract lump sum price for "Grading."

6/16/99
28-FEB-2018 15:24
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