

12/06/07

COMPUTED BY: HEC	DATE: 6-29-2023
CHECKED BY: EDM	DATE: 12-8-2023

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
BP14-R010	3B-1
PLANS PREPARED BY:  WSP USA 434 FAYETTEVILLE STREET SUITE 1500 RALEIGH, NC 27601 TEL: 1.919.836.4040 FAX: 1.919.836.4099 LICENSE NO. F-0165	

SUMMARY OF EARTHWORK
(IN CUBIC YARDS)

STATION	STATION	UNCL. EXCAV.	EMBANK. + %	BORROW	WASTE
L 10+00.00	L 12+26.20	4497	61		4436
L 12+93.80	L 16+05.00	164	304	140	
SUBTOTALS:		4661	365	140	4436
DRI 10+10.00	DRI 12+03.27	3433	93		3340
PROJECT TOTALS:		8094	458	140	7776
WASTE IN LIEU OF BORROW				-140	-140
GRAND TOTALS:		8094	458		7636
SAY:		8100			

DDE = 20 CY

Earthwork quantities are calculated by the Engineer.
These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

Note: Approximate quantities only. Fine Grading, Clearing and Grubbing, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading."

EXISTING ASPHALT
PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
L	10+00	12+76.75	LT/RT	383.60
L	13+18.74	16+05	LT	283.84
DRI			RT	96.78
TOTAL:				764.22
SAY:				770

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	STATION	STATION	LENGTH (LIN. FT)
L	12+97.81	13+15.00	17.19
TOTAL:			17.19
SAY:			18

GUARDRAIL SUMMARY

"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

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	SC TYPE III	TYPE III	GREU TL-2	M-350	XIII	CAT-1	VI MOD	BIC	AT-1	EA	G	NG			
L	-L- 11+50.53	-L- 12+17.82	RT		68.75		-L- 12+17.82 (BRIDGE)		4'-0"	7'-0"	0'-0"		0'-0"		1		1												
L	-L- 12+20.50	-L- 12+34.23	LT		75			-L- 12+34.23 (BRIDGE)	4'-0"	7'-0"		0'-0"		0'-0"	1								1						
L	-L- 12+85.77	-L- 13+40.71	RT	56.25				-L- 12+85.77 (BRIDGE)	4'-0"	7'-0"		0'-0"		0'-0"		1	1												
L	-L- 13+01.83	-L- 13+69.27	LT	68.75			-L- 13+01.83 (BRIDGE)		4'-0"	7'-0"	0'-0"		0'-0"			1	1												
			SUBTOTAL	125	143.75																								
			LESS DEDUCTIONS																										
			GREU TL-2 (3 x 25) =	50	25																								
			AT-1 (1 x 6.25) =		6.25																								
			TYPE III (4 x 18.75) =	37.5	37.5																								
			SUBTOTAL	87.5	68.75		ADDITIONAL GUARDRAIL POSTS = 5																						
			TOTALS	37.5	75																								
			SAY	37.5	75										2	2	3						1						

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