

ROUNABOUTS:

Operational and safety characteristics of roundabouts should be compared with those of signalized and unsignalized intersections on all projects and be used if deemed appropriate. Roundabout designs should be based on Federal Highway Administration Publication Number FHWA-RD-00-067, Roundabouts: An Informational Guide at <http://www.tfhr.gov/safety/00068.pdf>. Additional information can also be found in VDOT's Roundabout Brochure at <http://www.virginiadot.org/infoservice/fag-roundabouts.asp>. See Figure C-1-2.2 for Roundabout Details. When roundabout design is proposed, the Residency Administrator should consult the District Location & Design Engineer.

THE APPROVAL PROCESS FOR ROUNABOUTS IS AS FOLLOWS:

Existing and Proposed Subdivisions- The District may review and approve.

Secondary System- District may approve up to a traffic design volume of 10,000 VPD. Roundabout designs in which the counts are beyond this volume should be submitted to the Central Office Roundabout Review Committee for review. The committee will make recommendations to the State Location and Design Engineer for approval or disapproval. Appeals of the State Location and Design Engineer decision will go to the Chief Engineer for resolution. (When a District receives a request for a roundabout from an outside entity, and the design volume is under 10,000 VPD but desires Roundabout Committee review and input. The submittal may be sent to the State Location and Design Engineer. It will be reviewed and comments and/or recommendations will be returned in a timely manner.)

Primary or Urban System- The District will submit roundabout designs to the Central Office Roundabout Committee for review. The approval and appeals will be the same as used above for these roadway systems with one exception, urban systems will require approval of the Local Assistance Division Administrator as well as the State Location and Design Engineer.

The process listed above applies to:

- Roundabouts proposed through 6 year construction program.
- Roundabouts proposed during road safety improvements and/or upgrades.
- Roundabouts proposed by Counties, Localities, Consultants and Developers.

The submittal should contain and depict the following criteria:

- Approach Grades and sight distances.
- Inscribed diameter of circulatory roadway.
- Design vehicle (WB-50 or WB-67).
- Apron width, circulatory lane width and approach lane widths.
- Approach lane deflection and length of splitter islands.