COMPUTED BY:
 WAD
 DATE:
 3/25/14

 CHECKED BY:
 AKW
 DATE:
 3/4/2015

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. SHEET NO. U-5305 3B-1

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
-EY1A-	10+12	11 + 75	CL	434.67
-EY1A-	14 + 25	14 + 49	CL	305.11
-L-	19 + 09	20 + 57	RT	468.67
			TOTAL:	1208.44
			SAY:	1210.00

SUMMARY OF BREAKING EXISTING ASPHALT PAVEMENT

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
-EY1A-	11 + 75	14 + 25	CL	666.67
			TOTAL:	666.67
			SAY:	670.00

SUMMARY OF EARTHWORK

		<u> </u>									
STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE						
-L- STA 9+00.00	_L_ STA 22+68.54	2218	1081		1137						
-Y1- STA 10+80.00	-Y1- STA 27+29.50	988	3312	2324							
-Y2- STA 17+60	-Y2- STA 27+10	444	1469	1025							
EY1A STA 10+12	_EY1A_ STA 14+25	162	4231	4069							
то	TAL	3812	10093	7418	1137						
SHOULDER MATERIAL			628	628							
WASTE IN LIEU OF	BORROW			– 1137							
PROJECT	TOTALS:	3812	10721	6909							
EST. 5% TO REP. TO	DPSOIL ON BOR. PIT			345							
GRAND	TOTALS:	3812	10721	7254							
SA	I AY:	4010		7620							

DDE = 11 CY
UNDERCUT (CONTINGENCY) = 700 CY
SHALLOW UNDERCUT (CONTINGENCY) = 150 CY
SELECT GRANULAR MATERIAL = 700 CY
CLASS IV SUBGRADE STABILIZATION = 300 CY

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, Borrow Excavation, Fine Grading, Clearing and Grubbing, Breaking of Existing Pavement, 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	DEC STA	END CTA	LOCATION	LENGTH		WARRANT POINT		"N" DIST.	TOTAL	FLARE LENGTH		w		ANCHORS			IMPACT ATTENUATO	R SINGLE REMOVE				
LINE	BEG. STA.	END STA.	LOCATION	STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM E.O.L.		APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350 TL-3 AT-1	GRAU 350 TL–2	TES		TYPE 350	FACED EXISTING GUARDRAIL G	EXISTING GUARDRAIL	REMARKS
Y1	18 + 25.00	20+00.00	RT	175			18+25.00	20+00.00	8	11	50	50	1	1	2							
Y1	18 + 50.00	20+15.00	LT	126	50		20+15.00	18 + 50.00	8	11		50		1	1 1							
-EY1A-	12 + 05.00	13 + 48.00	RT	143			12 + 34.00	13 + 42.00	8	11					1	1						
-EY1A-	13 + 49.75		CL	40													2					PAVEMENT AND ROAD ENDS
			SUBTOTAL	484	50																	
		DEDUCTION FO	R ANCHOR UNITS																			
		TYPE GRAU 350	TL-3 3 @ 50 FT	_150.00																		
		TYPE GRAU 350	TL-2 1 @ 25 FT	-25.00																		
		TYPE A	Г–1 2 @ 6.25 FT	-12.50																		
			TOTAL DEDUCTIONS	_187.50																		
			PROJECT TOTAL	296.50	50										3 2	1	2					
DDITIONAL	GUARDRAIL POST =	5 EA	SAY	300	50										3 2	1	2					