

Design Speed, mph	With Guardrail End Treatment Type I	With Guardrail End Tmt. Type OS or MS
≥ 50	Length of Need or 100 ft, whichever is greater	Length of Need or 50 ft, whichever is greater
≤ 45	Length of Need or 50 ft, whichever is greater	Length of Need or 50 ft, whichever is greater

Note: This is the minimum bridge-approach guardrail length, including guardrail-transition length.

BRIDGE-RAILING-END PROTECTION REQUIREMENTS

Figure 49-9A