

**ROUNDABOUT CRITICAL DESIGN PARAMETERS DOCUMENT** (follow link for a working copy of this template: [FDM 11-26-5 A5 xls1](#))

Project ID  
 Title  
 Limits  
 Route  
 County

**ROUNDABOUT CRITICAL DESIGN PARAMETERS**

DESIGN PARAMETERS	LEG 1	LEG 2	LEG 3	LEG 4	LEG 5	LEG 6
Approach Width, FT						
Entry Width, FT						
Entry Angle, PHI $\phi$ , DEG						
Inscribed Circle Diameter, FT						
Exit Width, FT						
Circulating Roadway Width Upstream of Entry, FT						

FASTEST SPEED PATH	LEG 1	LEG 2	LEG 3	LEG 4	LEG 5	LEG 6
$R_1$ , Radius/Speed, FT/MPH						
$R_2$ , Radius/Speed, FT/MPH						
$R_3$ , Radius/Speed, FT/MPH						
$R_4$ , Radius/Speed, FT/MPH						
$R_5$ , Radius/Speed, FT/MPH						
Bypass $R_5$ , Radius/Speed, FT/MPH						

MINIMUM SIGHT PARAMETERS	LEG 1	LEG 2	LEG 3	LEG 4	LEG 5	LEG 6
Approach Design Speed, MPH						
Horizontal Stopping Sight Distance, FT						
Circulating Intersection Sight Distance, FT/MPH						
Entering Intersection Sight Distance, FT/MPH						

Design Vehicle:

Truck Apron Width:

OSOW Accommodations:

Circulating Roadway Cross-Slope:

Access Control:

Parking Control:

Bicycle & Pedestrian Accommodations:

Designer:

Reviewer:

SIGNATURE: \_\_\_\_\_

DATE:

NAME:

The reviewer's signature on this document indicates that the design has been reviewed and is in general compliance with good roundabout principals. The critical design elements have been addressed. The project design engineer in responsible charge of final plan development will stamp the plans when applicable.