

COMPUTED BY: JRC DATE: 6/15/2021
 CHECKED BY: VJR DATE: 9/8/2021

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

PROJECT NO. SHEET NO.
 Y-5500JC 3B-1

SUMMARY OF EARTHWORK
 IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- 13+25.00 TO 43+25.00	100108		65029		35079
-L- 43+25.00 TO 53+00.00	3841		2797		1044
-Y1- 10+11.05 TO 18+55.54	167		455	288	
-Y2- 10+11.00 TO 11+40.00	460		1		459
SUBTOTAL	104576		68282	288	36582
PROJECT SUBTOTAL	104576		68282	288	36582
WASTE IN LIEU OF BORROW				-288	-288
LOSS DUE TO CLEARING & GRUBBING					-850
PROJECT TOTAL	104576		68282		35444
GRAND TOTAL	104576		68282		35444
SAY	116,000				0

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

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Note: Earthwork quantities are calculated by the Mott MacDonald. These quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

EST. DDE = 3520 CUBIC YARDS
 EST. SHALLOW UNDERCUT = 100 CUBIC YARDS
 EST. ADDITIONAL UNDERCUT = 450 CUBIC YARDS
 EST. CLASS IV SUBGRADE STABILIZATION = 200 TONS

SUMMARY OF EXISTING
 ASPHALT PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SQUARE YARDS
L	17+03.08	17+36.09	RT	19.50
Y1	18+81.54	19+16.00	CL	88.58
Y1	19+56.41	19+82.72	CL	66.26
Y2	10+01.07	10+94.08	LT	363.58
Y-5500JC TOTAL				537.91
Y-5500JC SAY				565

SUMMARY OF
 SHOULDER BERM GUTTER

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	LENGTH
-L-	30+94.99	36+75.00	RT	580.01
TOTAL				580.01
SAY				610

GUARDRAIL SUMMARY

SURVEY LINE	BEGIN STATION	END STATION	LOCATION	LENGTH (LF)			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-2	TYPE III	CAT-1		NO.	PERMITTED	
-L-	29+95.86	37+44.65	RT	750.00			31+50.00	36+40.00	5'	8'	25'	25'	1'	1'	2						
-L-	39+56.55	45+42.67	RT	587.50			40+60.00	44+15.00	5'	8'	25'	25'	1'	1'	2						
-L-	22+75.00	37+00.00	LT	1425.00			23+50.00	36+50.00	2'	10'	25'	25'	1'	1'	2						
-L-	41+25.00	44+25.00	LT	300.00			42+00.00	43+50.00	2'	10'	25'	25'	1'	1'	2						
-Y1-	18+96.01	18+96.01	CL	25.00			18+96.01	18+96.01													
-Y1-	19+78.47	19+78.47	CL	25.00			19+78.47	19+78.47													
SUBTOTAL				3112.5											8						
LESS ANCHOR DEDUCTIONS																					
GREU TL-2	8	X	25	200																	
ADDITIONAL POSTS:				5																	
TOTAL				2912.5											8						