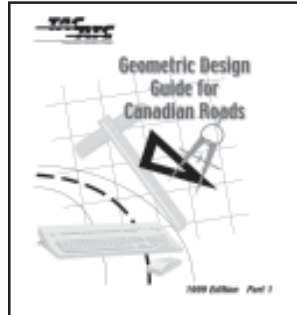




## Geometric Design Guide for Canadian Roads (1999)



The *Geometric Design Guide for Canadian Roads* is the **principal geometric design reference source in Canada** and an essential document for any organization involved in road design and construction. Road authorities across Canada co-operated in the preparation of the *Guide*, while federal, provincial and territorial governments in Canada sponsored the project. The 1999 *Guide* updates, combines and replaces the 1986 *Geometric Design Guide* and the *Urban Supplement* into an all-in-one, two book reference tool. This 1999 version also incorporates material from other sources and provides substantial new material. Supporting materials include a bibliography, glossary and index. 830p.

### What's new in this Guide?

- Provision of explicit discussions regarding road safety throughout the guide, as well as a chapter devoted to "roadside safety";
- Introduction of the concept of "design domain";
- Incorporation of the *Urban Supplement to the Geometric Design Guide for Canadian Roads* (previously a separate publication).
- **Includes 2007 Updates**

### Plus many other new/expanded areas covering:

- design consistency
- truck escape ramps
- aesthetics
- roundabouts
- design vehicle dimensions
- ramp design speed for trucks
- rumble strips
- retrofit design
- pedestrian accommodation

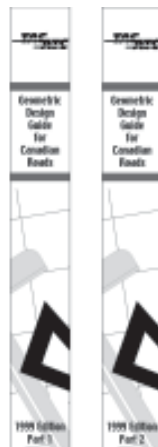
### Guide organization:

#### Volume 1 - Principles of Design

Outline of the evolving philosophy/approach to geometric design with new emphasis on the costs and benefits of safety. Topics include design domain, road classification, design speed, design vehicle dimensions and design consistency.

#### Volume 2 - Elements of Design

Covers the basic elements of roadway geometry – alignments, lane configurations, cross section elements, intersections and interchanges. New information on safety implications is added throughout the volume.



#### Volume 3 - Special Design Features

Includes coverage of design features outside the travelled lanes of a roadway – roadside safety, access, streetscaping, bikeways and pullouts.

#### Volume 4 - Supporting Material

Provides supporting materials, including a bibliography, glossary and index.



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