

AASHTOWare BrD/BrR 6.8.2

Feature Tutorial

HLP1– Help Features

HLP1 - Help Features

This topic describes the various help features and training available in BrD/BrR.

- Online Help
- Engine Related Help
- Limitations Help Topic
- Training Aids

Online Help (BrD/BrR 6.8.2)

There are many different online help files available in BrD/BrR. The following shows the help menu available when a Bridge Workspace is open.

The screenshot displays the Bridge Design/Rating software interface. The main window is titled "Bridge Design/Rating - TrainingBridge1" and shows a menu bar with "File", "Edit", "View", "Bridge", "Substructure", "Tools", "Window", and "Help". The "Help" menu is open, showing options such as "Help Topics", "Frequently Asked Questions", "Support", "Engine Help Configuration", "AASHTO ASD Help", "AASHTO Culvert LFD Help", "AASHTO Culvert LRFD Help", "AASHTO LFD Help", "AASHTO LRFD Help", "AASHTO LRFR Help", "AASHTO Truss LFD Help", "AASHTO Truss LRFR Help", "Madero ASD Help", "BrD Substructure", and "About Bridge Design/Rating".

The "Bridge Explorer" window is open, showing a tree view of the project structure. The tree view includes "All Bridges", "Sample Bridges", and "Deleted Bridges". The "Sample Bridges" folder is expanded, showing a list of bridges with columns for "Bridge ID", "Bridge Name", "Bridge Type", "Bridge Length", and "Bridge Year Built".

Bridge ID	Bridge Name	Bridge Type	Bridge Length	Bridge Year Built
1	TrainingBridge1			
2	TrainingBridge2			
3	TrainingBridge3			
4	PCITrainingBridge1			
5	PCITrainingBridge2			
6	PCITrainingBridge3			
7	PCITrainingBridge4			
8	PCITrainingBridge5			
9	PCITrainingBridge6			
10	Example7			

The "Bridge Workspace - TrainingBridge1" window is also open, showing a tree view of the workspace structure. The tree view includes "Materials", "Beam Shapes", "Appurtenances", "Diaphragm Definitions", "Lateral Bracing Definitions", "Impact / Dynamic Load Allowance", "LFRD Multiple Presence Factors", "Factors", "LFRD Substructure Design Settings", "Environmental Conditions", "Design Parameters", "SUPERSTRUCTURE DEFINITIONS", "BRIDGE ALTERNATIVES", "Simple Span Structure", "Single Span Bridge (E) (C)", "SUPERSTRUCTURES", "Stiffness Analysis", and "PIERS".

The main workspace area displays a table with columns: "ct", "County", "Facility", "Location", "Route", "Feature Intersect", "Mile/Km Post (mi)", "Owner", "Maintainer", "Area", "Length (ft)", and "Year Built". The table contains data for various bridges, including "SR 0051", "I-79", "SR 6060", "Ohio Riv", "SR 4034", "I-76", and "I-95".

HLP1 - Help Features

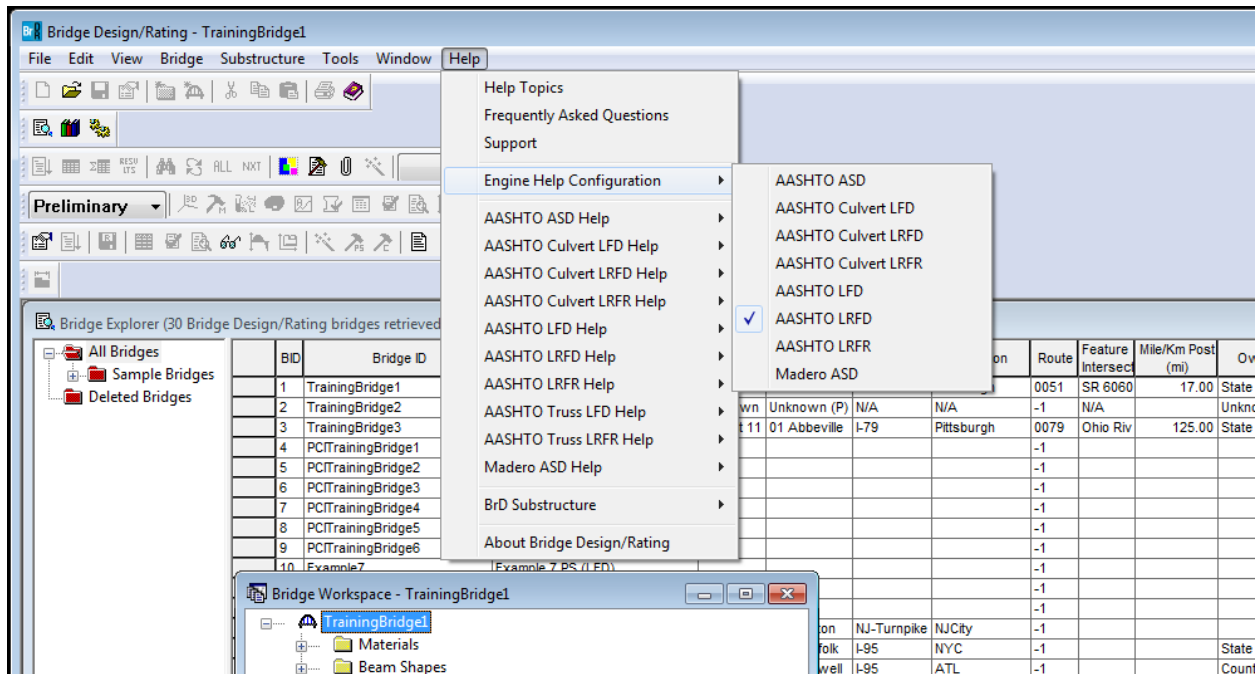
- Selecting “Help Topics” from the menu opens the BrD/BrR help file where you can view the table of contents, the index and search for specific words.
- Selecting “Frequently Ask Questions” from the menu opens a BrD/BrR help file containing frequently asked questions about BrD and BrR.
- Selecting “Engine Help Configuration” configures the engine related help for a particular engine. This is described in more detail in the following section.
- Selecting the “AASHTO...”, “Madero...” selections lets you open help files provided by that particular analysis engine.

Online help is available in each window of BrD and BrR by selecting the F1 button while a window is open. This will open the BrD/BrR help topic for that particular window.

Engine-Related Help

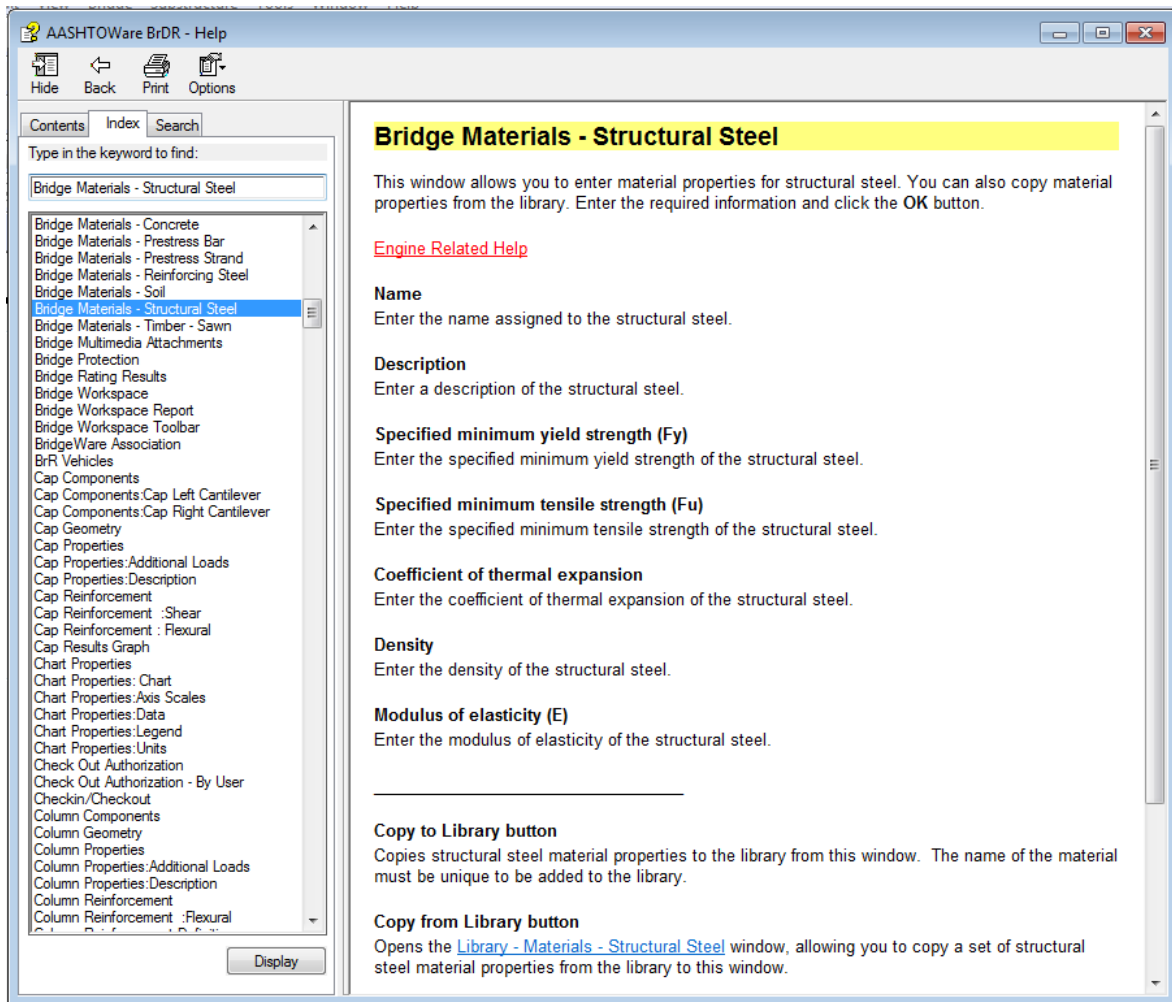
BrD/BrR has been designed to enter data describing the physical characteristics of a bridge without regards to the analysis engine that will be used to analyze the bridge. Therefore, there may be some data in BrD/BrR that may not be used by a particular analysis engine. Each BrD/BrR help topic contains a link to “Engine Related Help” to help you determine which data is not used by your engine.

You can configure the system to display the engine related help for the analysis engine in which you are interested as shown below.

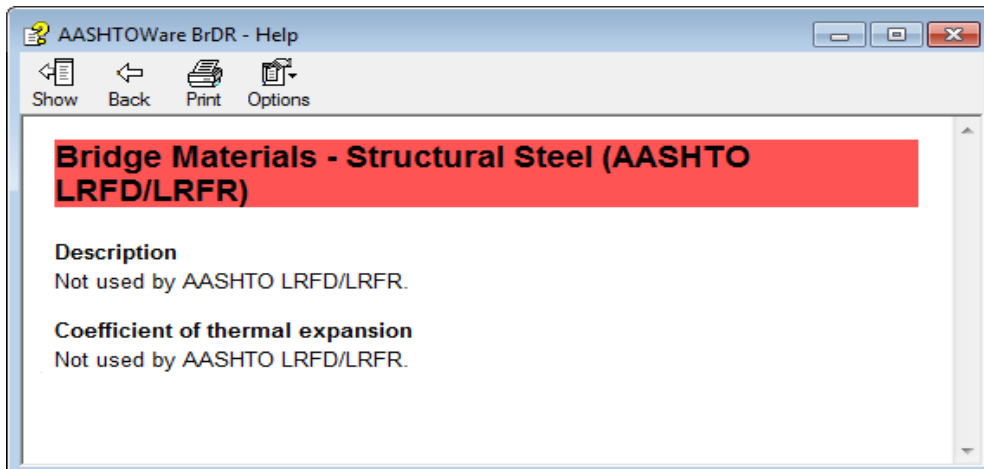


HLP1 - Help Features

The BrD/BrR help topic for the Bridge Structural Steel Material is shown below.



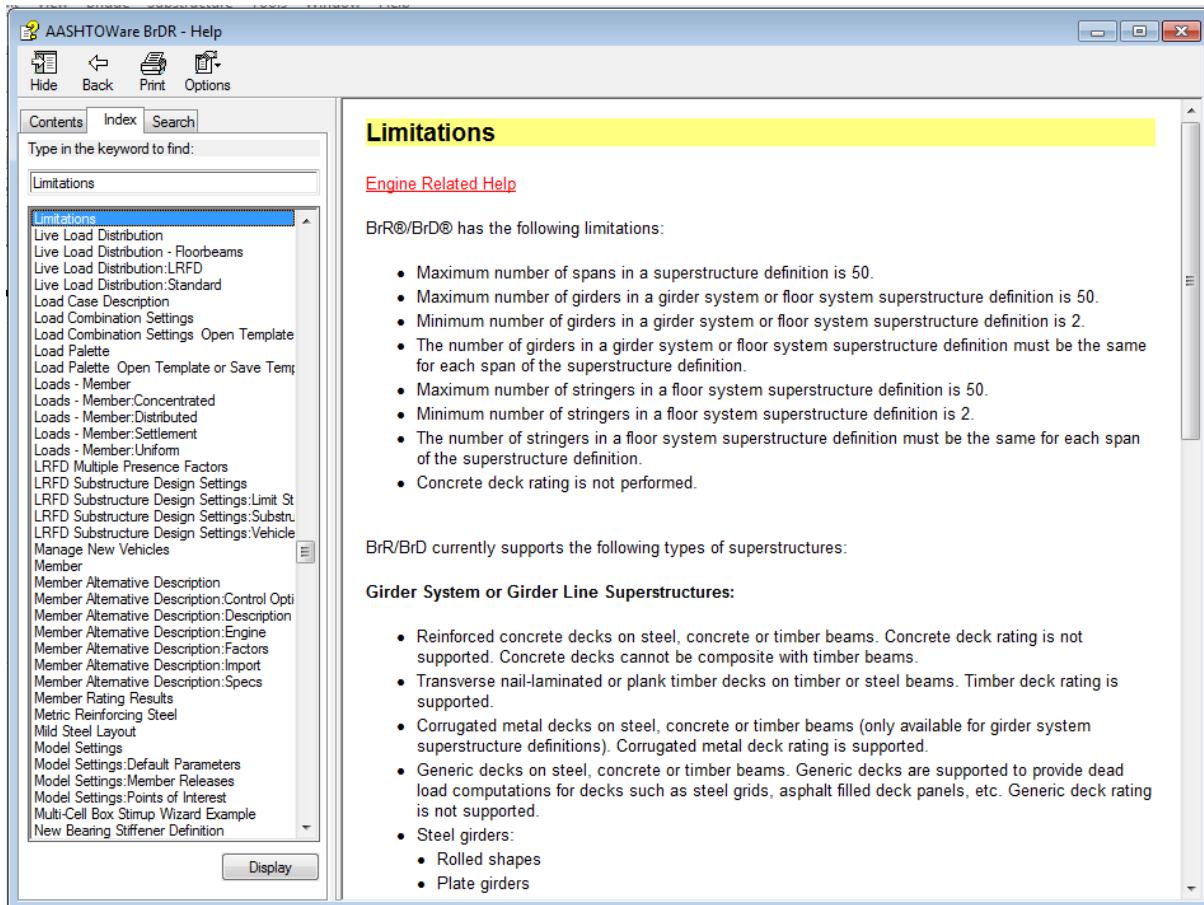
Selecting the Engine Related Help link opens the following window:



Limitations Help Topic

One help topic that merits special attention is the “Limitations” help topic. This topic should be reviewed by users to determine if BrD/BrR supports the type of bridge that they wish to enter. An “Engine Related Help” link is also available to describe any limitations the analysis engine may have.

A portion of the BrD/BrR “Limitations” help topic is shown below.



Training Aids

The BrD/BrR Technical Support website contains example problems that can be used as self-study guides for new users. The BrD/BrR Technical Support website address <http://aashto.mbakercorp.com>. The “Training” section of this website contains approximately 100 example problems for various activities such as entering different bridge and girder types, importing/exporting, rating, etc.