AASHTOWare BrDR 7.5.1 Report Tutorial Substructure Results Report

Substructure Results Report

Note: This tutorial is available from version 7.5.1 onward.

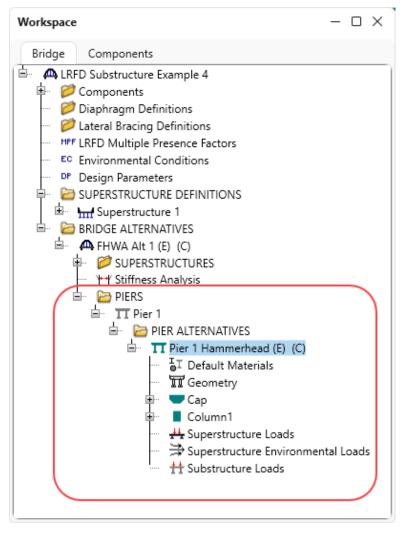
Topics Covered

• Table of Contents feature in substructure results report.

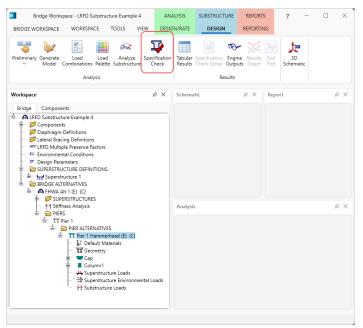
From the **Bridge Explorer**, select **LRFD Substructure Example 4** (**BID23**) and double click (or right click and select **Open**, or select and click on the **Open** button from the **BRIDGE** ribbon) to open it as shown below.

| New Open Import | IDGE EXPLORER | | idge Design and Rating | ? – | | × |
|---|--------------------|----------------------------------|---|-------------|--------------|-----|
| Bridge Manage Ctrl+O | | | | | | |
| Favorites Folder BiD Bridge ID Delete District Comy Ctrl+C | | io nom | 🗁 Open Ctrl+O | | | |
| BID Bridge ID Delete District County | Bridge | Manage | Copy Ctrl+C | | | |
| Recent Bridges 14 FSys FS TrainingBridge2 Image Rate District 11 333 Norfolk MI Bridges 15 FSys GF TrainingBridge3 Image Rating Results District 1 01 Abbeville Deleted Bridges 16 FLine GFS TrainingBridge2 Image Analysis Events District 1 01 Abbeville 18 FLine GF TrainingBridge3 Image Analysis Events District 1 01 Abbeville 19 TrussTrainingExample Image Analysis Events District 1 01 Abbeville 20 LRFD Substructure Example 1 Image Analysis Events District 1 01 Abbeville 21 LRFD Substructure Example 2 Image Analysis Events District 1 01 Abbeville 22 LRFD Substructure Example 3 Image Analysis Events Image Analysis Events Image Analysis Events Image Analysis Events 22 LRFD Substructure Example 2 Image Analysis Events | 😭 Favorites Folder | BID Bridge ID | The Delete | District | County | |
| All Bridges 15 FSys GF TrainingBridge3 Image Rating Results District 7 06 Barnwell Deleted Bridges 16 FLine GFS TrainingBridge1 Image Rating Results District 2 02 Aiken 18 FLine GFS TrainingBridge3 Image Analysis Events District 1 01 Abbeville 19 TrussTrainingExample Image Analysis Events District 1 01 Abbeville 20 LRFD Substructure Example 1 Image Analysis Events District 1 01 Abbeville 21 LRFD Substructure Example 2 Image Analysis Events Image Analysis Events Image Analysis Events Image Analysis Events 22 LRFD Substructure Example 1 Image Analysis Events 23 LRFD Substructure Example 1 Image Analysis Events Image Analysis | - necent bridges | 14 FSys FS TrainingBridge2 | - | District 11 | 333 Norfolk | 1-9 |
| Marcel Sample Bridges 16 FLine GFS TrainingBridge1 Rating Results District 1 01 Abbeville 17 FLine GFS TrainingBridge2 Manage Analysis Events District 2 02 Aiken 18 FLine GF TrainingBridge3 Manage Analysis Events District 1 01 Abbeville 20 LRFD Substructure Example Manage Analysis Events District 1 01 Abbeville 20 LRFD Substructure Example 1 Manage Analysis Events District 1 01 Abbeville 21 LRFD Substructure Example 2 Manage Analysis Events District 1 01 Abbeville 22 LRFD Substructure Example 3 Manage Analysis Events District 1 01 Abbeville 22 LRFD Substructure Example 4 LRFD Substructure Example 4 Matachments 16 16 23 LRFD Substructure Example 4 LRFD Substructure Example 4 (NHI Hammer Head) 12 12 12 Chester 24 Visual Reference 1 Visual Reference 1 District 1 12 Chester 25 Culvert Example 1 Culvert Example 1 12 12 26 Curved Guide Spec Curved Guide Spec Example 1 1 | | | III Rate | District 7 | 06 Barnwell | 1-9 |
| Deleted Bridges 17 FLine FS TrainingBridge2 Image Analysis Events District 2 02 Aiken 18 FLine GF TrainingBridge3 Image Analysis Events District 1 01 Abbeville 19 TrussTrainingExample Image Analysis Events District 2 02 Aiken 20 LRFD Substructure Example 1 Image Analysis Events District 1 01 Abbeville 21 LRFD Substructure Example 2 Image Analysis Events Image Analysis Events Image Analysis Events Image Analysis Events 22 LRFD Substructure Example 1 Image Analysis Events | - sample sneges | | Rating Results | District 1 | 01 Abbeville | 1-5 |
| 18 FLine GF TrainingBridge3 District 1 01 Abbeville 19 TrussTrainingExample Image: Construct 1 01 Abbeville 20 LRFD Substructure Example 1 Image: Construct 1 01 Abbeville 21 LRFD Substructure Example 2 Image: Construct 1 01 Abbeville 22 LRFD Substructure Example 3 Image: Construct 1 01 Abbeville 22 LRFD Substructure Example 4 LRFD Substructure Example 4 (NHI Hammer Head) Image: Construct 1 01 Abbeville 23 LRFD Substructure Example 4 LRFD Substructure Example 4 (NHI Hammer Head) Image: Construct 1 01 Abbeville 24 Visual Reference 1 Visual Reference 1 District 1 12 Chester 25 Culvert Example 1 Culvert Example 1 District 1 12 Chester 26 Curved Guide Spec Curved Guide Spec Example(LFR) Image: Construct 1 12 Chester 28 Gusset Plate Example Gusset Plate Example District 1 12 29 Splice Example Splice Example District 1 14 29 Splice Example Splice Example Image: Const LL-Splice 11 | Deleted Bridges | | | District 2 | 02 Aiken | 1-7 |
| 19 TrussTrainingExample Image: Report Tool Image: Report Tool 20 LRFD Substructure Example 1 Image: Attachments Image: Report Tool 21 LRFD Substructure Example 2 Image: Report Tool Image: Report Tool 22 LRFD Substructure Example 3 Image: Report Tool Image: Report Tool 22 LRFD Substructure Example 3 Image: Report Tool Image: Report Tool 22 LRFD Substructure Example 4 LRFD Substructure Example 4 (NHI Hammer Head) Image: Report Tool 23 LRFD Substructure Example 4 LRFD Substructure Example 4 (NHI Hammer Head) Image: Report Tool 24 Visual Reference 1 Visual Reference 1 District 1 12 Chester 25 Culvert Example 1 Culvert Example 1 Image: Report Tool Image: Report Tool 25 Curved Guide Spec Curved Guide Spec Example 1 Image: Report Tool Image: Report Tool 26 Curved Guide Spec Curved Guide Spec Examples Image: Report Tool Image: Report Tool 27 MultiCell Box Example Gusset Plate Example Image: Report Tool Image: Report Tool 28 Gusset Plate Example Splice Exam | | | Manage Analysis Events | District 1 | 01 Abbeville | 1-9 |
| 20 LRFD Substructure Example 1 Attachments Image: Constructure Example 2 21 LRFD Substructure Example 2 Image: Constructure Example 3 Image: Constructure Example 4 22 LRFD Substructure Example 4 LRFD Substructure Example 4 LRFD Substructure Example 4 22 LRFD Substructure Example 4 LRFD Substructure Example 4 Image: Constructure Example 4 23 LRFD Substructure Example 4 LRFD Substructure Example 4 (NHI Hammer Head) Image: Constructure Example 4 24 Visual Reference 1 Visual Reference 1 District 1 12 Chester 25 Culvert Example 1 Culvert Example 1 Image: Constructure Example 4 Image: Constructure Example 1 Image: Constructure Example 1 Image: Constructure Example 1 Image: Constructure Example 3 Image: Constructure Example 3 <td></td> <td></td> <td>Report Tool</td> <td></td> <td></td> <td>-</td> | | | Report Tool | | | - |
| 21 LRFD Substructure Example 2 Image: Second S | | | | | | - |
| > 22 End bibblicture Example 3 End bibblicture Example 4 LRFD Substructure Example 4 (NHI Hammer Head) > 23 LRFD Substructure Example 4 LRFD Substructure Example 4 (NHI Hammer Head) 24 Visual Reference 1 Visual Reference 1 District 1 12 Chester 25 Culvert Example 1 Culvert Example 1 District 1 12 Chester 26 Curved Guide Spec Curved Guide Spec Example(LFR) | | | Attachments | | | SF |
| 24 Visual Reference 1 Visual Reference 1 District 1 12 Chester 25 Culvert Example 1 Culvert Example 1 | | 22 LRFD Substructure Example 3 | General Preferences | | | - |
| 25 Culvert Example 1 Culvert Example 1 26 Curved Guide Spec Curved Guide Spec Example(LFR) 27 MultiCell Box Examples Multi Cell Box Examples 28 Gusset Plate Example Gusset Plate Example 29 Splice Example Splice Example 30 Simple DL-Cont LL-Splice Simple DL Splice | | > 23 LRFD Substructure Example 4 | LRFD Substructure Example 4 (NHI Hammer Head) | | | |
| 26 Curved Guide Spec Curved Guide Spec Example(LFR) Image: Curved Guide Spec Example(LFR) 27 MultiCell Box Examples Multi Cell Box Examples Image: Curved Guide Spec Example 28 Gusset Plate Example Gusset Plate Example District 1 29 Splice Example Splice Example Image: Curved Guide Spec Example 30 Simple DL-Cont LL-Splice Simple DL Splice Unknown | | 24 Visual Reference 1 | Visual Reference 1 | District 1 | 12 Chester | 1-5 |
| 27 MultiCell Box Examples Multi Cell Box Examples District 1 28 Gusset Plate Example Gusset Plate Example District 1 29 Splice Example Splice Example Vincom (norm) 30 Simple DL-Cont LL-Splice Simple DL Splice Unknown (P) | | 25 Culvert Example 1 | Culvert Example 1 | | | - |
| 28 Gusset Plate Example Gusset Plate Example District 1 29 Splice Example Splice Example District 1 30 Simple DL-Cont LL-Splice Simple DL Splice Unknown (P) | | 26 Curved Guide Spec | Curved Guide Spec Example(LFR) | | | - |
| 29 Splice Example Splice Example 30 Simple DL-Cont LL-Splice Simple DL Splice Unknown (P) | | 27 MultiCell Box Examples | Multi Cell Box Examples | | | |
| 30 Simple DL-Cont LL-Splice Simple DL Splice Unknown (P) | | 28 Gusset Plate Example | Gusset Plate Example | District 1 | | |
| | | 29 Splice Example | Splice Example | | | _ |
| 31 MetalCulvertExample1 MetalCulvertExample 1 | | 30 Simple DL-Cont LL-Splice | Simple DL Splice | Unknown | Unknown (P) | N, |
| | | 31 MetalCulvertExample1 | MetalCulvertExample 1 | | | |
| | | 4 | | | | ₽ |

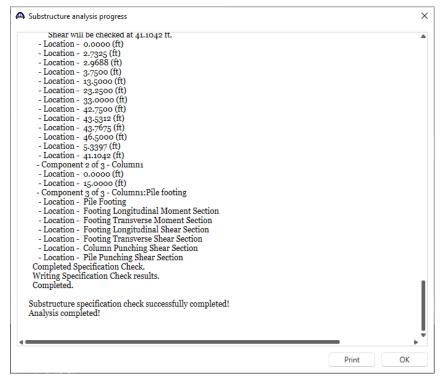
Expand **PIERS** -> **Pier1** -> **PIER ALTERNATIVES** -> **Pier 1 Hammerhead** nodes in the **Bridge Workspace** tree. The partially expanded **Bridge Workspace** is shown below.



With the Pier alternative **Pier 1 Hammerhead** selected, click on the **Specification Check** button from the **Analysis** group of the **SUBSTRUCTURE DESIGN** ribbon to run a specification check analysis for this pier alternative as shown below.



After the specification check is initialized, the bridge validation window will be displayed. Once the bridge validation is completed, click on the **Continue spec check** button to perform a specification check analysis. After the **Continue spec check** button is clicked the **Substructure analysis progress** window will be populated as shown below.



After the substructure specification check is completed, click on the **OK** button to close the window. Then click on the **Tabular Results** button from the **Results** group of the **SUBSTRUCTURE DESIGN** ribbon as shown below.



The following window appears. Click on the **New** button to open up a new report definition as shown below.

| Report | | | | | | | | | |
|--------|--------------|-----------|---------------|---------|----------|--------------------|---------|----------|---|
| N | ew | Open | Save | Save as | | | | Generate |] |
| Nodel | Loads | Reactions | Displacements | Forces | Envelope | Spec check results | Options | | |
| | Nodes | | | | | | | | |
| = | Beams | | | | | | | | |
| | Section prop | perties | | | | | | | |
| \sim | Materials | | | | | | | | |
| \sim | Supports | | | | | | | | |
| \sim | Member rel | eases | | | | | | | |
| | Load cases | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Selec | t all | Clear all | | | | | | | |
| | | | | | | | | Close | _ |

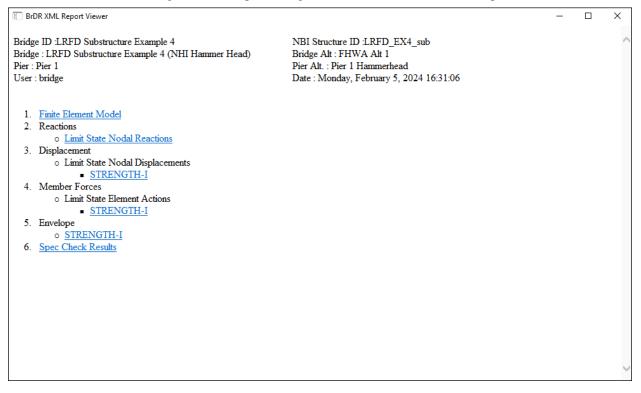
Navigate to the **Loads** tab. Select **Strength-I limit state** and click on the **Generate** button to generate the report.

| 🕰 Tabu | ular Results - New Tabular Rep | ort | | | | – 🗆 X |
|---|--|--|-----------------|---------------------------------------|------------------------|----------|
| Rep | ort | | | | | |
| | New Open | Save | Save as | | | Generate |
| Mod | | Displacements | Forces Envelope | Spec check results | Options | |
| | C Limit states | | | | | |
| | Load cases | STRENGTH-I | | | | |
| | Load combinations | J | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | Select all Cle | ar all | | | |
| | | | | | | |
| | | | | | | Chara |
| | | | | | | Close |
| _ | R XML Report Viewer | | | | | – 🗆 X |
| | | | | | | |
| Bridge Pier : F User : I | | ample 4 (NHI Ha | | Bridge Alt : FH Pier Alt. : Pier 1 | | ^ |
| Bridge Pier : F User : 1 | : : LRFD Substructure Ex. Pier 1 bridge ITO LRFD Specification, | ample 4 (NHI Ha | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : 1 AASH NO | :: LRFD Substructure Ex. Pier 1 bridge ITO LRFD Specification, de | ample 4 (NHI Ha | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : 1 AASH NO | : : LRFD Substructure Ex. Pier 1 bridge ITO LRFD Specification, | ample 4 (NHI Ha Edition 5, Interim Node Type | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I <u>AASH</u> Node | :: LRFD Substructure Ex. Pier 1 bridge ITO LRFD Specification, de X (ft) Y (ft) Z (ft) | ample 4 (NHI Ha Edition 5, Interim Node Type Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I AASH Node | :: LRFD Substructure Ex. Pier 1 bridge ITO LRFD Specification, de : X (ft) Y (ft) 0.000 30.500 0.000 24.000 0.000 30.500 0.000 30.500 | Mode Type Generated Generated Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : 1 AASH Node 1 2 3 4 | LRFD Substructure Exa Pier 1 bridge TTO LRFD Specification, Cle X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 30.500 -9.750 0.000 24.000 -9.750 | Mode Type Generated Generated Generated Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : 1 AASH Node 1 2 3 4 5 | ELRFD Substructure Ex. Pier 1 bridge ITO LRFD Specification, de X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 30.500 -9.750 0.000 24.000 -9.750 0.000 30.500 0.000 | Mode Type Generated Generated Generated Generated Generated Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : 1 AASH Node 1 2 3 4 5 6 | ELRFD Substructure Ex. Pier 1 bridge ITO LRFD Specification, Cle X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 30.500 -9.750 0.000 24.000 -9.750 0.000 30.500 0.000 0.000 24.000 0.000 | Mode Type Generated Generated Generated Generated Generated Generated Generated Generated Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : 1 AASH Node 1 2 3 4 5 | ELRFD Substructure Ex. Pier 1 bridge ITO LRFD Specification, de X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 30.500 -9.750 0.000 24.000 -9.750 0.000 30.500 0.000 | Mode Type Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I Node 1 2 3 4 5 6 7 | :: LRFD Substructure Exampler 1 bridge ITO LRFD Specification, de : X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -9.750 0.000 30.500 -9.750 0.000 30.500 0.000 0.000 30.500 0.000 0.000 30.500 9.750 0.000 30.500 9.750 | Mode Type Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I Node 1 2 3 4 5 6 7 8 | ELRFD Substructure Ex. Pier 1 bridge ITO LRFD Specification, de X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 30.500 -9.750 0.000 24.000 -9.750 0.000 30.500 0.000 0.000 30.500 9.750 0.000 30.500 9.750 0.000 24.000 9.750 | Mode Type Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I Node 1 2 3 4 5 6 7 8 9 10 | ELRFD Substructure Exa Pier 1 bridge ITO LRFD Specification, Clear | Mode Type Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I Node 1 2 3 4 5 6 7 8 9 10 11 12 | ELRFD Substructure Exa Pier 1 bridge ITO LRFD Specification, Clear | Mode Type Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I Node 1 2 3 4 5 6 7 8 9 10 11 12 13 | ELRFD Substructure Exa Pier 1 bridge ITO LRFD Specification, de X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 30.500 0.000 0.000 24.000 9.750 0.000 9.750 0.00 | Mode Type Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I Node 1 2 3 4 5 6 7 8 9 10 11 12 13 14 | ELRFD Substructure Exa Pier 1 bridge ITO LRFD Specification, Cle X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 30.500 9.750 0.000 24.000 9.750 0.000 9.750 | Mode Type Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I Node 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | ELRFD Substructure Exa Pier 1 bridge ITO LRFD Specification, Cle X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 24.000 9.750 0.000 24.000 -2.318 0.000 24.000 -7.750 0.000 24.000 7.750 | mple 4 (NHI Ha Edition 5, Interim Node Type Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I Node 1 2 3 4 5 6 7 8 9 10 11 12 13 14 | ELRFD Substructure Exa Pier 1 bridge ITO LRFD Specification, Cle X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 30.500 9.750 0.000 24.000 -2.318 0.000 24.000 -2.0281 0.000 24.000 -7.750 0.000 24.000 7.750 0.000 24.000 20.281 | Mode Type Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I Node 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 | ELRFD Substructure Exa Pier 1 bridge ITO LRFD Specification, Cle X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 24.000 9.750 0.000 24.000 -2.318 0.000 24.000 -7.750 0.000 24.000 7.750 | mple 4 (NHI Ha Edition 5, Interim Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I Node 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 | ELRFD Substructure Exa Pier 1 bridge ITO LRFD Specification, Cle X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 24.000 9.750 0.000 24.000 -2.318 0.000 24.000 -7.750 0.000 24.000 7.750 0.000 24.000 7.750 0.000 24.000 20.281 0.000 24.000 20.518 | Mode Type Edition 5, Interim Node Type Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |
| Bridge Pier : F User : I Node 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 | ELRFD Substructure Exa Pier 1 bridge TO LRFD Specification, Cle X (ft) Y (ft) Z (ft) 0.000 30.500 -19.500 0.000 24.000 -19.500 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 24.000 -9.750 0.000 24.000 9.750 0.000 24.000 -2.318 0.000 24.000 -7.750 0.000 24.000 7.750 0.000 24.000 20.281 0.000 24.000 20.518 0.000 24.000 20.518 0.000 24.000 20.518 0.000 24.000 23.250 | mple 4 (NHI Ha Edition 5, Interim Generated | | Bridge Alt : FH Pier Alt. : Pier 1 | WA Alt 1 Hammerhead | ^ |

The linked table of contents report is generated by checking the **Generate linked table of contents** check box on **Options** tab as shown below.

| Report | | | | | _ |
|--|-----------------------------|--------------|---|---------|---|
| New Open Save Save as | | | G | enerate | |
| Model Loads Reactions Displacements Forces Envelope Spec ch | eck results Options | | | | |
| General | Units | | | | |
| Report heading | Units: US Customary | ~ | | | |
| User name 🗹 Timestamp | Input | | | | |
| Description: | Length: | ft v | | | |
| | Section properties: | | | | |
| | Strength: | ksi v | | | |
| | Spring constant: | ft-kip/Deg 🗸 | | | |
| | Loads/results Force: kip | ~ | | | |
| | Moments: kip | -ft v | | | |
| | Displacement: in | ~ | | | |
| | Rotation: Rad | dians 🗸 | | | |
| Generate linked table of contents Note: Do not select this option if the generated xml file is for creating Crystal Reports Report (RPT) file. | | | | | |
| | | | | | |

Click the Generate button to generate the report. The generated linked table of contents report is as shown below.



Click on the Finite Element Model link to view the Finite Element Model report as shown below. Similarly, all

other reports can be viewed by clicking on the corresponding links, which would open reports on new tabs.

BrDR XML Report Viewer _ \times Bridge ID :LRFD Substructure Example 4 NBI Structure ID :LRFD_EX4_sub Bridge : LRFD Substructure Example 4 (NHI Hammer Head) Bridge Alt : FHWA Alt 1 Pier : Pier 1 Pier Alt. : Pier 1 Hammerhead User : bridge Date : Monday, February 5, 2024 14:08:47 Node Node X (ft) Y(ft) Z (ft) Node Type 0.000 30.500 -19.500 Generated 1 2 0.000 24.000 -19.500 Generated 3 0.000 30.500 -9.750 Generated 4 0.000 24.000 -9.750 Generated 5 0.000 30.500 0.000 Generated 6 0.000 24.000 0.000 Generated 7 0.000 30.500 9.750 Generated 8 0.000 24.000 9.750 Generated 9 0.000 30.500 19.500 Generated 10 0.000 24.000 19.500 Generated 11 0.000 24.000 -23.250 Generated 12 0.000 24.000 -20.518 Generated 13 0.000 24.000 -20.281 Generated -7.750 14 0.000 24.000 Generated 15 0.000 24.000 7.750 Generated 16 0.000 24.000 20.281 Generated 17 0.000 24.000 20.518 Generated 18 0.000 24.000 23.250 Generated 19 0.000 3.500 0.000 Generated 20 0.000 18.500 0.000 Generated 21 0.000 28.387 -15.274 Non-structural 22 0.000 27.444 -3.637 Non-structural 0.000 27.250 6 500 Non-structural 23

Last Modified: 2/22/2024