

4. Modification of an Existing Entrance

When an existing street is re-developed and modification of an existing entrance is required, the entrance surface shall be extended to the right-of-way line or the extent of disturbance to the existing entrance.

Commercial Entrances

All commercial entrances shall be designed in accordance with the entrance design diagrams Figures 4-8 to 4-15 to promote safe and efficient movement of vehicles in the entrance and on state highways.

An access shall not be approved for parking areas that require backing maneuvers within state highway right-of-way. All off-street parking areas must include on-site maneuvering areas and aisles to permit vehicles to enter and exit the site in forward drive without hesitation. For Parking Space Guidelines See [Appendix "C"](#).*

Entrance Medians: Entrance medians should be used when two or more lanes are required for both the entering and the exiting movements at the entrance.

- Entrance medians shall have a minimum width of 4 feet.
- All curbing within the highway clear zone shall be in accordance with VDOT's Road and Bridge Standards, or as approved by the District Administrator or designee, and appropriate for the operational speeds of the facility.
- Non-regulatory signs shall not be placed in the portion of an entrance median located within the right-of-way, or within the highway clear zone, and shall not restrict intersection sight distances.
- An entrance median should not contain structures, signs, or landscaping which restrict sight distance. The minimum size of a entrance median island is 100 square feet.

Entrance Throat: The entrance throat should be designed to facilitate the movement of vehicles off the highway to prevent the queuing of vehicles on the traveled way.

The throat length is based on the traffic a development will generate, not the characteristics of the abutting highway. The more traffic using the entrance, the greater the number of ingress/egress lanes will be needed within the entrance, which determines the length of the entrance throat.

Both sides of the entrance throat need to be protected.

* Rev. 7/10