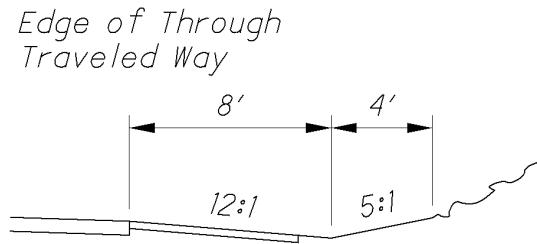


SAMPLE CALCULATIONS

Ex. 600-3

Clear Zone Measurement For a Cut Slope

Problem 3: Determine the required clear zone distance for the following location on a project with a design speed of 45 mph and a design year traffic volume of 1,300 ADT.



Solution 3: The required clear zone distance (for backslopes steeper than 6:1 up to 4:1, 45 mph design speed and $750 \leq \text{ADT} \leq 1,500$) is 13 feet. (See **Figure 600-1**). The required clear zone is 13 feet but only 12 feet exist. If this section of roadway has a history of accidents with the cut face then guardrail should be installed.