

"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	REMOVE GUARDRAIL	REMARKS									
				STRAIGHT	SHOP CURVED	SINGLE FACED CONCRETE BARRIER	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	AT-1	GREU TL-2	GREU TL-3	TYPE III	B-77	B-77								PERMITTED					
																												NO.	G	NG			
-L-	16+13.26	17+93.21	RT	168.75'	100.00'		17+93.21 (BRIDGE)		7.5'	14'																			240'	TIE TO EXISTING GUARDRAIL			
-L-	16+98.25	17+67.00	LT	68.75'					7.5'	14'																				140'			
-L-	19+90.71	20+59.46	RT	68.75'					7.5'	14'																				154'			
-L-	19+70.40	21+14.15	LT	143.75'			19+70.40 (BRIDGE)		7.5'	14'																				153'			
-L-	14+63.32	15+07.20	RT	25.00'	25.00'				EXIST.	EXIST.																				50'	USE DOUBLE POST SPACING		
-Y-	12+62.44	13+35.31	RT	72.875'					12.7'	14'																				330'			
-Y-	15+66.43	16+39.31	LT	72.875'			15+66.43 (RET. WALL)		7.5'	14'																							
-Y-	10+12.00	18+37.00	MED RT	825.00'					12.5'	15'																				731'	TIE TO EXISTING GUARDRAIL (BOTH ENDS)		
-Y-	10+44.00	18+69.00	MED LT	825.00'					12.5'	15'																				690'	TIE TO EXISTING GUARDRAIL (BOTH ENDS)		
-Y-	13+35.31	15+09.40	RT																														
-Y-	13+88.33	15+67.80	LT																														
SUBTOTAL				2270.75'																													
LESS ANCHOR DEDUCTIONS																																	
GREU TL-2 3 x 25.00'				=	-75.00'																												
GREU TL-3 2 x 50.00'				=	-100.00'																												
TYPE III 4 x 18.75'				=	-75.00'																												
TYPE B-77 2 x 22.875'				=	-45.75'																												
TOTAL				1975.00'	125.00'	354.00'																										2488'	18 ADDITIONAL GUARDRAIL POST

TEMPORARY 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	REMOVE GUARDRAIL	REMARKS											
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	CAT-1	GREU TL-2	GREU TL-3	TYPE III	B-77										PERMITTED						
																													NO.	G	NG				
-L-	15+93.70	17+66.36	RT	118.75'	62.50'		17+66.36 (EX. BRIDGE)																										181.25'	TIE TO EXISTING GUARDRAIL	
-L-	16+17.75	17+74.57	LT	156.25'																														156.25'	
-L-	20+17.54	20+73.79	RT	56.25'																														56.25'	
-L-	19+62.00	21+18.25	LT	156.25'			19+62.00 (BRIDGE)																											156.25'	
-Y-	10+43.50		MED RT	6.25'																															
-Y-	10+44.00		MED LT	6.25'																															
-Y-	18+37.13		MED RT	50.00'																															
-Y-	18+65.19		MED LT	50.00'																															
SUBTOTAL				600.00'	62.50'																														
LESS ANCHOR DEDUCTIONS																																			
GREU TL-3 2 x 50.00'				=	-50.00'																														
GREU TL-2 3 x 25.00'				=	-75.00'																														
CAT-1 2 x 6.25'				=	-12.50'																														
TYPE III 4 x 18.75'				=	-75.00'																														
TOTAL				387.50'	62.50'																														550.00'

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