

"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	XI MOD	XI	GREU TL-3	M-350	XIII	CAT-I	VI MOD	BIC	AT-1	EA	G	NG					
-L-	41 + 50.00	42 + 00.00	LT						EX.	EX.		50'		1'			1												267'		TERMINATE EXISTING GUARDRAIL
PROJECT TOTALS:																	1												267'		

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.

CHAIN	BEGINNING STATION	ENDING STATION	UNCL. EXCA. C.Y.	UNDERCUT C.Y.	EMBANK. + % C.Y.	BORROW C.Y.	WASTE C.Y.
-L- (MED)	11 + 00.00	12 + 00.00	12				12
-L- (MED)	22 + 10.00	30 + 76.21	245		295	50	
-L- (MED)	31 + 52.26	41 + 57.00	163		844	681	
SUBTOTAL			420		1,139	731	12
-L- (RT)	22 + 00.00	25 + 50.00	4,171				4,171
SUBTOTAL			4,171				4,171
-L- (LT)	39 + 25.00	42 + 50.00	227		1,561	1,334	
SUBTOTAL			227		1,561	1,334	
-Y-	12 + 61.92	13 + 24.24	9				9
-Y-	14 + 34.00	16 + 00.00	14				14
SUBTOTAL			23				23
SHEET TOTALS			4,841		2,700	2,065	4,206
EARTH WASTE IN LIEU OF BORROW						(-2,065)	(-2,065)
GRAND TOTALS			4,841		2,700		2,141
SAY			4,850				

SHOULDER BORROW = 580 CY
DRAINAGE DITCH EXCAVATION = 25 CY
UNDERCUT EXCAVATION (CONTINGENCY) = 200 CY
SELECT GRANULAR MATERIAL (CONTINGENCY) = 200 CY
GEOTEXTILE FOR SOIL STABILIZATION (CONTINGENCY) = 200 SY

APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, FINE GRADING, AND CLEARING AND GRUBBING, WILL BE PAID FOR AT THE LUMP SUM PRICE FOR "GRADING".

SURVEY LINE	STATION	STATION	LENGTH	END ANCHOR UNIT	INTERMEDIATE ANCHOR UNIT	REMOVAL OF EXISTING GUIDERAIL	COMMENTS
-L-	10 + 90.00	12 + 25.00	135		2		
-L-	21 + 90.00	21 + 90.00	NA	1			TERMINATE EX. GUIDERAIL
-L-	41 + 75.00	41 + 75.00	NA	1			TERMINATE EX. GUIDERAIL
-L-	21 + 65.00	29 + 01.00	NA			737	
-L-	35 + 25.44	42 + 00.00	NA			675	
SUBTOTAL:			135			1412	
LESS TERMINAL ANCHOR UNITS			50				
GRAND TOTALS:			85	2	2		
SAY:			85	2	2	1412	

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ³
-L-	22+08	22+94	RT	38.12
-L-	22+08	28+65	LT	430.44
-L-	22+17	24+40	RT	98.55
-L-	25+05	38+80	CL	287.40
-L-	31+48	37+50	CL	311.60
-L-	35+00	41+57	RT	291.22
-L-	39+25	41+48	LT	99.00
-L-	40+71	41+57	LT	38.34
-Y-	12+59	13+24	LT	55.48
-Y-	14+35	16+00	LT	92.46
			TOTAL:	1742.61
			SAY:	1745