

12/06/07

COMPUTED BY: ANK DATE: 1/28/2020
 CHECKED BY: DDM DATE: 1/28/2020

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. B-4863
 SHEET NO. 3B-1

SUMMARY OF EARTHWORK

IN CUBIC YARDS

STATION	STATION	TOTAL UNCL. EXCAV.	EMBANK. + %	BORROW	WASTE
-DETOUR- PHASE 1					
10+03.00	16+68.81	270	0	0	270
SUBTOTALS:		270	0	0	0
-L- PHASE 2					
10+00.00	18+75.00 (BR)	249	4,953	4,704	0
50+75.00 (BR)	55+05.00	175	952	777	0
SUBTOTALS:		424	5,905	5,481	0
-L- PHASE 3					
13+00.00	15+50.00	0	29	29	0
51+50.00	53+00.00	0	29	29	0
SUBTOTALS:		0	58	58	0
PHASE 4					
-L- 10+00.00	-L- 14+00.00	6	86	80	0
-L- 52+00.00	-L- 55+05.00	11	148	137	0
-Y- 10+12.00	-Y- 11+60.00	62	105	43	0
-DRIVE- 10+12.00	-DRIVE- 11+40.00	94	29	0	65
-PARK- 10+20.00	-PARK- 14+14.48	402	95	0	307
SUBTOTALS:		575	463	260	372
-EL- 48+55±	-EL- 50+50±	1,000	0	0	1,000
SUBTOTALS:		1,000	0	0	1,000
TOTALS:		2,269	6,426	5,799	1,642
LOSS DUE TO CLEARING & GRUBBING		-500		500	
WASTE IN LIEU OF BORROW				-642	-642
PROJECT TOTALS:		1,769	6,426	5,657	1,000
EST. 5% TO REPLACE SOIL IN BORROW PIT				283	
GRAND TOTALS:		1,769	6,426	5,940	1,000
SAY:		1,800		6,240	

EST 20 CY DDE (FROM HYDRO)

Approximate quantities only. Unclassified excavation, borrow excavation, fine grading, clearing and grubbing, and removal of existing pavement will be paid for at the 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

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	GREU TL-3	GRAU TYPE III	AT-1	EA	G	NG						
-DETOUR-	10+50.00	13+62.42	LT	312.50				12+50.00	3'-0"	6'-0"	50.00	50.00	1.00	1.00											TEMPORARY GUARDRAIL FOR TRAFFIC CONTROL	
-DETOUR-	14+24.78	16+27.25	LT	181.25	37.50			14+50.00	5'-0"	8'-0"	50.00		1.00												TEMPORARY GUARDRAIL FOR TRAFFIC CONTROL	
SUBTOTALS				493.75	37.50																					
ANCHOR DEDUCTION				156.25	0.00																					
TOTAL				337.50	37.50																					
SAY				350.00	50.00																					

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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	GREU TL-3	GRAU TYPE III	AT-1	EA	G	NG							
-L-Y-	13+69.27	10+51.19	RT	156.25	37.50			18+75.00 (BR)	8'-0"	11'-0"	50.00		1.00														
-Y-L-	10+52.23	18+75.00 (BR)	RT	300.00	37.50			18+75.00 (BR)	4'-0"	11'-0"	200.00		4.00														
-L-	17+31.81	18+75.00 (BR)	LT	143.75				18+75.00 (BR)	4'-0"	11'-0"		62.50	1.25														
-L-	50+75.00 (BR)	52+05.26	LT	131.25				50+75.00 (BR)	4'-0"	11'-0"	50.00		1.00														
-L-	50+75.00 (BR)	51+94.57	RT	118.75				50+75.00 (BR)	4'-0"	11'-0"		50.00	1.00														
-L-	52+90.94	55+40.00	LT	250.00				53+30.00	8'-0"	11'-0"																	
-EL-	52+62.89	58+48.65	LT & RT																				1175			REMOVE 1175 LF OF EXIST. GUARDRAIL FROM OLD BRIDGE NO. 96	
SUBTOTALS				1100.00																							
ANCHOR DEDUCTION				387.50																							
TOTAL				712.50	75.00																						
SAY				725.00	87.50																						

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION L/R/CL	YD'
-EL-	25+37	32+01	CL	1,700.02
-EL-	45+97	51+20	CL	1,363.63
-EL-	58+49	63+53	CL	1,263.76
-L-	52+66	52+85	LT	5.90
-DETOUR-	10+03	13+88	LT	389.69
-DETOUR-	10+03	12+08	RT	61.31
-DETOUR-	14+36	14+97	LT	21.27
-L-	8+00	13+86	RT	435.21
-L-	8+44	19+04	LT	1,414.75
TOTAL:				6,655.54
SAY:				6,660

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH (LF)
-L-	15+72.92	18+61.00	288.08
-L-	50+89.00	51+46.24	57.24
TOTAL:			345.32
SAY:			346

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