

AASHTOWare BrDR 7.5.0

Getting Started

Getting Started with BrDR/BrM Integration

Getting Started with BrDR/BrM Integration

Topics Covered

- Configuring BrM integration in BrDR.
- Syncing BrDR parameters with BrM.
- AASHTOWare Association – Linking a BrDR bridge to a BrM bridge.
- Batch linking BrDR bridges to BrM bridges.
- Assign vehicles from the BrDR vehicle library to BrM vehicles.
- AASHTOWare Rating – Perform a rating on a linked bridge and update the ratings in BrM.

Configuring BrM Integration in BrDR

Open the AASHTOWare Bridge Admin Utility.

The screenshot shows the 'AASHTOWare Bridge Admin' window with the following sections:

- Database properties:**
 - Enable Check-In/Check-Out
 - Bridge Repository
 - Bridge Exchange
 - Enable Bridge Protection
 - Enable Load Rating Tool
 - Enable BrM Integration
- Database access role settings:**

	Role name	Password	Confirm password
Read only role:	VIRTIS_USER_READ_ONLY_ROLE	••••••••	••••••••
Read/write role:	VIRTIS_USER_READ_WRITE_ROLE	••••••••	••••••~••••••

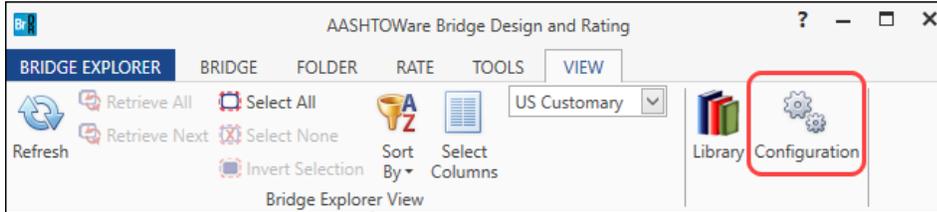
Show password
- Database cleanup:**
 - Modification event cleanup:**
 - Clean events older than days
 - Keep at least events in the event chain
 -
 - Transfer events:**
 - From:
To:

Buttons:

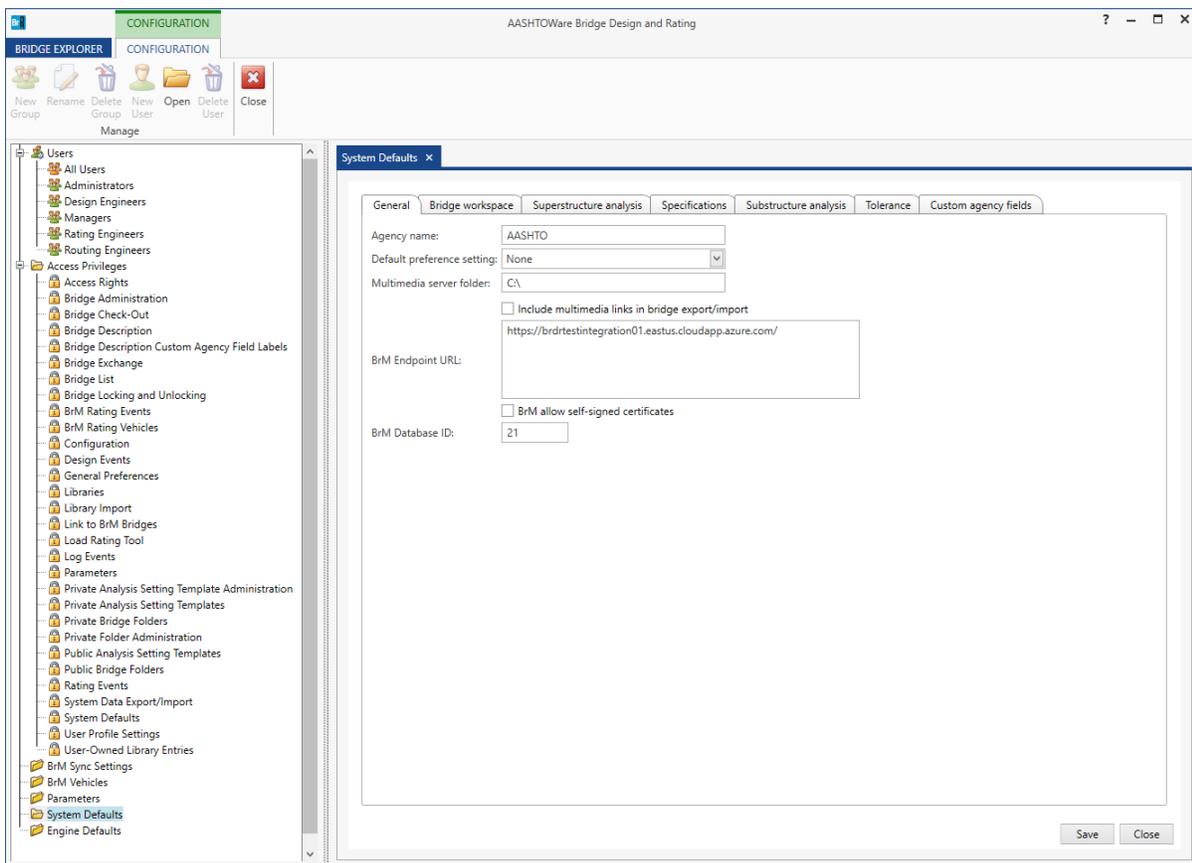
Check the **Enable BrM Integration** box and click **Save**. Close the **Admin Utility**.

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In BrDR, open the **Configuration Browser** by clicking the **Configuration Browser** button  on the **VIEW** ribbon as shown below.



Open the **System Defaults** window by double-clicking the **System Defaults** folder in the **Configuration Browser**.



Enter a **BrM Endpoint URL** and a **BrM Database ID** in the **General** tab. If necessary, check the **BrM allow self-signed certificates** box. (NOTE: The information displayed above is for demonstration purposes only. Enter valid BrM credentials to continue.)

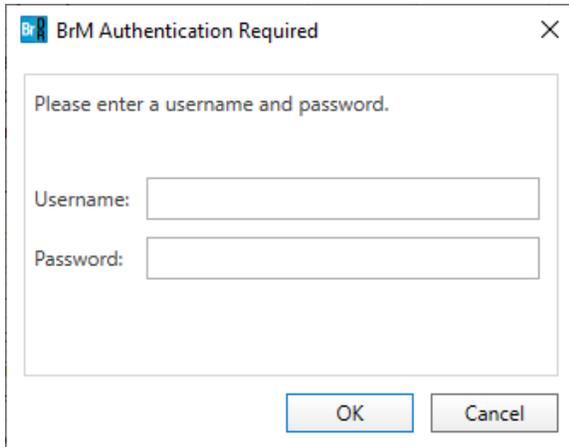
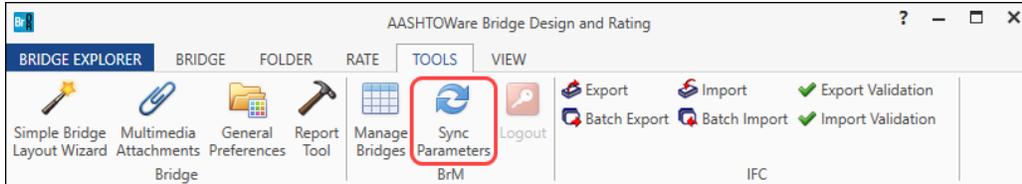
Click **Save** to save and close the **System Defaults** window.

Close the **Configuration Browser**.

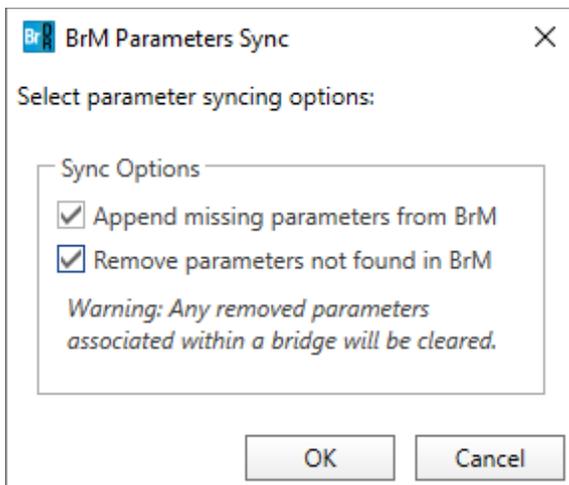
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Syncing BrDR Parameters with BrM

Open the **Sync Parameters** window by clicking the **Sync Parameters** button  from the BrM group of the **TOOLS** ribbon.

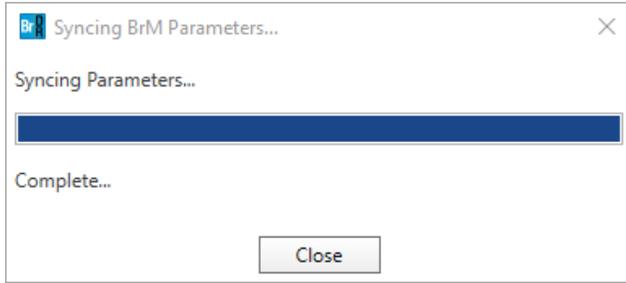


Enter a valid **BrM Username** and **Password** then click **OK** to close the window and continue.



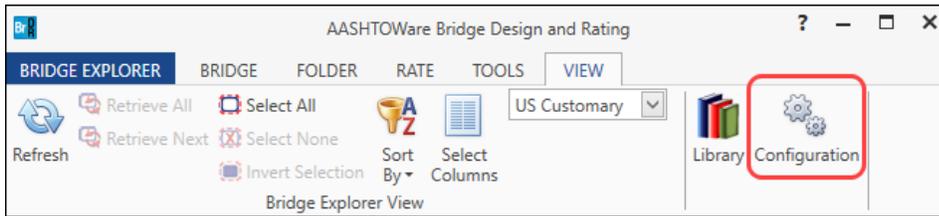
Check the **Append missing parameters from BrM** and **Remove parameters not found in BrM** boxes. Click **OK** to close the window and update the BrDR parameters to match those in BrM. (*NOTE: The **Remove parameters not found in BrM** option will delete any parameters from BrDR that do not also exist in BrM.*)

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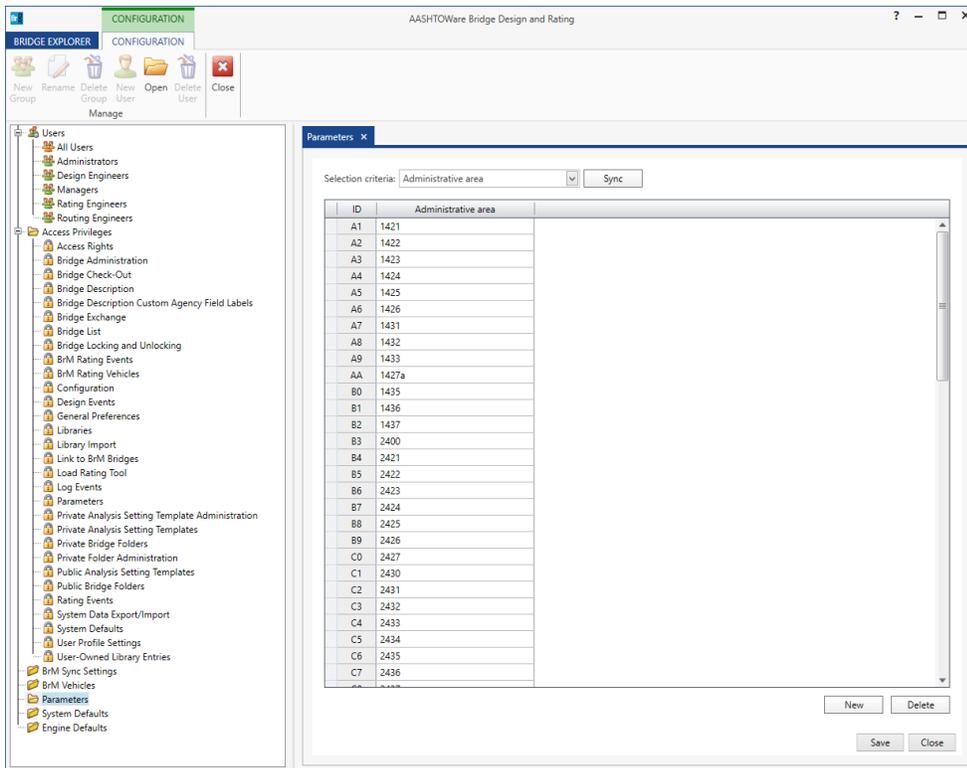


Once the syncing is complete, click **Close** to close the window. The BrM parameters will now be accessible in BrDR.

To view the parameters, open the **Configuration Browser** by clicking the **Configuration Browser** button  on the **VIEW** ribbon as shown below.



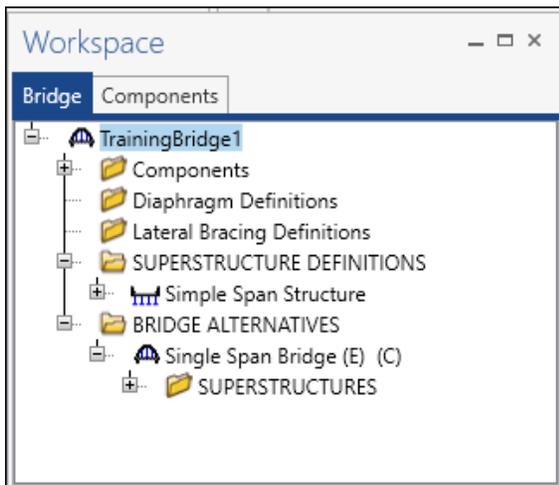
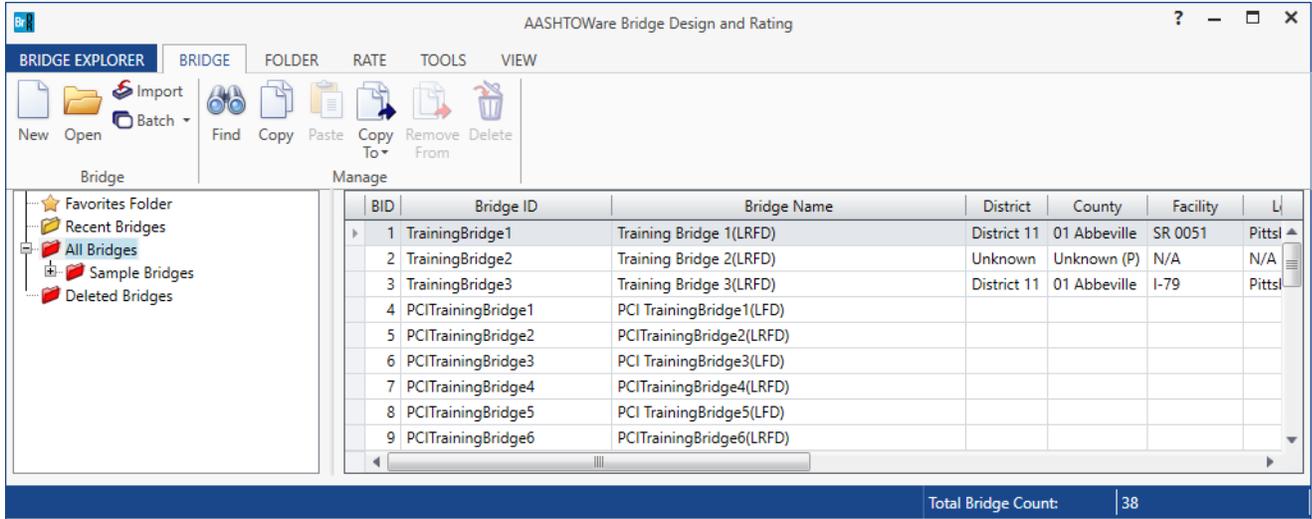
Open the **Parameters** window by double-clicking the **Parameters** folder in the **Configuration Browser**.



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AASHTOWare Association – Linking a BrDR Bridge to a BrM Bridge

Double-click **TrainingBridge1** on the right portion of the **Bridge Explorer** to open the bridge and bring up the **Bridge Workspace**.



Double-click on **TrainingBridge1** () in the **Bridge Workspace** to open the **Bridge Description** window. The **TrainingBridge1** window opens as shown below.

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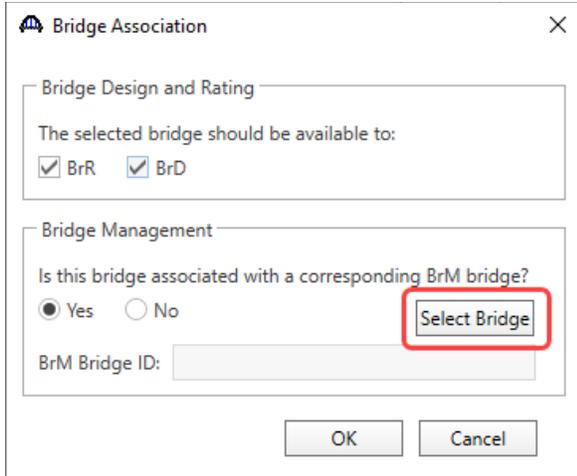
The screenshot shows a software window titled "TrainingBridge1". At the top, there are input fields for "Bridge ID:" (containing "TrainingBridge1") and "NBI structure ID (8):" (containing "TrainingBridge1"). To the right, there are several checkboxes: "Template" (unchecked), "Bridge completely defined" (checked), "Superstructures" (checked), "Culverts" (unchecked), and "Substructures" (unchecked). Below this is a tabbed interface with tabs for "Description", "Description (cont'd)", "Alternatives", "Global reference point", "Traffic", and "Custom agency fields". The "Description" tab is active, showing fields for "Name:" (Training Bridge 1(LRFD)), "Year built:" (1999), "Description:" (empty text area), "Location:" (Pittsburgh), "Length:" (161.00 ft), "Facility carried (7):" (SR 0051), "Route number:" (0051), "Feat. intersected (6):" (SR 6060), "Mi. post:" (17.00), and "Default units:" (US Customary). At the bottom left, there is a "Bridge association..." button and a group of checkboxes for "BrR" (checked), "BrD" (checked), and "BrM" (unchecked), along with a "Sync with BrM" button. At the bottom right, there are "OK", "Apply", and "Cancel" buttons.

On the **Bridge Description(TrainingBridge1)** window, click the **Bridge association** button at the bottom left of the window, to open the **Bridge Association** window as shown below.

The screenshot shows a "Bridge Association" window. It has two main sections. The first section, "Bridge Design and Rating", contains the text "The selected bridge should be available to:" followed by two checked checkboxes for "BrR" and "BrD". The second section, "Bridge Management", contains the question "Is this bridge associated with a corresponding BrM bridge?" with two radio buttons: "Yes" (unchecked) and "No" (checked). To the right of the "No" radio button is a "Select Bridge" button. Below this is a "BrM Bridge ID:" input field. At the bottom of the window are "OK" and "Cancel" buttons.

In the **Bridge Association** window, select **Yes** under **Bridge Management** to link this bridge to a **BrM** bridge. Click the **Select Bridge** button to open **Bridge Association BrM Select** window as shown below.

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The Bridge Association dialog box is shown. It has a title bar with a bridge icon and the text "Bridge Association" and a close button (X). The dialog is divided into two main sections: "Bridge Design and Rating" and "Bridge Management".

Bridge Design and Rating

The selected bridge should be available to:

BrR BrD

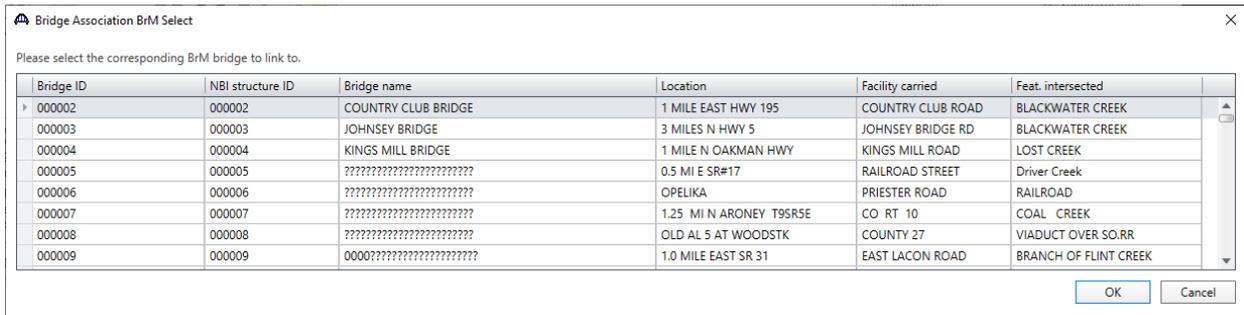
Bridge Management

Is this bridge associated with a corresponding BrM bridge?

Yes No

BrM Bridge ID:

Select the corresponding BrM bridge **000002** to link and click **OK** to establish the association.

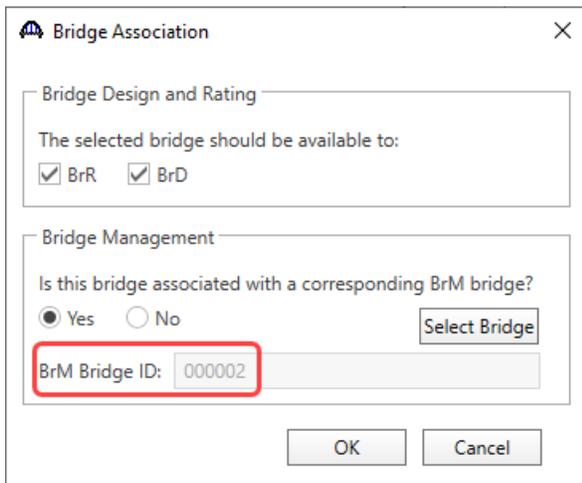


The Bridge Association BrM Select dialog box is shown. It has a title bar with a bridge icon and the text "Bridge Association BrM Select" and a close button (X). The dialog contains a table of BrM bridges to select from.

Please select the corresponding BrM bridge to link to.

Bridge ID	NBI structure ID	Bridge name	Location	Facility carried	Feat. intersected
000002	000002	COUNTRY CLUB BRIDGE	1 MILE EAST HWY 195	COUNTRY CLUB ROAD	BLACKWATER CREEK
000003	000003	JOHNSEY BRIDGE	3 MILES N HWY 5	JOHNSEY BRIDGE RD	BLACKWATER CREEK
000004	000004	KINGS MILL BRIDGE	1 MILE N OAKMAN HWY	KINGS MILL ROAD	LOST CREEK
000005	000005	????????????????????	0.5 MI E SR#17	RAILROAD STREET	Driver Creek
000006	000006	????????????????????	OPELIKA	PRIESTER ROAD	RAILROAD
000007	000007	????????????????????	1.25 MI N ARONEY T9SR5E	CO RT 10	COAL CREEK
000008	000008	????????????????????	OLD AL 5 AT WOODSTK	COUNTY 27	VIADUCT OVER SO.RR
000009	000009	0000????????????????	1.0 MILE EAST SR 31	EAST LACON ROAD	BRANCH OF FLINT CREEK

Creating a link to a bridge in the BrM database will populate some bridge data fields in the BrDR database such as the **Bridge ID**, **NBI Structure ID**, etc. Once a BrDR bridge is linked to a BrM bridge, these data fields that are retrieved from the BrM database cannot be changed in BrDR unless the user breaks the link. The Bridge ID of the linked BrM bridge is populated under **BrM Bridge ID** in the **Bridge Association** window as shown below.



The Bridge Association dialog box is shown, identical to the first image, but with the "BrM Bridge ID" field populated with the value "000002".

Bridge Design and Rating

The selected bridge should be available to:

BrR BrD

Bridge Management

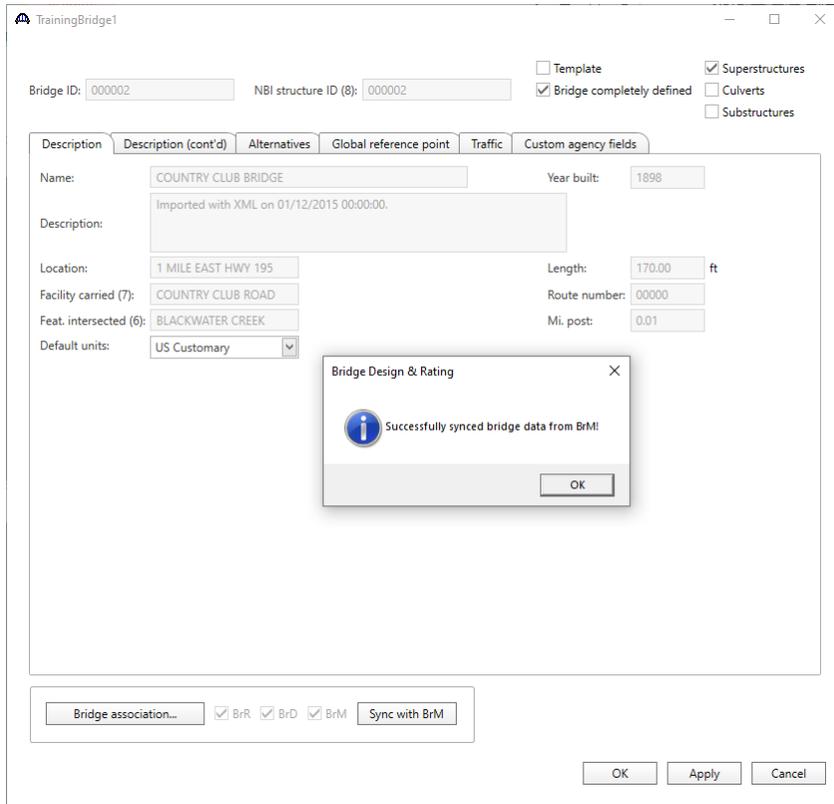
Is this bridge associated with a corresponding BrM bridge?

Yes No

BrM Bridge ID:

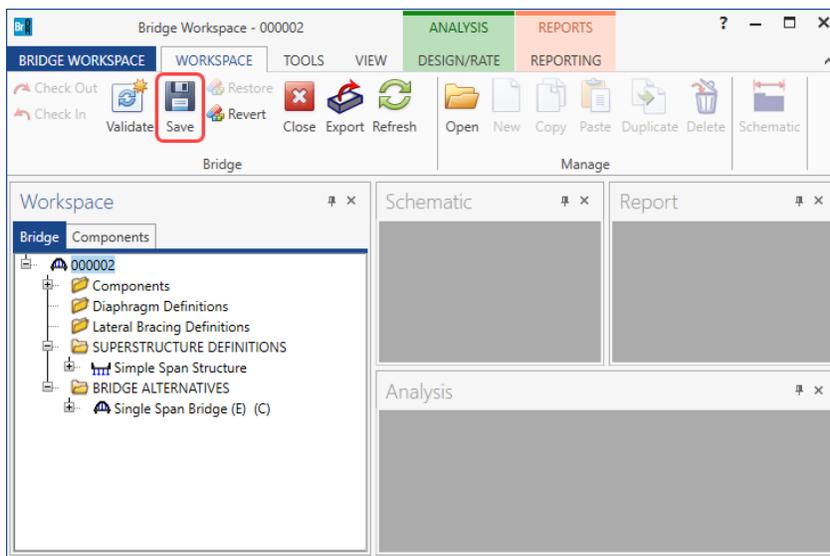
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The **Bridge ID**, **NBI Structure ID**, etc. are updated as shown below in the **Description** tab. Additional fields in the **Description (cont'd)**, **Global reference points**, and **Traffic** tabs are also updated during the BrM sync.



Click **OK** to close the **Bridge Description** window.

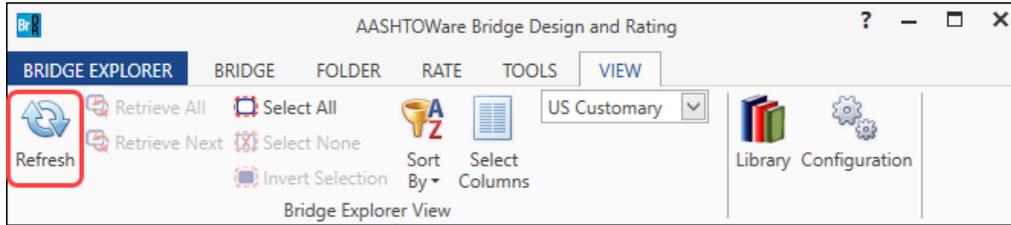
Select the **Save** button from the Bridge group of the **WORKSPACE** ribbon to save the bridge.



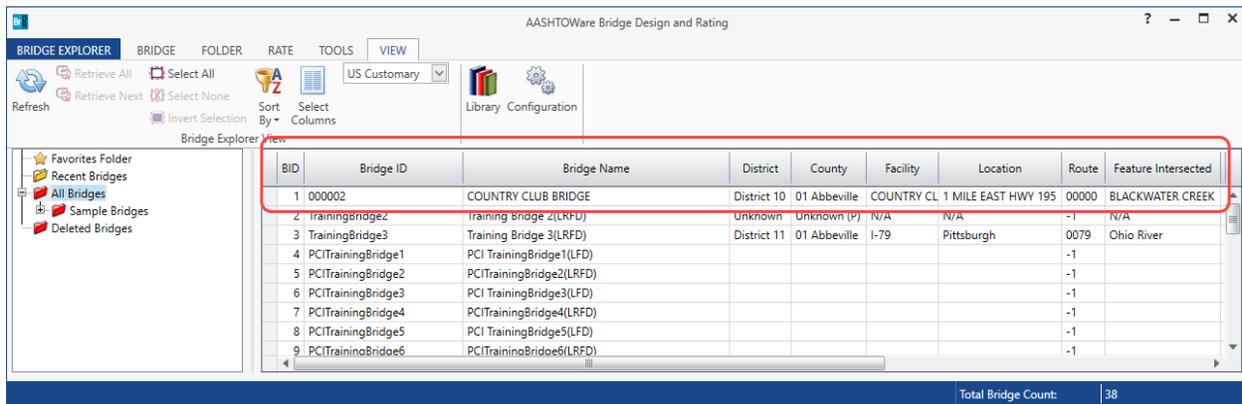
Close the Bridge Workspace

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Click the **Refresh** button  from the **Bridge Explorer View** group of the **VIEW** ribbon to refresh the right portion of the Bridge Explorer.

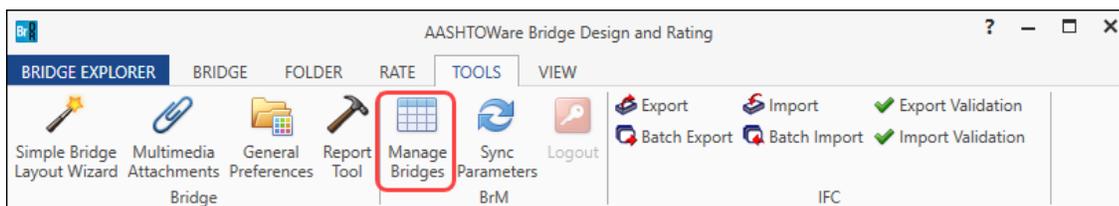


The linked **BrM** bridge is updated in the **Bridge Explorer** as shown below.

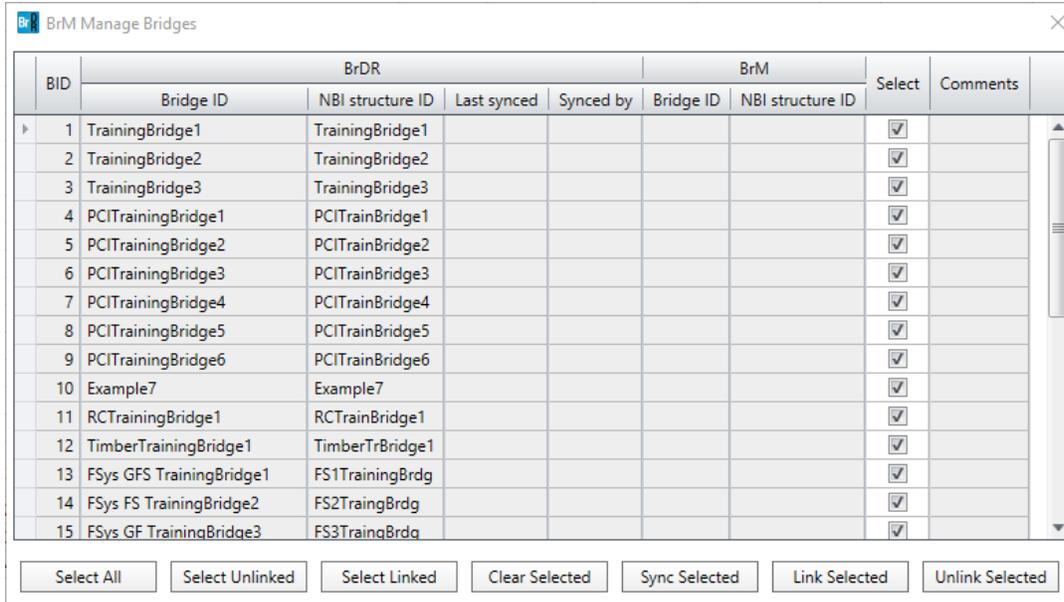


Batch Link BrDR Bridges to BrM Bridges

Open the **BrM Manage Bridges** window by clicking the **Manage Bridges** button  from the **BrM** group of the **TOOLS** ribbon.



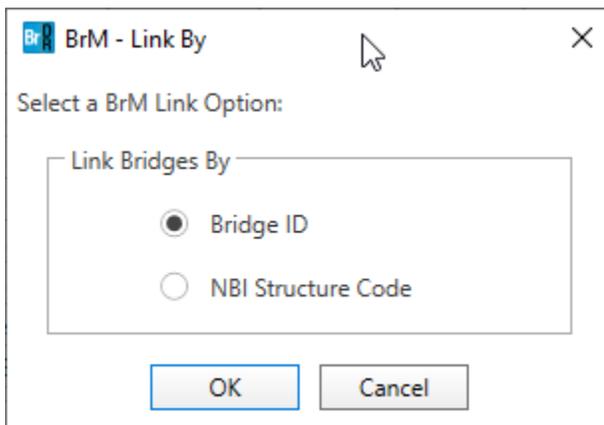
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The screenshot shows the 'BrM Manage Bridges' window. It contains a table with columns for BID, BrDR (Bridge ID, NBI structure ID, Last synced, Synced by), BrM (Bridge ID, NBI structure ID), Select, and Comments. Below the table are several buttons: Select All, Select Unlinked, Select Linked, Clear Selected, Sync Selected, Link Selected, and Unlink Selected.

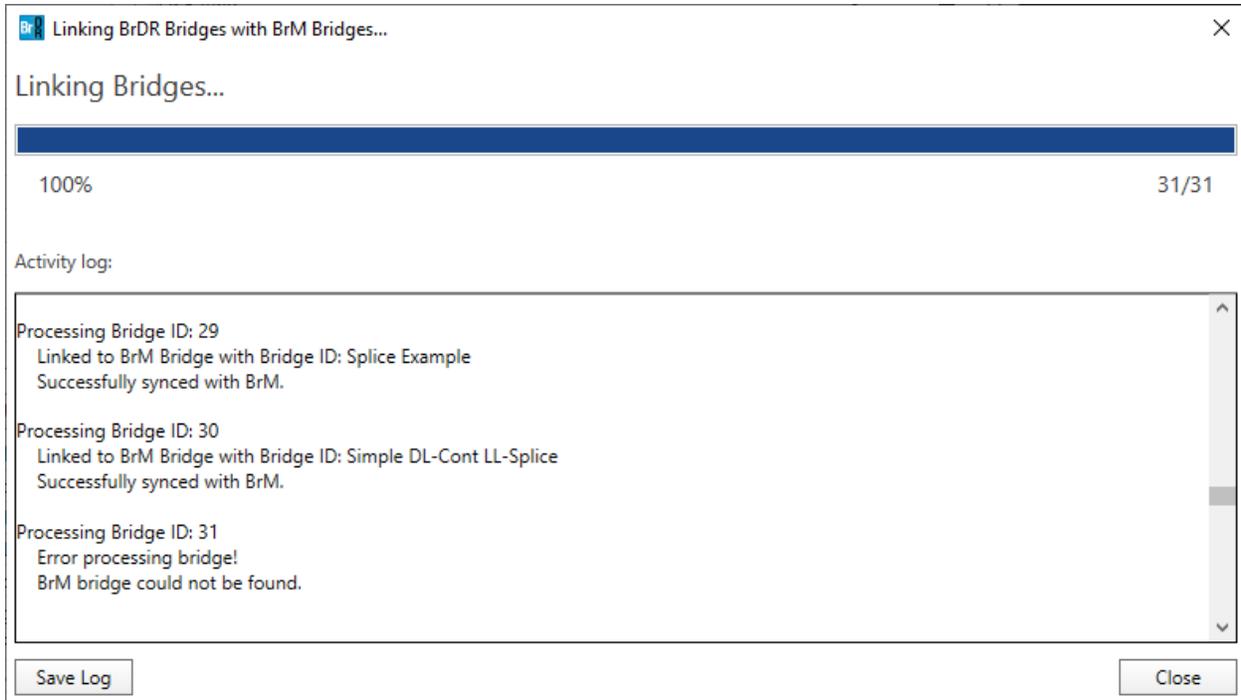
BID	BrDR				BrM		Select	Comments
	Bridge ID	NBI structure ID	Last synced	Synced by	Bridge ID	NBI structure ID		
1	TrainingBridge1	TrainingBridge1					<input checked="" type="checkbox"/>	
2	TrainingBridge2	TrainingBridge2					<input checked="" type="checkbox"/>	
3	TrainingBridge3	TrainingBridge3					<input checked="" type="checkbox"/>	
4	PCITrainingBridge1	PCITrainBridge1					<input checked="" type="checkbox"/>	
5	PCITrainingBridge2	PCITrainBridge2					<input checked="" type="checkbox"/>	
6	PCITrainingBridge3	PCITrainBridge3					<input checked="" type="checkbox"/>	
7	PCITrainingBridge4	PCITrainBridge4					<input checked="" type="checkbox"/>	
8	PCITrainingBridge5	PCITrainBridge5					<input checked="" type="checkbox"/>	
9	PCITrainingBridge6	PCITrainBridge6					<input checked="" type="checkbox"/>	
10	Example7	Example7					<input checked="" type="checkbox"/>	
11	RCTrainingBridge1	RCTrainBridge1					<input checked="" type="checkbox"/>	
12	TimberTrainingBridge1	TimberTrBridge1					<input checked="" type="checkbox"/>	
13	FSys GFS TrainingBridge1	FS1TrainingBrdg					<input checked="" type="checkbox"/>	
14	FSys FS TrainingBridge2	FS2TraingBrdg					<input checked="" type="checkbox"/>	
15	FSys GF TrainingBridge3	FS3TraingBrdg					<input checked="" type="checkbox"/>	

Click the **Select All** button in the **BrM Manage Bridges** window then click the **Link Selected** button.

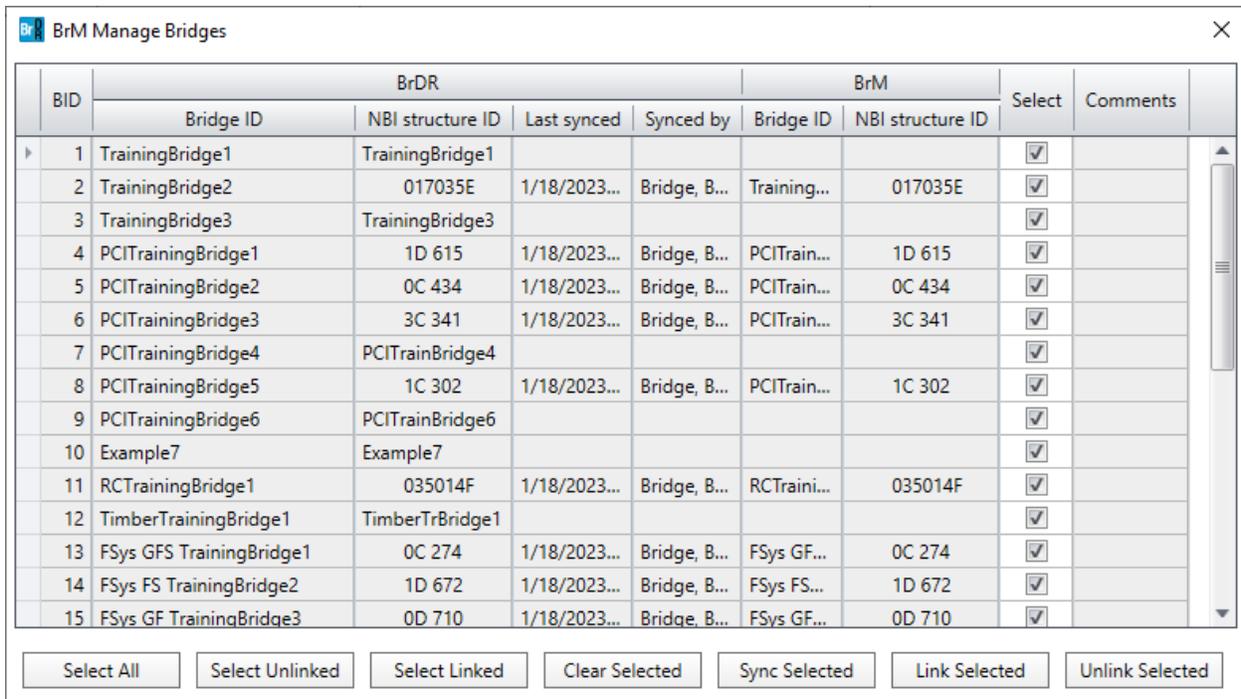


Select the **Bridge ID** option in the **BrM – Link By** window to attempt to link BrDR bridges with BrM bridges by using the BrDR Bridge ID value. Click **OK** to close the window and continue linking the bridges.

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The **Linking BrDR Bridges with BrM Bridges** window will appear and display an activity log of the processed bridges.

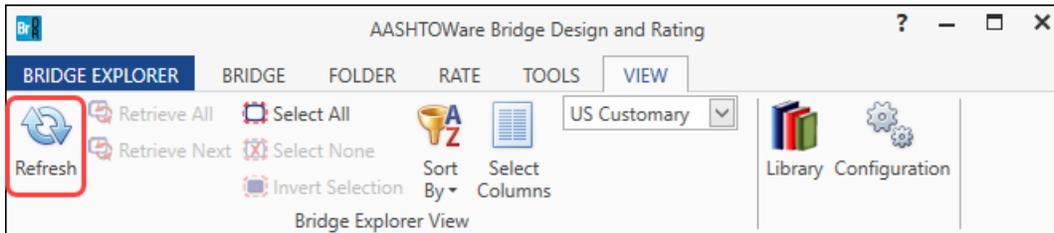


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For bridges that have been successfully linked with a BrM bridge, the **BrDR Bridge ID**, **BrDR NBI structure ID**, **Last synced**, **Synced by**, **BrM Bridge ID** and **BrM NBI structure ID** will be updated in the **BrM Manage Bridges** window.

Close the **BrM Manage Bridges** window.

Click the **Refresh** button  from the **Bridge Explorer View** group of the **VIEW** ribbon to refresh the right portion of the Bridge Explorer.



The linked **BrDR** bridges are updated in the **Bridge Explorer** as shown below.

The screenshot shows the 'AASHTOWare Bridge Design and Rating' application window with the 'Bridge Explorer View' table. The table contains 31 rows of bridge data. The 'Refresh' button is visible in the ribbon above the table. The table columns are: BID, Bridge ID, Bridge Name, District, County, Facility, Location, Route, and Feature Intersected.

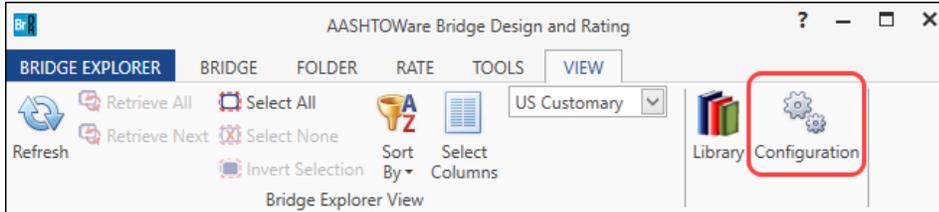
BID	Bridge ID	Bridge Name	District	County	Facility	Location	Route	Feature Intersected
1	TrainingBridge1	Training Bridge 1(LRFD)	District 11		SR 0051	Pittsburgh	0051	SR 6060
2	TrainingBridge2	2 Barrel Continuous Concrete Culvert, Poor Cond	Region 4	Garfield	COUNTY ROA	SOUTH SIDE OF	00000	HENRIEVILLE CREEK
3	TrainingBridge3	Training Bridge 3(LRFD)	District 11		I-79	Pittsburgh	0079	Ohio River
4	PCITrainingBridge1	3 Span Continuous Conc Poor Condition	District 1	Davis	I-15 (SR-15) N	500 SO.INTCHG.	00015	SR-68, 500 SOUTH S
5	PCITrainingBridge2	5 Span Steel Poor Condition	District 2	Summit	COUNTY ROA	6.6 ML.NORTHEA	02606	I-80 (SR-80) EBL & V
6	PCITrainingBridge3	3 Span Steel Poor Condition	District 3	Utah	I-15 (SR-15) S	NORTH LEHI	00015	UNION PACIFIC RAIL
7	PCITrainingBridge4	PCITrainingBridge4(LRFD)					-1	
8	PCITrainingBridge5	3 Span Continuous Steel Fair Condition	District 1	Davis	I-15 (SR-15) N	500 W. JNTCHG	00015	RAMP, I-15SB TO US
9	PCITrainingBridge6	PCITrainingBridge6(LRFD)					-1	
10	Example7	Example 7 PS (LFD)					-1	
11	RCTrainingBridge1	Prestressed T-Beam 1 Span Poor Condition	District 2	Salt Lake	LARCHWOOD	690 EAST 6755 S	00000	JORDAN & SALT LAI
12	TimberTrainingBridge1	Timber Tr. Bridge1 (ASD)					-1	
13	FSys GFS TrainingBridge1	Single Span Steel Thru Arch Fair Condition	Region 4	San Juan	SR-163	AT MEXICAN HA	00163	SAN JUAN RIVER
14	FSys FS TrainingBridge2	3 Span Continuous Conc Poor Condition	District 2	Salt Lake	RP.US89NB	BECKS STREET II	00089	RAMP,I-15NB to US
15	FSys GF TrainingBridge3	3 Span Continuous Conc T-Beam	Region 4	San Juan	SR-162	WEST OF ANETH	00162	McELMO CREEK
16	FLine GFS TrainingBridge1	Single Span Prestressed Concrete Fair Condition	District 3	Utah	US-6 (SR-6)	4TH SO.ST.in SP	00006	SR-147
17	FLine FS TrainingBridge2	Signge Span Concrete Fair Condition	Region 4	Grand	US-191 (SR-1	IN CITY OF MOA	00191	MILL CREEK
18	FLine GF TrainingBridge3	FloorLine GF Training Bridge 3	District 1		I-95	NY	15	
19	TrussTrainingExample	Single span steel fair condition	District 3	Utah	COUNTY ROA	2.5 ML.NW.OF TI	00000	DIAMOND FORK CR
20	LRFD Substructure Example 1	Single Span Steel Arch Poor Condition	Region 4	Washington	SR-18	0.4 MILES SOUT	00018	SANTA CLARA RIVER
21	LRFD Substructure Example 2	3 Span Continuous Conc Slab	District 3	Utah	SARATOGA S	3.5 MILES SW. o	02878	JORDAN RIVER
22	LRFD Substructure Example 3	4 Span Prestressed Concrete Fair Condition	District 3	Utah	5TH AND 6TH I	LEHI	02930	I-15 (SR-15) NBL AN
23	LRFD Substructure Example 4	Steel 1 Span Good Condition	District 3	Utah	MEADOW LA	750 WEST MEAL	00000	MILL CREEK WETLAI
24	Visual Reference 1	Visual Reference 1	District 1		I-76	WAITSFIELD	I-76	MAD RIVER
25	Culvert Example 1	Culvert Example 1					STH60	
26	LFD Curved Guide Spec	Single span RC slab good condition	District 3	Utah	6800 NORTH	6800 NORTH 60	00000	AMERICAN FORK CF
27	MultiCell Box Examples	Single Span Prestressed Concrete Good Condition	District 1	Davis	I-15 (SR-15) N	500 SO.INTCHG.	00015	SR-68, 500 SOUTH S
28	Gusset Plate Example	3 Span Continuous Steel Fair Condition	Region 4	Grand	SR-128	AT DEWEY-30 M	00128	COLORADO RIVER
29	Splice Example	2 Span Prestressed Concrete Good Condition	District 1	Davis	SR-131, 400 N	600 W.400 NOR	00106	I-15 (SR-15) NBL & S
30	Simple DL-Cont LL-Splice	Single Span Steel in Good Condition	District 1	Davis	I-15 (SR-15) N	600 W.1500 SO.	00015	1500 SOUTH STREET

Total Bridge Count: 31

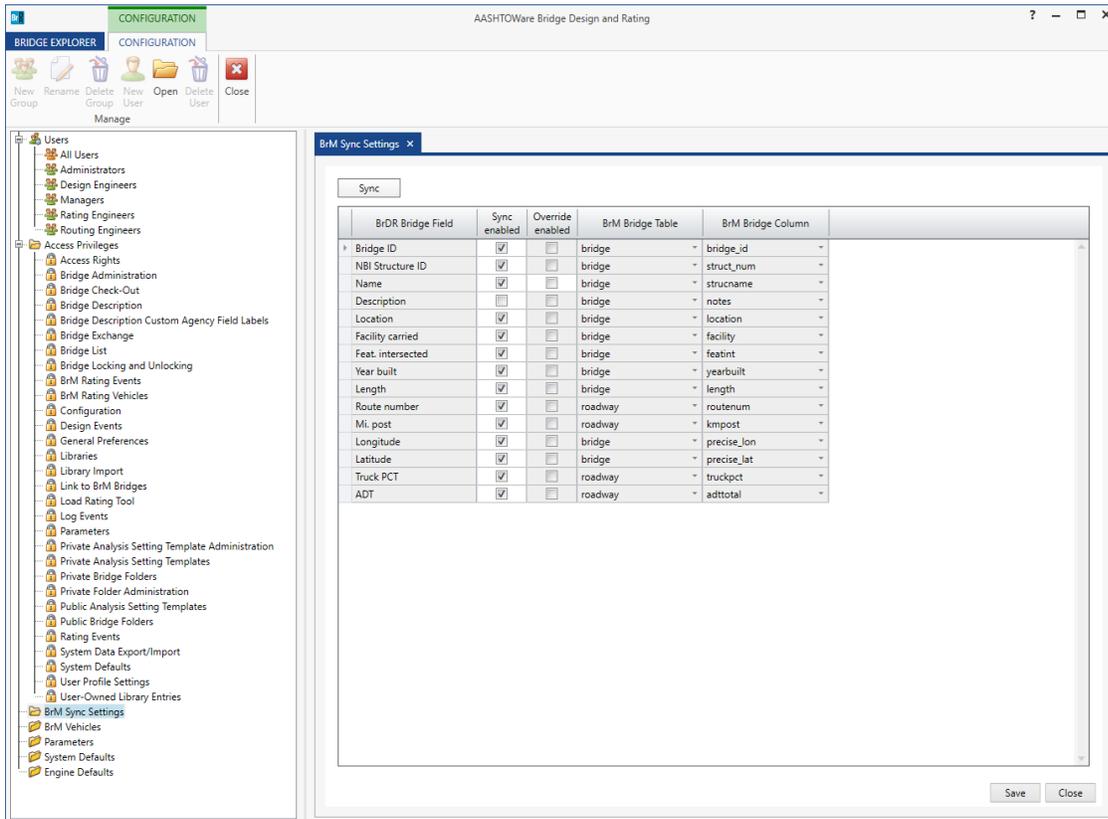
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Customize BrM Bridge Sync Settings

Open the **Configuration Browser** by clicking the **Configuration Browser** button  on the **VIEW** ribbon as shown below.



Open the **BrM Sync Settings** window by double-clicking the **BrM Sync Settings** folder in the **Configuration Browser**.

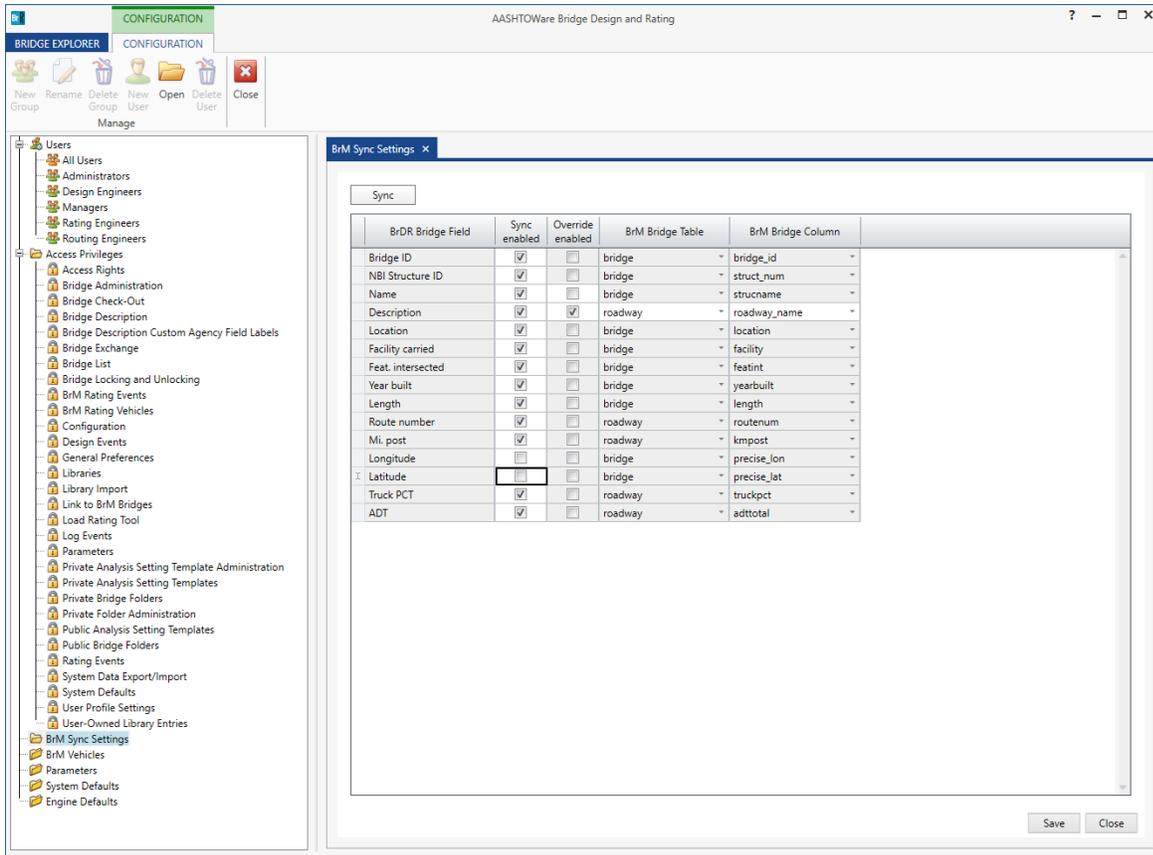


Click the **Sync** button to import the table and column names for the **bridge**, **roadway**, **userbrdg**, and **userrwy** tables from the BrM database.

Uncheck the **Sync enabled** box for the Longtitude and Latitude fields.

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Check the **Sync enabled** and **Override enabled** boxes for the **BrDR Bridge Field**. Select **roadway** from the **BrM Bridge Table** dropdown menu then select **roadway_name** from the **BrM Bridge Column** dropdown menu.



Click **Save** to save and close the **BrM Sync Settings** window.

Close the **Configuration Browser**.

Double-click Bridge ID **000002** (formerly TrainingBridge1) in the **Bridge Explorer** to open the bridge and bring up the **Bridge Workspace**.

Double-click on **000002** () in the **Bridge Workspace** to open the **Bridge Description** window.

Click the **Sync with BrM** button at the bottom of the window.

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000002

Bridge ID: 000002 NBI structure ID (8): 000002

Template Superstructures
 Bridge completely defined Culverts
 Substructures

Description Description (cont'd) Alternatives Global reference point Traffic Custom agency fields

Name: COUNTRY CLUB BRIDGE Year built: 1898

Description: COUNTRY CLUB ROAD

Location: 1 MILE EAST HWY 195 Length: 170.00 ft

Facility carried (7): COUNTRY CLUB ROAD Route number: 00000

Feat. intersected (6): BLACKWATER CREEK Mi. post: 0.01

Default units: US Customary

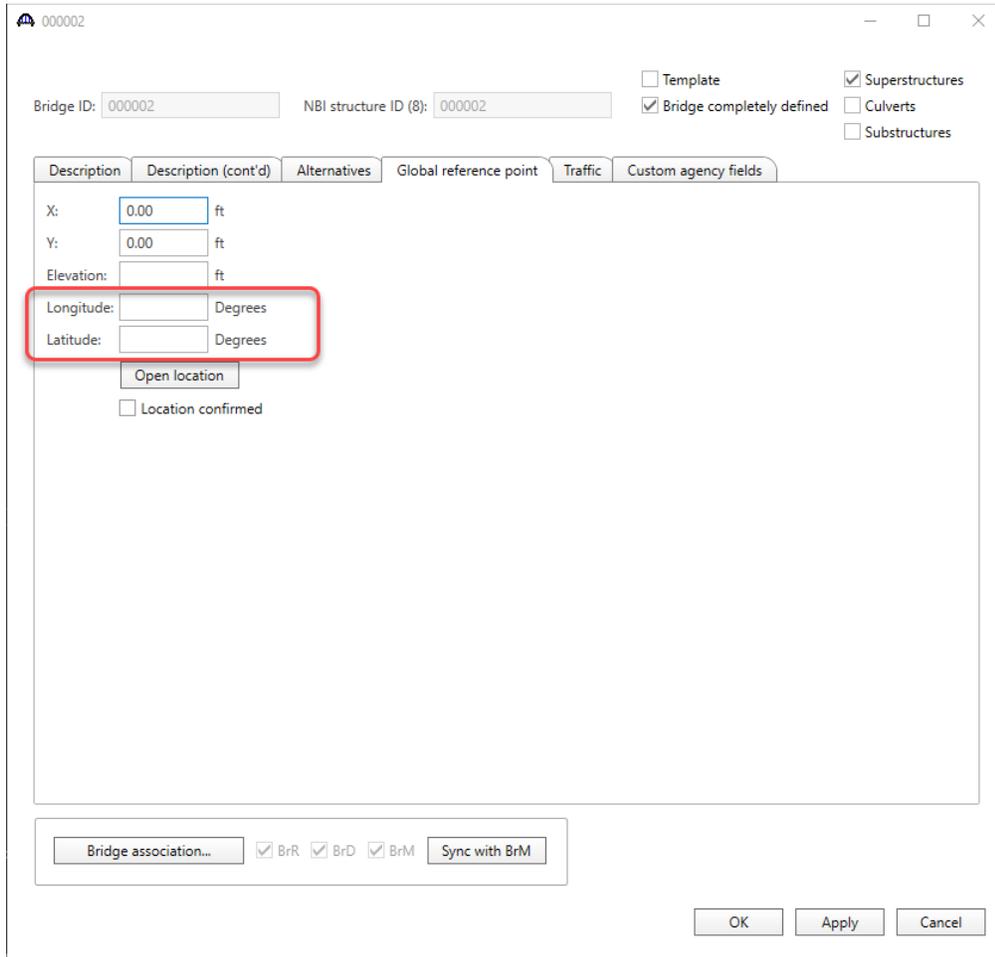
Bridge association... BrR BrD BrM Sync with BrM

OK Apply Cancel

The Description field is populated with the **roadway_name** value from the BrM **roadway** table and the Description field will now be disabled.

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Select the **Global reference point** tab in the window.

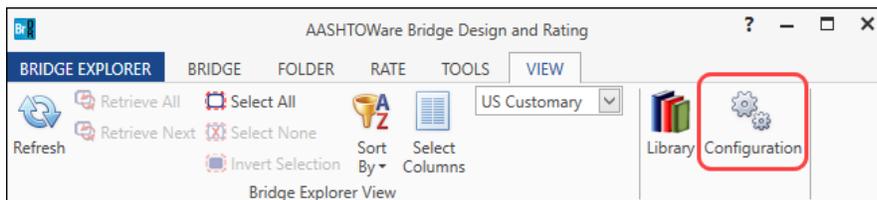


The screenshot shows a software window titled "000002" with a "Global reference point" tab selected. The window contains several input fields and checkboxes. The "Longitude" and "Latitude" fields are highlighted with a red box. The "Bridge association..." section includes checkboxes for "BrR", "BrD", and "BrM", all of which are checked, and a "Sync with BrM" button. The "Location confirmed" checkbox is unchecked. The "OK", "Apply", and "Cancel" buttons are visible at the bottom right.

The **Longitude** and **Latitude** fields are reenabled and are no longer synchronized with data from BrM.

Assign Vehicles from the BrDR Vehicle Library to BrM Vehicles

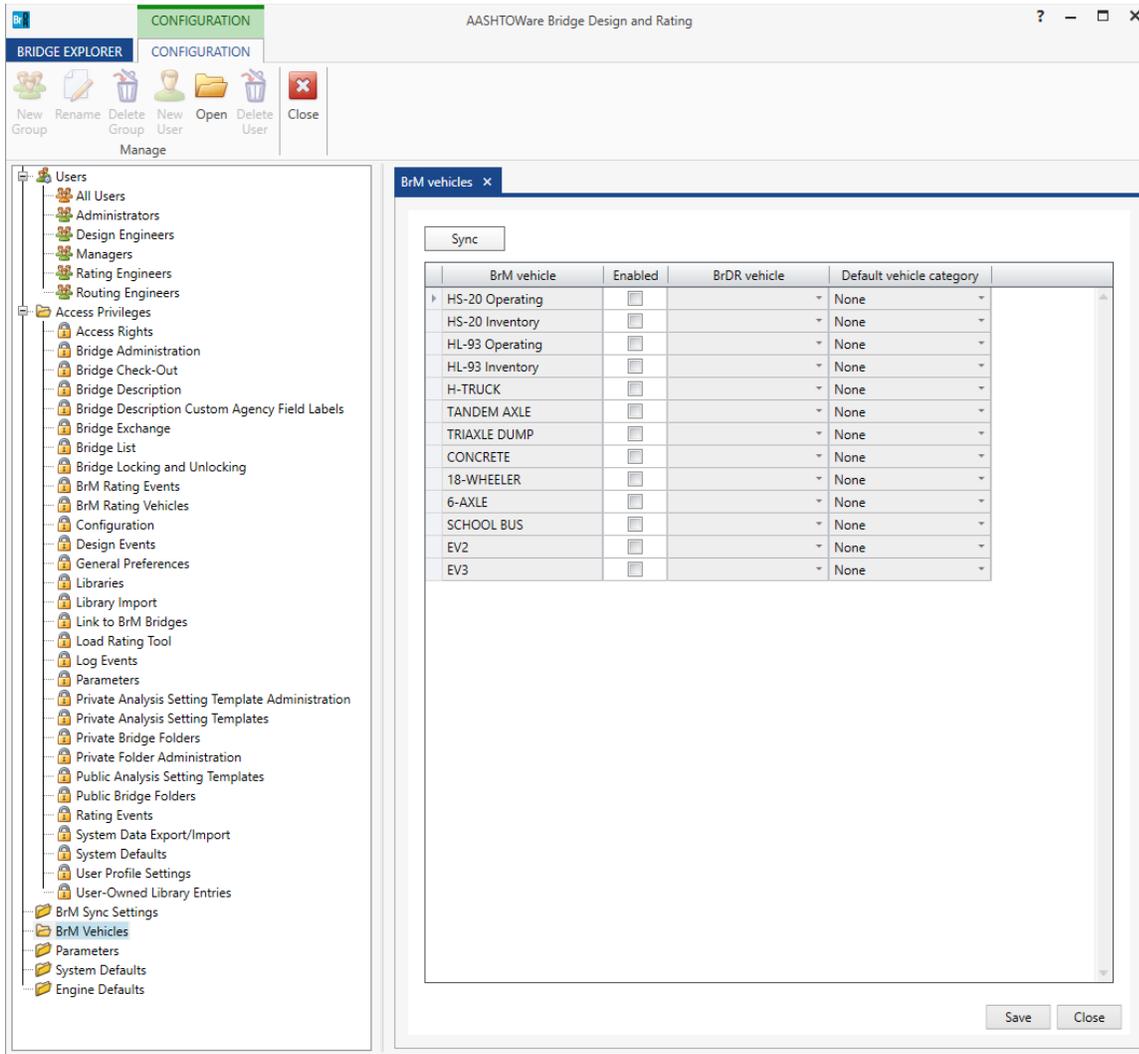
Open the **Configuration Browser** by clicking the **Configuration Browser** button  on the **VIEW** ribbon as shown below.



Open the **BrM Vehicles** window by double-clicking the **BrM Vehicles** folder in the **Configuration Browser**.

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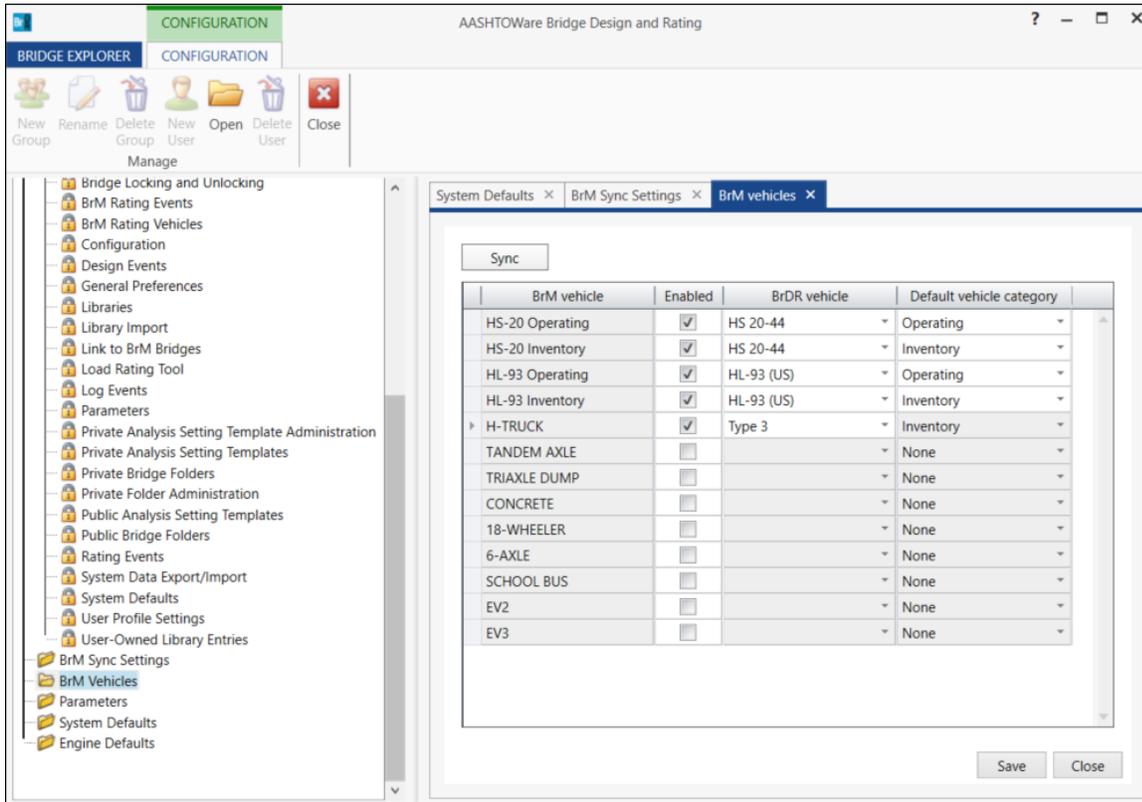
Click the **Sync** button to import vehicles from BrM.



Check the **Enabled** box next to the **BrM vehicles** to assign vehicles from the BrDR vehicle library to BrM vehicles.

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Select the following options as shown below:

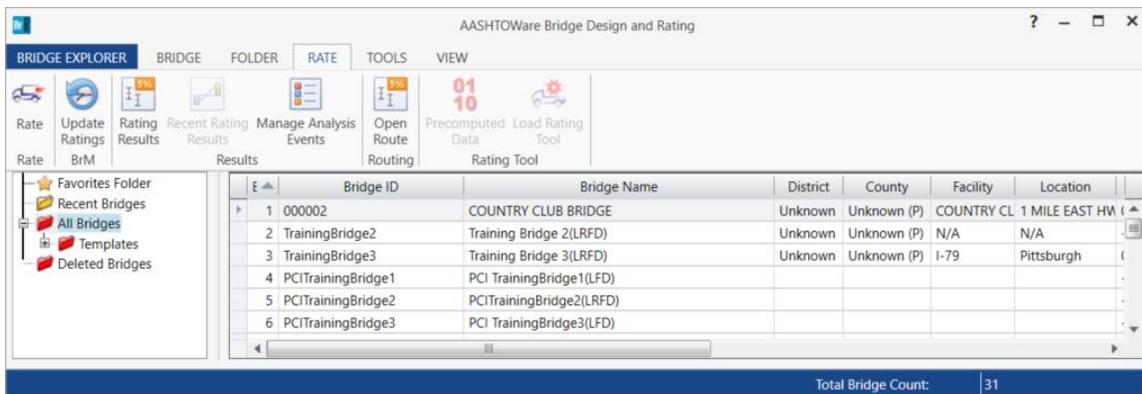


Click **Save** to save and close the **BrM Vehicles** window.

Close the **Configuration Browser**.

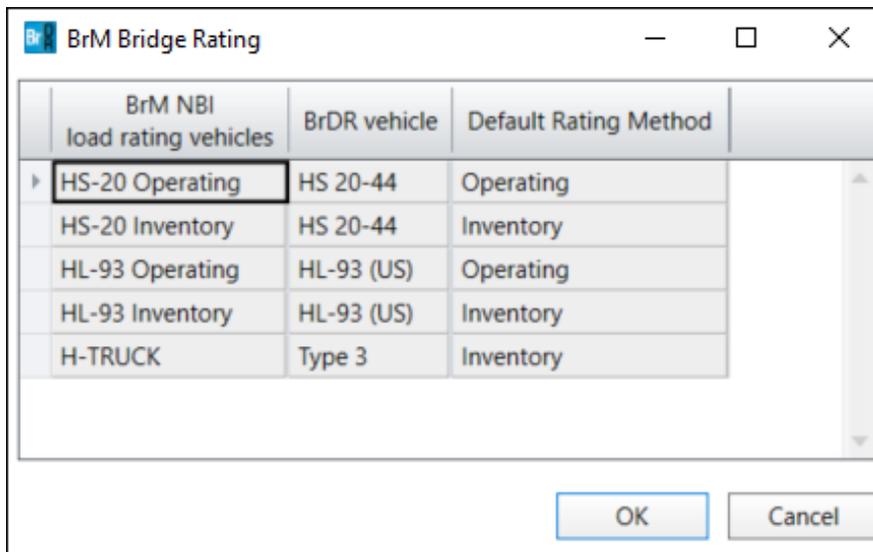
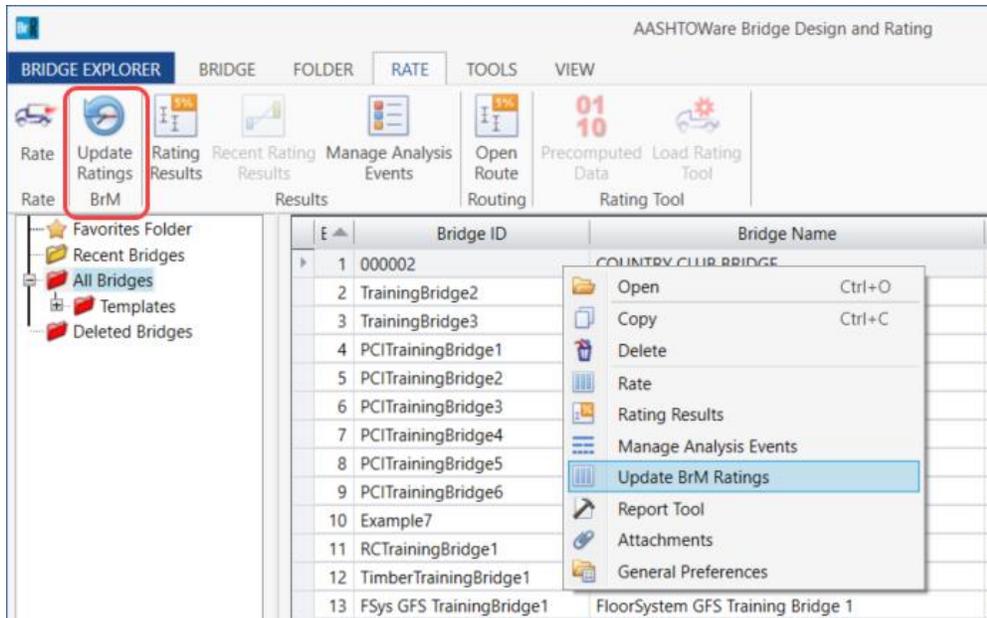
AASHTOWare Rating – Perform a rating on a linked bridge and update the ratings in BrM.

Select **000002** on the right portion of the **Bridge Explorer**.



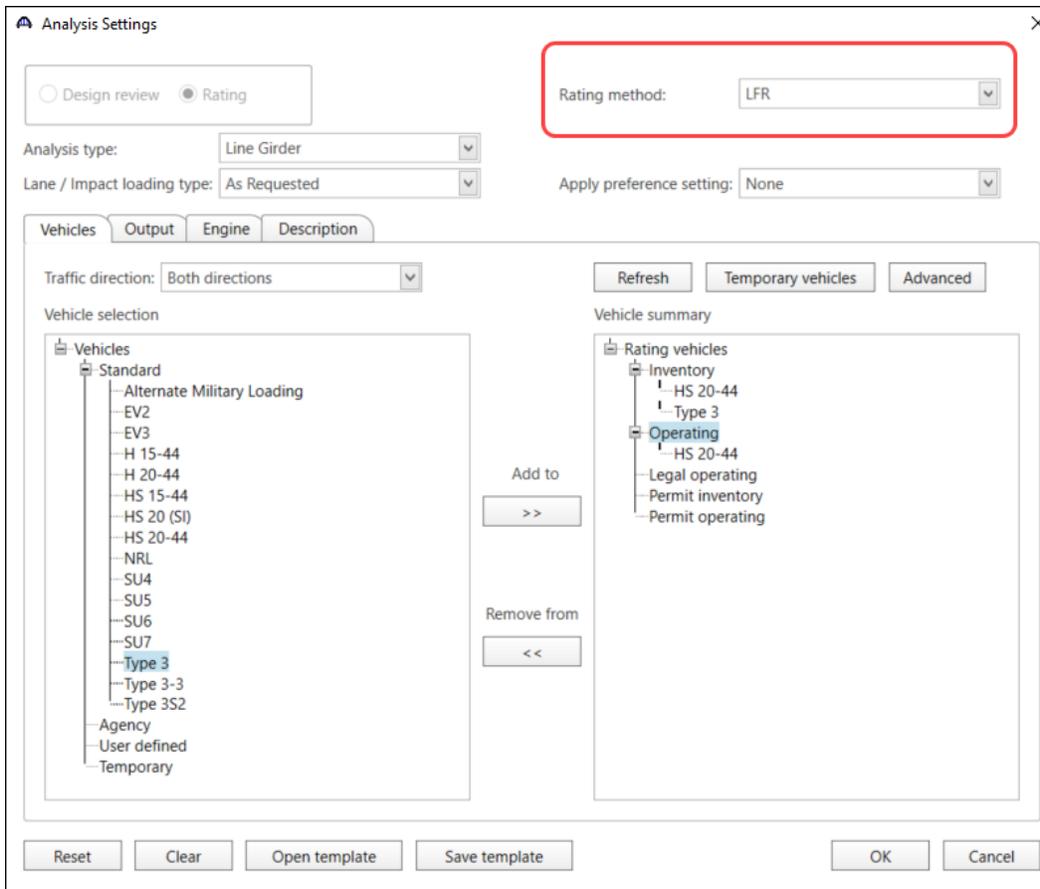
Getting Started with BrDR/BrM Integration

Open the **BrM Bridge Rating** window by clicking on the **Update Ratings** button  from the **BrM** group of the **RATE** ribbon (or by right-clicking on the selected bridge and selecting the **Update BrM Ratings** button).

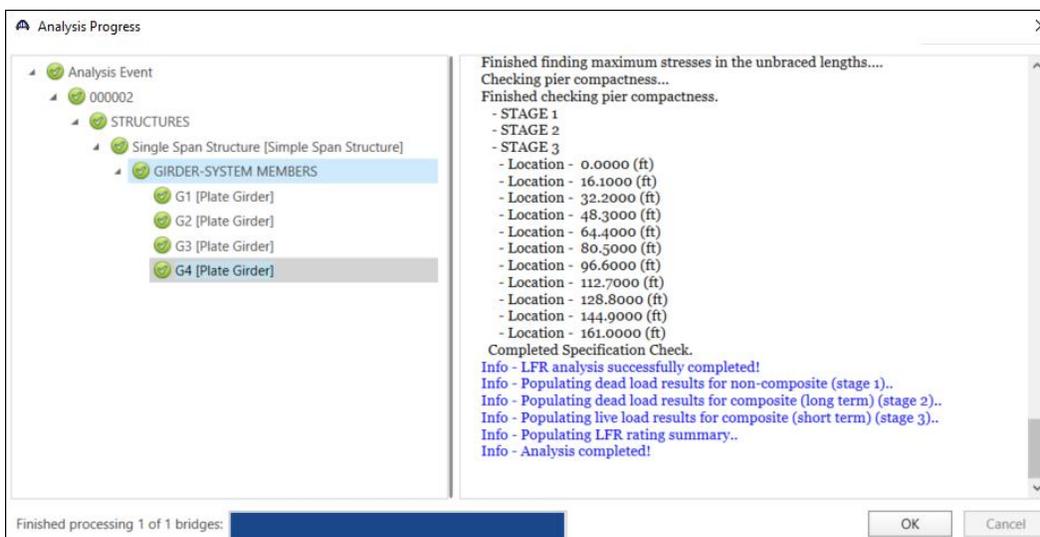


Click **OK** to close the **BrM Bridge Rating** window and the **Analysis Settings** window will open. Select the BrDR vehicles currently assigned to each BrM rating vehicles for the appropriate analysis method and run the analysis. For this example, select **LFR** as the **Rating method** and include **HS 20-44** vehicle in **Inventory** and **Operating** and **Type 3** in **Inventory** as shown below.

Getting Started with BrDR/BrM Integration



Click **OK** to run the analysis. When the analysis is complete, click **OK** to close the **Analysis Progress** window and the **BrM Rating Summary** window will open as shown below:



Getting Started with BrDR/BrM Integration

After the analysis is complete, click **OK** to close the Analysis Progress window and the **BrM Rating Summary** window will open.

For each of the BrM vehicles included in the analysis, the calculated BrDR rating capacities are displayed as shown below. Users can choose between **Accept all**, **Accept bridge**, **Accept vehicle**, or selectively **Accept new rating** and select **Push to BrM** to update the BrM database with the current rating event.

The screenshot shows the 'BrM Rating Summary' window. At the top, there are input fields for 'Analysis method' (set to 'D LFD (MS18)'), 'Rating date' (set to '1/18/2023'), and 'BrM rater initials' (set to 'bridge'). Below these is a table with the following columns: Bridge ID, Bridge completely defined, Accept new rating, BrM vehicle, BrDR vehicle, Analysis type, Rating, Capacity (tons), and Notes. The table contains three rows of data. Below the table are several buttons: 'Accept all', 'Accept bridge', 'Accept vehicle', 'Clear accepted', 'View rating results...', 'View bridges not rated...', 'Push to BrM', and 'Close'.

Bridge ID	Bridge completely defined	Accept new rating	BrM vehicle	BrDR vehicle	Analysis type	Rating	Capacity (tons)	Notes
000002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HS-20 Operating	HS 20-44	Design	1.46	52.71	
000002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HS-20 Inventory	HS 20-44	Design	0.88	31.56	
000002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	H-TRUCK	Type 3	Design	1.32	33.00	

Select **D LFD (MS18)** from the **Analysis method** dropdown menu.

Click the **Accept all** button to check all the **Accept new rating** boxes in the window.

Click the **Push to BrM** button to create a new load rating event in BrM with the values from the **BrM Rating Summary** window.

Select the first row with Bridge ID **000002** and click on the **View rating results...** button to open the **Bridge Rating Results** window and view the rating results as shown below:

Getting Started with BrDR/BrM Integration

Bridge Rating Results

System of units: US customary SI / metric

Lane/impact loading type: As requested Detailed

Display format: Multiple rating levels per row

Bridge ID	Vehicle	Inventory rating factor	Operating rating factor	Legal operating rating factor	Legal rating factor	Permit inventory rating factor	Permit operating rating factor	Permit rating factor	Inventory rating method	Operating rating method
000002	HS 20-44	0.877	1.464						LFR	LFR
000002	Type 3	1.320							LFR	

Show up-to-date results only

View structure rating results Save all Print Close

Click on the **View structure ratings results** button to view the Structure Rating Results window.

Structure Rating Results

System of units: US customary SI / metric

Lane/impact loading type: As requested Detailed

Display format: Multiple rating levels per row

Bridge id	Structure	Vehicle	Inventory rating factor	Operating rating factor	Legal operating rating factor	Legal rating factor	Permit inventory rating factor	Permit operating rating factor	Permit rating factor	Inventory rating method	Operating rating method
000002	Single Span Structure	HS 20-44	0.877	1.464						LFR	LFR

Show up-to-date results only

View member rating results Print Close

Click on the **View member ratings results** button to view the member rating results.

Member Rating Results

System of units: US customary SI / metric

Lane/impact loading type: As requested Detailed

Display format: Multiple rating levels per row

Bridge id	Structure	Member	Vehicle	Inventory rating factor	Operating rating factor	Legal operating rating factor	Legal rating factor	Permit inventory rating factor	Permit operating rating factor	Permit rating factor
000002	Single...	G1	HS 20-44	1.376	2.298					
000002	Single...	G2	HS 20-44	0.877	1.464					
000002	Single...	G3	HS 20-44	0.877	1.464					
000002	Single...	G4	HS 20-44	1.376	2.298					

Show up-to-date results only

Print Close

Getting Started with BrDR/BrM Integration

Click **Close** on the **Member Rating Results** window to return to the **Structure Rating Results** window.

Click **Close** on the **Structure Rating Results** window to return to the **Bridge Rating Results** window.

The **Save All** button on the **Bridge Rating Results** window saves all the rating results to the database.

Click **Close** on the **Bridge Rating Results** window to return to the **BrM Rating Summary** window.