

AASHTOWare BrDR 7.5.0

Feature Tutorial

E11 – Export/Import BrDR Data

E11 - Exporting Importing Data

This example describes the BrDR system data exchange. The user will need to have two databases to do the data exchange.

BrDR 7.5.0 is capable of performing the following system data exchanges,

- Analysis Event Template
- Load Combination Settings Template
- Load Palette Template
- System Defaults
- Unit Tolerances
- General Preference Template
- Parameters
- Custom Agency Field Labels
- Engine Defaults

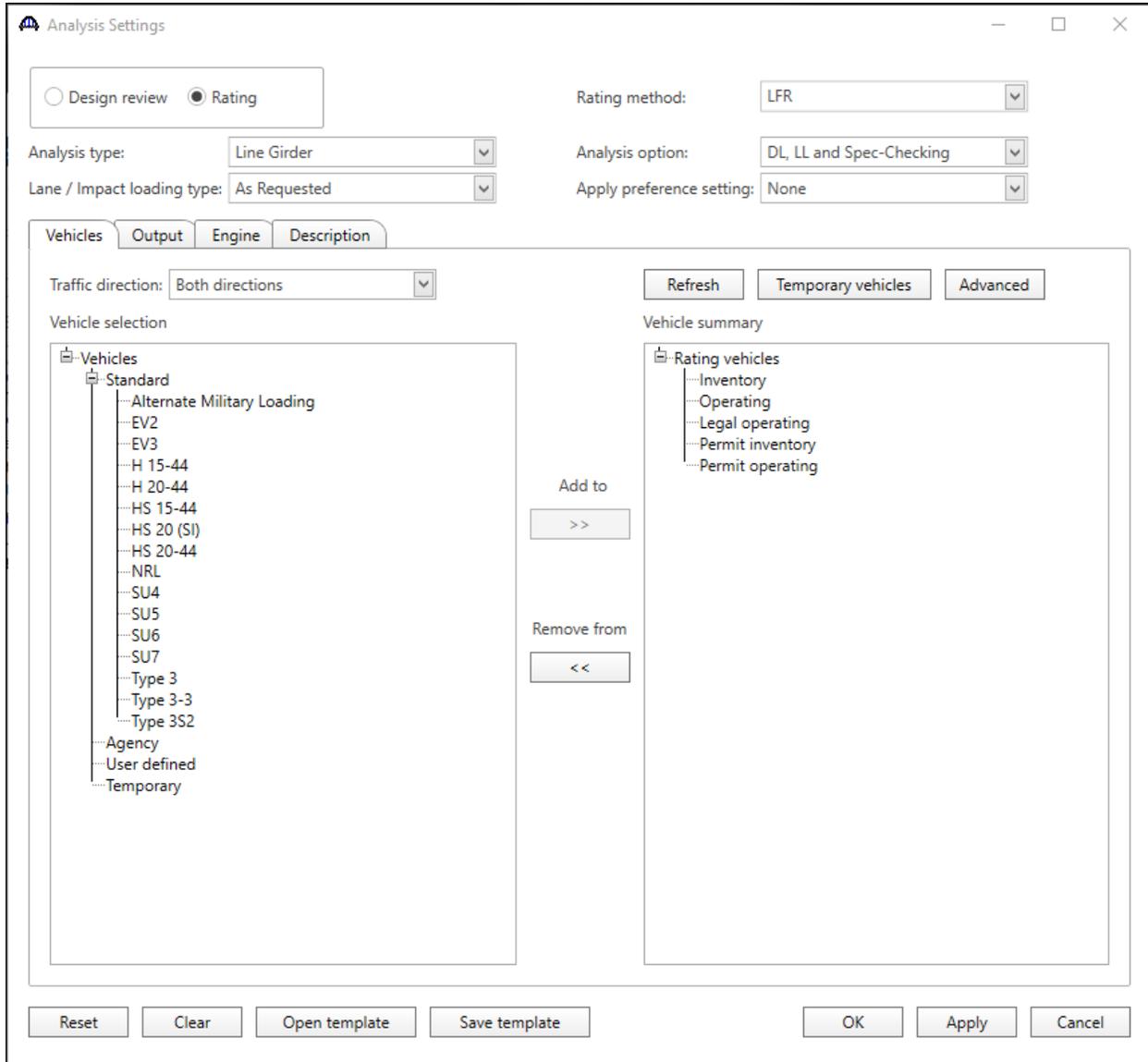
Topics Covered

- [Import and export Analysis Event Template](#)
- [Import and export System Defaults](#)

E11 - Exporting Importing Data

Import and export Analysis Event Template

Open a bridge in the sample database (AASHTOWareBr75s), click the **Analysis Settings** button  on the Analysis group of the DESIGN/RATE ribbon.



Analysis Settings

Design review Rating

Rating method: LFR

Analysis type: Line Girder

Analysis option: DL, LL and Spec-Checking

Lane / Impact loading type: As Requested

Apply preference setting: None

Vehicles | Output | Engine | Description

Traffic direction: Both directions

Refresh Temporary vehicles Advanced

Vehicle selection

Vehicles

- Standard
 - Alternate Military Loading
 - EV2
 - EV3
 - H 15-44
 - H 20-44
 - HS 15-44
 - HS 20 (SI)
 - HS 20-44
 - NRL
 - SU4
 - SU5
 - SU6
 - SU7
 - Type 3
 - Type 3-3
 - Type 3S2
- Agency
- User defined
- Temporary

Add to >>

Remove from <<

Rating vehicles

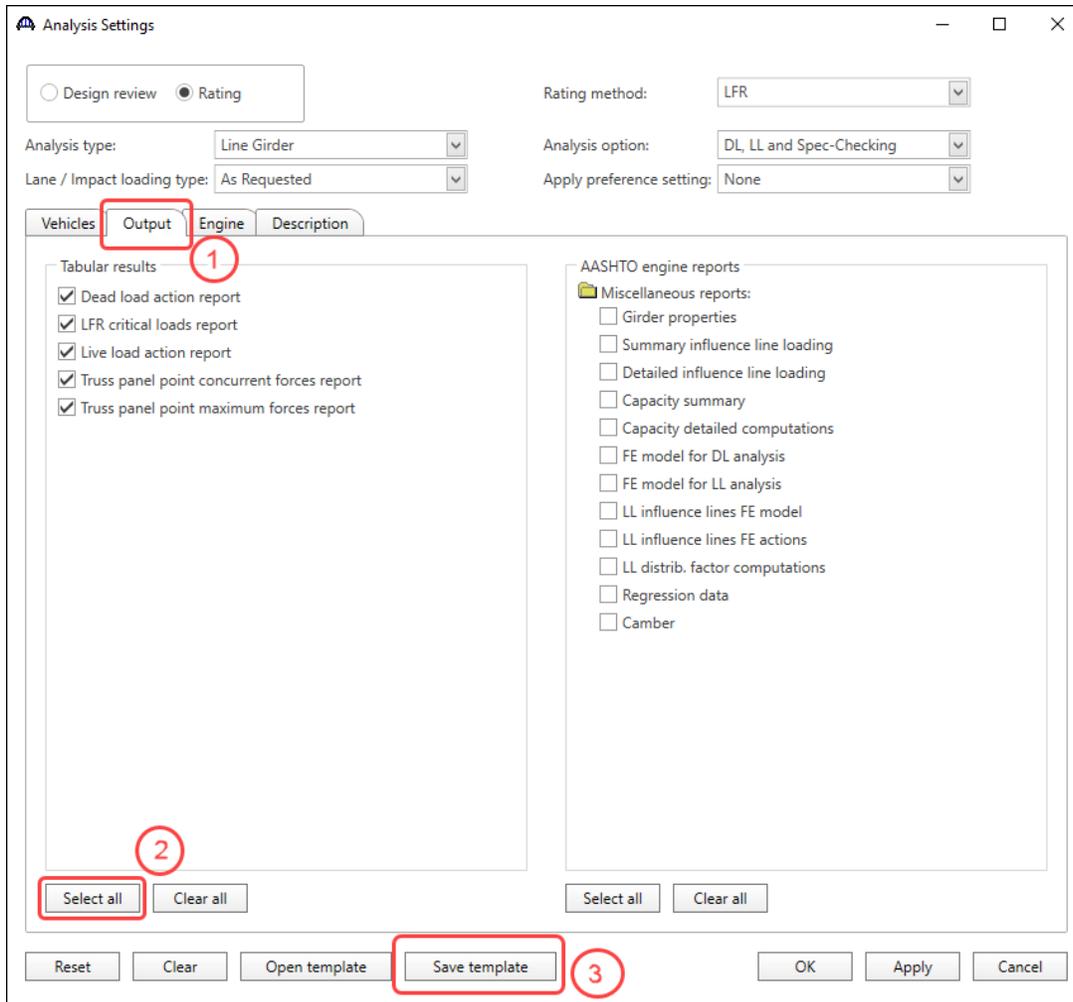
- Inventory
- Operating
- Legal operating
- Permit inventory
- Permit operating

Reset Clear Open template Save template OK Apply Cancel

Click the **Open template** button and select **HS 20 LFR Rating** and click Open to apply this template.

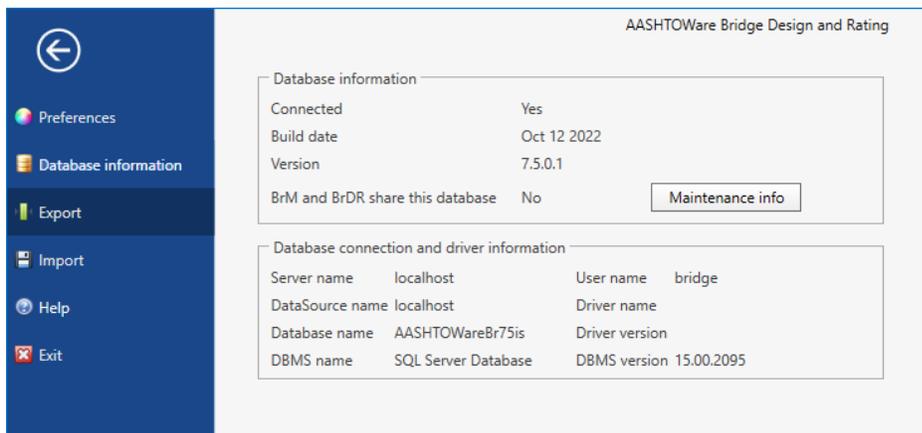
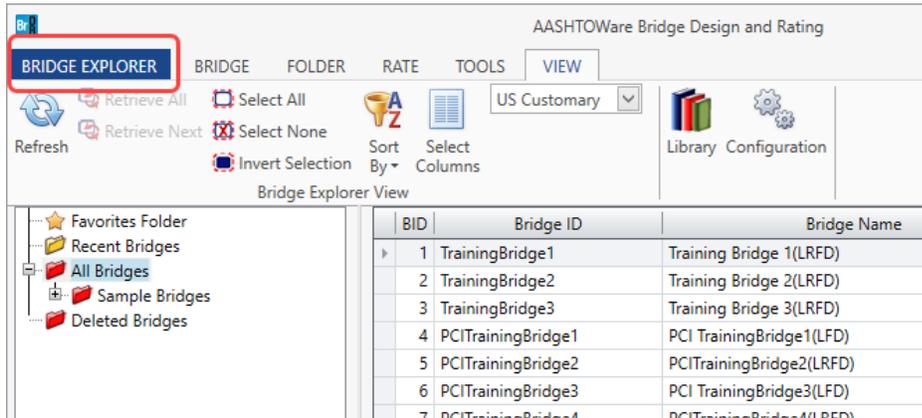
E11 - Exporting Importing Data

On the **Output** tab of the Analysis Settings window, click the **Select All** button for **Tabular Results**. Click the **Save template** button to save the change as a new Template “**HS 20 Rating with Report**”. Close the Analysis Settings window. Close the bridge.

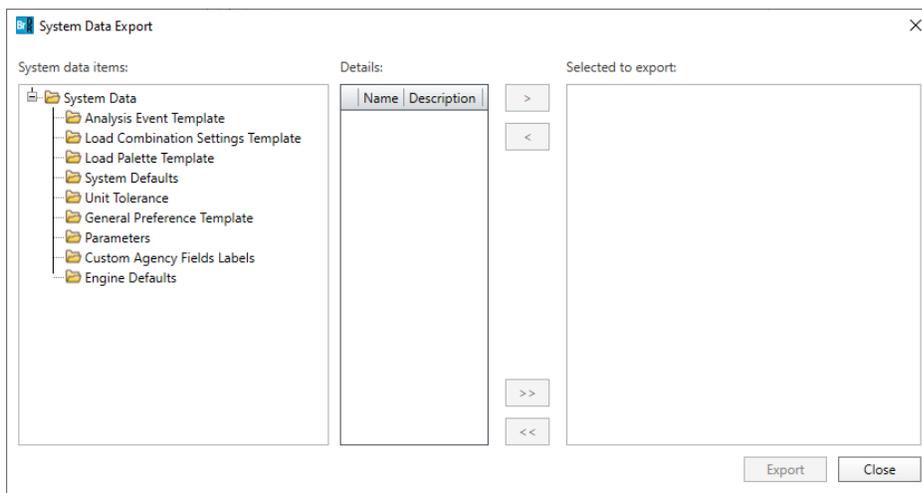


E11 - Exporting Importing Data

Click the **Export** button on the **Bridge Explorer** ribbon as shown below:

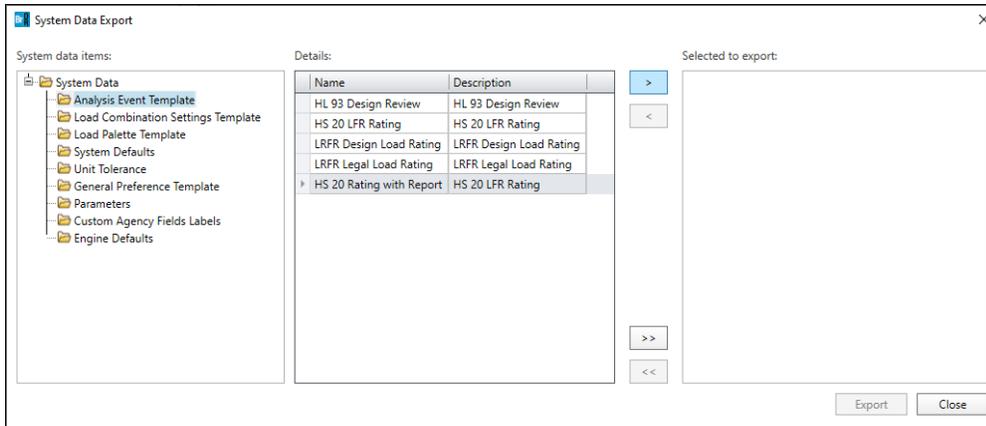


The **System Data Export** dialog will open as shown below:

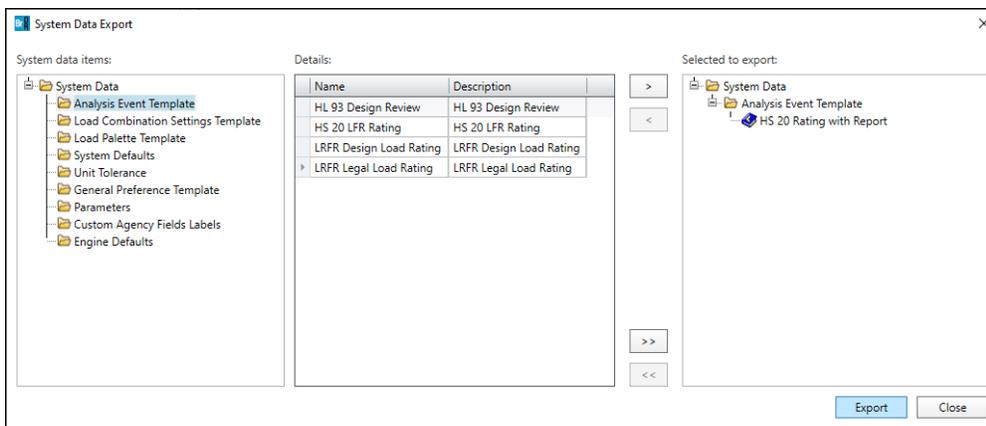


E11 - Exporting Importing Data

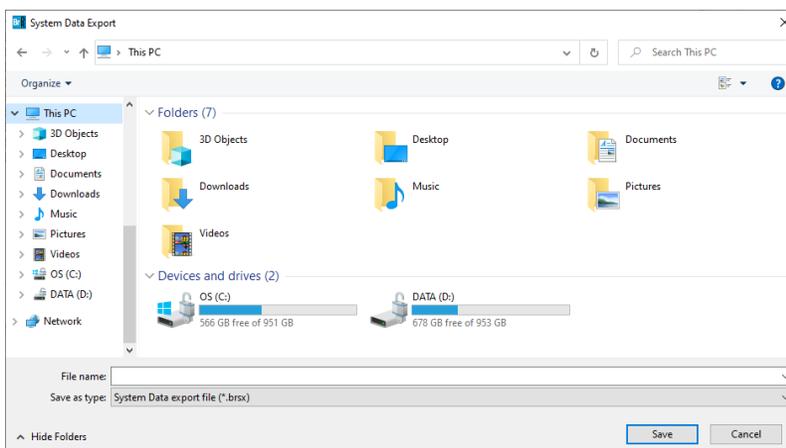
Select the **Analysis Event Template** to see all of the available analysis templates for export. Select the **HS 20 Rating with Report** template created earlier and click the  button to add this analysis event template to export.



Click the **Export** button.



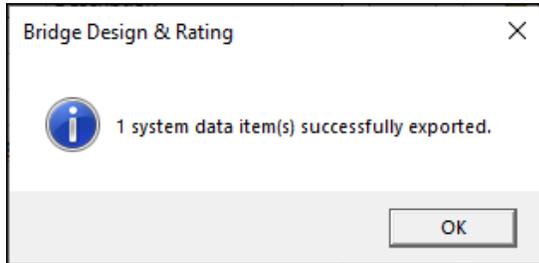
The **System Data Export** window will open to save the selected analysis event template as a **.brsx** file on the local drive.



E11 - Exporting Importing Data

Enter a name in **File name** and click the **Save** button to save the **HS 20 Rating with Report** template as System Data Export **.brsx** file on local drive.

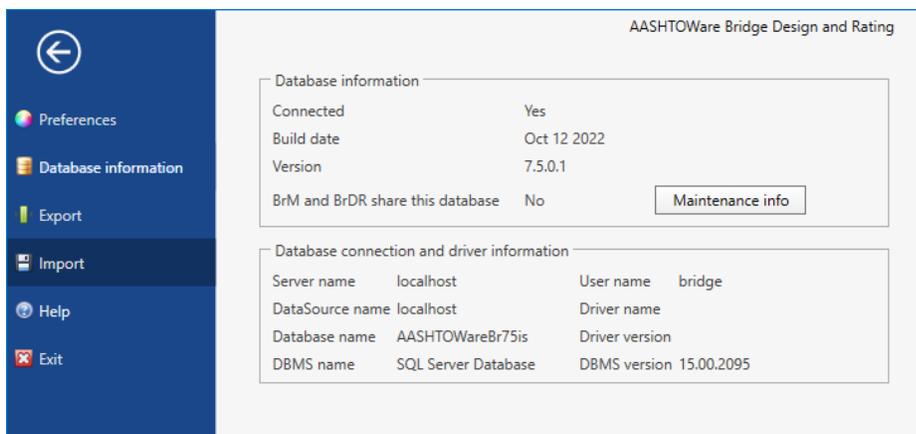
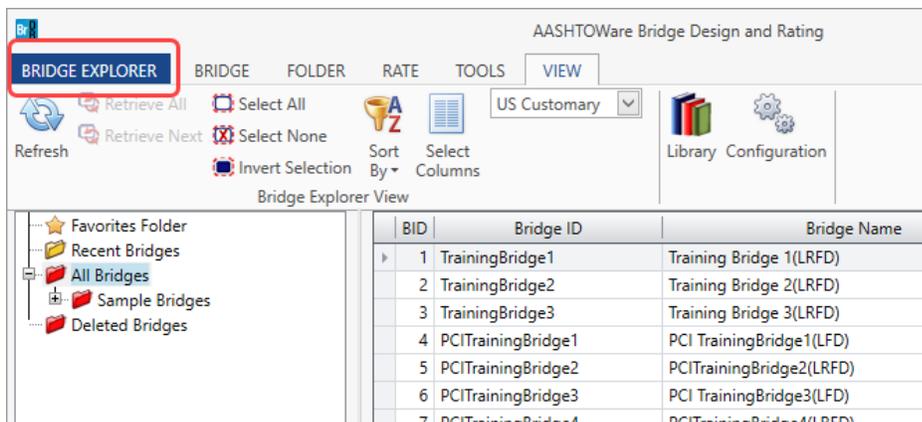
When the export process is complete the following message will be displayed.



Click **OK** and **Close** the **System Data Export** window.

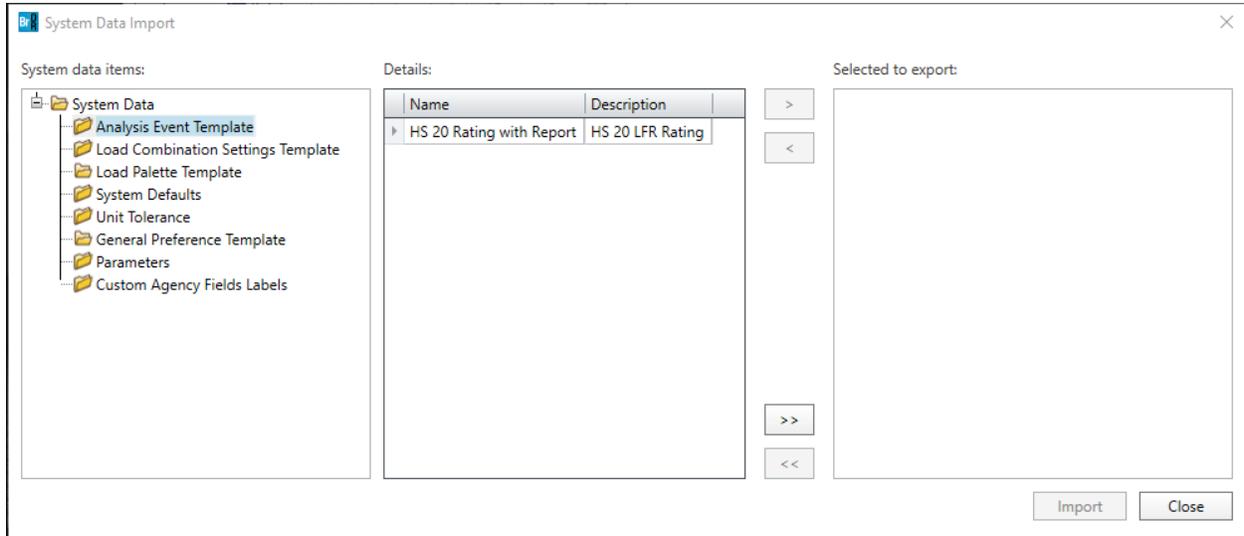
Close BrDR, restart BrDR and log in to a different database to which you are going to import the **HS 20 Rating with Report** template.

Click **Import** button on the **Bridge Explorer ribbon** as shown below:



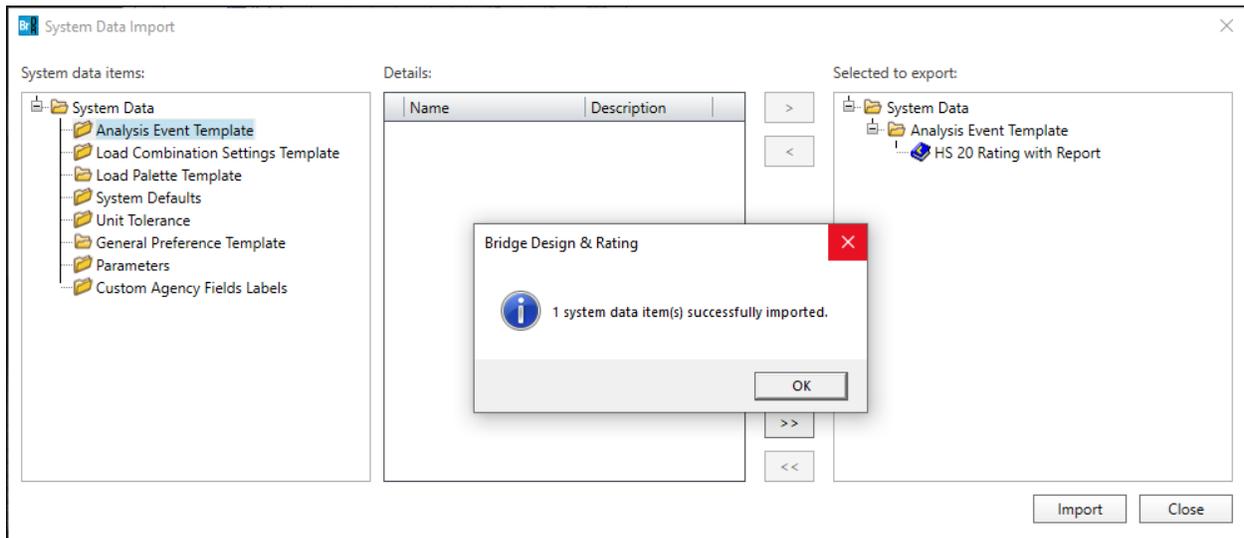
E11 - Exporting Importing Data

The **System Data Import** window will open allowing the user to select an analysis event template **.brsx** file on the local drive to import. In this example, we select the **HS 20 Rating with Report** template that was exported from the sample database in the previous step. The **System Data Import** window will open as shown below.



Select the **Analysis Event Template** and **HS 20 Rating with Report** and click the  button to add this analysis event template to the import and click the **Import** button to start the import.

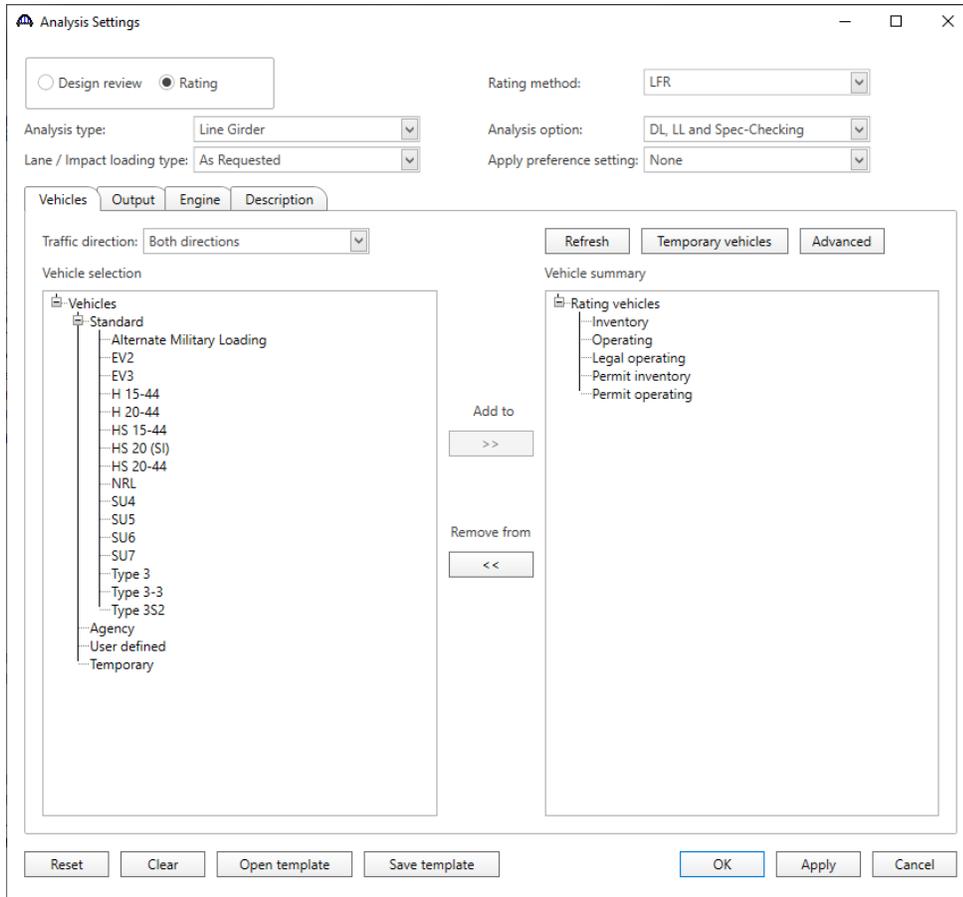
When the import process is complete, the following message will be displayed.



Click **OK** and **Close** the **System Data Import** window.

E11 - Exporting Importing Data

To use this imported analysis event template, open a bridge in this database, click the **Analysis Settings** button  on the Analysis group of the DESIGN/RATE ribbon.



The Analysis Settings dialog box is shown with the following configuration:

- Design review: Rating:
- Rating method: LFR
- Analysis type: Line Girder
- Analysis option: DL, LL and Spec-Checking
- Lane / Impact loading type: As Requested
- Apply preference setting: None

The Vehicles tab is active, showing a tree view of vehicle categories and a summary of selected vehicles.

Vehicle selection:

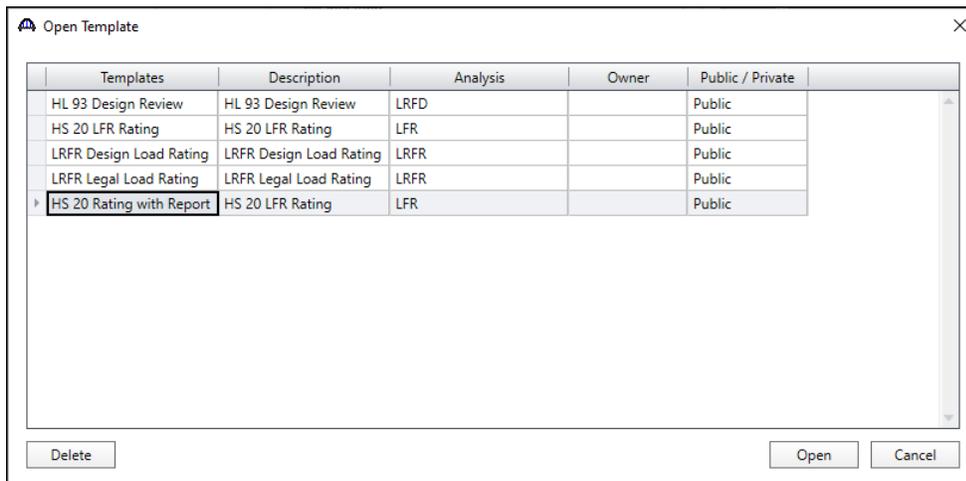
- Standard
 - Alternate Military Loading
 - EV2
 - EV3
 - H 15-44
 - H 20-44
 - HS 15-44
 - HS 20 (SI)
 - HS 20-44
 - NRL
 - SU4
 - SU5
 - SU6
 - SU7
 - Type 3
 - Type 3-3
 - Type 3S2
- Agency
- User defined
- Temporary

Vehicle summary:

- Rating vehicles
 - Inventory
 - Operating
 - Legal operating
 - Permit inventory
 - Permit operating

Buttons at the bottom: Reset, Clear, Open template, Save template, OK, Apply, Cancel.

Click the **Open template** button at the bottom of the **Analysis Settings** window to open the window as shown below:



The Open Template dialog box displays a table of templates:

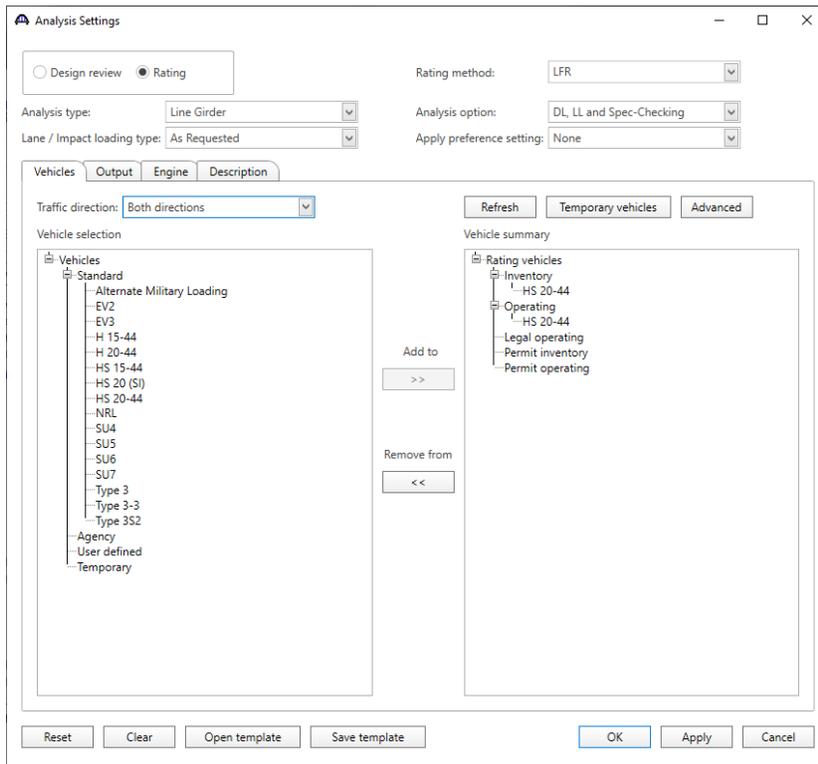
Templates	Description	Analysis	Owner	Public / Private
HL 93 Design Review	HL 93 Design Review	LRFD		Public
HS 20 LFR Rating	HS 20 LFR Rating	LFR		Public
LRFR Design Load Rating	LRFR Design Load Rating	LRFR		Public
LRFR Legal Load Rating	LRFR Legal Load Rating	LRFR		Public
HS 20 Rating with Report	HS 20 LFR Rating	LFR		Public

Buttons at the bottom: Delete, Open, Cancel.

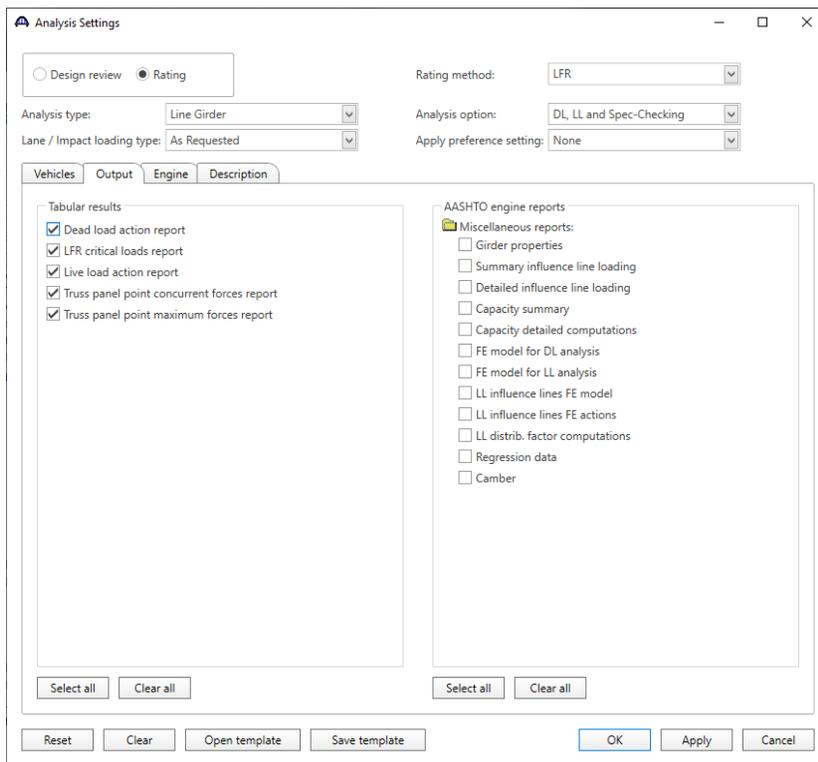
Select the **HS 20 Rating with Report** and click the **Open** button.

E11 - Exporting Importing Data

The analysis settings window will be populated as per the template file selected, as shown below:



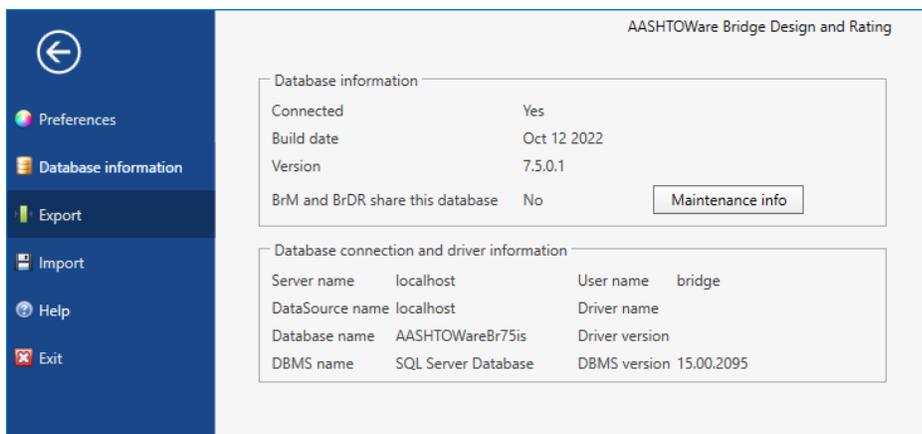
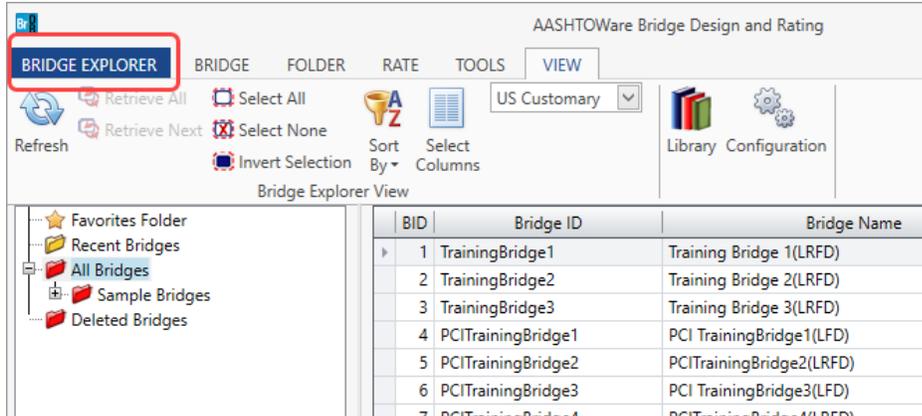
The output settings are exported and imported to the analysis event template.



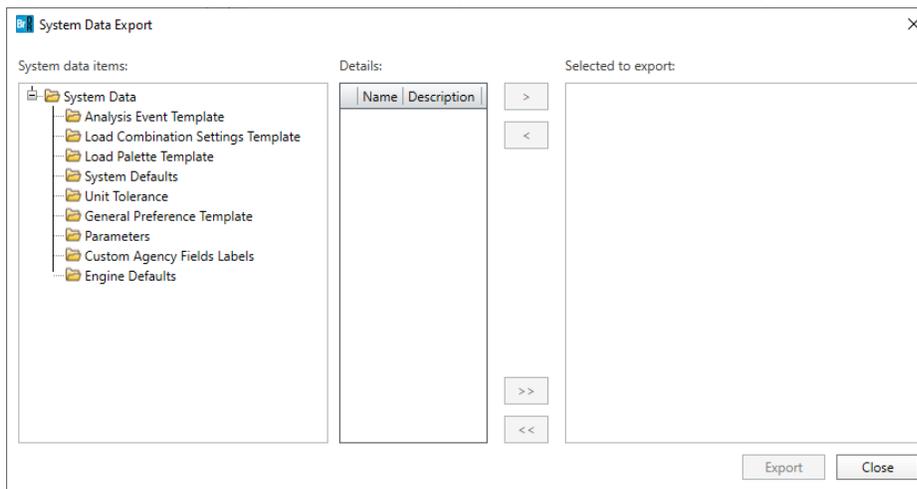
E11 - Exporting Importing Data

Import and export System Defaults

To export system defaults, open BrDR with the sample database (AASHTOWareBr75s) that is provided with the installation and click the **Export** button on the **Bridge Explorer ribbon** as shown below:

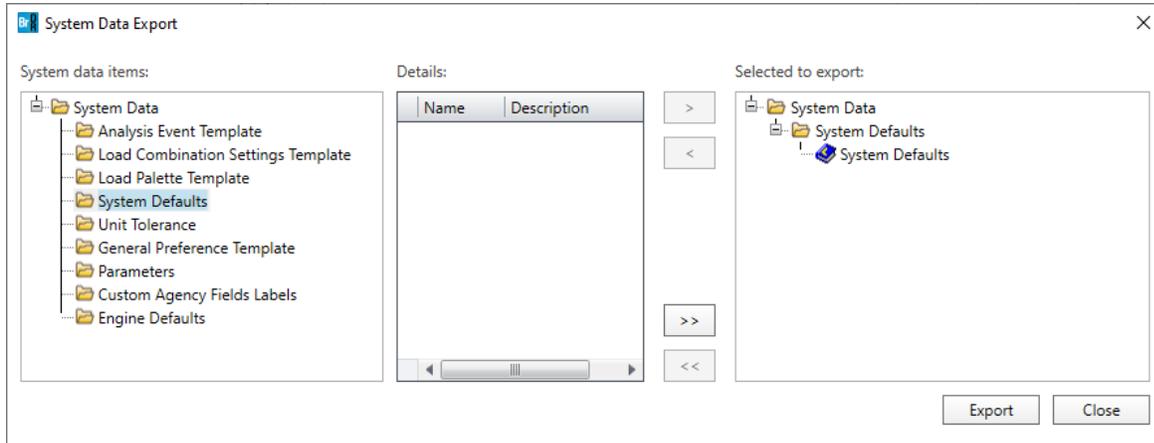


The **System Data Export** dialog will open as shown below:

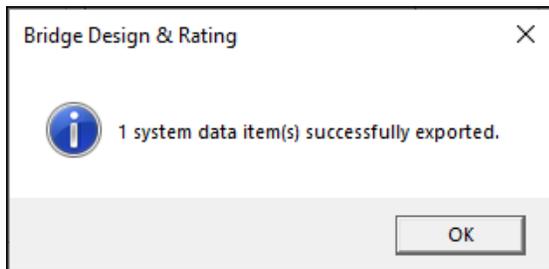


E11 - Exporting Importing Data

Select the **System Defaults** under System Data Items and click the  button to add this System Defaults to the export.



Select the **System Defaults** and click the **Export** button. The **System Data Export** window will open to save the System Defaults as a **.brsx** file on the local drive. Enter a name in **File name** and click the **Save** button to save the System Defaults on the local drive. When the export process is complete the following message will be displayed.

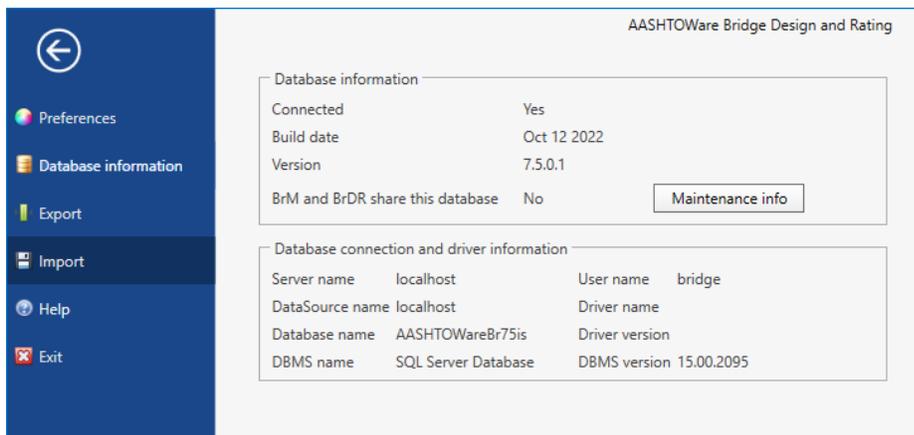
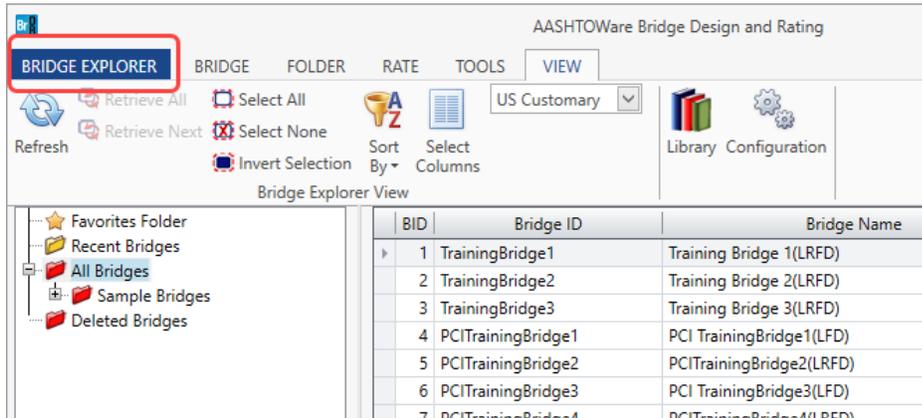


Click **OK** and **Close** the **System Data Export** window.

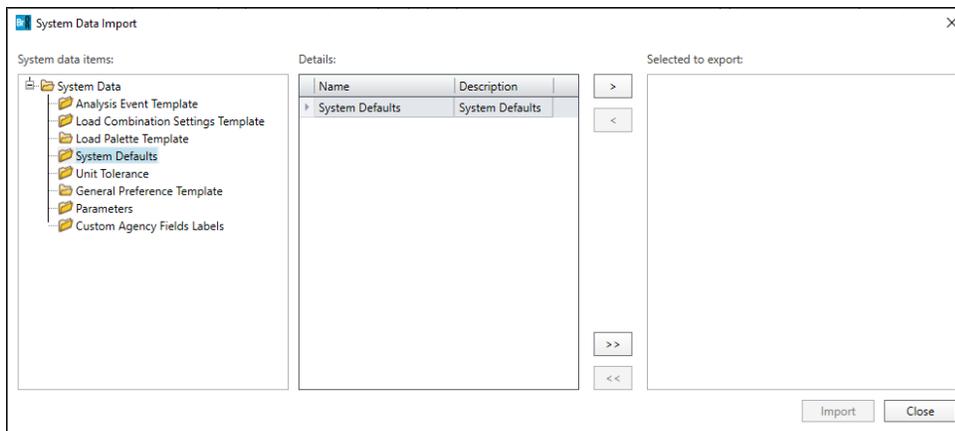
Close BrDR, restart BrDR and log on to the production database that you are going to import the system defaults.

E11 - Exporting Importing Data

Click the **Import** button on the **Bridge Explorer** ribbon as shown below:



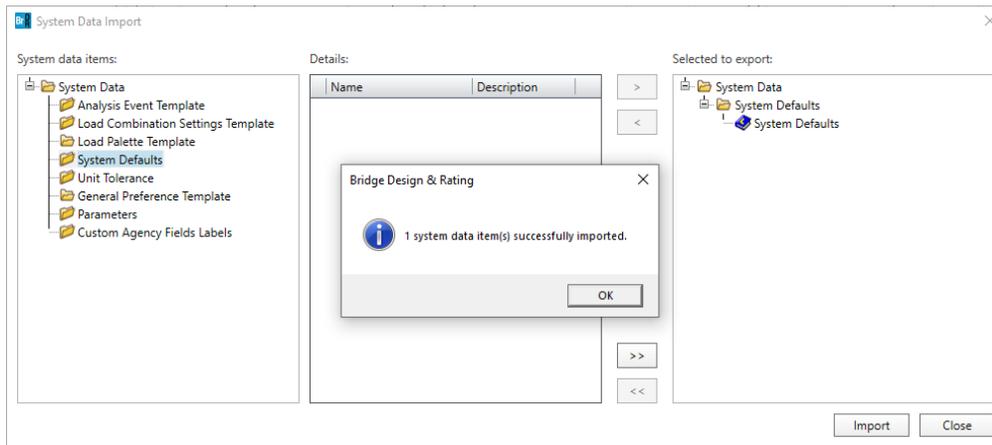
The **System Data Import** window will open allowing the user to select and import the system defaults **.brsx** file saved to the local drive. In this example, the **System Defaults** template is selected that was exported from the sample database in the previous step. The **System Data Import** window will open as shown below.



E11 - Exporting Importing Data

Select the **System Defaults** and click the  button to add this system defaults template to the **Selected for import** view box and click **Import** button to start the import.

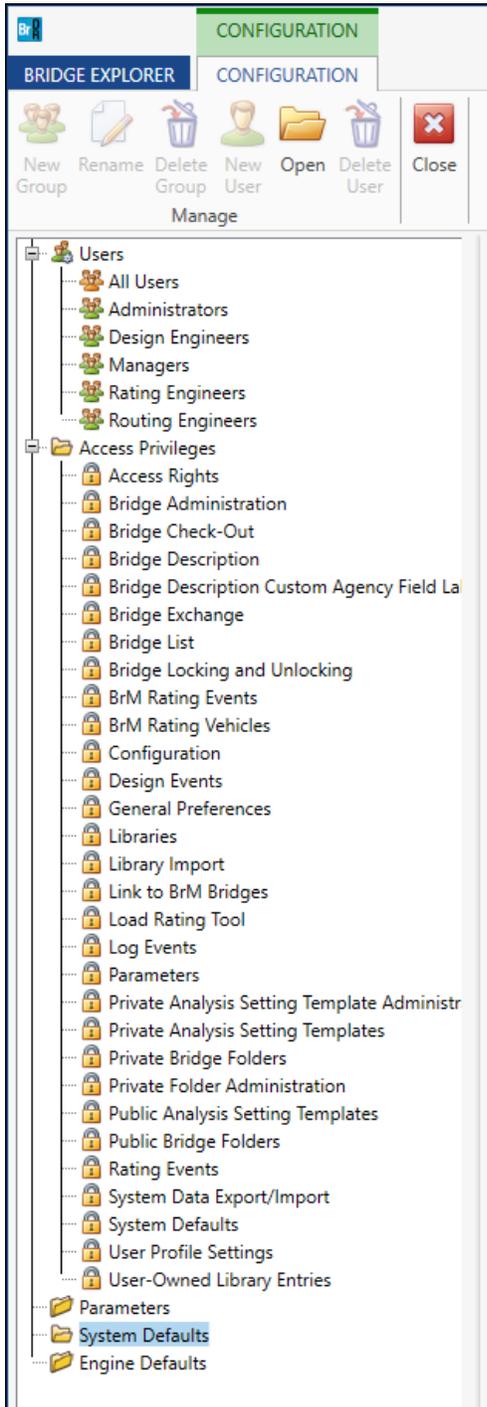
When the import process is complete, the following message will be displayed.



Click **OK** and **Close** the System Data Import window.

E11 - Exporting Importing Data

To view the imported System Defaults, click the **Configuration Browser** button on the View ribbon. The **Configuration Browser** will open as shown below.



Select the **System Defaults** at the bottom and double click to open the **System Defaults** window to view imported data.

E11 - Exporting Importing Data

