

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SUMMARY OF
48” CHAIN LINK WIRE FENCE

STATION TO STATION	LT. or RT.	FABRIC LF	LINE POSTS EA	TERMINAL POSTS EA
-L- 23+05.08 to 24+50.00	RT	152.70	12.39	2
NOTE LT. OR RT. INDICATES LEFT OR RIGHT OF THE MAIN LINE	TOTAL:	152.70	12.39	2
	SAY:	153	13	2

SUMMARY OF
47” WOVEN WIRE FENCE

STATION TO STATION	LT. or RT.	FABRIC LF	4” POSTS EA	5” POSTS EA
-L- 19+69.21 to 20+28.05	RT	64.13	2	4
NOTE LT. OR RT. INDICATES LEFT OR RIGHT OF THE MAIN LINE	TOTAL:	64.13	2	4
	SAY:	70	3	4

EARTHWORK SUMMARY
(IN CUBIC YARDS)

CHAIN	FROM STATION	TO STATION	SIDE	UNCL. EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L-	13+81.76	20+91.75	LT & RT	364		11,462	11,098	
-L-	22+26.75	22+80.00	LT & RT	1		2,628	2,627	
-L-	23+30.00	30+43.05	LT & RT	1,025		7,069	6,044	
TOTAL				1,390		21,159	19,769	
LOSS DUE TO CLEARING & GRUBBING				1,250			-1,250	
ADDITIONAL UNDERCUT								
PROJECT TOTAL				2,640		22,999	18,519	
ESTIMATE 5% FOR TOPSOIL ON BORROW PITS							926	
GRAND TOTAL				2,640		22,999	19,444	
SAY				2,650			19,500	

EST DDE 60 CY

EST SHALLOW UNDERCUT CONTINGENCY 100 CY

NOTE: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing, and Breaking of Existing Pavement will be paid for at the contract lump sum price for "Grading."

SUMMARY OF BREAKING
EXISTING ASPHALT PAVEMENT

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
-L-	19+60.00	20+77.58	CL	402.47
-L-	22+40.92	23+94.00	CL	439.36
TOTAL:				841.83
SAY:				850

* W MEASURED FROM "N" AT THE BEGINNING OF THE ANCHOR TO "N" AT THE END OF THE ANCHOR.
"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	B-77	GREU TL-3	M-350	TYPE III	CAT-1	VI MOD	BIC	AT-1	EA G NG							
																								EA	G	NG					
-L-	20+07.33	20+91.75	LT	81.25'				20+91.75	17.5' - 18.5'	17.5' - 21.5'		50'	50'				1		1												
-L-	20+13.41	20+91.75	RT	81.25'				20+91.75	17.5' - 18.5'	17.5' - 21.5'		50'		1'			1		1												
-L-	22+26.75	23+11.27	LT	81.25'				22+26.75	17.5' - 18.5'	17.5' - 21.5'		50'		1'			1		1												
-L-	22+26.75	23+05.10	RT	81.25'					17.5' - 18.5'	17.5' - 21.5'			50'				1		1												
TOTAL:				325'													4 EA		4 EA												
TOTAL ANCHOR LENGTH:				275'																											
TOTAL GUARDRAIL LENGTH:				50'																											
SAY:				50 LF			ADDITIONAL GUARDRAIL POSTS = 5 EACH																								