COMPUTED BY: T. A. HARRIS DATE: 05/24/13
CHECKED BY: D. W. GARDNER DATE: 09/10/13

PROJECT REFERENCE NO.	SHEET NO.
B-4953	3B-2

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	GRAU 350	TYPE III	GRAU 350 TL-2						EA	G	NG				
-L-	STA. 15+15.88	STA. 15+65.88	LT.	50.00				STA. 15+65.88	3.25	6						1	1												
-L-	STA. 14+84.63	STA. 15+65.88	RT.	81.25			STA. 15+65.88		3.25	6	62.50		1.25		1	1													
-L-	STA. 16+38.13	STA. 16+88.13	LT.	50.00			STA. 16+38.13		3.25	6						1	1												
-L-	STA. 16+38.13	STA. 16+88.13	RT.	50.00				STA. 16+38.13	3.25	6						1	1												
			SUB-TOTAL	231.25											1	4	3												
	LESS DEDUCTIONS FOR ANCHORS		GRAU-350 1@50 =	-50																									
			TYPE TL-2 3@25 =	-75																									
			TYPE III 4@18.75 =	-75																									
			PROJECT TOTAL	31.25											1	4	3												
ADDITIONAL GUARDRAIL POSTS = 5 EA.			SAY	50																									

ASPHALT PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SQUARE YARDS
-L-	14+00.00	15+71.21	LT/CL/RT	347.14
-L-	16+31.58	17+50.00	LT/CL/RT	238.05
			TOTAL:	585.19
			SAY:	620

Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

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

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	LINEAR FEET
-L-	15+41.00	15+54.88	LT	13.88
-L-	15+41.00	15+54.88	RT	13.88
			TOTAL:	27.76
			SAY:	30

6/21/00
17-OCT-2014 14:40
R:\Roadway\Proj\b4953_rdy_sum.dgn
$$$$USERNAME$$$$