



BrDR 7.7 & 7.8 Highlights / 7.9 Overview

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What's new in BrDR since last meeting?

- BrDR 7.7.0 released October 2025
- BrDR 7.7.1 released February 2026
- BrDR 7.8.0 released July 2026

BrDR 7.7.0 – October 2025

- Section 508 Accessibility compliance
- Turn off notification beep
- Maintenance issue
 - BSSD-5173 Discrepancy between input window and help menu for gusset plate partial shear => [Technical Note 85](#)
- Bug fixes

BrDR 7.7.1 – February 2026

- Bug fixes
 - BSSD-5709 Bridge parameters XML version conversion issue => [Technical Note 87](#)
 - BSSD-5713 Bridge Description (cont'd) tab parameters not visible – Oracle

BrDR 7.8.0 – July 2026

- Substructure reinforced concrete pier cap LRFR analysis
- Next generation of Report Tool Phase 2 – All superstructure types
- Data exchange through BrM 7's AASHTOWare OpenAPI connection
- Analysis runtime performance and memory usage improvements
- AASHTO Analysis Engine output data management and reporting improvements

BrDR 7.8.0 – July 2026

- Top voted RADBUG enhancements
 - BSSD-1891 Tabular results filter by action and limit state
 - BSSD-3361 Tabular results update for Safe Posting Load
- Maintenance issues
 - BSSD-1560 Revise effective flange width calculations to compute the concrete E and resulting n values
 - BSSD-1572 Use average Kg to calculate LLDF when Kg is different between the left and right sides
 - BSSD-1594 Additional deck templates for the Superstructure Definition Wizard
 - BSSD-1595 Revise Superstructure Definition Wizard to set ASR and LRFR analysis modules

BrDR 7.8.0 – July 2026

- BSSD-1748 Report reactions at interior support bearings for simple DL and continuous LL beams
- BSSD-3386 Analyze Advanced post-tensioned concrete member without post-tensioning defined
- BSSD-3916 Make system tolerance defaults available to Bridge Workspace
- BSSD-3998 Effective radius of gyration for flanges and cover plates of different widths
- BSSD-4008 Consider lane loading in the Load Rating Tool
- BSSD-4043 Revise application of concentrated member loads in 3D FE models

BrDR 7.8.0 – July 2026

- BSSD-4096 Consider LRFD Equation 6.10.4.2.2-4 for load ratings
- BSSD-4098 Consider flange lateral bending stress for MBE 6A.6.4.2.2 Service Limit State
- BSSD-4340 Revise the “Ignore longitudinal reinforcement in rating” control option name
- BSSD-4371 Display square rebar in schematic
- BSSD-4458 Ability to specify allowable stress factors for each material
- Bug fixes

BrDR 7.9.0 – June 2027

- Culvert SSI Phase 2.1 – Reinforced concrete box culvert Part 1
- Next generation of Report Tool Phase 3 – Analysis output
- Steel Plate Girder Design Tool integration
- AASHTO Analysis Engine 2.0 – Influence Line/Surface Loader Module, Lane Pattern Generator, and 3D Stress Integration Module
- BrDR API keys for third-party services
- Top voted 2024 RADBUG enhancements
 - BSSD-1605 Harped and debonded strands limits (BrD #2)
 - BSSD-1833 Analyze local web yielding and web crippling for steel beam ends (BrR #5)

BrDR 7.9.0 – June 2027

- BSSD-3610 Evaluation for shear per MBE 6A.5.8 (BrR #10)
- BSSD-3805 ARC Tool: Report bridges that failed to analyze (BrR #9)
- BSSD-4012 Steel Design Tool: Provide steel weight for each design and review option (BrD #8)
- BSSD-4342 Specify separate “Default Analysis Settings Template” for BrR and BrD (BrD #7)
- BSSD-4736 Default tabular results display format to “Single Rating Level Per Row” (BrR #3)
- +1 to be decided
- Maintenance issues
- Bug fixes

BrDR 8.0.0 – Planning in the works

- Culvert SSI Phase 2.1 – Reinforced concrete box culvert Part 2
- Next generation of Report Tool Phase 4 – Enhancements
- Prestressed Concrete Design Tool integration
- AASHTO Analysis Engine 2.0 – 3D FEM analysis improvements
- Concrete channel beam modeling and analysis
- Load Rating Tool – Removing limitations
- Superstructure middleware layer implementation
- ARC Tool enhancements
- Supporting IFC export

BrDR 8.0.0 – June 2028

- Modernizing Help
- Top voted 2025 and 2026 RADBUG enhancements (2 year's budget)
- Maintenance issues
- Bug fixes

The background of the slide is a photograph of a long bridge spanning a body of water, with a rocky shoreline in the foreground. The entire image is covered with a semi-transparent blue overlay. The text "Thank You" and "Any questions?" is written in white, sans-serif font on the right side of the image.

Thank You

Any questions?

BrDR Service Request Management

- Bug – A defect or error in the software that causes it to behave differently from its intended design.
- Maintenance – Any update to the software that was not originally planned or scoped during development but is necessary to facilitate correct operation.
- Enhancement – An improvement or addition to the software that introduces new functionality and is not classified as a bug or maintenance.