

LRFD Bridge Design Manual Update ~ January 1, 2024

BDM Articles Updated	Description of BDM Update	Implementation Date
3.1.3	New or edited definitions: backwater, existing condition, natural stage/normal stage, pre-development condition, proposed condition, stage.	January 1, 2024
3.2.2.1	Moved regulatory criteria for development in a FEMA floodplain or floodway to BDM 3.2.2.3. Clarification that USGS SIR 2013-5086 Report, (which is not the same as “StreamStats”) should be used for estimating design discharges for drainage basins larger than 20 square miles.	January 1, 2024
3.2.2.3	Clarifications and additions to bridge backwater criteria policy.	January 1, 2024
3.4.2.6	Edit changed term from Texas single slope barrier rail to Iowa standard single slope barrier rail.	January 1, 2024
3.6.2.1	Grammar corrections.	January 1, 2024
3.6.2.2	Minor edits/clarifications.	January 1, 2024
3.6.8	Section title changed from Barrier rails to Railings. Barrier rail updates and additional information regarding separation rail and barrier end treatments.	January 1, 2024
3.6.8.1	New article Barrier Rail End Treatments.	January 1, 2024
3.6.8.2	New article Separation Rail.	January 1, 2024
3.6.9	Reference to addition of staging sketches in the commentary.	January 1, 2024
C3.6.9	Added 2 staging sketch example figures.	January 1, 2024
3.8	Added D0 to table to reflect contingency = 20%.	January 1, 2024
3.10.1	Updates and clarification of backwater definitions, procedures, and policy.	January 1, 2024
3.14	Edit changed term from Texas single slope barrier rail to Iowa DOT standard single slope barrier rail.	January 1, 2024
4.3.1	Culvert Database (old pink sheets) rewritten for clarification.	January 1, 2024
4.4.9	Grammar correction.	January 1, 2024
4.4.12	Added policy recommendation to indicate wrapped joints for temporary run around detour pipes.	January 1, 2024
4.5.7, 7.2.4.10	Expanded guidance for RCB flowable mortar projects.	January 1, 2024
5.4.1.3.1	Clarified that load modifier may be taken as 1.00 for two or more beams for staged construction.	January 1, 2024
5.4.1.3.2	Minor corrections.	January 1, 2024
5.4.1.4.2	All A to D PPCB concrete strengths are now given on the standard CADD sheets such that a reference to IDOT SS 2407.03, B, 3 is no longer needed.	January 1, 2024
5.4.1.4.1.3	Minor clarification.	January 1, 2024

5.4.1.4.1.10	Anchorage zone reinforcement at beam ends may neglect prestress force in debonded strands at the beam ends.	January 1, 2024
5.4.1.4.1.11	Corrected maximum permissible overhang for D beams in Table 5.4.1.4.1.11-1.	January 1, 2024