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*AASHTOWare BrD/BrR 6.8*

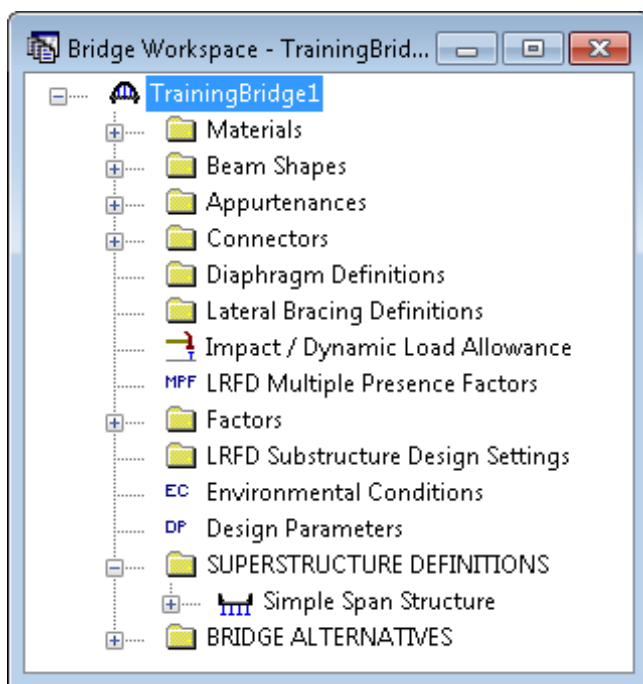
***Report Tutorial***  
*RPT – Report Tool Example*

## RPT - Report Tool Example


This example will illustrate the following topics for Report Tool:

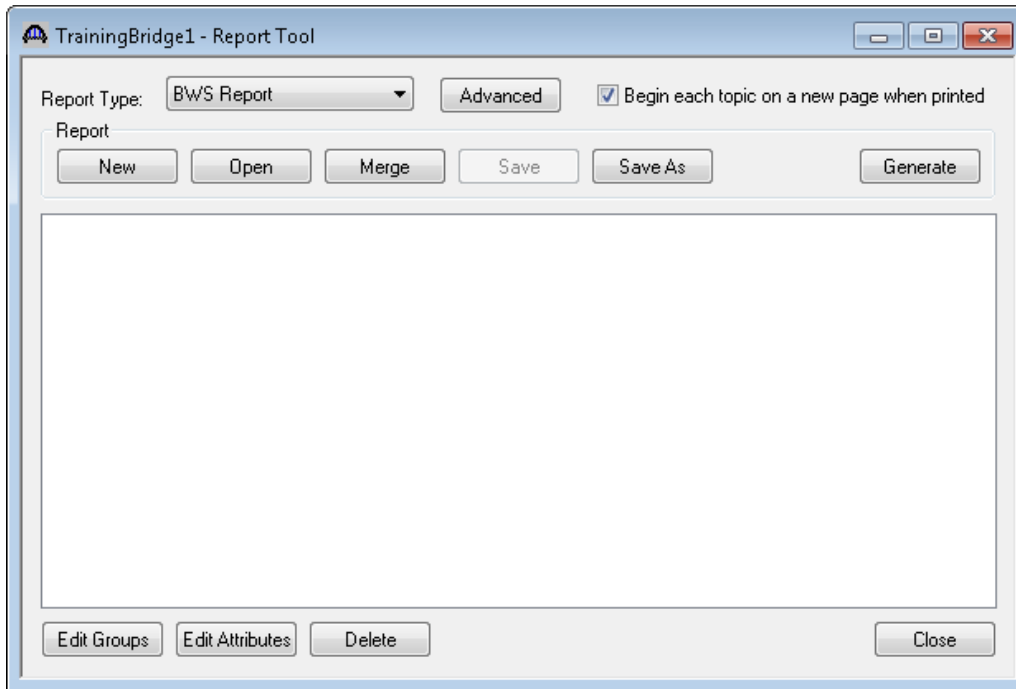
- Add groups and attributes.
- Delete groups and attributes.
- Save the selected groups and attributes to a report definition file.
- Generate a report.
- Merge two report definition files.

Double-click TrainingBridge1 on the right portion of Bridge Explorer to bring up the Bridge Workspace for TrainingBridge1.

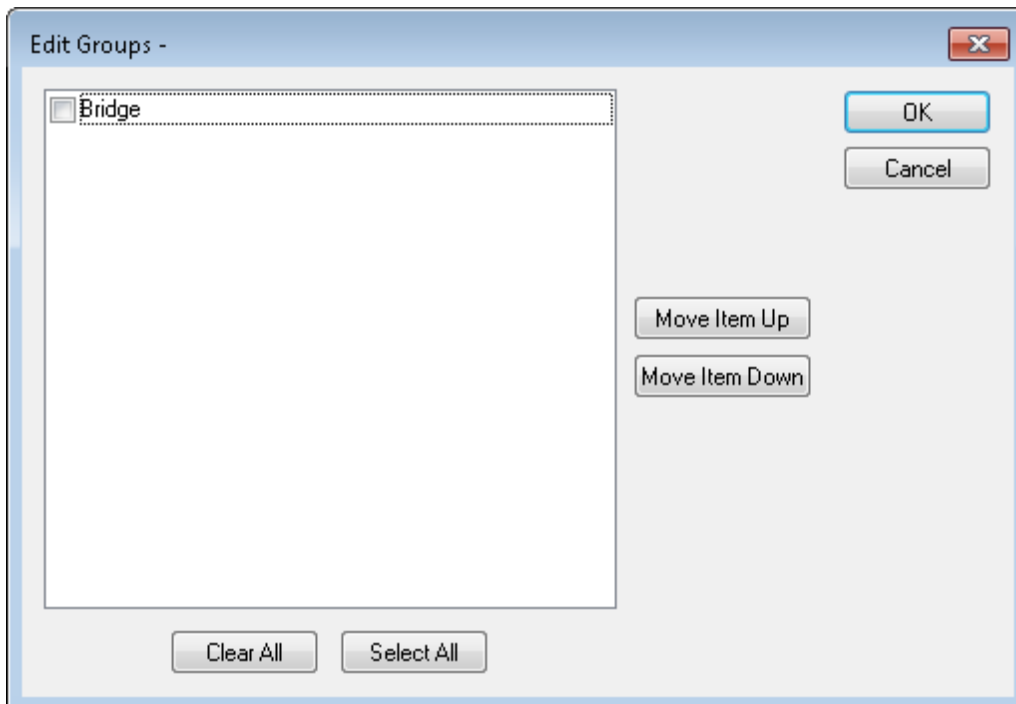


## RPT - Report Tool Example

Open the Report Tool by clicking the Report Tool button  on the toolbar or selecting the Report Tool menu item on the Bridge menu.

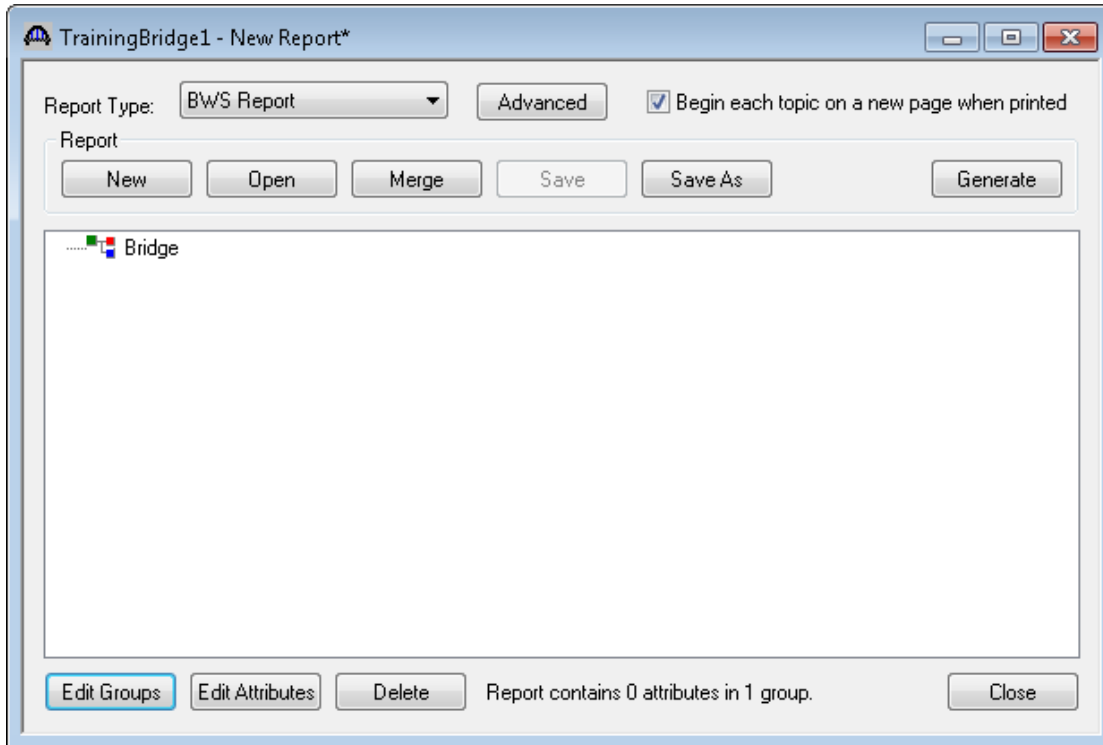


Click on the Edit Groups button and select the check box next to the Bridge group.

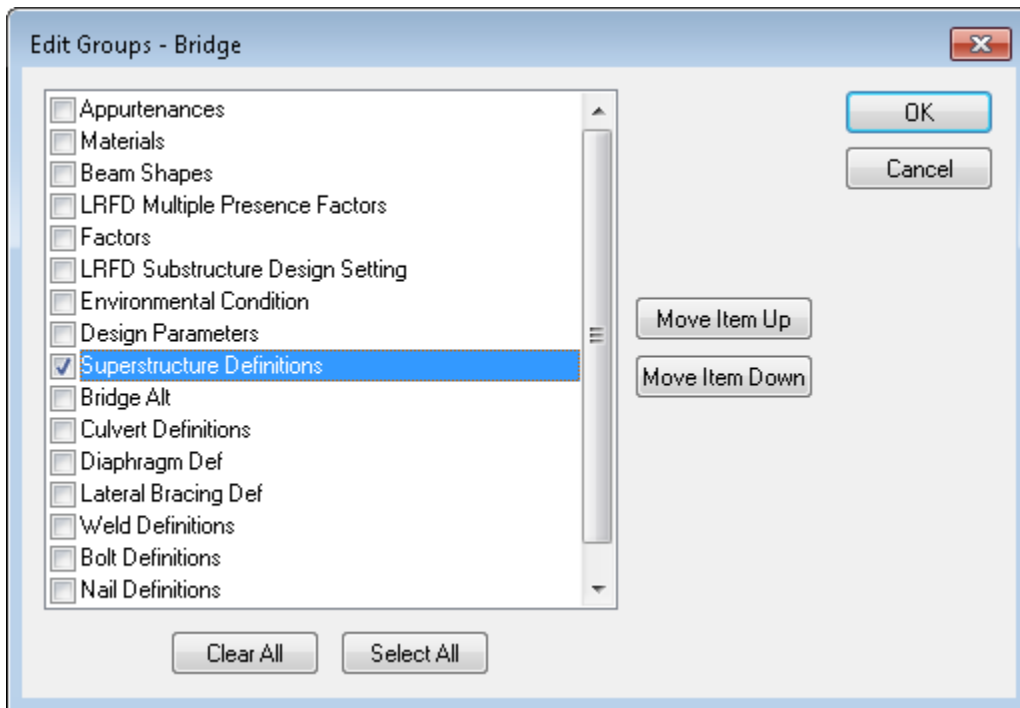


Click OK to add the Bridge group to the report definition and return to the Report Tool.

## RPT - Report Tool Example

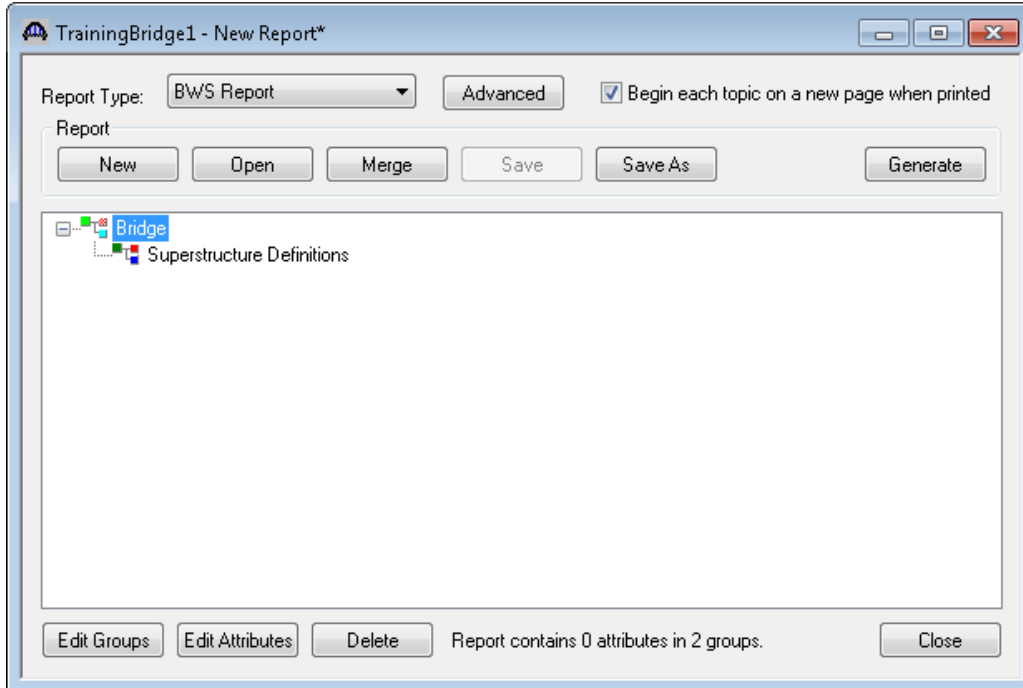


Select the Bridge group and click on the Edit Groups button. Select the check box next to the Super Structure Definitions group.

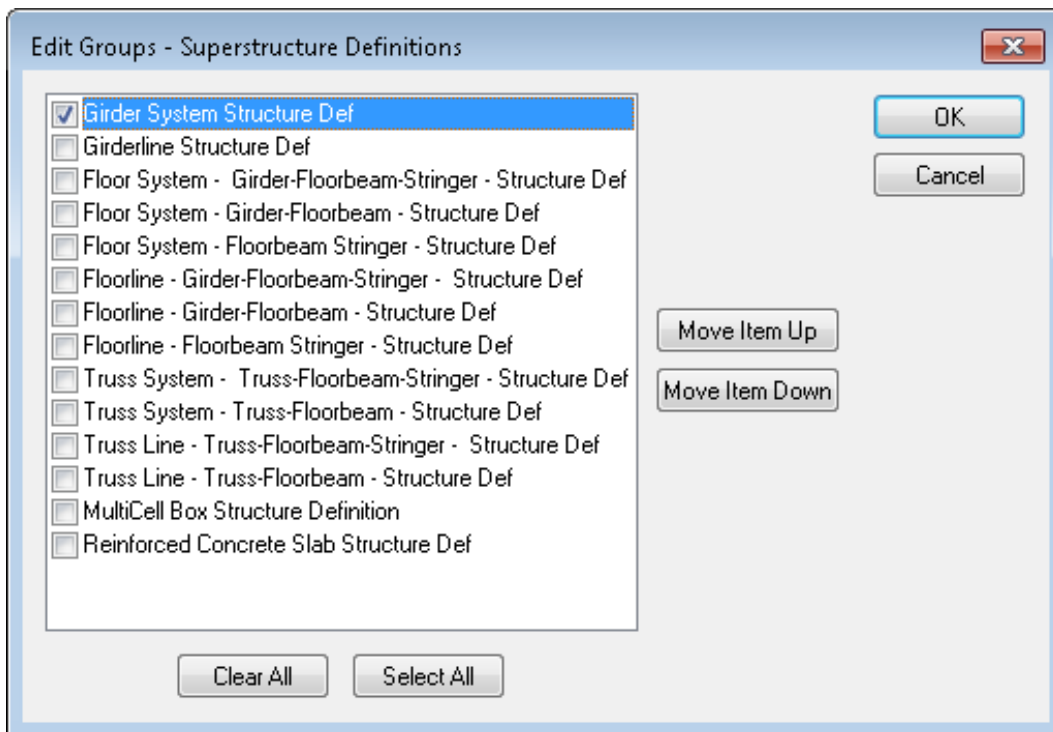


Click OK to add the Super Structure Definitions group to the report definition and return to the Report Tool. Click on the  $\oplus$  next to the Bridge group to expand the report definition.

## RPT - Report Tool Example

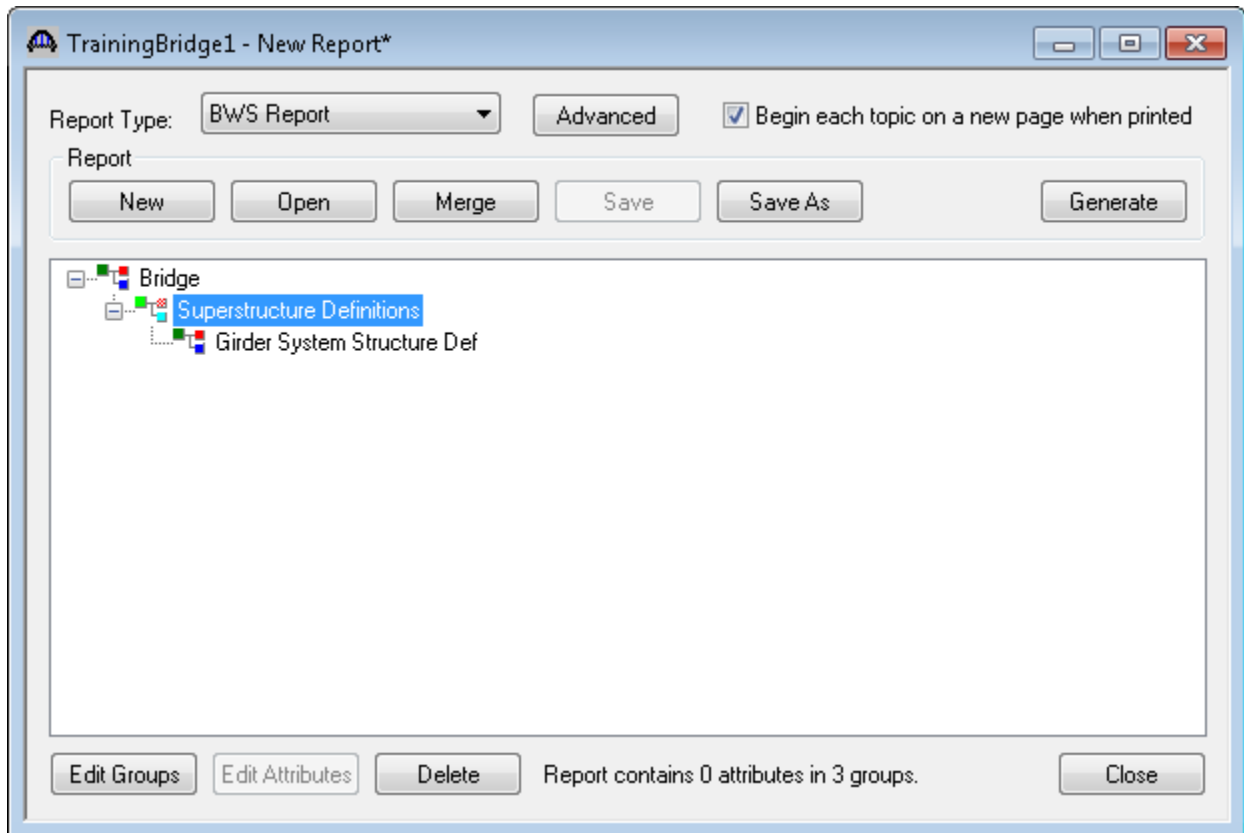


Select the Super Structure Definitions group and click on the Edit Groups button. Select the check box next to the Girder System Structure Def group.



Click OK to add the Girder System Structure Def group to the report definition and return to the Report Tool. Click on the  $\oplus$  next to the Super Structure Definitions group to expand the report definition.

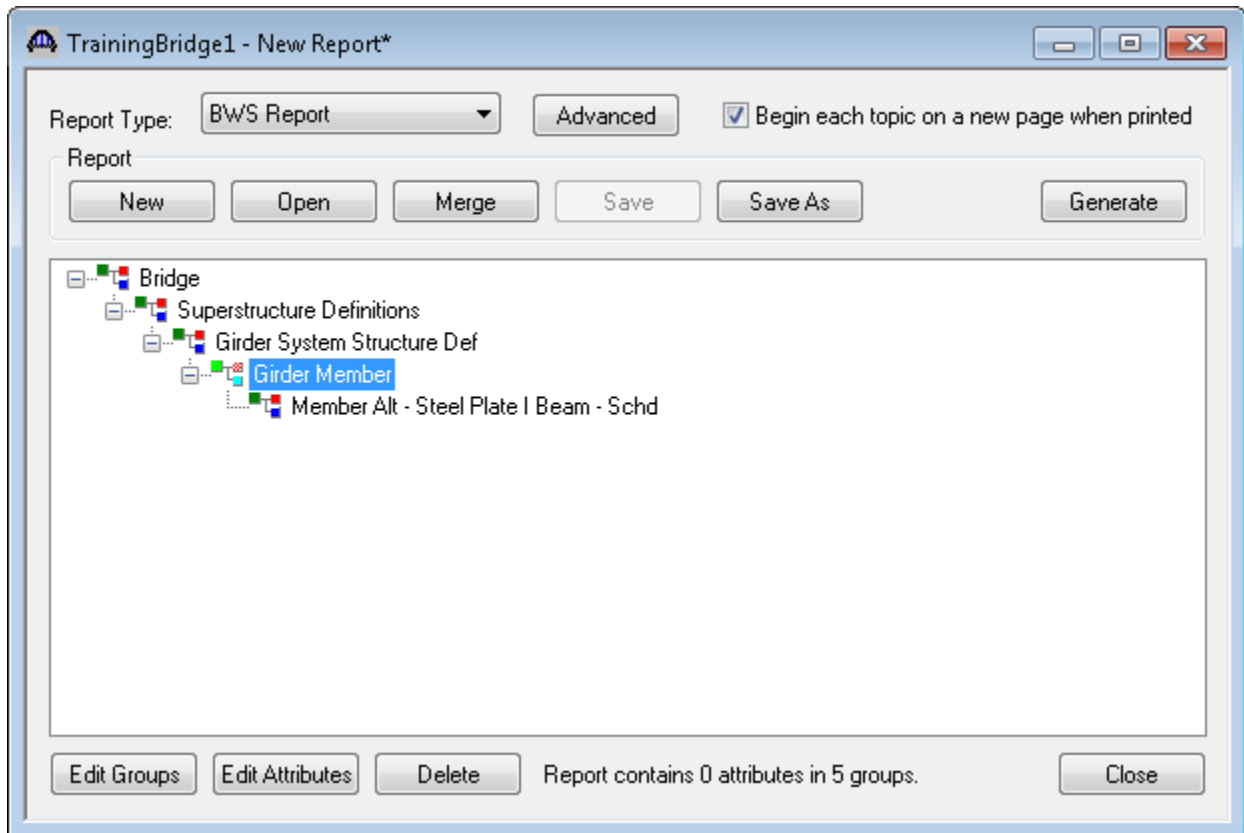
## RPT - Report Tool Example



Select the Girder System Structure Def group and click on the Edit Groups button. Select the check box next to the Girder Member group. Click OK to add the Girder Member group to the report definition and return to the Report Tool. Click on the  $\oplus$  next to the Girder System Structure Def group to expand the report definition.

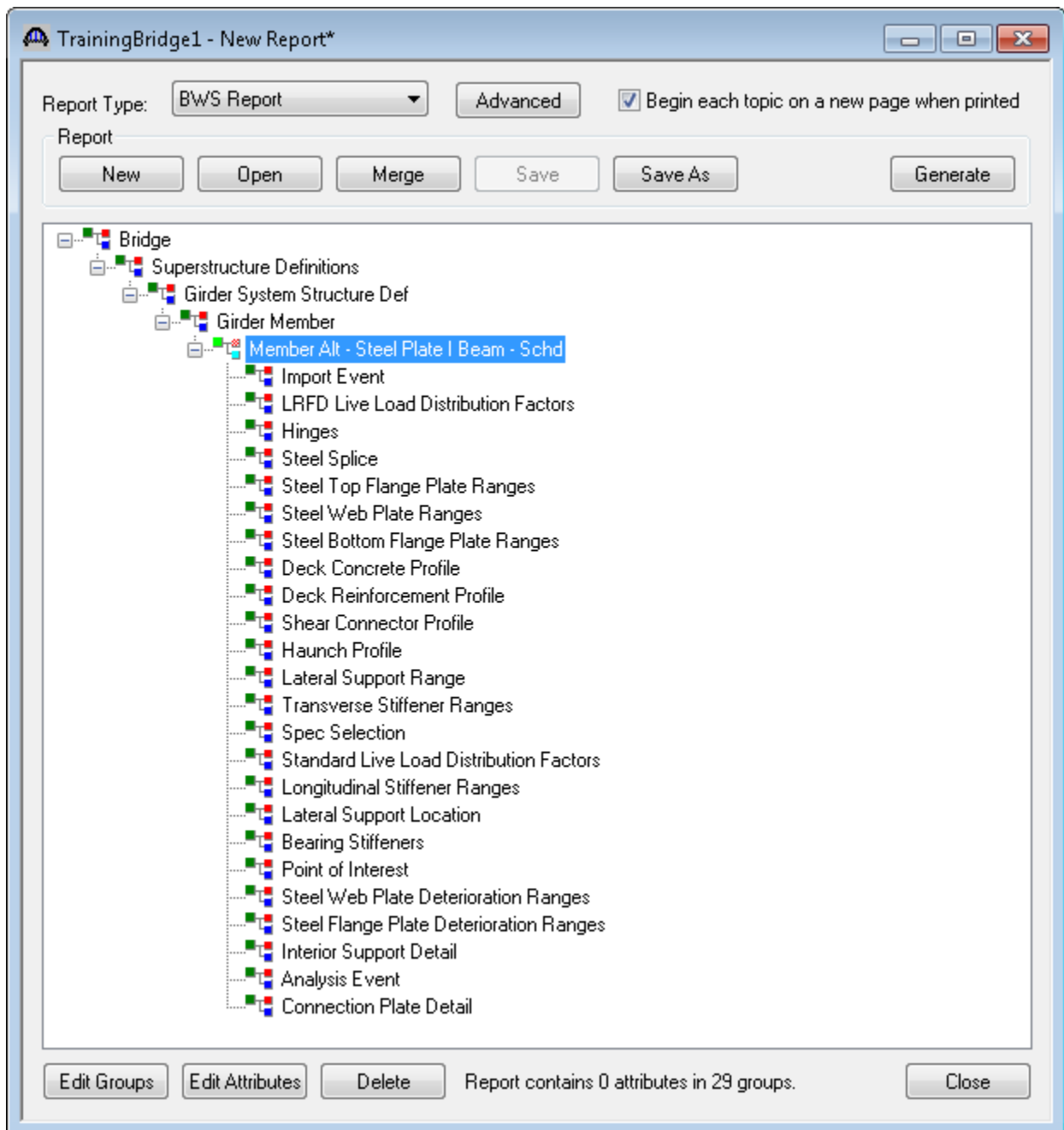
Select the Girder Member group and click on the Edit Groups button. Select the check box next to the Member Alt – Steel Plate I Beam - Schd group. Click OK to add the Member Alt – Steel Plate I Beam - Schd group to the report definition and return to the Report Tool. Click on the  $\oplus$  next to the Girder Member group to expand the report definition.

## RPT - Report Tool Example



Select the Member Alt – Steel Plate I Beam - Schd group and click on the Edit Groups button. Select the Select All button. Click OK to add all the groups in the Member Alt – Steel Plate I Beam - Schd group to the report definition and return to the Report Tool. Click on the  $\oplus$  next to the Member Alt – Steel Plate I Beam - Schd group to expand the report definition.

## RPT - Report Tool Example



Select the Import Event group and click on the Delete button to delete the Import Event group from the report definition.

Select the Hinges group and click on the Delete button.

Select the Deck Reinforcement Profile group and click on the Delete button.

Select the Longitudinal Stiffener Ranges group and click on the Delete button.

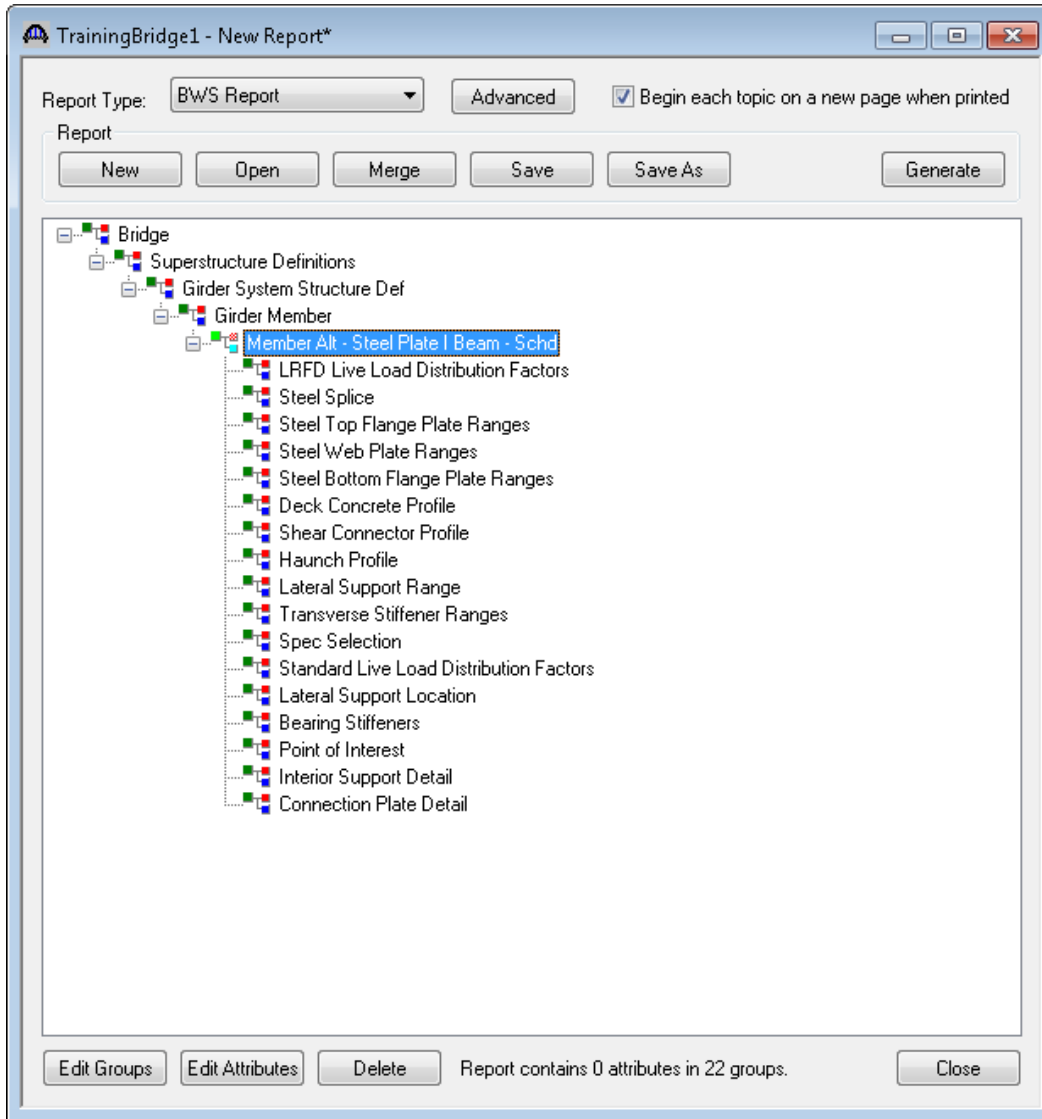
Select the Steel Web Plate Deterioration Ranges group and click on the Delete button.



## RPT - Report Tool Example

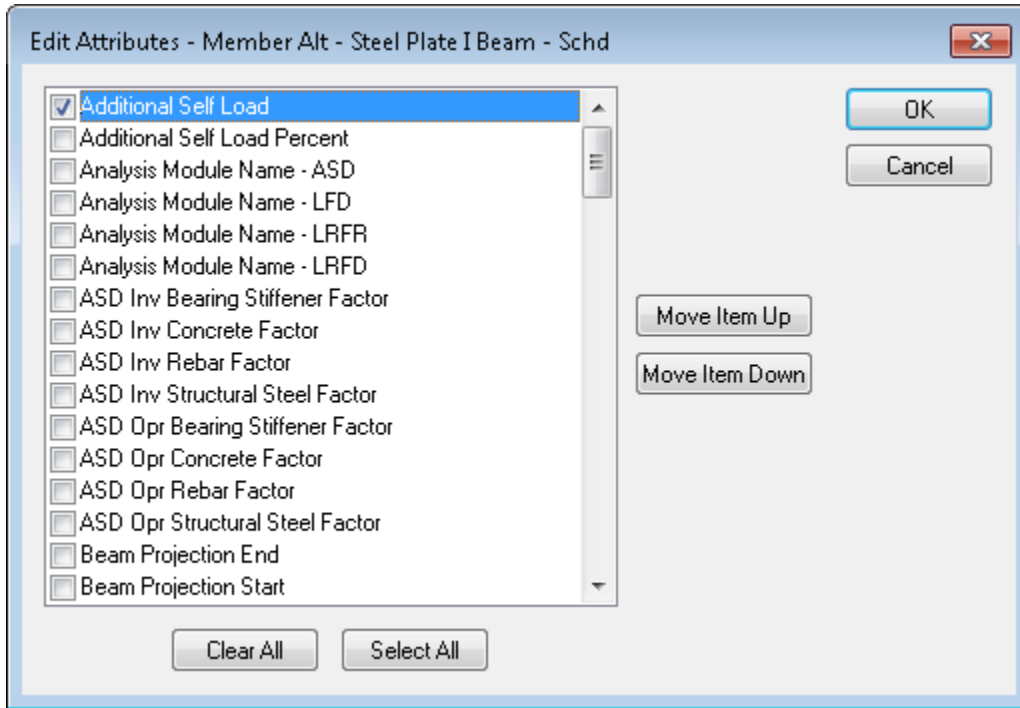
Select the Steel Flange Plate Deterioration Ranges group and click on the Delete button.

Select the Analysis Event group and click on the Delete button.

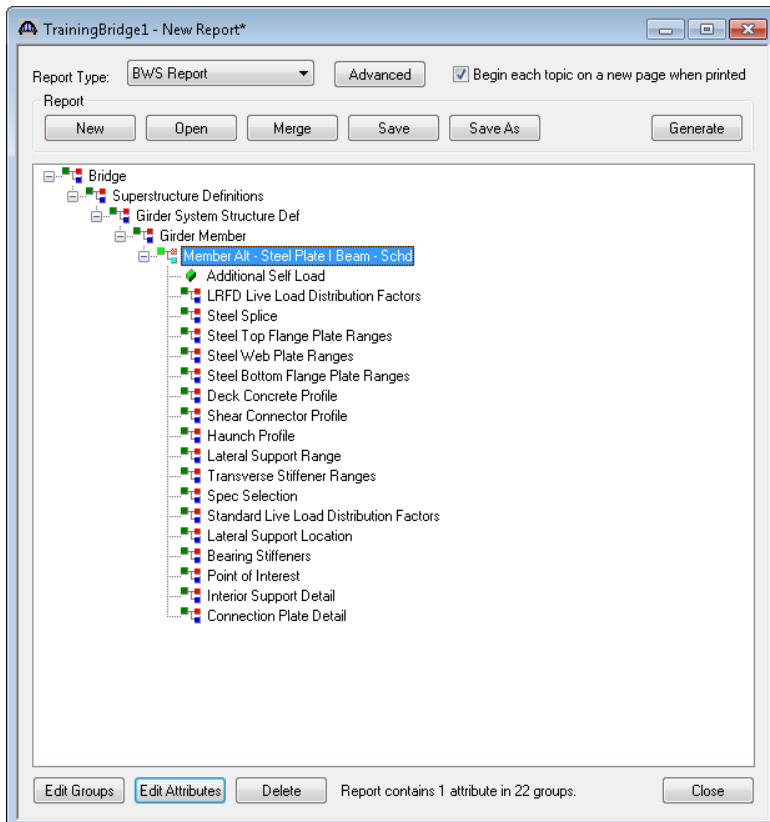


## RPT - Report Tool Example


Select the Member Alt – Steel Plate I Beam - Schd group and click on the Edit Attributes button. Select the check box next to the Additional Self Load attribute.

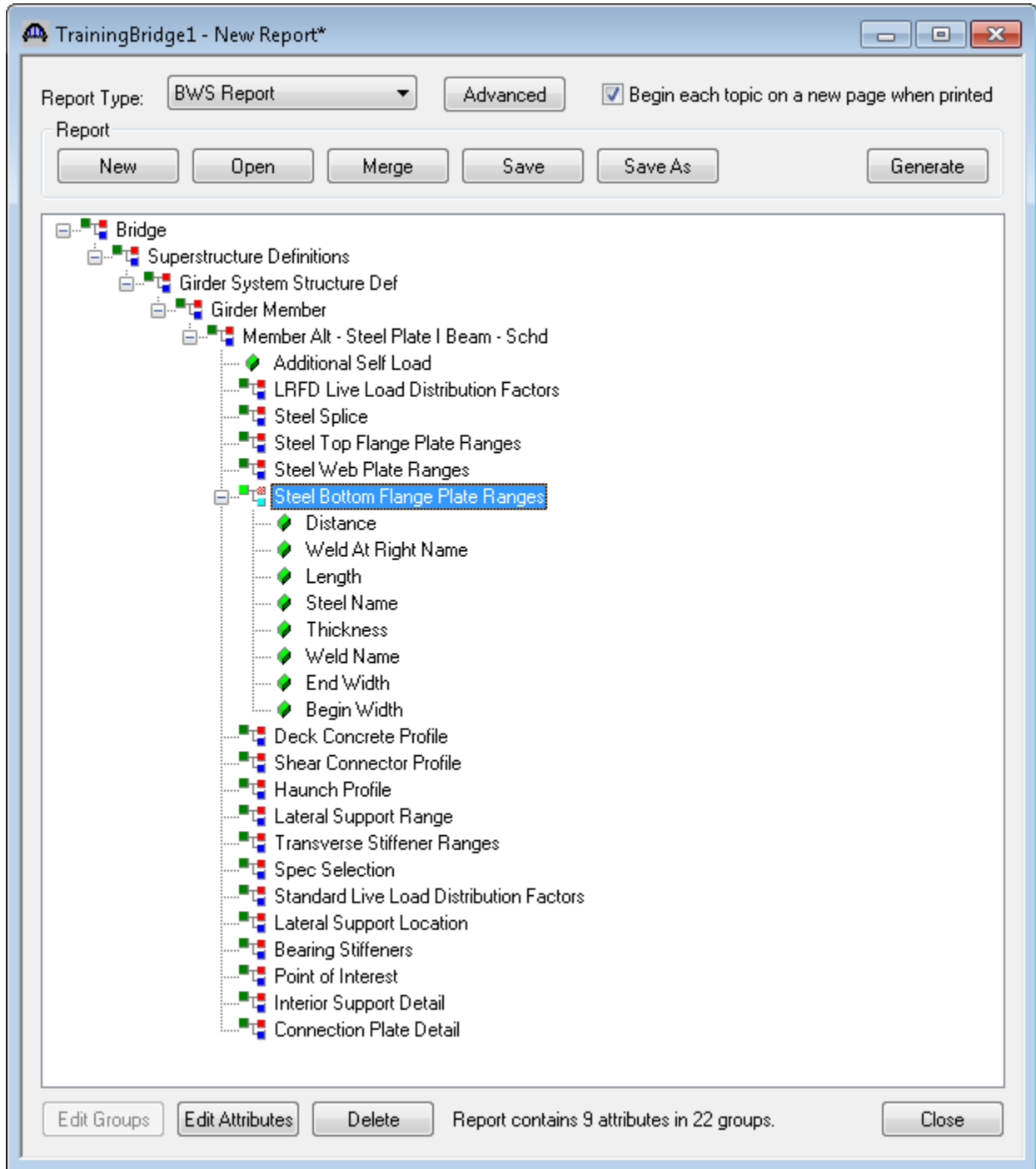


Click OK to add the Additional Self Load attribute to the report definition and return to the Report Tool.



## RPT - Report Tool Example

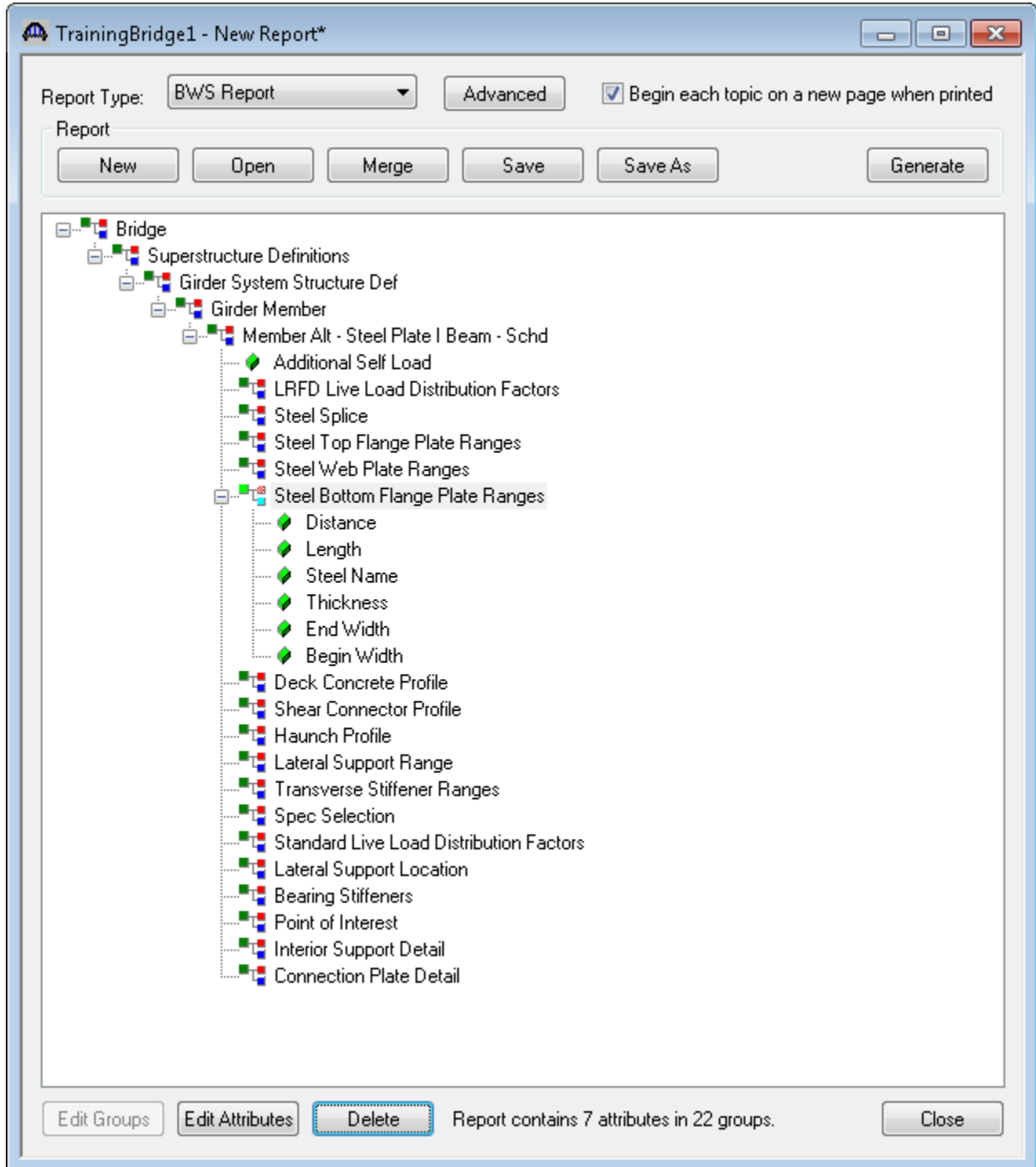
Select the Steel Bottom Flange Plate Ranges group and click on the Edit Attributes button. Select the Select All Button. Click OK to add all the attributes in the Steel Bottom Flange Plate Ranges group to the report definition and return to the Report Tool. Click on the  next to the Steel Bottom Flange Plate Ranges group to expand the report definition.



## RPT - Report Tool Example

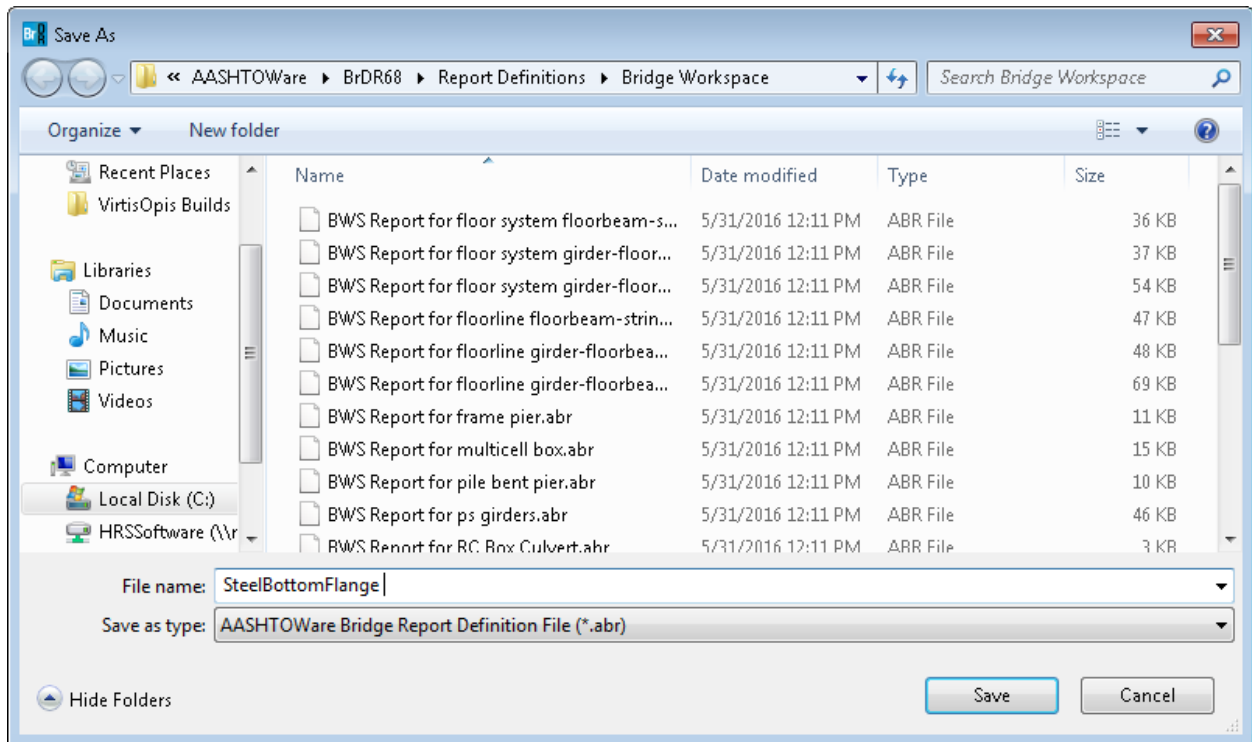
Select the Weld At Right Name attribute and click on the Delete button to delete the Weld At Right Name attribute from the report definition.

Select the Weld Name attribute and click on the Delete button.



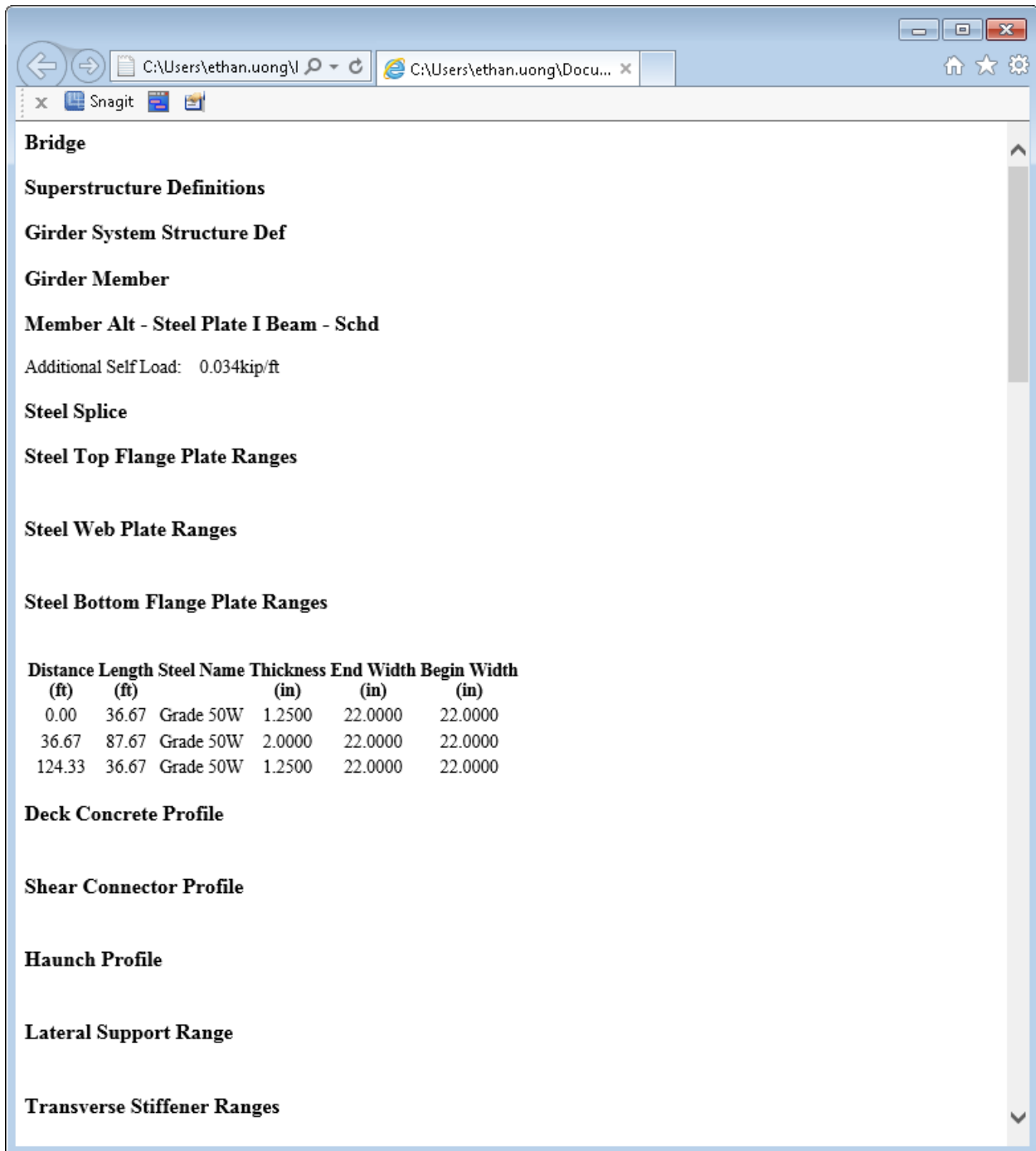
## RPT - Report Tool Example

Click on the Save As button and enter SteelBottomFlange in the File name edit box. Click Save to save the report definition to SteelBottomFlange.abr file.



## RPT - Report Tool Example

Click on the Generate button to generate a report for TrainingBridge1 in Internet Explorer. The report is based on the selected groups and attributes in the report definition.



**Bridge**

**Superstructure Definitions**

**Girder System Structure Def**

**Girder Member**

**Member Alt - Steel Plate I Beam - Schd**

Additional Self Load: 0.034kip/ft

**Steel Splice**

**Steel Top Flange Plate Ranges**

**Steel Web Plate Ranges**

**Steel Bottom Flange Plate Ranges**

Distance (ft)	Length (ft)	Steel Name	Thickness (in)	End Width (in)	Begin Width (in)
0.00	36.67	Grade 50W	1.2500	22.0000	22.0000
36.67	87.67	Grade 50W	2.0000	22.0000	22.0000
124.33	36.67	Grade 50W	1.2500	22.0000	22.0000

**Deck Concrete Profile**

**Shear Connector Profile**

**Haunch Profile**

**Lateral Support Range**

**Transverse Stiffener Ranges**

## RPT - Report Tool Example

Click on the New button to create a new report definition.

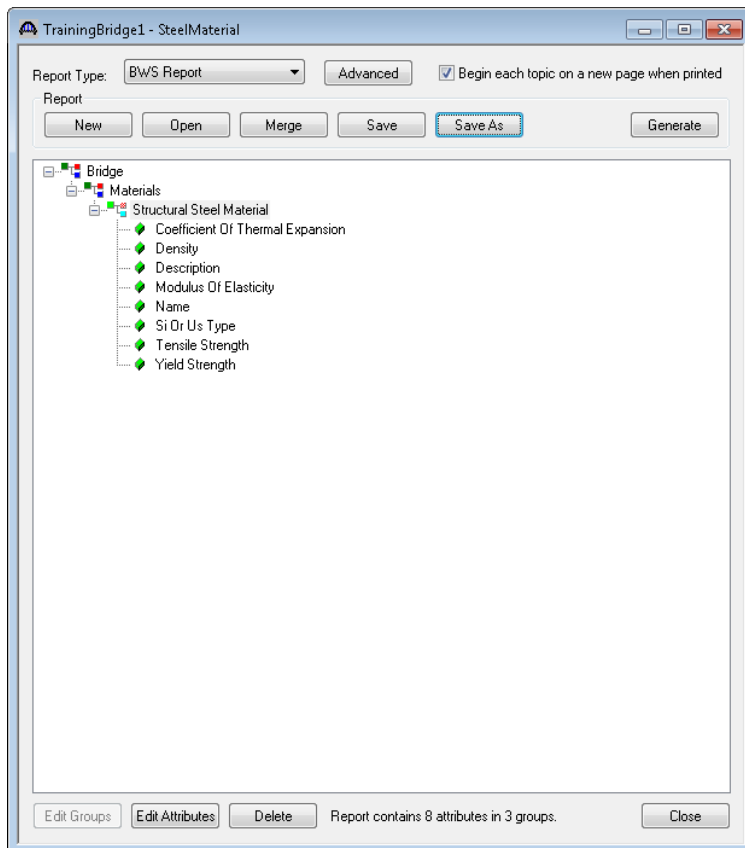
Click on the Edit Groups button and select the check box next to the Bridge group. Click OK to add the Bridge group to the report definition and return to the Report Tool.

Select the Bridge group and click on the Edit Groups button. Select the check box next to the Materials group. Click OK to add the Materials group to the report definition and return to the Report Tool. Click on the  next to the Bridge group to expand the report definition.

Select the Materials group and click on the Edit Groups button. Select the check box next to the Structural Steel Material group. Click OK to add the Structural Steel Material group to the report definition and return to the Report Tool. Click on the  next to the Materials group to expand the report definition.

Select the Structural Steel Material group and click on the Edit Attributes button. Select the Select All Button. Click OK to add all the attributes in the Structural Steel Material group to the report definition and return to the Report Tool. Click on the  next to the Structural Steel Material group to expand the report definition.

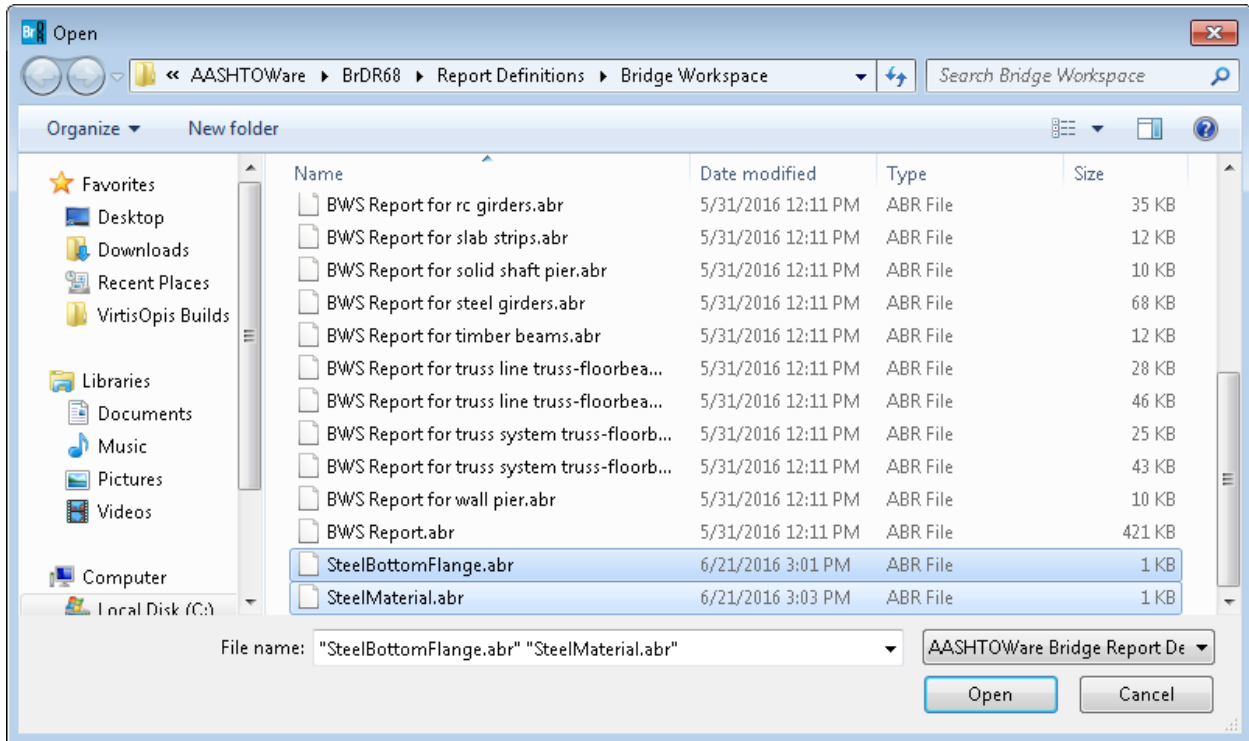
Click on the Save As button and enter SteelMaterial in the File name edit box. Click Save to save the report definition to SteelMaterial.abr file.



## RPT - Report Tool Example

Click on the New button to create a new report definition.

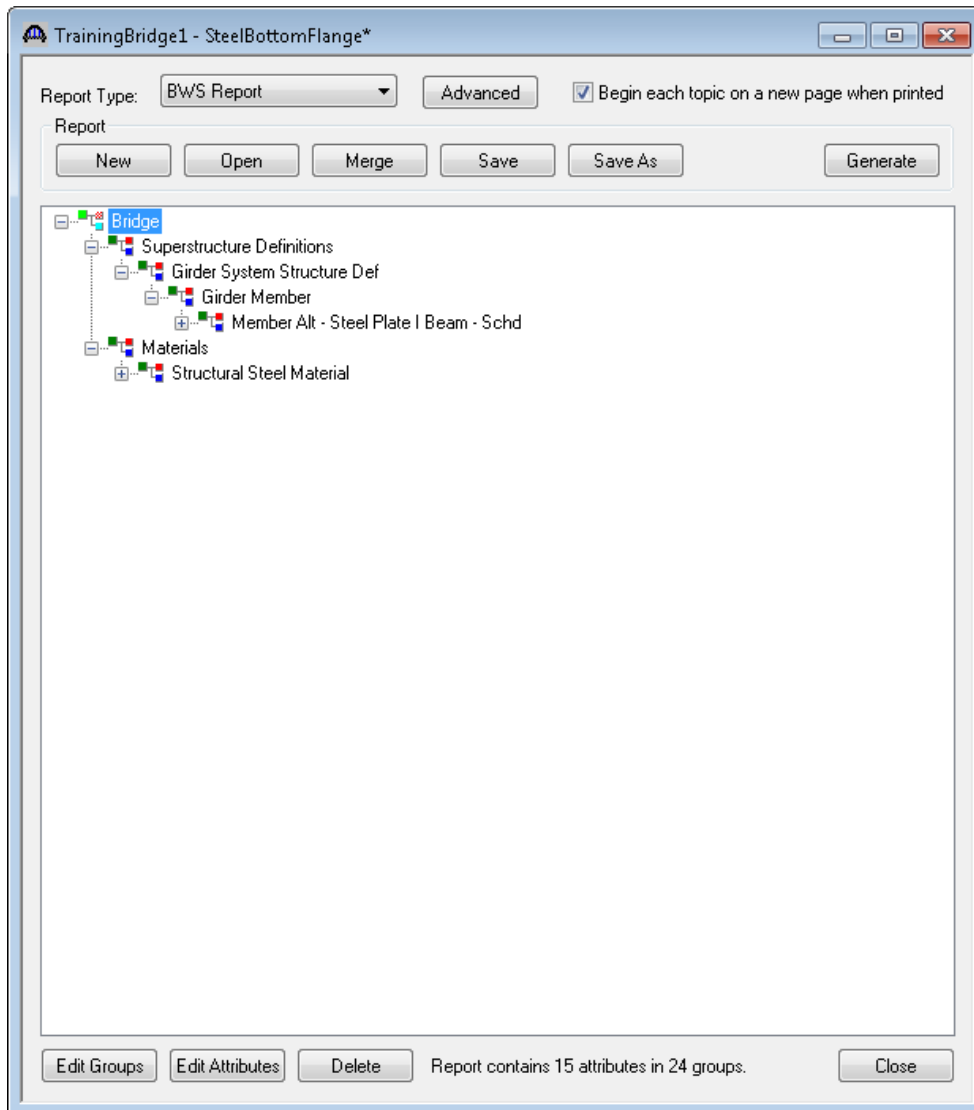
Click on the Merge button and select the SteelBottomFlange.abr and SteelMaterial.abr files.



Click Open to merge the SteelBottomFlange report definition to the SteelMaterial report definition and return to the Report Tool.



## RPT - Report Tool Example



Click Save to save the merged report definition to SteelMaterial.abr file. Or, click Save As to save to another report definition file.