

MEDIAN SHOULDER BRIDGE APPROACH GUARDRAIL LENGTHS				
Median Slope	Design Speed (mph)			
	50	55	60	70
	Runout Length L_R (ft)			
	320	360	420	460
	Clear Zone (ft)			
<hr/> Double-Faced W-beam Guardrail @6.25 ft Post Spacing Pay Length (ft)				
Flatter than 6:1	$\frac{20.0}{150.00}$	$\frac{23.0}{181.25}$	$\frac{30.0}{225.00}$	$\frac{30.0}{250.00}$
6:1	$\frac{21.0}{156.25}$	$\frac{26.0}{193.75}$	$\frac{33.0}{237.50}$	$\frac{34.0}{268.75}$
5:1	$\frac{25.0}{168.75}$	$\frac{28.0}{200.00}$	$\frac{36.0}{250.00}$	$\frac{38.0}{275.00}$

Note: The computed values in this table are based on the assumed conditions as follows:

1. Guardrail lengths calculated using Equation 49-5.3 from Section 49-5.02(01) with $L_2 = 4$ ft.
2. These calculated lengths do not include the TGB Transition.
3. W-beam guardrail flared at 30:1 from TGB transition to 12-ft offset then parallel to roadway.
4. TGB transition parallel to and 4 ft from E.T.L.
5. The length of bridge approach guardrail will need to be recomputed for site conditions other than those assumed above.
6. See the INDOT Standard Drawings.

MEDIAN BRIDGE APPROACH CRITERIA

Figure 49-8F