

Workspace Updates

OpenBridge Modeler CONNECT Edition 2020

Release 3 (Update 9)

Rev. November19, 2020

Open Bridge Modeler workspace updates

1. The MaterialLibrary.xml has been updated with a new material for the bolts used in field splice creation.
2. Added a new file "ShearConnectorLibrary.xml" that contains a starter library for the shear studs.
3. Added a new file "FieldSpliceLibrary.xml" that contains a starter library for the field splices.
4. Changes made to Bridge_Features_Levels_Elem Temp Imperial(Metric).dgnlib files:
 - a. Added new feature definition for shear studs
 - b. Added new feature definition for field splice
 - c. Updated the feature symbologies with default templates
 - d. The Bridge_decorations feature definition has been updated with decorations for:
 - i. Shear studs
 - ii. Field splice
 - iii. Barrier outline

5. Changes done to _Bridge Default Standards – Imperial(Metric).cfg :

- a. Added 2 new variables to define the template locations for shear studs and field splices

`OBM_FIELDSPLICE_FILE= $(BRIDGE_ORGANIZATION_STANDARDS)OpenBridge Modeler/Bridge
Templates/FieldSpliceLibrary.xml`

`OBM_SHEARCONNECTOR_FILE= $(BRIDGE_ORGANIZATION_STANDARDS)OpenBridge Modeler/Bridge
Templates/ShearConnectorLibrary.xml`

6. Changes done to _Civil Default Standards - Imperial (Metric).cfg :

- a. The file is now using the default values coming from OpenRoads Designer configuration. No further modifications are made on OpenBridge Modeler side.

Changes made to *OpenBridge Modeler.cfg*

1. SPC filters with steel sections specific to different countries standards

One can load multiple country codes (maximum 9) by adding an index (like _1, _2) after the variable name. Different codes for the same country can't be loaded.

For example, if one wants to load the steel sections for EU and BSI, the variables are set as

United Kingdom - BSI

`#OBM_SPC_ORGANIZATION=BSI`

`#OBM_SPC_VERSION=4-1:2005`

`#OBM_SPC_FILTER=(\-UB$\| \-UC$\| \-UBP$)`

`#OBM_SPC_CROSSFRAME_FILTER=(\-UB$\| \-UC$\| \-UBP$\| \-EA$\| \-UA$\| \-PFC$)`

`#OBM_SPC_HPILE_FILTER=(\-UB$\| \-UC$\| \-UBP$)`

Europe

`#OBM_SPC_ORGANIZATION_1=CEN`

#OBM_SPC_VERSION_1=19-57

#OBM_SPC_FILTER_1=(\-HP\$\|-IPE\$\|-HD\$\|-HL\$\|-HE\$\|-IPN\$)

#OBM_SPC_CROSSFRAME_FILTER_1=(\-T\$\|-HP\$\|-IPE\$\|-HD\$\|-HL\$\|-HE\$\|-IPN\$\|-U\$\|-UPN\$\|-UPE\$\|-L\$)

#OBM_SPC_HPILE_FILTER_1=(\-HP\$\|-HD\$\|-HL\$\|-HE\$)

2. An option to specify steel sections for H piles has been added using the variable below

OBM_SPC_HPILE_FILTER=

3. When placing auxiliaries by importing cells from Component Center, the default location where the cells will be downloaded is a path similar to this:

C:\Users\user.name\AppData\Local\Temp\Bentley\OpenBridgeModeler\10.0.0\ComponentsCenterImportedCells\Auxiliaries

This path can be overridden by using the configuration variable below, and pointing it to the desired writable location.

OBM_COMPONENTSCENTER_IMPORTED_AUXCELLS_PATH=[your writable path here]

Prostructures workspace updates

1. The default configuration for Prostructures is in sync with Prostructures Update 5