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6.3 Grading and Drainage Considerations

Chapter 6.3.11 of the FHWA publication, *Roundabouts: An Informational Guide*, provides guidance on the development of the vertical profile and location of drainage structures. Roundabouts should be generally designed to slope away from the central island with drainage inlets located on the outer curb line. This will help to raise the elevation of the central island and increase its conspicuity and visibility.

The slope of the circulatory roadway should prevent water from collecting or pooling around the central island. This will help to minimize icing on the circulatory roadway or on the approaches to the roundabout. For large roundabouts, additional drainage inlets may be required within the central island to help minimize the amount of runoff from the central island on to the circulatory roadway. As with any intersection, reasonable care should be taken to avoid low points and inlets placed in the crosswalks.