

Project Name _____

Roundabout Design Criteria Worksheet – *Roundabout Name Here*

This checklist is to confirm interpretation of standards. Your project may require that additional/different/or fewer Design Elements be addressed.

Design Data			
Design Class			
Design Year			
Mainline Design Speed (Posted Speed)			
Cross Road Design Speed (Posted Speed)			
ADT			
Truck Percentage			
	Reference/Date	Design Performance Objective	Determination
Design Vehicle Turning Path			
Fastest Vehicle Paths			
Natural Vehicle Paths			
Design Components			
Inscribed Circle Diameter (ICD)			
Approach Alignment			
Entry			
Exit			
Central Island Diameter			
Truck Apron			
Superelevation and Grades			
Clear Zone			

Meets Guidelines - MG, Does Not Meet Guidelines, DNMG

Project Name _____

Roundabout Design Criteria Worksheet Continued – *Roundabout Name Here*

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Design Element	Reference/ Date	Design Performance Objective				Determination
Approach From... [Designer must include a section for each approach]						
Design Vehicle						
R1 - Entry Path Radius						
Superelevation						
Speed (mph)						
R2 - Circulating Path Radius						
Cross Slope						
Speed (mph)						
R3 - Exit Path Radius						
Cross Slope						
Speed (mph)						
R4 - Left Turn Path Radius						
Cross Slope						
Speed (mph)						
R5 - Right Turn Path Radius						
Cross Slope						
Speed (mph)						
Approach Stopping Sight Distance						
Circulating Stopping Sight Distance						
Exit Stopping Sight Distance						
S1 - Entering Stream Sight Distance						
S2 - Circulating Stream Sight Distance						

Roundabout Design Criteria Worksheet Continued – *Roundabout Name Here*

Meets Guidelines - MG, Does Not Meet Guidelines, DNMG

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Design Element	Reference/Date	Design Standard	Proposed	Determination
Pedestrian Design				
Feature???				
Sidewalk Width				
Buffer Width				
Clear Width				
Cross Slope				
Running Slope				
Maximum Vertical Rise				
Grade Break				
Surface Discontinuities				
Curb Flare Slope				
Vertical Clear Area				
Counter Slope				
Landing				
Detectable Warning Surface				
Right-Turn Slip Lane				
Add and Drop or Bypass Lane				
Railroad Crossing				
Bicycles				
Signing and Pavement Marking				
Illumination				
Access, Parking, and Transit Facilities				

Feature = Curb Ramp, Sidewalk, Driveway Crossing, Crosswalk, Landing, Cross Through Island/Median, Pedestrian Circulation Path (Including Shared Use Paths), or Building and Facilities Ramp

Meets Guidelines - MG, Does Not Meet Guidelines, DNMG