

Factors for Evaluating the Need for Bridge Barrier Systems

Consider the following factors when evaluating the need for any component of a bridge barrier system. (The factors are not in any particular order.)

- A. Accident history at the site.
- B. Vehicle speeds approaching and across the bridge.
- C. Average daily traffic and average daily truck traffic.
- D. One-way versus two-way traffic.
- E. Bridge surface (i.e. slippery vs. non-slippery).
- F. Approach roadway alignment.
- G. Approach roadway width vs. bridge width.
- H. Approach roadway surface.
- I. Approach sight distance and sight distance across the bridge.
- J. Approach roadway embankment slope.
- K. Bridge geometry including width, length, and deck cross-section (flat vs. crown).
- L. Typical weather conditions such as snow and ice, frequent fog, rain, and runoff.
- M. Nighttime use.
- N. Familiarity of users with the bridge.
- O. Bridge height over waterway (or other feature crossed).
- P. Depth of water below bridge.
- Q. Operational concerns of the facility.
- R. Aesthetic concerns.
- S. Pedestrian use.
- T. Projected future use of the bridge.