



CSA S7:23
National Standard of Canada



Pedestrian, cycling, and multiuse bridge design guideline



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Preface

This is the first edition of CSA S7, *Pedestrian, cycling, and multiuse bridge design guideline*.

This Guideline is based on limit states design principles and defines design loads, load combinations and load factors, criteria for earthquake resistant design, detailed design criteria for various materials and geometry, sustainability and durability, as well as guidelines for aesthetic considerations in Annex B.

This Guideline has been written in normative (mandatory) language to facilitate adoption where users of the Guideline, owners, or regulatory authorities may wish to adopt it formally.

CSA Group acknowledges that the development of this Guideline was made possible by the financial support from AluQuébec, British Columbia Ministry of Transportation and Infrastructure, Canadian Institute of Steel Construction, Canadian Wood Council, City of Edmonton, City of Mississauga, City of Toronto, Ontario Ministry of Transportation, and Ministère des Transports et de la mobilité durable (of Québec). CSA Group also acknowledges the role of the Transportation Association of Canada's Structures Committee in the conception of this Guideline.

This Guideline was prepared by the Subcommittee on Pedestrian, Cycling, and Multiuse Bridge Design, under the jurisdiction of the Technical Committee on the Canadian Highway Bridge Design Code and the Steering Committee on Construction and Civil Infrastructure, and has been formally approved by the Technical Committee.

This Guideline has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Notes:

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *Although the intended primary application of this Guideline is stated in its Scope, it is important to note that it remains the responsibility of the users of the Guideline to judge its suitability for their particular purpose.*
- 3) *This Guideline was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Guideline.*
- 4) *To submit a request for interpretation of this Guideline, please send the following information to inquiries@csagroup.org and include “Request for interpretation” in the subject line:*
 - a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
 - b) *provide an explanation of circumstances surrounding the actual field condition; and*
 - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

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- 5) *This Guideline is subject to review within five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include “Proposal for change” in the subject line:*
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 - c) *wording of the proposed change; and*
 - d) *rationale for the change.*