

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

**SUMMARY OF EARTHWORK
 IN CUBIC YARDS**

STATION	STATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBANK. +%	BORROW	WASTE
PHASE I (DETOUR)						
-L DET- 10+20.00	17+52.88 (BEG. BRIDGE)	10,097		558	0	9,539
-L DET- 18+95.91 (END BRIDGE)	24+45.00	84		16,858	16,774	0
SUBTOTAL:		10,181		17,416	16,774	9,539
WASTE IN LIEU OF BORROW					-9,539	-9,539
TOTAL PHASE I		10,181		17,416	7,235	0
PHASE III (-L- RIGHT)						
-L- 12+20.00	19+59.80 (BEG. BRIDGE)	2,187		3,713	1,526	0
-L- 21+04.80 (END BRIDGE)	27+00.00	85		4,383	4,298	0
-Y4- 10+00.00	16+07.00	4		2,606	2,602	0
SUBTOTAL:		2,276		10,702	8,426	0
WASTE IN LIEU OF BORROW						
TOTAL PHASE III		2,276		10,702	8,426	0
PHASE IV (-L- LEFT)						
-L- 12+20.00	19+59.80 (BEG BRIDGE)	1,914		43	0	1,871
-L- 21+04.80 (END BRIDGE)	27+00.00	321		61	0	260
SUBTOTAL:		2,235		104	0	2,131
WASTE IN LIEU OF BORROW						
TOTAL PHASE IV		2,235		104	0	2,131
PHASE V-DET REMOVAL						
-L- 12+20.00	-L- 19+59.80 (BEG BRIDGE)	2,466		0	0	2,466
-L- 21+04.80 (END BRIDGE)	-L- 27+00.00	9,993		196	0	9,797
SUB TOTAL:		12,459		196	0	12,263
WASTE IN LIEU OF BORROW						
TOTAL PHASE V		12,459		196	0	12,263
SUB TOTALS:		27,151		28,418	15,661	14,394
SHOULDER BORROW				863	863	
PROJECT TOTALS:		27,151	0	28,418	16,524	14,394
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT					826	
GRAND TOTALS		27,151			17,350	
SAY		27,175			17,375	

EST. DDE = 195 CY
 EST. 400 CY OF SELECT GRANULAR MATERIAL TO REPLACE UNDERCUT PER GEOTECH RECOMMENDATION
 EST. 100 CY AS CONTINGENCY OF SHALLOW UNDERCUT PER GEOTECH RECOMMENDATION
 EST. 200 TONS OF CLASS IV SUBGRADE STABILIZATION TO REPLACE SHALLOW UNDERCUT PER GEOTECH RECOMMENDATION
 EST. 450 CY AS CONTINGENCY OF UNDERCUT EXCAVATION PER GEOTECH RECOMMENDATION

NOTE: APPROXIMATE QUANTITIES ONLY. BORROW EXCAVATION, UNCLASSIFIED EXCAVATION, FINE GRADING, CLEARING AND GRUBBING AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE LUMP SUM PRICE FOR "GRADING".

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

**SUMMARY OF REMOVAL
 EXISTING ASPHALT PAVEMENT**

LINE	STATION	STATION	LOCATION	SQ. YD.
L	19+00.00	19+73.12	CL	459.53
L	20+91.70	21+77.80	CL	547.23
Y4	10+78.37	10+97.38	RT	44.92
L_DET	10+20.00	17+53.88	CL	2015.22
L_DET	18+95.88	24+45.00	CL	1490.33
TOTAL				4557.23
SAY				4560

**SUMMARY OF
 SHOULDER BERM GUTTER**

LINE	STATION	STATION	LENGTH (LF)
L	15+27.00	19+45.00	418.0
L	21+38.00	25+25.00	387.0
L	21+19.00	25+84.25	465.25
L_DET	21+33.00	23+92.00	259.0
TOTAL			1529.25
SAY			1530

**SUMMARY OF
 WOVEN WIRE FENCE**

LINE	STATION	STATION	LENGTH (LF)
L (LT)	16+00.00	19+49.50	387.6
			0.0
			0.0
			0.0
			0.0
TOTAL			387.6
SAY			390

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