



Roundabout Feasibility Initial Screening Tool

Design Manual

Chapter 6

Geometric Design

Originally Issued: 12-07-11

Revised: 01-15-14

The purpose of the roundabout screening tool is to provide Iowa DOT management with enough information to evaluate the feasibility of a roundabout at an intersection. It should provide detailed information about why a roundabout is being considered in comparison to other types of intersections. The screening tool is to be presented to management at project review. Management will then decide whether to continue with the development of the roundabout.

Filling out the Roundabout Screening Tool

The roundabout screening tool should be prepared when a roundabout is proposed at an intersection or when a series of roundabouts are proposed. District staff should prepare the roundabout screening tool or be involved in the preparation.

The document should contain detailed information about a particular intersection. General statements regarding roundabouts such as, "Roundabouts reduce delay compared to signalized intersections," should be excluded. A statement related to a particular intersection would be, "A roundabout will have 5 seconds of delay for left turning vehicles, and a signalized intersection will have 15 seconds of delay for left turning vehicles."

Conceptual layouts of the roundabout and the other types of intersections being considered need to be included. The layouts should be detailed enough to provide a basic footprint of the intersection and show impacts to adjacent access locations.

Click here for [The Roundabout Feasibility Initial Screening Tool](#)

Chronology of Changes to Design Manual Section: 006A-003a Roundabout Feasibility Initial Screening Tool

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| 1/15/2014 | Revised Minor revisions made to improve readability. No changes in design processes. |
| 12/7/2011 | NEW new |