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**Speed Management Guide: A Book in the Canadian Road Safety Engineering Handbook (CRaSH)**

PTM-SMG-E

The *Speed Management Guide* provides information and tools to facilitate safer Canadian roadways through speed management. Since speed management is first and foremost a road safety issue, the focus of the Guide is on the safety aspects of speed.

The Guide is intended for engineers and those responsible for roadway planning, design, operation, and maintenance, with the focus on infrastructure methods of managing speeds. However, it is recognized that speed management practices transcend the bounds of engineering, and therefore the Guide includes discussion on enforcement, education, and encouragement measures, and the need for road authorities to collaborate with public health officials, enforcement personnel, and others with a stake in speed management.

Chapters are as follows: Introduction; Speed Management in Canada; The Impact of Speed on Safety; The Driver's Choice of Speed; Speed Management Policy; Setting Speed Limits; Speed and Road Design; and Engineering and Other Measures.

The Speed Management Guide is part of the Canadian Road Safety Engineering Handbook (CRaSH), a series of 10 titles and anticipated titles developed under the auspices of the Road Safety Standing Committee of the Chief Engineers' Council. Although each book is specifically designed to be self-contained, taken together they comprise a comprehensive, authoritative and highly complementary set of practical guidelines. Other books in the series provide information on subject areas such as road safety audits and applied human factors in road safety engineering.

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Media type: eBook, Print  
2016

Member Price: \$ 169.00, Regular Price:  
\$ 225.00



## Applied Human Factors in Road Safety Guide: A Book in the Canadian Road Safety Engineering Handbook (CRaSH)

PTM-AHFRS-E

*Applied Human Factors in Road Safety Guide* is a practical guide for the application of human factors to road design and traffic operations, with a focus on road safety for a Canadian audience. The guide provides practitioners with a basic understanding of the road user capabilities, performance and behaviours, and also includes several practical tools for the application of human factors, including: design consistency, positive guidance, self-explaining roads, driver information load analysis and human factors axioms for road safety. The material is designed to be applicable to all road users including motorists, pedestrians and cyclists.

*Applied Human Factors in Road Safety* is intended to identify, define, and share good practices in road safety engineering in order to assist Canadian road authorities and road safety engineering practitioners in providing service to the public and addressing road safety issues at the local level. Implementing good road safety engineering practices will help achieve the targets set in local road safety plans as well as in Canada's Road Safety Vision.

The Guide is part of the Canadian Road Safety Engineering Handbook (CRaSH), a series of 10 titles and anticipated titles developed under the auspices of the Road Safety Standing Committee of the Chief Engineers' Council. Although each book is specifically designed to be self-contained, taken together they comprise a comprehensive, authoritative and highly complementary set of practical guidelines. Other books in the series provide information on subject areas such as road safety audits and speed management.

*Disponible en français : Guide d'application des facteurs humains en sécurité routière (2013)*

Media type: eBook, Print  
2013

Member Price: \$ 169.00, Regular Price:  
\$ 225.00



## Guidelines for the Network Screening of Collision-Prone Locations: A Book in the Canadian Road Safety Engineering Handbook (CRaSH)

PTM-CLLSN-E

Recognizing that collision-prone location (CPL) screenings depend on a number of variables as well as the needs and approach of each agency, *Guidelines for the Network Screening of Collision-Prone Locations* features recommended and interim screening methods including methodology, illustrations, and, where possible, implementation steps such as the development or acquisition of analytical tools. This publication will help practitioners and safety consultants use network screening analytical procedures and statistical concepts to identify and prioritize locations with the highest potential for safety improvement. Road authorities will also be able to implement state-of-the-art screening methods to modify and improve the safety performance of the network.

The document also provides guidance for agencies to select the methods that are compatible with their current resources and screening needs, as well as required data and resources to move from interim to advanced methods.

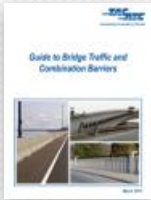
This Guide is part of the Canadian Road Safety Engineering Handbook (CRaSH), a series of 10 titles and anticipated titles developed under the auspices of the Road Safety Standing Committee of the Chief Engineers' Council. Although each book is specifically designed to be self-contained, taken together they comprise a comprehensive, authoritative and highly complementary set of practical guidelines. Other books in the series provide information on subject areas such as road safety audits and applied human factors in road safety engineering.

**Background:** To determine high-risk locations on a road network where motorists and other road users are killed or seriously injured, some road authorities undertake scientific investigations such as CPL screening activities, black spot programs, or network analysis. These activities are intended to identify road infrastructure deficiencies and traffic operations and control features that may have contributed to the collisions and establish appropriate mitigation measures. This process is critical in developing effective road safety management programs in line with Canada's road safety vision.

*Disponible en français : Lignes directrices pour l'identification des sites les plus problématiques du réseau routier (2011)*

Media type: eBook, Print  
2011

Member Price: \$ 169.00, Regular Price:



### Guide to Bridge Traffic and Combination Barriers

PTM-BARRIER

This guide discusses issues relating to current practices in Canada, and summarizes the available resources, research and design guidance accepted by major North American agencies and jurisdictions. The guide was developed to synthesize and help unify the Canadian bridge barrier design practices.

Divided into eight chapters, the publication specifically focuses on barrier performance levels, conceptual design guidance for new traffic barriers, combination barriers and multi-modal protection, bridge barrier end treatments, as well as evaluation and upgrade of existing systems.

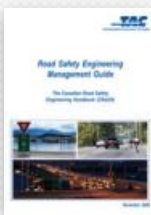
This publication is intended to serve as a comprehensive summary rather than a design specification guide. No crash testing was conducted during the project and all findings noted in the guide are based solely on literature review and interviews with expert researchers and representatives of major Canadian jurisdictions.

The content of the publication is consistent with the requirements of the Canadian Highway Bridge Design Code, which is the principal design code specification for bridge barriers in Canada.

Disponible en français : *Guide des glissières de sécurité et des glissières combinées pour les ponts (2010)*

Media type: eBook, Print  
2010

Member Price: \$ 199.00, Regular Price:  
\$ 279.00



### Road Safety Engineering Management Guide: A Book in the Canadian Road Safety Engineering Handbook (CRaSH)

PTM-RSHANDBOOK

The *Road Safety Engineering Management Guide* identifies, defines and shares good practices in road safety engineering to assist Canadian road authorities and engineering practitioners in servicing the public and addressing road safety issues at the local level. It presents fundamental concepts and principles related to managing road safety engineering.

The Guide outlines a definition of road safety, identifies industry-accepted measures of road safety and includes a brief discussion of collision data management. It provides a description of the basic requirements for managing road safety in an engineering context and identifies linkages to other road safety stakeholders. It also identifies how road safety engineering can be included at each stage of the project life cycle and the benefits of considering road safety early on, and defines good practice in road safety engineering and provides a recommended framework for practitioners to make informed decisions concerning road safety.

The *Road Safety Engineering Management Guide* is the anchor publication in the Canadian Road Safety Engineering Handbook (CRaSH), a series of 10 titles and anticipated titles developed under the auspices of the Road Safety Standing Committee of the Chief Engineers' Council. Although each book is specifically designed to be self-contained, taken together they comprise a comprehensive, authoritative and highly complementary set of practical guidelines. Other books in the series provide information on subject areas such as road safety audits and applied human factors in road safety engineering.

Media type: eBook, Print  
2009

Member Price: \$ 149.00, Regular Price:  
\$ 219.00



### Canadian Guide to In-service Road Safety Reviews: A Book in the Canadian Road Safety Engineering Handbook (CRaSH)

PTM-INSERVICE

The *Canadian Guide to In-service Road Safety Reviews* is a practical guide for conducting reviews on existing roads, based on the current experience and expertise in Canada and internationally. A companion guide to TAC's *Canadian Road Safety Audit Guide*, this publication provides guidelines to traffic practitioners on how to upgrade the operational and physical characteristics of existing in-service roads to be more compatible with current traffic conditions and safety knowledge.

The Guide is divided into the following sections: Introduction; Safety Management Systems; Data Management; Network Screening; Engineering Analysis, Countermeasures; Evaluating Road Safety Improvements; and Getting Started.



The Guide would be of greatest interest to those individuals responsible for commissioning and conducting in-service road safety studies.

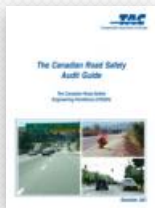
The *Canadian Guide to In-service Road Safety Reviews* is part of the Canadian Road Safety Engineering Handbook (CRaSH), a series of 10 titles and anticipated titles developed under the auspices of the Road Safety Standing Committee of the Chief Engineers' Council. Although each book is specifically designed to be self-contained, taken together they comprise a comprehensive, authoritative and highly complementary set of practical guidelines. Other books in the series provide information on subject areas such as speed management and applied human factors in road safety engineering.

*Disponible en français : Guide des études de sécurité des routes en service (2004)*

Media type: eBook, Print

2004

Member Price: \$ 169.00, Regular Price:  
\$ 239.00



### The Canadian Road Safety Audit Guide: A Book in the Canadian Road Safety Engineering Handbook (CRaSH)

PTM-CRSAG

This practical work is a comprehensive review of the safety audit process intended for road authorities, consultants and other interested groups. This publication contains chapters on basic road safety audit concepts, procedures, conducting audits, audit teams and pilot programs. Appendices include case studies, further reading suggestions and an audit prompt list.

The *Canadian Road Safety Audit Guide* is part of the Canadian Road Safety Engineering Handbook (CRaSH), a series of 10 titles and anticipated titles developed under the auspices of the Road Safety Standing Committee of the Chief Engineers' Council. Although each book is specifically designed to be self-contained, taken together they comprise a comprehensive, authoritative and highly complementary set of practical guidelines. Other books in the series provide information on subject areas such as speed management and applied human factors in road safety engineering.

Order together with *Canadian Guide to In-service Road Safety Reviews* using the code PTM-CRSAG-SET and receive a discounted price.

Media type: eBook, Print

2001

Member Price: \$ 150.00, Regular Price:  
\$ 199.00

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