

When a District receives a request for a roundabout from an outside entity, and the design volume is below 10,000 VPD but requests the Central Office Roundabout Review Committees review and comments, the submittal shall 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 Location & Design Engineer shall submit roundabout designs to the Central Office Roundabout Review Committee at the preliminary field inspection, public hearing/design approval and right of way stages for review and comments. The approval and appeals will be the same as mentioned above.

The process mentioned above applies to:

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

The plan submittal shall contain and depict the following criteria:

- Design speed & fastest theoretical path
- Design vehicle for Circulatory Roadway (S-BUS-36)*
- Design vehicle for Truck Apron (WB-67)
- Approach Grades/sight triangles/sight distances
- Inscribed outer diameter of circulatory roadway
- Apron composition, width, slope and curb standard
- Circulatory lane width
- Approach lane width/Deflection/radii
- Departure lane width/Deflection/radii
- Splitter island lengths/raised/flush
- Pedestrian crossing locations/width, composition, raised/flush, markings.
- Bicycle lane/approach & termination point.
- Pavement markings (directional arrows, yield lines, edge lines, etc.)
- Signing
- Roadway Lighting (preferred)
- Location of nearest entrances to outer inscribed diameter and nature of land use
- Present & design year volumes, % trucks & turning movements on all approaches
- aaSIDRA analysis on all approaches/peak hrs. LOS/queue lengths in design year
- AUTO-TURN results of Design Vehicle for all turning movements
- Planting scheme/landscaping for mounded central island and splitter islands.
- Proximity of roundabout to nearest traffic signal.

* Rev. 1/15