

Workspace Updates

OpenBridge Modeler CONNECT Edition 2020

Release 2 (Update 8.2)

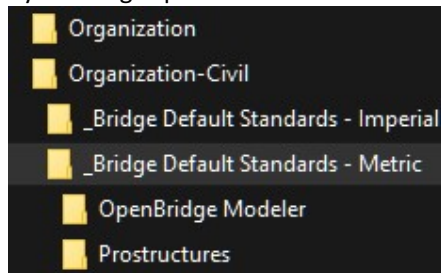
Rev. August 2, 2020

Configuration folder changes

With this release of OBM, a distinct configuration for OpenBridge Modeler, separate from, OpenRoads Designer has been created.

Inside *Organization-Civil* folder, we have created new folders called *_Bridge Default Standards – Imperial* and *_Bridge Default Standards – Metric* in which we have placed OpenBridge Modeler specific data that do not apply to other civil products.

Furthermore, a differentiation between OpenBridge Modeler and ProConcrete specific data has been made, by creating separate folders to host the product specific files.



Inside OpenBridge Modeler folder, 4 new folders have been created, namely *Bridge templates*, *Cell*, *Dgnlib* and *Seed*, in which specific OBM files have been placed.

The Prostructures folder is the same with the one provided in the last version of OBM in the path *C:/ProgramData/Bentley/OpenBridge Modeler CONNECT Edition/Configuration/Organization-Civil/_Civil Default Standards – Metric/Imperial*.

- I. Changes made to *Bridge_Features_Levels_Elem Temp Imperial(Metric).dgnlib* and *Bridge_Text Styles_Dimension Styles Imperial(Metric).dgnlib*
 1. The feature definition *Bridge_decorations* was updated with necessary data for controlling the decorations for segmental bridges :
 - a. Added a new text style *OBM_Dec._Segmental Lines* for the segmental decorations text lines
 - b. Added 2 new element templates, *Segmental_deck_outline* and *Segmental_lines_text*
 - c. Added 2 new feature symbologies, *Segmental_deck_outline* and *Segmental_lines_text*

Configuration Variables changes specific for OpenBridge Modeler

- II. Changes done to *WorkspaceSetup.cfg* found in *C:/ProgramData/Bentley/OpenBridge Modeler CONNECT Edition/Configuration*
 1. Removed obsolete Welcome Screen Examples variables
 2. Added the below variables, so that every time a new workspace/workset is created, new folders specific for OBM templates will be created.

```
%if $(_ENGINE_NAME) == "OpenBridgeModeler"
```

_USTN_WORKSPACESTANDARDSUBDIRS > *Superelevation;Bridge Templates/Functional Components;Bridge Templates/Auxiliaries;Bridge Templates/Bearings*

%if \$_ENGINE_NAME == "OpenBridgeModeler"

_USTN_WORKSETSTANDARDSUBDIRS > *Superelevation;Bridge Templates/Functional Components;Bridge Templates/Auxiliaries;Bridge Templates/Bearings*

3. Changed from

#MS_FKEYMNUSEED = *\$(CIVIL_ORGANIZATION_ROOT)Preference Seeds/function_keys_seed.mnu*

To

%if \$_ENGINE_NAME != "OpenBridgeModeler"

MS_FKEYMNUSEED = *\$(CIVIL_ORGANIZATION_ROOT)Preference Seeds/function_keys_seed.mnu*
%endif

III. Changes made to *_Civil Default Standards – Imperial(Metric).cfg*

1. Variable *_PS_UNITSSYSTEM = \$(UNITS)* has been removed.

It now exists in *C:/ProgramData/Bentley/OpenBridgeModeler/Configuration/Organization-Civil/_Bridge Default Standards – Imperial(Metric)/Prostructures/application.cfg*

2. Variable *_PS_WORKSPACESTANDARDS= \$(CIVIL_ORGANIZATION_STANDARDS)ProStructures/* has been removed.

It now exists in *C:/ProgramData/Bentley/OpenBridgeModeler/Configuration/Organization-Civil/_Bridge Default Standards – Imperial(Metric).cfg* and its value has been changed to

_PS_WORKSPACESTANDARDS = *\$(BRIDGE_ORGANIZATION_STANDARDS)ProStructures/*

3. Below variables have been removed from the document.

MS_SEEDFILES = *\$(CIVIL_ORGANIZATION_STANDARDS)Seed/*

%if \$_USTN_PRODUCT_NAME == "OpenBridge Modeler"

MS_DESIGNSEED = *OBM-seed3d-\$(CIVIL_FILENAME).dgn*

MS_DESIGNMODELSEED = *OBM-seed3d-\$(CIVIL_FILENAME).dgn*

MS_DESIGNMODELSEEDNAME = *Default*

The updated variables, exist now in the files *_Bridge Default Standards – Imperial(Metric).cfg* and they have the following values

MS_SEEDFILES = *\$(BRIDGE_ORGANIZATION_STANDARDS)OpenBridge Modeler/Seed/*

%if \$_USTN_PRODUCT_NAME == "OpenBridge Modeler"

MS_DESIGNSEED = *OBM-seed3d-\$(CIVIL_FILENAME).dgn*

MS_DESIGNMODELSEED = *OBM-seed3d-\$(CIVIL_FILENAME).dgn*

MS_DESIGNMODELSEEDNAME = *Default*

%endif

4. Following variables have been removed from the document.

MS_DGNLIBLIST_LEVELS < *\$(MSDIR)Default/Dgnlib/ProStructures3DModeling.dgnlib*

MS_DGNLIBLIST_LEVELS < *\$(MSDIR)Default/Dgnlib/DrawComp/ProConcreteDrawingSeed.dgnlib*

These variables, now exist in the files *_Bridge Default Standards – Imperial(Metric).cfg*.

5. Removed the OpenBridge Modeler Settings variables (i.e Features, Graphical Filters, Civil Cells, Design Standards, etc.). Their updated values are now stored in the files *_Bridge Default Standards – Imperial(Metric).cfg*.

6. Removed the following variables

%if exists \$(CIVIL_ORGANIZATION_STANDARDS)\Prostructures\application.cfg)

%include \$(CIVIL_ORGANIZATION_STANDARDS)\Prostructures\application.cfg

%endif

The updated variables now exist in the files *_Bridge Default Standards – Imperial(Metric).cfg* and they have the following values

```
%if $(_ENGINE_NAME) == "OpenBridgeModeler"  
  %if exists $(BRIDGE_ORGANIZATION_STANDARDS)\Prostructures\application.cfg  
    %include $(BRIDGE_ORGANIZATION_STANDARDS)\Prostructures\application.cfg  
  %endif  
%endif
```

IV. Changes made to *Imperial (Metric) Standards.cfg*
Added the following variables

BRIDGE_ORGANIZATION_NAME = *_Bridge Default Standards – Imperial (Metric)*

If using OpenBridge Modeler, load Bridge Organization standards in this order:

1. Standard named specified in BRIDGE_ORGANIZATION_NAME

2. Metric example

3. Imperial example

```
%if $(_ENGINE_NAME) == "OpenBridgeModeler"  
  %if exists $(CIVIL_ORGANIZATION_ROOT)$ (BRIDGE_ORGANIZATION_NAME).cfg  
    %include $(CIVIL_ORGANIZATION_ROOT)$ (BRIDGE_ORGANIZATION_NAME).cfg  
  %elif exists $(CIVIL_ORGANIZATION_ROOT)_BRIDGE Default Standards - Metric.cfg  
    BRIDGE_ORGANIZATION_NAME = _BRIDGE Default Standards - Metric  
    %include $(CIVIL_ORGANIZATION_ROOT)$ (BRIDGE_ORGANIZATION_NAME).cfg  
  %elif exists $(CIVIL_ORGANIZATION_ROOT)_BRIDGE Default Standards - Imperial.cfg  
    BRIDGE_ORGANIZATION_NAME = _BRIDGE Default Standards - Imperial  
    %include $(CIVIL_ORGANIZATION_ROOT)$ (BRIDGE_ORGANIZATION_NAME).cfg  
  %endif
```

V. New .cfg created *_Bridge Default Standards – Imperial(Metric).cfg*

1. This .cfg contain all the workspace variables that OBM needs to function properly.
2. New values are added for the variables OBM_AUX_CELLLIST, OBM_BEARING_CELL LIST and OBM_PIER_CELL LIST so that OBM will load .cel files from 3 different locations in the same time i.e. default location from the *_Bridge Standards* folder, workspace standards location and workset standards location.
NOTE: in order to load multiple .cel files from multiple locations, duplicate names for .dgn or models inside the .dgn are not allowed.

VI. Changes made to *OpenBridge Modeler.cfg*

1. Added the steel sections categories for Canada.

2. Starting with OpenBridge Modeler ver. 8.2 a new experimental dgn viewer has been implemented in several dialogs.

By default, OpenBridge Modeler will load the normal dgn viewer, but the user can load the new experimental viewer or no viewer, based on the values below.

#OBM_CELL_VIEWER = NEW # new viewer

#OBM_CELL_VIEWER = NONE # no viewer (no preview of the selected .cel's)