Bentley CAD Software Upgrade from Update 13 to Update 16

Current Platform Version

ODOT's current version of CAD software will change on April 13, 2022. The software upgrades provide new and enhanced functionality.

Software	ODOT Current Version
MicroStation CONNECT Edition Readme (bentley.com)	10.16.02.34
OpenRoads Designer Readme (bentley.com)	10.10.21.04
Bentley View CONNECT Edition Help	10.16.02.22
CONNECTION Client (licensing)	11.00.04.15

The version numbers can be confusing, but all computers at ODOT are being upgraded around the same time and that upgrade for DGN editing software looks like this:

Software	Old Version	New Version
MicroStation CONNECT	10.13	10.16
OpenRoads Designer	10.08	10.10
Bentley View CONNECT	10.13	10.16

Logging into the Upgraded CONNECTION Client

You will be required to manually enter your Bentley email into the upgraded CONNECTION Client application the first time, followed by your Bentley password. The application has an "Email" field and most engineering users of CAD software are still using the older @odot.state.or.us domain in their Bentley credentials. Please refer to Logging into the CONNECTION Client.

New Preferences for All

The user preferences are specific to the versions. When you launch the upgraded MicroStation CONNECT or OpenRoads Designer, your preferences will be reset to the ODOT defaults for those new versions. Please customize your experience as you wish.

For People Who Use MicroStation CONNECT and Bentley View CONNECT

People who use MicroStation or Bentley View will notice some changes to the interface, such as new icons or buttons. New functionality will be configured over the next several months and you may stay informed by reading V10 WorkSpace Update emails, PDFs, or by attending webinars offered by EAST.

For People Who Use OpenRoads Designer

People who use OpenRoads Designer will notice some changes to the interface, such as new icons or buttons; there may also be Technology Preview information in the message center.

The most important thing for ORD users to be aware of is the change to the civil schema stored in the DGN file with this upgrade. This affects DGNs that are edited using OpenRoads Designer.

When you use ORD 10.10 and edit a DGN file that was created with ODOT's previous versions of MicroStation or ORD, you will be prompted to upgrade the civil schema in the file or open the file read-only. If you are the creator of the DGN file - it is recommended that you upgrade the civil schema. If you are prompted to upgrade a file that was created by someone else, courtesy and ProjectWise usage guidelines dictate that you choose to open another's file read-only.

When DGN files are opened and **edited** using OpenRoads Designer v10.10, new civil schema is written to the DGN file so that it may be edited by new functionality.

DGN files with upgraded civil schema can be edited, opened read-only, or attached as references using any version of MicroStation.

Upgraded DGNs may be opened read-only or attached as references using any version of OpenRoads Designer. DGN files with upgraded civil schema may only be edited with OpenRoads Designer CONNECT Edition 10.10+.
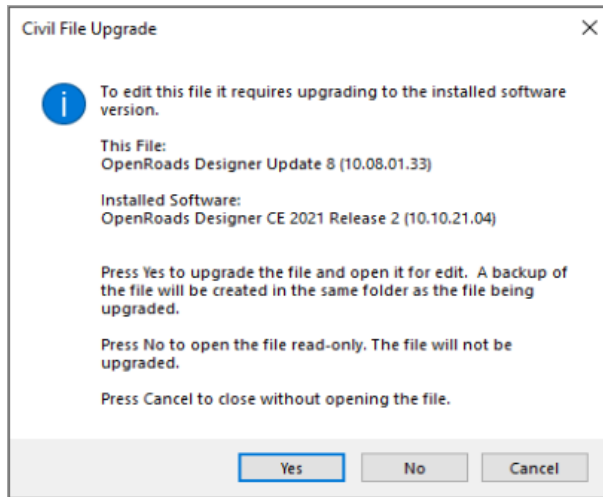
Table of Open/Reference Options for a DGN with v10.10 civil schema (upgraded)

Software	Open upgraded DGN to Edit	Open Read-Only	Attach as Reference
MicroStation V8i	Yes	Yes	Yes
MicroStation CONNECT	Yes	Yes	Yes
OpenRoads Designer v10.10	Yes	Yes	Yes
OpenRoads Designer v10.08	No	Yes	Yes

*Remember that ORD (any version) can access civil data from a reference attachment.

More Information

Software
MicroStation CONNECT Edition Readme (bentley.com)
OpenRoads Designer Readme (bentley.com)
Bentley View CONNECT Edition Help