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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.	SHEET NO.
B-4407	3B-1

SUMMARY OF EARTHWORK IN CUBIC YARDS

STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
-L- 11+50.00	-L- 29+68 (BEG. BR.)	5047	18323	13276	
	SUBTOTAL	5047	18323	13276	
-L- 34+93.00 (END BR.)	-L- 45+65.00	15727	7275		8452
-Y2- 10+22.00	-Y2- 12+43.96	217	1199	982	
-Y3- 10+25.00	-Y3- 13+20.32	294	1179	885	
	SUBTOTAL	16238	9653	1867	8452
TOTAL		21285	27976	15143	8452
LOSS DUE TO CLEARING AND GRUBBING		-400		400	
WASTE IN LIEU OF BORROW				-8452	-8452
MAT. FOR SHOULDER CONSTRUCTION			565	565	
WASTE/ CONSTRUCTION DEBRIS (PER GEOTECH REPORT)		360			360
PROJECT TOTALS:		21245	28540	7655	360
EST 5% TO REPLACE TOPSOIL				383	
GRAND TOTALS:		21245		8037	360
SAY:		21300		8040	

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."

UNDERCUT EXACAVATION = 1100 CY
SELECT GRANULAR MATERIAL = 3750 CY
DDE = 140 CY

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS					
LINE	LOCATION	ASPHALT REMOVAL	ASPHALT BREAK-UP	CONCRETE REMOVAL	CONCRETE REMOVAL
-L-	17+99 TO 22+50 LT	881			
-L-	22+50 TO 29+68 LT		1920		
-L-	34+93 TO 38+50 LT		512		
-L-	35+35 TO 36+15 LT	136			
-L-	36+84 TO 44+17 LT	1290			
-L-	17+83 TO 23+81 RT	527			
-L-	20+21 TO 26+53 LT	274			
-L-	35+09 TO 40+47 LT	85			
-Y3-	11+95 TO 12+79 LT		114		
-Y3-	11+95 TO 12+79 RT		109		
TOTAL		3193	2655		
SAY		3200	2660		

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH
-L- LT	29+18.00	29+44.94	26.9'
-L- RT	24+68.50	29+44.94	476.4'
		TOTAL:	503.3'
		SAY:	504'

"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	XI MOD	XI	GREU TL-3	M-350	B-77	CAT-1	VI MOD	BIC	AT-1	EA	G	NG				
-L-	24+17.98	29+68.53	RT	550.0'			24+17.98		4.92' - 8'	13'	50'		1'				1		1											
-L-	28+24.94	29+68.67	LT	150.0'				28+24.94	8'	13'		129'		2.8'			1		1									470'		
-L-	34+94.04	36+32.04	RT	125.0'	37.5'			36+32.04	4.92' - 8'	13'		100'		2'					1				1							20' R. SHOP CURVED GUARDRAIL
-L-	34+94.18	36+29.72	LT	62.5'	100.0'		36+29.72		4.92' - 6.25'	13'		62.5'		1'					1									383'		56' R. SHOP CURVED GUARDRAIL
-Y3-	10+48.92	12+48.09	RT	200.0'			10+48.92		4'	7'	50'		1'				1													
			SUBTOTAL	1087.5'	137.5'																									
			LESS DEDUCTIONS FOR ANCHORS																											
			AT-1 1 @ 6.25'	- 6.25'																										
			TYPE B-77 4 @ 22.875'=	- 91.5'																										
			GREU TL-3 3 @ 50.0'=	- 150'																										
			PROJECT TOTALS:	839.75'	137.5'												3		4				1					853'		
			SAY	850.0'	137.5'																									
			ADDITIONAL GUARDRAIL POSTS=5 EA.																											

PARCEL INDEX

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
1	4 & 5	GAYLE J COLE
2	5	CASSANDRA LEE STONE & JANE LEE WATSON
3	5 & 6	TOWN OF NORWOOD
4	5 & 6	TOWN OF NORWOOD
5	5	BILLY FRANKLIN LEE

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