

TR-832 Implementation of AASHTOWare BrR Program for Rating Iowa Bridges

Status on Template Completion (12/5/2024)

Research project TR-832 is creating BrR templates for Iowa's standard bridges. Research is expected to complete by January 2026.

The final project will provide the following:

- Rating Booklet – General assumptions made controlling ratings for each standard similar to what was provided previously in Phases 1-6.
- BrR Templates for the following standards up to 2017:
 - o H Standards
 - o J Standards
 - o RS Standards
 - o V Standards
 - o S, T, U, W, X, Y, and Z Standards
- BrR Example Templates for the following standards.
 - o B Standard
 - o Triple Reinforced Concrete Box (TTRCB) Standard
 - o Twin Reinforced Concrete Box (TWRCB) Standard
 - o Single Reinforced Concrete Box (RCB) Standard
 - o Corrugated Metal Pipe (CMP)
- Supporting Calculations for all BrR Templates
- Written Guidance on How to Use Templates

In the meantime, we will incrementally upload finalized files and documentation to this folder. The following is the history of what has been uploaded so far.

12/05/2024

- BrR Templates and Supporting Calcs
 - o Example_CMP_L48ft_S6ft5.125in.xml & Supporting Calcs
 - o Template_B30-16_70ft.xml & Supporting Calcs
 - o Template_H40-06_226ft4in.xml & Supporting Calcs
 - o Template_J40-06 & J40-14_150ft.xml & Supporting Calcs
 - o Template_TRRCB-12_12ftSX10ftH_24-25ft Earth Fill.xml & Supporting Calcs
 - o Template_V16-70_250ft.xml & Supporting Calcs
- Library and System Files
 - o IowaDOT_Library_BrR_V750.brlx
 - o IowaDOT_System_BrR_V750.brsx
 - o Curb and Railing Library.pdf
- TR-832 Written Material (In-Progress)
 - o IowaDOT BrR System and Library Data Summary_DRAFT.docx