

ACKNOWLEDGEMENTS

This Roadside Design Guide was prepared by UMA Engineering Ltd. and NCE Limited under the direction of the Roadside Design Guide Steering Committee, Alberta Infrastructure and Transportation. The committee includes members from the department representing various functional areas related to highways, such as Design, Planning, Operations, Traffic, Bridge Engineering and Regional Transportation. The committee has researched many topics to develop a provincial design policy with respect to the design of roadside features that increase the safety to the motoring public. These topics include roadside design guidelines and practices, the roadside design process, barrier systems and end treatments, bridge approach rail systems, protection of overhead signs and poles, and other topics.

Members of the Team that researched and developed this Roadside Design Guide are listed below:

INFTRA Roadside Design Technical Review Committee

Bill Kenny (Chairman)	Bruno St. Amand
Jim Der	Wing Choy
Raymond Yu	Naveed Butt
Richard Chow	Corinna Mulyk
Chris Black	Terry Carter

UMA Engineering Ltd.

Al Porter
Wayne Stewart
Bob Ramsay
Miranda McDonald
Nel San Pedro

NCE Limited

Edward Chiu
Dave Wilson

Carolyn Watt & Associates Inc.

Carolyn Watt

Independent Consultant

Dr. King Mak
Dr. John Morrall

Worcester Polytechnic Institute

Dr. Malcolm Ray

In the preparation of this design guide, information from other design guides, policy documents and manuals has been used, including:

- 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, *A Guide to Standardized Highway Barrier Hardware 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)*