



CSA S7:23
National Standard of Canada



Pedestrian, cycling, and multiuse bridge design guideline



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Contents

Technical Committee on the Canadian Highway Bridge Design Code	8
Subcommittee on Pedestrian, Cycling, and Multiuse Bridge Design	12
Owners Working Group	14
Aesthetic Considerations Working Group	15
Evaluation, Inspection, Maintenance, and Rehabilitation Working Group	16
Material Specific Design Provisions Working Group	17
Geometric Design, Accessibility, and Safety Working Group	19
Foundations and Seismic Design Working Group	20
Structures and Analysis Working Group	21
Loads and Vibrations Working Group	23
Durability and Sustainability Working Group	24
Preface	25
0 Introduction	26
0.1 General	26
0.2 Organization of Guideline	26
1 Scope	28
1.1 Scope of Guideline	28
1.2 Bridge users	28
1.3 Accessibility	28
1.4 Bridge components and types	28
1.5 Exclusions	28
1.6 Terminology	29
2 Reference publications	29
3 Definitions, abbreviations, and symbols	37
3.1 Definitions	37
3.2 Abbreviations	41
3.3 Symbols	42
4 General requirements	45
4.1 General	45
4.2 Approval	45
4.3 Design	45
4.3.1 Design philosophy	45

4.3.2	Design and service life	46
4.3.3	Single-load path structures	46
4.3.4	Owner's policy	46
4.3.5	Economics	46
4.3.6	Environment	46
4.3.7	Climate change	47
4.3.8	Aesthetics	48
4.3.9	Conceptual design	48
4.4	Expansion joints and bearings	49
4.4.1	Bearings	49
4.4.2	Expansion joints	49
4.5	Evaluation, inspection, maintenance, and rehabilitation	49
4.6	Construction	49
4.6.1	General	49
4.6.2	Construction safety	49
4.6.3	Construction methods	50
4.6.4	Temporary structures	50
4.6.5	Quality control and assurance	50
4.7	Plans	50
4.8	Lifting and jacking points	50
4.9	Utilities	51
4.9.1	General	51
4.9.2	Location and attachment	51
4.10	Durability and maintenance	51
4.10.1	Durability and protection	51
4.10.2	Bridge deck drainage	51
4.11	Hydraulic design	51
5	Geometric design, accessibility, and safety considerations	52
5.1	General	52
5.2	Bridge geometry	52
5.2.1	Vertical clearances	52
5.2.2	Horizontal clearances	52
5.2.3	Maximum grades	53
5.2.4	Cross-slopes	53
5.2.5	Design speed for cyclists	53
5.2.6	Stopping sight distance for cyclists	53
5.2.7	Minimum design curve radii for cyclists	53
5.3	Stairs, walkways, and ramps	53
5.3.1	General	53
5.3.2	Stairs	54
5.3.3	Walkways and ramps	55
5.4	Walkway junctions	56
5.5	Barriers	56
5.5.1	General	56
5.5.2	Barrier appraisal factors	56
5.5.3	Height of barriers	57
5.5.4	Design of barriers to not facilitate climbing	57
5.5.5	Design of barriers to not facilitate catching	57

5.5.6	Pedestrian barriers	57
5.5.7	Bicycle barriers	57
5.5.8	Equestrian barriers	57
5.5.9	Barriers for other users	57
5.5.10	Winter considerations	57
5.5.11	Increase to barrier heights	57
5.6	Handrails	58
5.6.1	General	58
5.6.2	Required handrails	58
5.6.3	Design of handrails	58
5.7	Drainage	58
5.8	Curbs	58
5.8.1	General	58
5.8.2	Geometry	58
5.8.3	Edge protection	59
5.9	Deck surface	59
5.9.1	General	59
5.9.2	Design	59
5.9.3	Functionality	59
5.9.4	Deck surface characteristics	59
5.10	Lighting	61
5.10.1	General	61
5.10.2	Bridge illumination	61
5.10.3	Lighting fixtures	61
5.10.4	Lighting systems	62
5.11	Deterring undesirable use	62
5.11.1	General	62
5.11.2	Maintenance	62
5.11.3	Access control	62
5.12	Traffic control	62
5.12.1	Signage	62
5.12.2	Bollards	62
5.12.3	Pavement markings	62
6	Loads	63
6.1	General	63
6.2	Limit states criteria	63
6.2.1	General	63
6.2.2	Ultimate limit states	63
6.2.3	Fatigue limit state	63
6.2.4	Serviceability limit state	63
6.3	Load factors and load combinations	64
6.4	Dead load	66
6.5	Pedestrian load	66
6.6	Equestrian load	66
6.7	Maintenance vehicle load	66
6.8	Emergency vehicle load	67
6.9	Snowmobile loads	67
6.10	Wind loads	67

6.11	Snow loads	67
6.12	Handrail and barrier load	68
6.12.1	Pedestrian and bicycle barrier load	68
6.12.2	Equestrian barrier load	68
6.12.3	Snowmobile barrier load	68
6.12.4	Handrail load	68
6.13	Wind-induced fatigue load	68
6.13.1	General	68
6.13.2	Natural wind gust	68
6.13.3	Truck-induced gust	69
6.14	Vehicle/vessel collision loads	69
6.15	Longitudinal horizontal forces	69
7	Design for pedestrian- and wind-induced vibrations	70
7.1	General and design philosophy	70
7.1.1	General	70
7.1.2	Design philosophy	70
7.2	Damping ratio	70
7.2.1	Structural damping values for vibrations and serviceability limit states	70
7.2.2	Structural damping values for ultimate limit state	70
7.3	Pedestrian-induced vibration design	71
7.3.1	General	71
7.3.2	Stage 1: Frequency evaluation	73
7.3.3	Stage 2: Vibration evaluation	74
7.3.4	Stage 3: Measures for vibration control or improved vibration performance (if necessary)	77
7.4	Structural verifications under pedestrian-induced dynamic loads	78
7.4.1	General	78
7.4.2	Service limit state verifications	78
7.4.3	Ultimate limit state verifications	78
7.5	Wind-induced vibration design	78
8	Methods of analysis	79
8.1	General	79
8.2	General requirements	79
8.2.1	Application	79
8.2.2	Large-deflection theory	79
8.3	Transient load application	79
8.4	Barriers	79
8.5	Beam type bridges	79
8.5.1	Longitudinal load effects in multiple-girder bridges	79
8.5.2	Curved bridges	80
8.6	Simplified analysis of simply-supported pony truss bridges	80
8.6.1	Analysis criteria	80
8.6.2	Methods of analysis	81
8.7	Decks	81
8.8	Arch bridges	81
8.8.1	General	81
8.8.2	General considerations	81
8.8.3	Shallow arches	82

8.8.4	Geometric control in construction	83
8.9	Cable supported structures	83
8.9.1	General considerations	83
8.9.2	Suspension bridges — General considerations	83
8.9.3	Cable-stay bridges — General considerations	84
8.9.4	Stress-ribbon bridges — General considerations	85
8.10	Buried structures	86
8.10.1	General	86
8.10.2	Minimum height of cover	86
9	Material-specific design provisions	86
9.1	General	86
9.2	Steel	86
9.2.1	General	86
9.2.2	Materials	87
9.2.3	Design requirements	87
9.2.4	Durability	87
9.2.5	AESS	87
9.2.6	Design of steel connections	87
9.2.7	Structural fatigue	88
9.2.8	Fracture control and fracture toughness	89
9.2.9	Construction requirements	92
9.3	Aluminum	94
9.3.1	General	94
9.3.2	Materials	94
9.3.3	Durability	94
9.3.4	Design details	95
9.3.5	Structural fatigue	96
9.3.6	Splice and connections	97
9.3.7	Design of aluminum tubular connections	97
9.3.8	Construction considerations	97
9.4	Concrete structures	98
9.4.1	General	98
9.4.2	Limit states	98
9.4.3	Redundancy and non-standard members	98
9.4.4	Flexure and axial loads — Assumptions for the ULS	98
9.4.5	Shear and torsion — Interface regions	98
9.4.6	Durability	99
9.4.7	Deck slabs	99
9.5	Wood	100
9.5.1	General	100
9.5.2	Materials	100
9.5.3	Structural elements and systems	100
9.5.4	Design	101
9.6	FRP structures	101
9.6.1	General	101
9.6.2	Qualified suppliers	101
9.6.3	Structural and durability qualification of FRP	101
9.6.4	Design	101

9.6.5	FRP structural shapes	102
9.6.6	GFRP composite bridges	102
9.7	Glass elements in barriers	105
9.7.1	Scope	105
9.7.2	Barriers	105
10	Foundations and seismic design	110
10.1	General	110
10.2	Foundation design	110
10.2.1	Consequence and site understanding classification	110
10.2.2	Geotechnical report	110
10.2.3	Geotechnical resistance	111
10.2.4	Surcharge	111
10.2.5	MSE wall systems	111
10.2.6	Seismic design of foundations	112
10.3	Seismic design	112
10.3.1	Importance categories	112
10.3.2	Analysis and design approach for multi-span bridges	112
10.3.3	Performance-based design	113
10.3.4	Importance factor for force-based design	116
10.3.5	Load factors and load combinations	116
10.3.6	Minimum support length requirements	116
10.3.7	Foundations and geotechnical systems	116
10.3.8	Seismic base isolation and supplemental damping	117
10.3.9	Seismic evaluation of existing bridges	119
10.4	Seismic rehabilitation — Performance criteria	120
11	Durability and sustainability	120
11.1	General	120
11.2	Design for durability	120
11.2.1	Materials	120
11.2.2	Walkway surface	125
11.3	Design for sustainability	127
12	Evaluation, inspection, maintenance, and rehabilitation	127
12.1	General	127
12.2	Exclusions	127
12.3	Limit states	127
12.4	Evaluation methodology	128
12.5	Target reliability index	128
12.6	Inspection and maintenance	128
12.6.1	General	128
12.6.2	Inspection and maintenance access	128
12.6.3	Access to primary component voids	128
12.6.4	Superstructure accessibility	128
12.6.5	General access recommendations and requirements	129
12.6.6	Winter operations	129
12.6.7	Inspection	130
12.6.8	Maintenance	130
12.6.9	General maintenance activities	130

12.6.10	Maintainability of components	130
12.6.11	Bearing and expansion joints	131
12.6.12	Cable-supported structures	131
12.7	Rehabilitation	131
12.7.1	General	131
12.7.2	Condition data	131
12.7.3	Conversion of highway and railway bridges to pedestrian bridges	131
12.7.4	Reuse of structural elements in new pedestrian bridges	132
12.7.5	Rehabilitation loads and load factors	132
12.7.6	Analysis	132
12.7.7	Resistance	132
12.7.8	Fatigue and fracture rehabilitation	132
12.7.9	Seismic rehabilitation	133

Annex A (informative)	— Commentary	134
Annex B (informative)	— Aesthetic considerations	190

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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.*