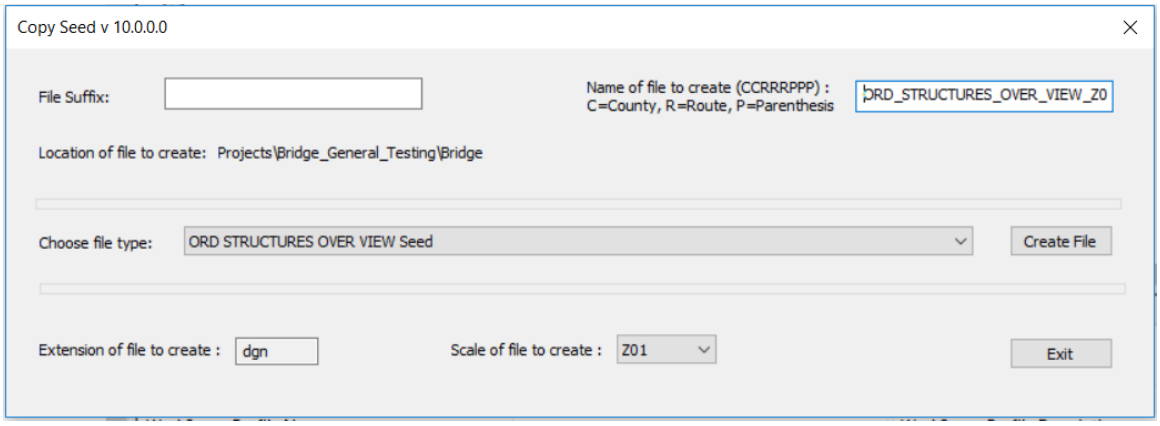
CONNECT Seed Files and Naming Convention

For CONNECT projects there are several seed files for use with OpenBridge Modeler, OpenRoad Designer, and ProStructures.

The OpenBridge Modeler and OpenRoad Designer seed files for structure projects are located in the CONNECT managed workspace at: pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\IowaDOTStandardsConnect\Configuration \Organization-Civil\IowaDOT_Standards\Seed\

The Copy Seed utility can be used to create the files for OpenBridge Modeler and OpenRoad Designer. The CONNECT CopySeed program is located at: pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Consultant Data\ProjectWise Custom Tools\CopySeed\ Design consultants will need to install with the provided CopySeedSetup.msi file.

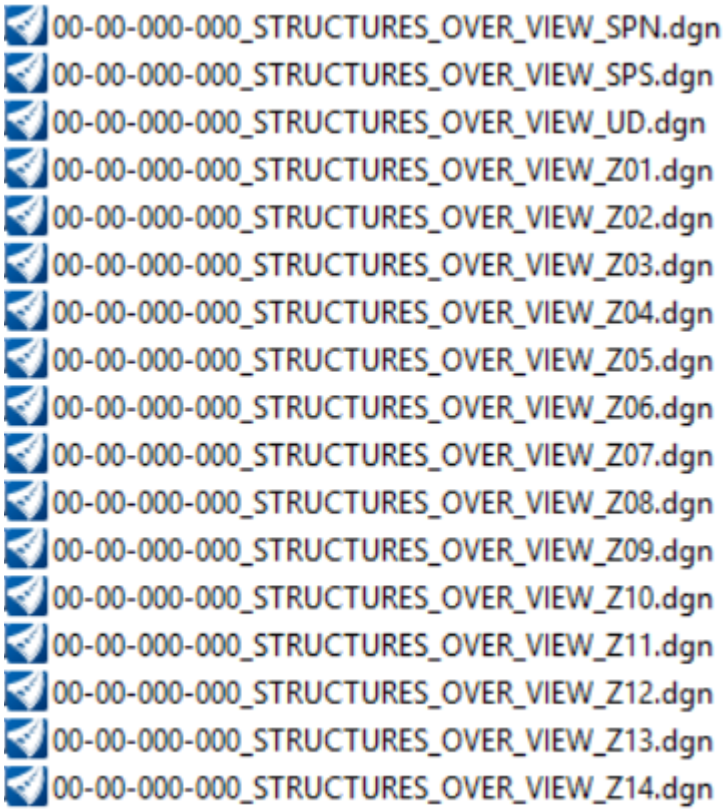
Choose type of file, select the correct zone in Scale of file to create field and complete the name of the file based on information included in this document.



The seed files are listed below organized by application and type of project.

OpenRoad Designer structures overview seed files are used to provide the overview of all structures in the project. No live elements should be contained in these files. All relevant files for the structure models will be referenced to this file.

The options provided are for each possible IaRCS survey zone. The correct seed file must be used to appropriately view all structures in the correct locations.



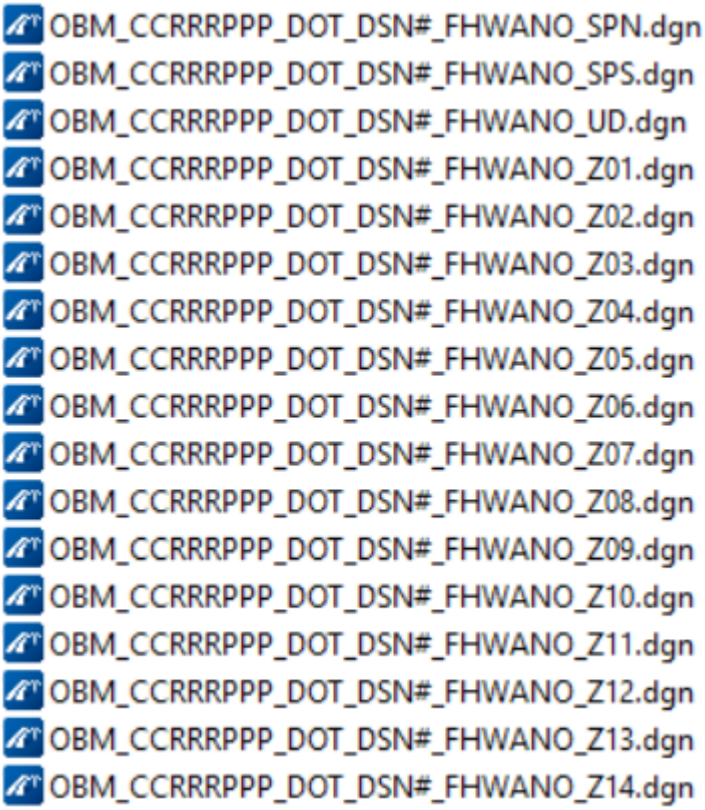
The naming convention is described below.

- 00-00-000-000 used to identify the PIN number for the project

i.e. 92-06-030-030_STRUCTURES_OVER_VIEW_SPN.dgn

OpenBridge Modeler 3D seed files are used to develop the individual bridge model.

The options provided are for each possible IaRCS survey zone. The correct seed file must be used to appropriately place the bridge on the alignment in the model.



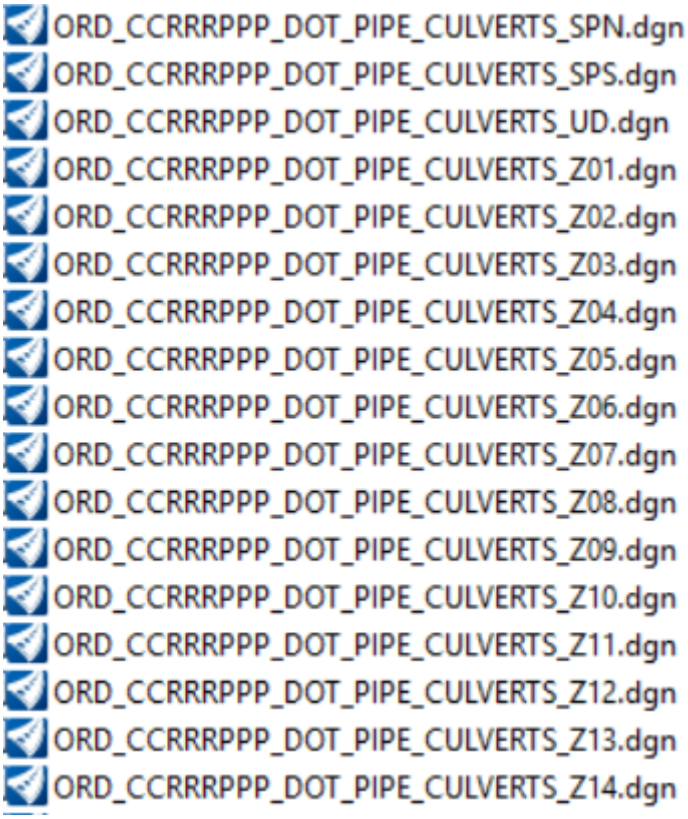
The naming convention is described below.

- OBM signifies an OpenBridge Modeler file
- CCRRRPPP used to identify county, route and paren number of the specific project
- DOT or consultant firm designation
- DSN# used to list the specific design number of the model
- FHWANO used to list the specific FHWA number of the bridge modeled

i.e. OBM_06030209_DOT_216_700495_SPN.dgn

OpenRoad Designer pipe culverts seed files are used to develop the layout and modeling of pipe culvert structures.

The options provided are for each possible IaRCS survey zone. The correct seed file must be used to appropriately place the pipe culverts along the alignment.



The naming convention is described below.

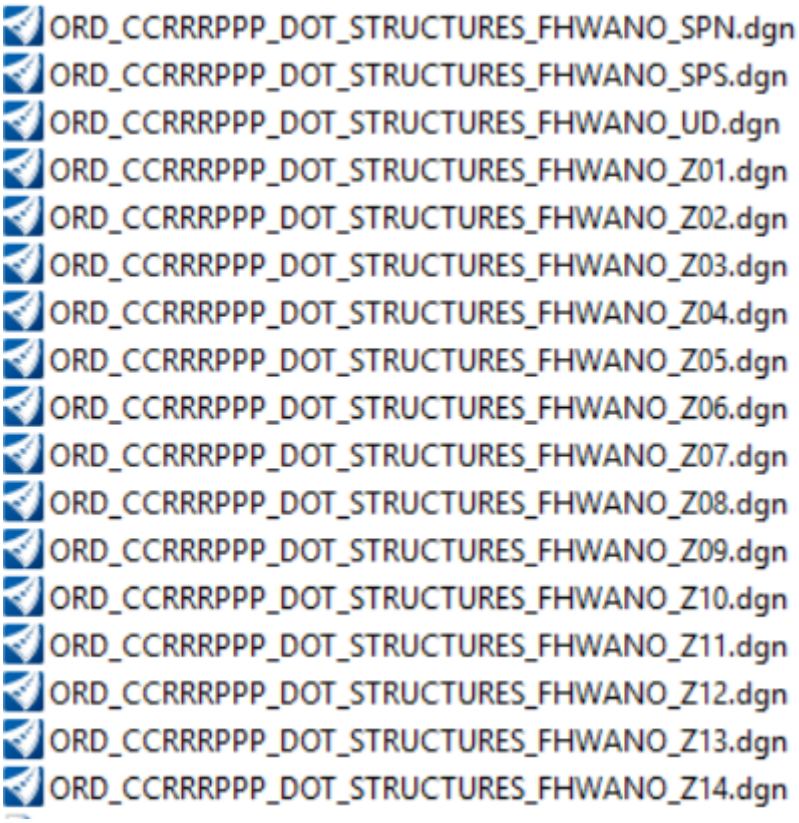
- ORD signifies an OpenRoad Designer file
- CCRRRPPP used to identify county, route and paren number of the specific project
- DOT or consultant firm designation

i.e. ORD_06030181_DOT_PIPE_CULVERTS_SPN.dgn

These files contain the models needed to develop the layout and modeling of pipe culvert structures. Refer to CONNECT Models and Naming Convention for additional information.

OpenRoad Designer structures seed files are used to develop the layout and modeling of box culverts and other structures.

The options provided are for each possible IaRCS survey zone. The correct seed file must be used to appropriately place the culverts along the alignment.



The naming convention is described below.

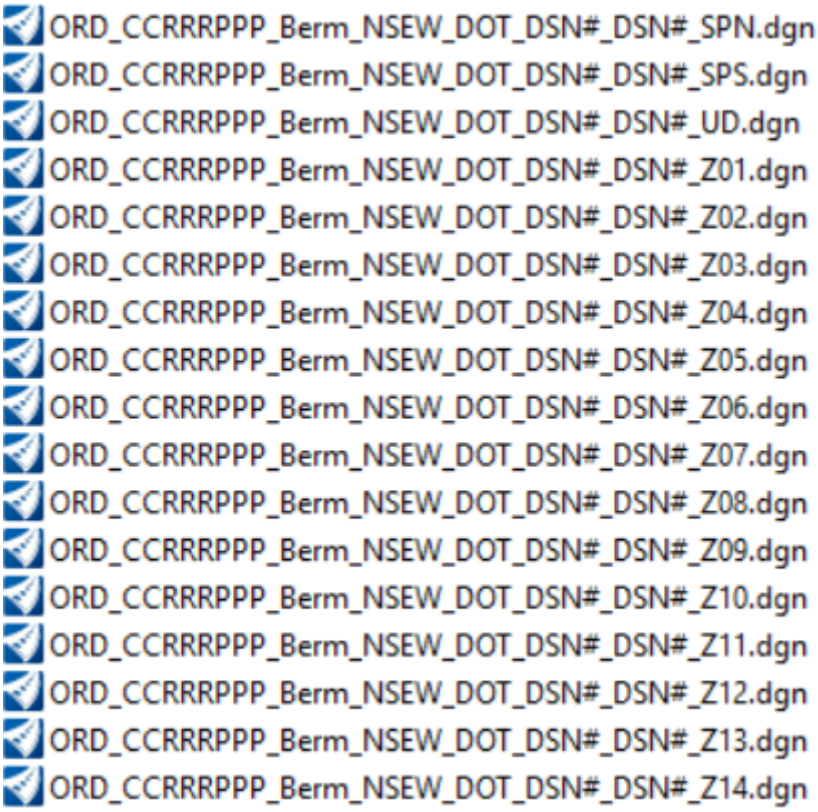
- ORD signifies an OpenRoad Designer file
- CCRRRPPP used to identify county, route and paren number of the specific project
- DOT or consultant firm designation
- FHWANO used to list the specific FHWA number of a bridge size box culvert
  If the structure is not a bridge size culvert, do not include this portion of the naming convention

i.e. ORD_06030205_DOT_STRUCTURES_SPN.dgn

These files contain the models needed to develop the layout and modeling of box culverts and other related structures. Refer to CONNECT Models and Naming Convention for additional information.

OpenRoad Designer berm and revetment seed files are used to develop the layout of the berm and revetment for structures.

The options provided are for each possible IaRCS survey zone. The correct seed file must be used to appropriately place the berm and revetment at the location of the structure.



The naming convention is described below.

- ORD signifies an OpenRoad Designer file
- CCRRRPPP used to identify county, route and paren number of the specific project
- NSEW used to indicate directional location of berms
- DOT or consultant firm designation
- DSN# used to list the specific design number(s) of the related bridge design(s)

i.e. ORD_06030208_Berm_EW_DOT_216_218_SPN.dgn

The ProStructures seed file, Imperial3d.dgn, is used to develop rebar layout and complete structural details. The seed file is located in the CONNECT managed workspace at:
pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\IowaDOTStandardsConnect\Configuration\Organization-Civil\IowaDOT_Standards\ProStructures\Seed\Imperial3d.dgn

The Copy Seed utility can be used to create the files for ProStructures. Choose type of file of Bridge Plan Production Seed.

The naming convention is described below.

- PS signifies a ProStructures file
- CCRRRPPP used to identify county, route and paren number of the specific project
- DSN# used to list the specific design number of the structure details
- FHWANO used to list the specific FHWA number of the bridge details
- IaRCS survey zone

i.e. PS_06030209_216_700495_SPN.dgn