12/06/07

COMPUTED BY: HLE	DATE: 10/12/2015
CHECKED BY: TRM	DATE: 11/30/2015

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B-4811	3B-1

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L-	16+87.42	17+50.00	62.58'
		TOTAL:	62.58'
		SAY:	63.0'

SUMMARY OF VARIABLE DEPTH MILLING (0" TO 3")

SURVEY LINE	LOCATION	STATION	STATION	SQ. YDS
-L-	CL	10+00.00	11+02.25	130.80
-L-	LT	11+27.17	11+61.57	35.10
-L-	LT	11+65.86	11+96.21	31.80
-L-	RT	11+42.54	11+84.15	52.90
-L-	CL	19+39.70	22+00.00	559.90
			TOTAL:	810.50'
			SAY:	820

SUMMARY OF PAVEMENT REMOVAL

SURVEY LINE	LOCATION	STATION	STATION	SQ. YDS
-L-	RT	10+50.00	11+42.55	35.75
-L-	RT	11+84.13	14+29.44	541.36
-L-	RT	16+63.89	20+48.41	551.60
-L- (TEMP)	RT	12+25.00	14+19.76	85.88
-L- (TEMP)	RT	16+61.32	18+75.00	94.80
			TOTAL:	1,309.38
			SAY:	1,310

SUMMARY OF EARTHWORK

LINE	STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
-L- LT & RT	10+00.00	11+75.00	23	2	0	21
-L- RT	10+00.00	11+75.00	6	71	65	0
-L- LT & RT	11+75.00	15+25.00	0	3,356	3,356	0
-L- RT	11+75.00	15+25.00	30	198	168	0
-L- RT	12+75.00	14+50.00	1,154	0	0	1,154
-L- TEMP	12+00.00	14+25.00	17	75	58	0
SUBTOTALS:			1,230	3,702	3,647	1,175
-L- LT & RT	15+25.00	18+75.00	6	7,240	7,234	0
-L- LT & RT	18+75.00	22+00.00	33	1,571	1,538	0
-L- RT	15+25.00	22+00.00	8	480	472	0
-L- RT	16+50.00	18+50.00	1,056	0	0	1,056
-L- TEMP	16+50.00	19+00.00	18	789	771	0
SUBTOTALS:			1,121	10,080	10,015	1,056
PROJECT SUBTOTALS:			2,351	13,782	13,662	2,231
WASTE IN LIEU OF BORROW					-21	-21
PROJECT TOTALS:			2,351	13,782	13,641	2,089
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					683	
GRAND TOTALS:			2,351		14,324	2,221
SAY:			2,400		14,400	

DRAINAGE DITCH EXCAVATION = 30 CY

NOTE: 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. FINE GRADING, UNCLASSIFIED EXCAVATION, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT, WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING".

"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	AT-1	CAT-1					EA	G	NG				
-L-	12+33.00	13+93.01	LEFT	158.63'				13+93.01	8'	11'					1	1											115.25'		GUARDRAIL REMOVAL LEFT SIDE EXISTING ROADWAY
-L-	12+81.50	14+09.08	RIGHT	117.79'	30.09'		14+09.08		8'	11'						1	1										127.50'		GUARDRAIL REMOVAL RIGHT SIDE EXISTING ROADWAY
-L-	16+39.71	20+50.00	LEFT	408.87'			16+39.71		8'	11'					1	1											390.1		GUARDRAIL REMOVAL LEFT SIDE EXISTING ROADWAY
-L-	16+63.40	20+48.82	RIGHT	386.88'				16+63.40	8'	11'					1	1											289.8'		GUARDRAIL REMOVAL RIGHT SIDE EXISTING ROADWAY
			SUBTOTAL	1,072.17'	30.09'										3	4	1										922.65'		
		DEDUCTION FOR GUARDRAIL ANCHOR =		-225.00'	-6.25'																								
				— — —																									
									(3) GRAU 350 @ 50' EACH =		150.00'																		
			GRAND TOTAL	847.17'	23.84'				(4) TYPE-III @ 18.75' EACH =		75.00'				3	4	1												
			SAY	850.00'	25.00'				(1) AT-1 @ 6.25' EACH =			6.25'			3	4	1												
											— — —	— — —																	
		ADDITIONAL GUARDRAIL POSTS = 5 EACH						DEDUCTION FOR GUARDRAIL ANCHOR =			225.00'	6.25'																	

TEMPORARY 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	AT-1	CAT-1	TEMP. W BEAM				EA	G	NG				
-L-	16+60 +/-	16+85 +/-	LEFT					16+50 +/-	8'	11'									2										SEE DETAIL 2C-2 /TMP-5
																			— — —										
			SUBTOTAL																2										
		GRAND TOTAL																	2										
		SAY																											

26-JAN-2016 13:52
R:\Roadway\Proj\B4811_Rdy_sum.dgn
$$$$USERNAME$$$$