

H12 Other Resources

H12.1 Introduction

This section identifies other resources for roadside safety that the designer may wish to review. These are currently not found on the Alberta Infrastructure and Transportation website.

A number of additional references related to roadside safety that may be useful when seeking more information on this subject are also listed. This list represents, at best, a starting point for those interested in increasing their knowledge of roadside safety. The dynamics of the Internet mean that a listing of internet web sites would quickly be outdated and incomplete. A number of key words are provided to the designer interested in searching the Internet for newer material.

H12.2 Technical Manual Resources

AASHTO's *Highway Safety Design and Operations Guide* 1997

AASHTO's *Roadside Design Guide* 2002

Joint Cooperative Committee of the American Association of State Highway and Transportation Officials, American Road and Transportation Builders Association, and Associated General Contractors of America, *A Guide to Standardized Highway Barrier Hardware* 1995

NCHRP Report 537, *Recommended Guidelines for Curbs and Curb-Barrier Combinations* 2005

H12.3 Research/Literature Search Resources

NCHRP Project 16-04, *Design Guidelines for Safe and Aesthetic Roadside Treatments in Urban Areas* (currently under study)

NCHRP Project 17-11, *Recovery Area Distance Relationships for Highway Roadside*, 2004

NCHRP Project 17-14, *Improved Guidelines for Median Safety, Draft Report*, 2004

NCHRP Project 17-22, *Identification of Vehicular Impact Conditions Associated with Serious Ran-Off-Road Crashes* (currently under study)

NCHRP Projects 17-27, *Parts I and II*, and 17-34, *Parts IV and V, Preparation of the Highway Safety Manual* (currently under study)

NCHRP Project 17-32, *Guidance for the Design and Application of Shoulder and Centerline Rumble Strips* (currently under study)

NCHRP Project 20-07 (192), *Update of Barrier Hardware Guide*, 2005

NCHRP Project 22-09, *Improved Procedures for Cost-Effectiveness Analysis of Roadside Safety Features, and 22-09 (3), Update of RSAP Program*, 1998

NCHRP Project 22-12, *Guidelines for the Selection, Installation, and Maintenance of Highway-Safety Features* (currently under study)

NCHRP Project 22-14, *Improvement of the Procedures for the Safety-Performance Evaluation of Roadside Features*, 2001

NCHRP Project 22-14 (2), *Improved Procedures for Safety-Performance Evaluation of Roadside Features* (currently under study)

NCHRP Report 492, *Roadside Safety Analysis Program – Engineer's Manual*, 2003

H12.4 Web-based Resources

Websites from the following agencies and search engines provide additional roadside safety information:

- Alberta Infrastructure and Transportation
- Federal Highway Administration (FHWA)
- Transportation Research Board of the National Academies (TRB)
- National Cooperative Highway Research Program (NCHRP)
- TRIS Online
- State DOT Search Engine

H12.5 Suggested Keywords for Literature Searches

The following key words may serve as a starting point for a literature search of library or internet database resources:

- Barrier
- Collision
- Concrete Barrier
- Crash
- Curb
- Ditch
- Barrier
- Guide Rail
- Guiderail
- Guardrail
- Median
- Median Width
- Roadside Safety
- RSAP
- Roadside Safety Analysis Program
- *NCHRP Report 492*
- *NCHRP Report 350*
- Rumble Strips
- Severity
- Slope
- Longitudinal traffic barrier
- Work Zone.

H12.6 References

The following documents were used during the development of this section:

Alberta Infrastructure and Transportation,
Highway Geometric Design Guide,
Edmonton, AB, 1999.

Alberta Infrastructure and Transportation,
Traffic Control Standards Manual,
Edmonton, AB, 1995.

American Association of State Highway and
Transportation Officials, *Highway Safety Design
and Operations Guide 1997*,
Washington, DC, 1997.

American Association of State Highway and
Transportation Officials,
Roadside Design Guide 2002,
Washington, DC, 2002.

*Canadian Highway Bridge Design Code
(CSA-S6-06)*

Joint Cooperative Committee of the American
Association of State Highway and Transportation
Officials, American Road and Transportation
Builders Association, and Associated General
Contractors of America, *A Guide to Standardized
Highway Barrier Hardware 1995*