

"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 SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS										IMPACT ATTENUATOR TYPE 350			REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	AT-1	GREU TL-3	TYPE III									PERMITTED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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-Y- /-L-	11+ 43 +/-	16+ 52 +/-	LT /RT	412.50'	112.50'		13+00.00	16+00.00	4' /6'	7' /9'					2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</

SUMMARY OF EARTHWORK IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT + %	BORROW	WASTE
-L- 13+00.00 TO 16+50.00	0		8,839	8,839	
-L- 20+45.00 TO 22+00.00	73		74	1	
-Y- 10+12.06 TO 11+75.00	36		812	776	
SUBTOTAL	109		9,725	9,616	
-L- 10+00.00 TO 13+00.00	125		583	458	
-L- 16+50.00 TO 19+00.00	9		1,783	1,774	
-L- 19+40 TO 20+45.00	8		86	78	
SUBTOTAL	142		2,452	2,310	
PROJECT TOTAL	251		12,177	11,926	
LOSS DUE TO CLEARING & GRUBBING	-150			150	
5% TO REPLACE BORROW				604	
UNDERCUT CONTINGENCY		530			530
GRAND TOTAL	101	530		12,680	530
SAY	110			13,310	

EST. DDE = 440 CY

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SY
-L-	11+35.00	14+55.00	LT	634.11
-L-	14+90.00	19+00.00	LT	1,022.80
-Y-	10+12.00	11+21.00	CL	277.97
TOTAL:				1,934.88
SAY:				2,035

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

NOTE: Approximate quantities only. Unclassified Excavation, Fine Grading, Clearing and Grubbing and Removal of Existing Asphalt Pavement will be paid for at the contract Lump Sum price for "Grading".