

# Workspace Updates

## OpenRoads/OpenRail/OpenSite Designer

### CONNECT Edition 2020 Release 3

Rev. 10/08/2020

#### Overview

In general, there is no need to update your workspace for this release. The software is designed and intended to work with your existing workspace. If you are working in a mixed environment where some users are upgrading to 2020 Release 3 and others are remaining on a previous release you should not upgrade your workspace. Keep them in the format of the previous release.

You may choose to update your workspace to incorporate new capabilities. Each item in this document, and in the accompanying spreadsheet, include a Yes or No response to the question “*Is this change required or recommended for all workspaces?*”. Those with a Yes response are items we recommend you consider including when you do update your workspace.

Many of the changes that were made to the example workspaces in this release were to better support the full stack of Bentley software (OpenSite, OpenRoads, OpenRail, OpenRail Overhead Line, and OpenBridge) from a single workspace. The goal was to organize workspace definitions by products so those running OpenSite would only see definitions appropriate for OpenSite. OpenRoads users would see all OpenSite and OpenRoads definitions but not rail definitions, etc. This also included moving a few definitions such as our Alignment Feature definitions into Road and Rail sub folders, so it is easier to identify appropriate definitions for different uses. While some multi-discipline organizations *may* benefit from similar organization these are not changes most organizations need to make or consider.

#### Details

The detailed changes made in the .dgnlib files are detailed in the accompanying spreadsheet named Workspace Updates – 2020 Release 3.xlsx. This spreadsheet format allows filtering and sorting changes more easily than the previous PDF file format.

Some general workspace file reorganizations, renaming, and adjustments are listed below. The general items below are not included in the spreadsheet.

1. Moved all the Feature Definitions, Feature Symbologies, Element Templates, and Levels for Site Road and Rail to separate files.

Previous File	New File
<ul style="list-style-type: none"><li>• Features_Annotations_Levels_Elem Temp Imperial.dgnlib</li></ul>	<ul style="list-style-type: none"><li>• Common_Features_Annotations_Levels_Elem Temp Imperial.dgnlib</li><li>• Site Settings Features Annotations Levels Elem Temp Imperial.dgnlib</li></ul>

	<ul style="list-style-type: none"> <li>• Road_Features_Annotations_Levels_Elements Temp Imperial.dgnlib</li> <li>• Rail_Settings_Features_Annotations_Levels_Elements Temp Imperial.dgnlib</li> </ul>
<ul style="list-style-type: none"> <li>• Features_Annotations_Levels_Elements Temp Metric.dgnlib</li> </ul>	<ul style="list-style-type: none"> <li>• Common_Features_Annotations_Levels_Elements Temp Metric.dgnlib</li> <li>• Site Settings Features Annotations Levels Elements Temp Metric.dgnlib</li> <li>• Road_Features_Annotations_Levels_Elements Temp Metric.dgnlib</li> <li>• Rail_Settings_Features_Annotations_Levels_Elements Temp Metric.dgnlib</li> </ul>
<ul style="list-style-type: none"> <li>• Text Favorites_Text Styles_Dimension Styles Imperial.dgnlib</li> </ul>	<ul style="list-style-type: none"> <li>• Common Text Favorites Imperial.dgnlib</li> <li>• Drainage and Utilities Text Favorites Imperial.dgnlib</li> <li>• Site Text Favorites Imperial.dgnlib</li> <li>• Survey Text Favorites Imperial.dgnlib</li> <li>• Common Text Styles Dimension Styles Imperial.dgnlib</li> </ul>
<ul style="list-style-type: none"> <li>• Text Favorites_Text Styles_Dimension Styles Metric.dgnlib</li> </ul>	<ul style="list-style-type: none"> <li>• Common Text Favorites Metric.dgnlib</li> <li>• Drainage and Utilities Text Favorites Metric.dgnlib</li> <li>• Site Text Favorites Metric.dgnlib</li> <li>• Survey Text Favorites Metric.dgnlib</li> <li>• Common Text Styles Dimension Styles Metric.dgnlib</li> </ul>

*Is this change required or recommended for all workspaces? No*

2. Move and rename definitions to better organize them into Road and Rail categories.
  - Moved the Alignment feature definitions to sub-folders named Road and Rail
  - Renamed the Alignment feature folder from *Preliminary Planning* to **Road – Concept Planning**
  - Moved the Corridor feature definitions to sub-folders named Road and Rail
  - Moved Annotation Group definitions to sub-folders named Road and Rail

*Is this change required or recommended for all workspaces? No*

3. Purged old text styles from dgnlibs and cell libraries. This includes the following for both imperial and metric:
  - Terrain Element Templates
  - Aquaplaning Element Template
  - Cell Libraries
  - Annotation Definitions
  - Text Favorites
  - Text Styles list

*Is this change required or recommended for all workspaces? No*

4. The default text multi-line spacing was changed to a reasonable distance in all the delivered seed files.

*Is this change required or recommended for all workspaces? No*

5. Removed the 3D custom linestyle resource folder (..\CivilDesign\Organization-Civil\Civil Default Standards - Imperial\Dgnlib\Line Styles\) that included the .rsc files along with their corresponding DGN creation drawings. These files are now available on Bentley Communities at: [https://communities.bentley.com/products/road\\_site\\_design/m/road\\_and\\_site\\_design\\_gallery/274424](https://communities.bentley.com/products/road_site_design/m/road_and_site_design_gallery/274424)

*Is this change required or recommended for all workspaces? No*

6. The imperial pavement marking RSC file and dgnlib were adjusted to correct an issue with the symbology not being correct for some of the skip dashes. The following files were changed:
  - Bentley Civil Imperial 3D Pavement Marking.rsc
  - Line Styles 3D Modeling.dgnlib.

*Is this change required or recommended for all workspaces? Yes*

7. The template libraries have been broken out into 3 separate libraries. The respective categories are for Site, Road, and Rail. Each Library adds additional templates where Rail contains all templates. This was done to better consolidate the three products. The following files were changed:
  - OpenRoads Templates Imperial.itl
  - OpenRail Templates Imperial.itl
  - OpenSite Templates Imperial.itl
  - OpenSite Templates Metric.itl
  - OpenRail Templates Metric.itl
  - OpenRoads Templates Metric.itl

*Is this change required or recommended for all workspaces? No*

8. The viewset.mvba was adjusted to not toggle on level name overrides in certain situations. Additionally, a crash being caused by this MVBA has been corrected. The following file was changed:
  - ViewSet.mvba

*Is this change required or recommended for all workspaces? Yes*

9. The migration tools are no longer delivered with the workspace. They are now on a dedicated Bentley Communities wiki site at: [https://communities.bentley.com/products/road\\_site\\_design/w/road\\_and\\_site\\_design\\_wiki/41342/migration-utilities](https://communities.bentley.com/products/road_site_design/w/road_and_site_design_wiki/41342/migration-utilities)
  - The features import / export utility has been enhanced as follows:
    - Drainage and Utilities feature definitions are now supported

- Site features are now supported
- A new hide columns csv file has been added to hide some of the columns in the Excel Spreadsheet that the users should not be editing. This is primarily for the Nodes, Links, and Catchments for Drainage and Utility Features. Not everything with Drainage and Utilities can be edited by this process. For example, prototypes use an identifier called a GUID which the user would not be able to put in on their own as this is done programmatically.
- All the migration utilities that utilize a predefined schema have been upgraded to the 10.09.00.xx OpenSite/Road/Rail schema.
- The scale models utility now has a separate install file if you get a message about the DLL not being “trusted”.

*Is this change required or recommended for all workspaces? No*

10. Added cell library with rail vehicle cabs.

*Is this change required or recommended for all workspaces? No*

11. Improved civil workspace to support easy integration of OpenBridge workspace.

- Reorganized standards delivered with OpenBridge software. These standards are in the Organization-Civil folder but are freestanding from the civil standards. The Bridge standards have their own configuration files and folder structures so they can easily be added to existing civil standards.
- WorkspaceSetup.cfg file changes
  - Added logic to work across all civil products including OpenSite, OpenRoads, OpenRail, and OpenBridge.
  - Added logic to create appropriate folder structures in new WorkSpaces and new WorkSets specific to the application being used, including OpenBridge.
- Imperial Standards.cfg and Metric Standards.cfg file changes
  - Added logic to define Bridge standards which are then called from the Organization-Civil folder.

*Is this change required or recommended for all workspaces? Yes*