Access Management Considerations for Roundabout Design and Implementation

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ABSTRACT

Roundabouts are compatible with many access management principles. The operational characteristics of roundabouts differ from signalized intersections in many substantial ways. Roundabouts allow for more flexibility in design that can be of significant benefit when balancing the competing objectives of roadway safety, capacity, and the access needs of existing and/or proposed land uses. The literature and case studies are limited when it comes to roundabouts and access management principles. This paper explores case studies of the different ways in which roundabouts can provide flexibility in access management. It specifically addresses business access into and near roundabouts, roundabouts in series, and other access management issues compatible with roundabouts in redevelopment, new development, and constrained urban environments.

Key words: access management—roundabouts