

Bridge Guidelines, Standards and Specifications Revision History

Typically excludes history of minor corrections, minor layout changes, broken link fixes, etc.

Date	Section	Revision description
December 6, 2022	Fabrication and materials	Revised form: Heads-up Notice of Impending Bridge Fabrication Project Requiring QA Inspections
November 17, 2022	Standard drawings	Removed 2014 substructure standard drawings
October 18, 2022	Material templates	Minor updates to the following requisition templates: <ul style="list-style-type: none"> • Timber Deck Materials • HSS Guardrail Materials for Retrofit
October 13, 2022	Supplement to CHBDC	Specified that LOH and HOH traffic loading scenarios are not to be used for new designs. Specified that minimum traffic loading scenario should typically be L100.
October 13, 2022	Material templates	Where applicable: Deleted LOH & HOH; eliminated hidden text; eliminated form fields; ballast wall dimensions minor text modification; steel rebar mill certs supply required, HSS guardrail galvanized option added, and other minor changes.
July 18, 2022	Supplement to CHBDC	WB-19 diagram changed
May 30, 2022	Material templates	Updated timber deck on steel girder materials template posted
May 30, 2022	Forms and resources	<ul style="list-style-type: none"> • "Guidance documents and reports" modified to "Guidance documents, reports and presentations" • Added CWB presentation from Feb 14, 2022
April 20, 2022	Material templates	New version posted: Concrete Deck on Steel Girders
April 13, 2022	Standard drawings	Minor table edits in naming conventions, and moved Open bottom culvert (terraspan GRS Arch) section from #12 to #13 (Jan 27/2022)
April 1, 2022	Material templates	New version posted: ASP
February 14, 2022	Material templates	Updated concrete deck on steel girder materials template
February 10, 2022	Standard drawings – substructures	Posted update drawings – cover, dwgs 2, 3 & 4 – dated January 2022

February 7, 2022	Material templates	Updated ASP template to capture new ASP drawings
February 7, 2022	Standard drawings	New All-Steel Portable Bridge Drawings (Feb 7, 2022) Posted
February 1, 2022	Material templates	Inserted Aluminum Bridge interim template
Jan 19, 2022		<p>Welding Qualifications</p> <ul style="list-style-type: none"> Companies responsible for field welded construction must be certified, at the time of project tender and for the duration of fabrication, to Division 3, or better, of CSA W47.1 Certification of Companies for Fusion Welding of Steel Structures. All welders, welding operators and welding procedures shall be qualified under the requirements of the applicable CSA company certification standards. All CWB certified companies are required to have certified welders and written approved welding procedures for each specific type of weld produced (Welding Procedure Data Sheets). <p>Before Welding</p> <ul style="list-style-type: none"> Before assembling any plate girders or complex parts, the surfaces of all materials are examined for imperfections and the joint edge preparation for all groove welds is verified as conforming with the Canadian Welding Bureau's approved welding standards procedure acceptable tolerances; Any non-conformance is resolved; and CWB approved welding procedures (and accompanying proof that the pre-qualified welds are approved by the Canadian Welding Bureau pre-qualified) are available for review by any inspectors. (Specifically which inspector - fabricator/erector, or Ministry or all?) <p>During Welding</p> <ul style="list-style-type: none"> During the welding process, in addition to any other requirements specified by CSA requirements, the fabricator shall ensure that: All shop welding on is done by a company certified to CSA W47.1, Division 2 or better; field welding done by Division 3 or better; and all done in

		<p>accordance with the Canadian Welding Bureau's approved welding standards procedures;</p> <ul style="list-style-type: none"> • The edge preparations for all groove welds conform to the dimensions established in those standards procedures; • The strength level and chemical composition of all filler materials used in structural assemblies conform to the approved shop drawing details; • All welding consumables conform to the standards and are received, stored and conditioned to the applicable construction standards; • Any preheating required before welding is done according to the applicable construction standards and CWB approved procedures; and • The welding procedure, including the use of heat treatment applied in welding any joint in a structural component, conforms to the applicable construction and certification standards.
Dec 21, 2022	Professional reliance	Insert new FS138TRAN document and link
Dec 20, 2022	BGSS, professional reliance	Update link to new EGBC/ABC FP <i>Crossing Guidelines</i> and EGBC <i>Authentication of Documents</i>
Dec 6, 2021	Supplement section 3.8.4.1 c)	<p>Previous:</p> <p>For FLS and SLS Combination 2, the traffic load shall be one truck only placed at the centre of the design lane. The lane load shall not be considered. The lateral wheel load distribution shall be 50%-50%. For L-165 bridges, the L-150 truck shall be used for FLS and SLS Combination 2 analysis.</p> <p>Revision:</p> <p>For FLS and SLS Combination 2, the traffic load shall be one truck increased by the dynamic load allowance and placed at the centre of the design lane. The lane load shall not be considered. The lateral wheel load distribution shall be 50%-50%. For L-165 bridges, the L-150 truck shall be used for FLS and SLS Combination 2 analysis.</p>
October 7, 2021	New BGSS website	BGSS website posted