

Pedestrian Accommodation – Design criteria for accommodating sidewalks at commercial entrances (by providing pedestrian access routes across the entrance) are presented in diagram CG-11 in the Road and Bridge Standards at the following web link:

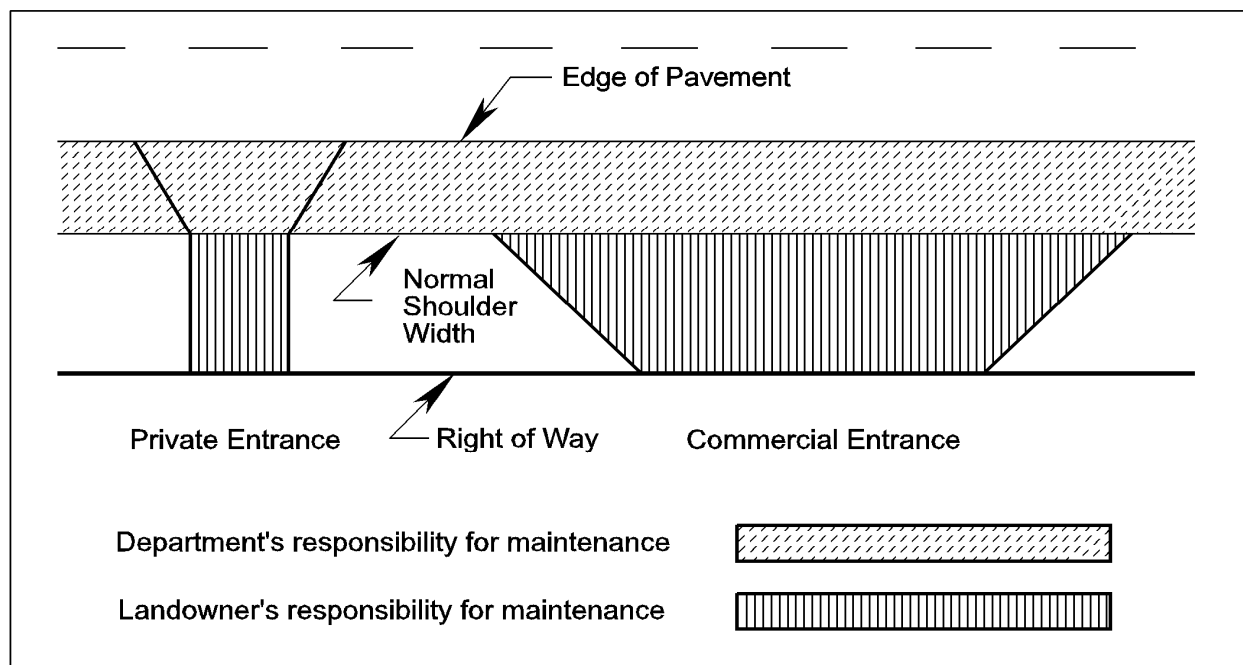
[http://www.virginiadot.org/business/locdes/2008\\_standards\\_complete\\_sections.asp](http://www.virginiadot.org/business/locdes/2008_standards_complete_sections.asp).

\* Low Volume Entrance – Certain design characteristics are reduced for a low volume entrance along highways with shoulders. Site requirements are:

- Maximum highway vehicles per day: 5,000
- Maximum entrance vehicles per day: 200
- Maximum entrance percent truck trips of vehicles per day: 10%

For low volume entrances the minimum entrance throat depth is 25 feet; minimum radii is 25 feet with curb/gutter or curbing not required; entrance width is 18 feet minimum and 30 feet maximum; and minimum angle of entrance is 60 degrees, 90 degrees preferred. See Figure 4-15 for low volume entrance design illustration.

### Limits of Maintenance Responsibility for Private and Commercial Entrances



**FIGURE 4-2**

### Commercial Entrance Location Criteria

Entrances shall be placed at locations that provide adequate intersection sight distance. These locations often occur at the top or bottom of inclines. In hilly areas, proper locations can be at a premium, and shared access might be necessary. Entrances shall not be placed within the functional area of any intersection. Greater spacing may be required due to stacking requirements of the approaches to the intersection. This can be particularly evident around signalized intersections.