

## 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 The dynamics of the Internet mean that a listing of internet web sites would quickly be outdated and incomplete.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*