

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

SUMMARY OF EARTHWORK IN CUBIC YARDS

STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE
-L-, LT 13+00.00	21+18.17	59	949	890	
-L-, LT 24+04.67	76+75.00	1,312	3,558	2,246	
-L-, RT 13+00.00	21+18.17	514	1,189	675	
-L-, RT 24+04.67	76+75.00	2,233	4,235	2,002	
SUBTOTAL:		4,118	9,931	5,813	
-Y5-, 10+36.76	13+00.00	27	617	590	
-Y10-, 10+44.35	12+36.31	251	186		65
-RPC-, 15+26.43	22+47.70	2,541	522		2,019
SUBTOTAL:		2,819	1,325	590	2,084
TOTALS:		6,937	11,256	6,403	2,084
MATERIAL FOR SHOULDER CONSTRUCTION			168	168	
WASTE IN LEIU OF BORROW				-2,084	-2,084
PROJECT TOTAL:		6,937	11,424	4,487	
EST 5% TO REPLACE TOP SOIL ON BORROW PIT				224	
GRAND TOTAL:		6,937	11,424	4,711	
SAY:		6,950		4,750	

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	LENGTH OR AREA (SF)	ASPHALT REMOVAL (SY)
-L-	17+07	19+69	CL	3675.00	408.33
-L-	33+53	35+25	LT	950.50	105.61
-L-	38+00	39+00	CL	1200.00	133.33
-L-	39+74	42+31	CL	3403.20	378.13
-L-	59+39	61+82	CL	3165.50	351.72
-L-	66+24	67+81	LT	476.10	52.90
				TOTAL:	1,430.40
				SAY:	1,440.00

NOTE:
 APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, BORROW EXCAVATION, AND REMOVAL OF EXISTING ASPHALT PAVEMENT WILL BE PAID FOR AT THE LUMP SUM PRICE FOR "GRADING".
 THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

GUARDRAIL SUMMARY

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

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS						TEMP. CRASH CUSHIONS			SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND RESET EXISTING GUARDRAIL	REMARKS			
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	B-77	GRAU 350	M-350	TEMP. W-BEAM RETROFIT	TYPE III	W-TR STEEL BEAM TRANS. SECT.	GREU TL-3	CAT-1					EA	G	NG
-L-	19+43.75	20+00.00	LEFT	56.25'				19+50.00	2'	4'																				
-L-	20+00.00	21+09.04 (BR.)	LEFT						2'	4'																	90'	RETAIN EXIST. TYPE III, REPLACE WTR SECTION		
-L-	19+12.18	21+30.93 (BR.)	RIGHT				21+30.93 (BR.)		7.25'	9.25'	150'		3'													150'	RETAIN EXIST. TYPE III, REPLACE WTR SECTION			
-L-	23+94.71 (BR.)	26+13.46	LEFT				23+94.71 (BR.)		2'	4'	150'		3'													150'	RETAIN EXIST. TYPE III, REPLACE WTR SECTION			
-L-	24+16.62 (BR.)	25+23.00	RIGHT					25+16.75	6.33'	8.33'		75'		1.5'												85'	RETAIN EXIST. TYPE III, REPLACE WTR SECTION			
SUBTOTAL				56.25'																										
LESS ANCHOR DEDUCTIONS:																														
CAT-1 1 @ 6.25'				-6.25'																										
ANCHOR DEDUCTION TOTAL:				-6.25'																										
PROJECT TOTAL				50'																										
SAY				50'																										
ADDITIONAL GUARDRAIL POST =				10 EA																										

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