

	<b>Chapter</b>  INTERSECTIONS
	<b>Subject</b>  Grade Separation Without Ramps

### HD-903.1 OVERVIEW

Grade-separation facilities provide for the safest and most efficient movement of vehicles, pedestrians, and bicycles across intersecting roadways. Conflict points between the facilities are eliminated when one of the roadways is taken over or under the other facility. The ability to use this type of facility is usually based upon:

- Type of terrain
- Type of facility being constructed
- Type of access control being utilized on the facility
- Economic considerations

There is no minimum spacing along a corridor and no limit to the number of grade-separated facilities along a roadway.

### HD-903.2 VERTICAL CLEARANCE

In selecting the alignment and grades of intersecting roadways, a major control is vertical clearance under overpasses. For various types of roadways, the following minimum vertical clearances apply:

TYPE OF ROADWAY	MINIMUM CLEARANCE* (Feet)	DESIRABLE CLEARANCE (Feet)
Interstate, federal aid primary in rural areas	16.5	17.5
Strategic Highway Network	16.5	17.0 - 17.5
All others	14.5	17.0 - 17.5

*\*For rehabilitation/reconstruction work involving existing bridges, vertical clearance can be reduced by 0.5 feet from above minimum clearances.*