



Figure 300.07  
Risk Warrants for Embankments

### 308.03 ROADSIDE BARRIER PLACEMENT

#### 308.03.01 Lateral Placement

Placement of a barrier system shall be determined in a manner that increases motorist safety, decreases accidents and minimizes injuries. A barrier system shall shield the motorist from roadway hazards and not contribute to the hazard. It is therefore a standard rule that the barrier system shall be placed as far from the edge of travelled way as possible. This allows drivers room to regain control of their vehicle and possibly avoid an accident. It is important to note however; as the distance between the edge of travelled way and the barrier increases, the potential angle of impact of the vehicle also increases. Barriers at high angle of impacts are significant hazards themselves.

#### 308.03.02 Barrier to Hazard Clearances

In cases when a roadside barrier is required to shield an isolated hazard, clearance must be provided between the barrier and the hazard. Upon impact, some barriers will deflect, making the clearance between the barrier and the hazard important. Furthermore, if a barrier is struck by a vehicle with a high center of gravity, the vehicle may roll or vault over the barrier. If sufficient distance is not provided, the vehicle may collide with the hazard. Sufficient distance must be provided between the barrier and the hazard being shielded.