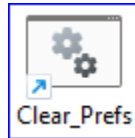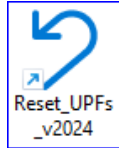# ODOT CAD Preferences

This document will describe the ODOT CAD preferences for different products so users can visually verify their preferences. ODOT provides internal users with two methods for resolving issues with corrupted preferences: reset and clear. Please follow the links to the instructions for use.

When you launch a Bentley CAD product, the software uses a group of files known as preferences to store information about the WorkSpace, the interface and the tools that are specific to one person. The group of files is stored in the Windows profile for the software and user who is logged on, in the Local\AppData folder. Because of the storage location in the Windows profile, the preferences are not considered to be data. ODOT does create a backup of the CAD preferences for an Engineering Applications Support Analyst to use in troubleshooting issues and to potentially restore some customizations if the preferences become corrupted or are cleared.

CAD preferences are created from seed preferences identified by the selected WorkSpace when the product is launched and detects no user-specific preferences. If user-specific preferences exist, those preferences will be used. This behavior means:

- CAD Preferences are only created from seed when they do not exist for a user, and the user is launching the software.

- If No WorkSpace is selected – Bentley DEFAULT preferences will be used as the seed.

- The only way to change seed preferences is to remove the user-specific preferences, then launch the software and select a WorkSpace.

Reasons to Clear Preferences

CAD preferences record the history of files that you open, along with settings about which tools are open. The user preferences are open and constantly being written to when you have a DGN file open. This means that the potential for preference corruption is high – even more so when using an OpenX product. It is reasonable to consider that your preferences are corrupted if you experience any of the following symptoms:

- Dialog boxes do not appear after executing a command – Tool Settings dialog vanishes or cannot be found, References dialog will not open on the screen

- The software does not function as expected – settings are not saved, command does not run

- The software aborts or crashes

How to Reset the UPF Only - Reset_UPFs_v####

The easiest to use and least invasive tool is a shortcut that will ensure that you are using the latest ODOT **U**ser **P**reference **F**ile (UPF) for every Bentley CADD product installed. No other XML preference files are affected. The user's custom workflows (DNGLIB) are also not affected.

1. Exit the CAD application.

2. Run the "Reset_UPFs_v####" shortcut from the desktop Engineering folder.

When you launch your software, ODOT's seed UPF will be copied to your profile and used. When you open toolboxes or groups that you use regularly – they will appear where you left them last.

### How to Clear All CAD Preferences - Clear_Prefs

This tool affects all preference files (UPF and XML) for all CADD software installed, for the currently logged on user.

1. Exit the CAD application and ensure that ProjectWise Explorer is not open.

2. Clear the preferences

   a. **ODOT** - Run the "Clear_Prefs" shortcut from the desktop Engineering folder.

   b. **External Partners** – Use File Explorer to navigate to %LocalAppData% and %Temp%. In each location, open the Bentley folder and delete the CAD product sub-folder, i.e. %LocalAppData%\Bentley\OpenRoadsDesigner and %Temp%\Bentley\OpenRoadsDesigner.

When you launch your software, ODOT's seed preferences will be copied to your profile and used. When you open toolboxes or groups that you use regularly – they will appear in ODOT default locations, and you can move them. Previous user customized ribbon workflows can be harvested with Assistance.

## Creating Preferences from the ODOT Preference Seeds

1. Immediately after the software is installed or preferences have been correctly cleared, double-click on the software desktop shortcut. If the ProjectWise Login dialog appears, [Cancel] – it is not necessary to open any files or access ProjectWise data.

2. On the product Work Page, select "Custom Configuration", then select "Oregon DOT" from the WorkSpace picklist and "ODOT" from the WorkSet picklist.
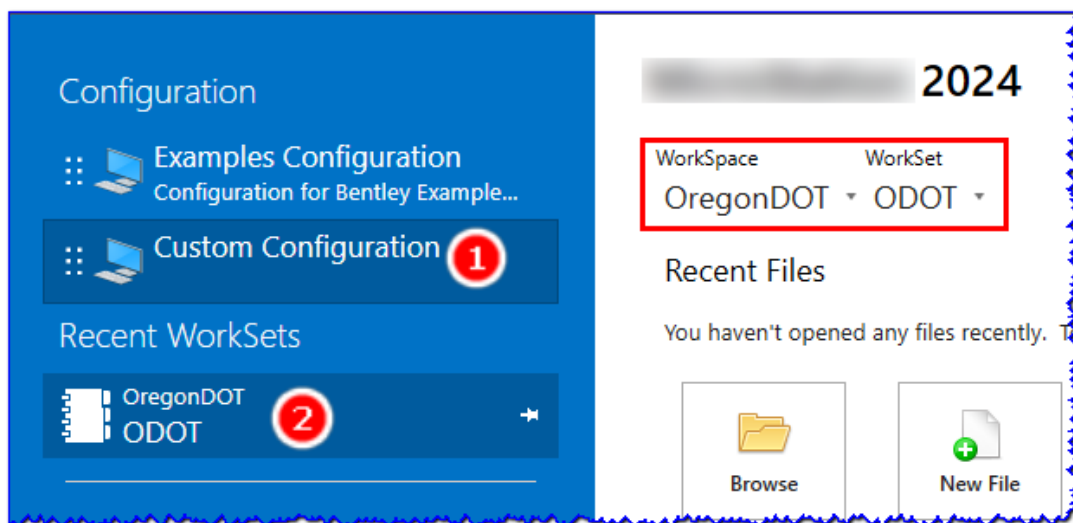
That's it – that's all it takes to create new preferences from the ODOT Preference Seeds.

MicroStation Application Interface Preferences

The **ODOT MS Preferences** cause MicroStation to initially open on the primary monitor. The Explorer dialog is open and docked at left. AccuDraw is open and docked at the bottom. The Annotation Scale dialog is open and docked at bottom. The Quick Access toolbar at the top left shows Element Selection (black arrow) and Update Server Copy (green arrow). The Properties dialog is not open but opens docked at right when you open it. When you open the References dialog, the hierarchy will be open, and the Priorities column (2D model only) will be displayed.
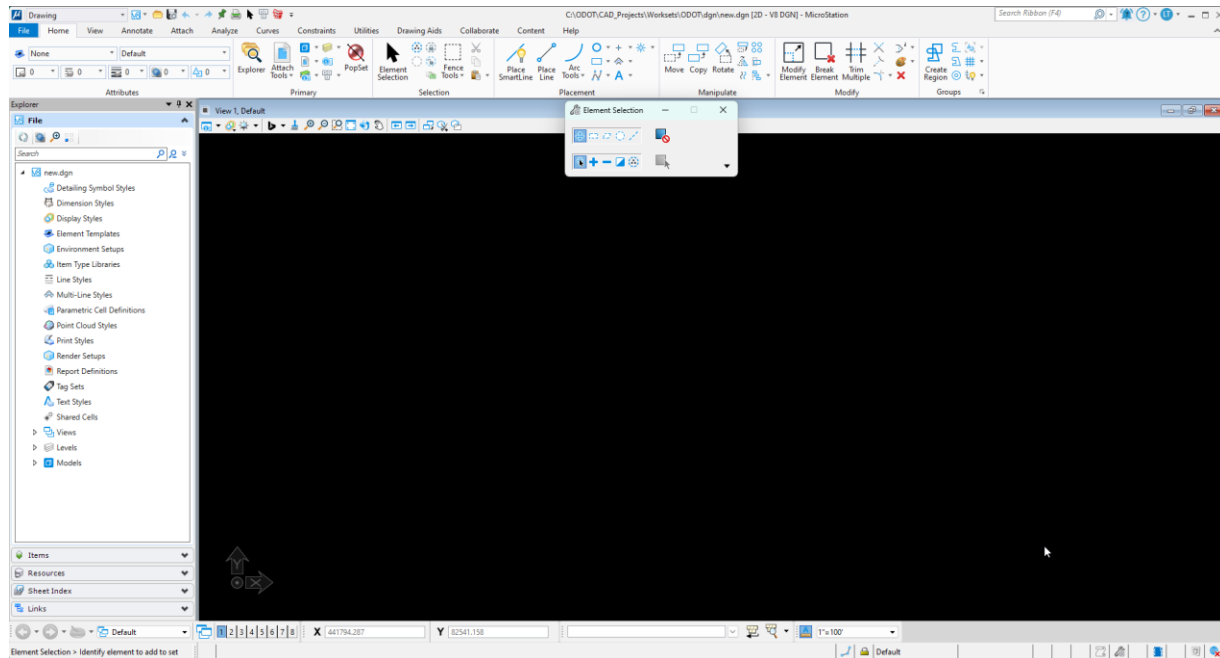

File>Settings>User>Preferences…

The only change that ODOT has made to the *Operation* category is to toggle on "Save Settings on Exit". If you wish to open multiple application windows, the Operation category is where you will find that control. Modifications to the number of application windows requires the application to be exited and restarted to take effect. When making changes to the location and size of application windows, do not use the Maximize button – simply size the window, then its location/size will be remembered by your operating system after you exit MicroStation.
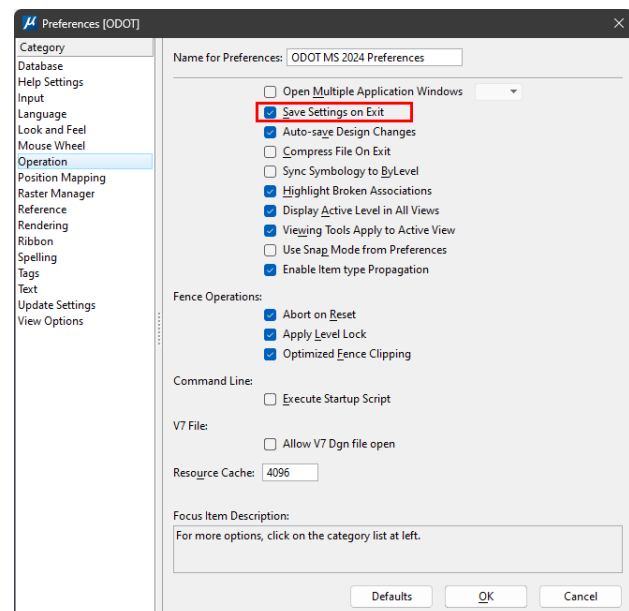
In the *Text* category, ODOT has toggled on "Use Text Style Background Color for Field Background" so that alignment stationing and labels mask any referenced in line work.

The picture on the left below shows what you can see after getting new preferences with "Use Text Style Background Color for Field Background" toggled on and the View Attributes for "Text Field Background" also toggled on – the text style background mask is applied to both regular

text and text fields, and because it is enabled in the View Attributes, it masks the line work in the PDF print (right).
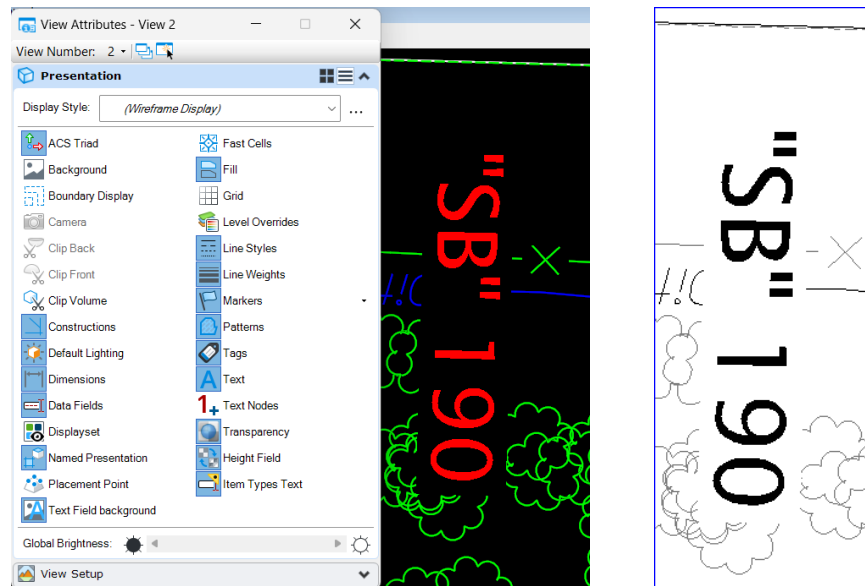
In the **View Options** category, ODOT has made two changes to the color overrides provided by Bentley. You may set the colors to your personal preference.

The color override for "Element Hilite" has been enabled and set to Standard:Cyan (co=7), so that when the mouse hovers over an element, the element highlights a cyan blue.

The color override for "Sheet Background" is not enabled (the default is white), but the override color has been set to Standard:Cadet Blue to provide a quick method of viewing sheet models with element colors that are identical to the design model, but with a background that is not so bright.
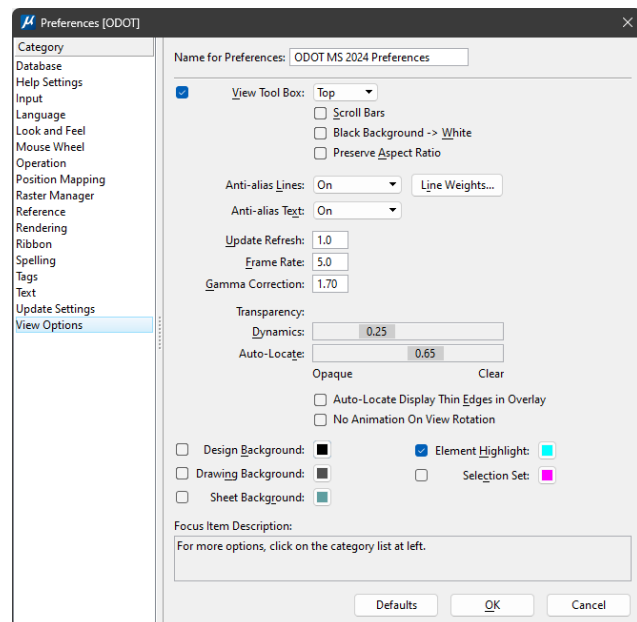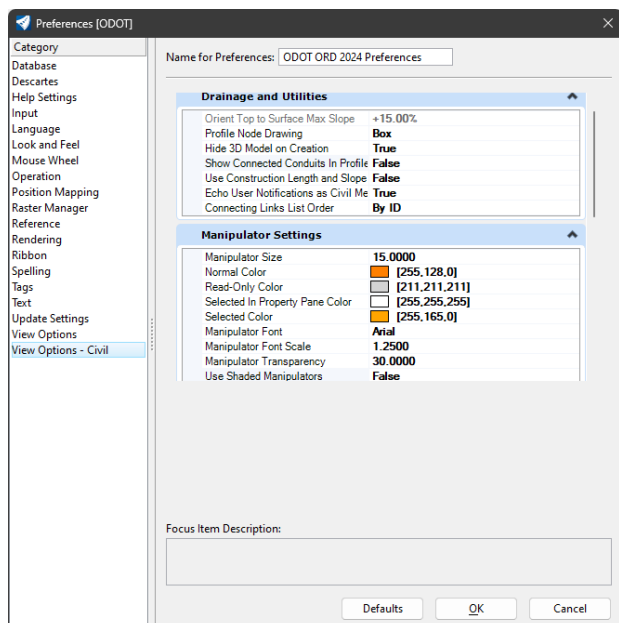
OpenRoads and OpenSite Designer Preferences

The **ODOT ORD/OSD Preferences** cause the products to initially open on the primary monitor. The Properties dialog is open and docked at the far left. The Explorer dialog is open and docked to the right of Properties at left. The Level Display dialog is open and docked on top of the Explorer dialog so that the group shows two tabs at the bottom. AccuDraw is NOT open; Civil AccuDraw is open and docked at bottom with the Annotation Scale dialog. The Feature Definition Toggle Bar is open and docked at bottom right. The Models dialog and the References dialog are both open, docked in a group at the bottom and unpinned to show the two tabs at the bottom left. When you pop up the References dialog, the hierarchy will be open, and the Priorities column (2D model only) will be displayed. The Quick Access toolbar at the top left shows Element Selection (black arrow) and Update Server Copy (green arrow).
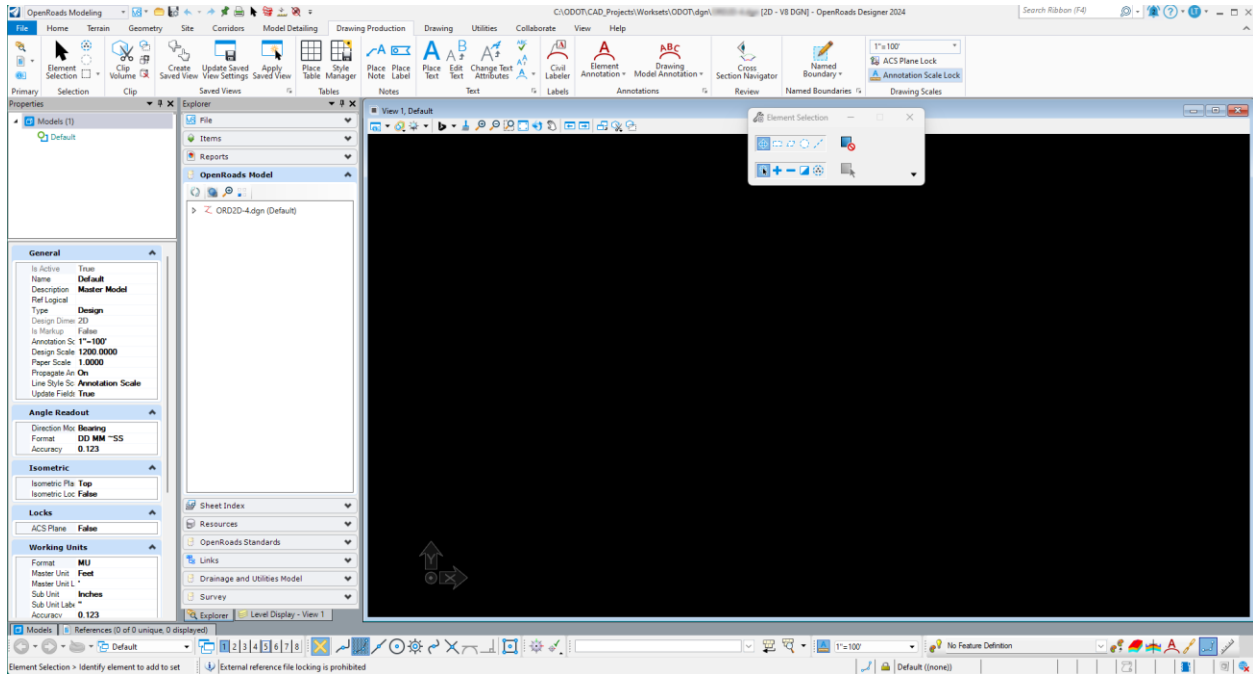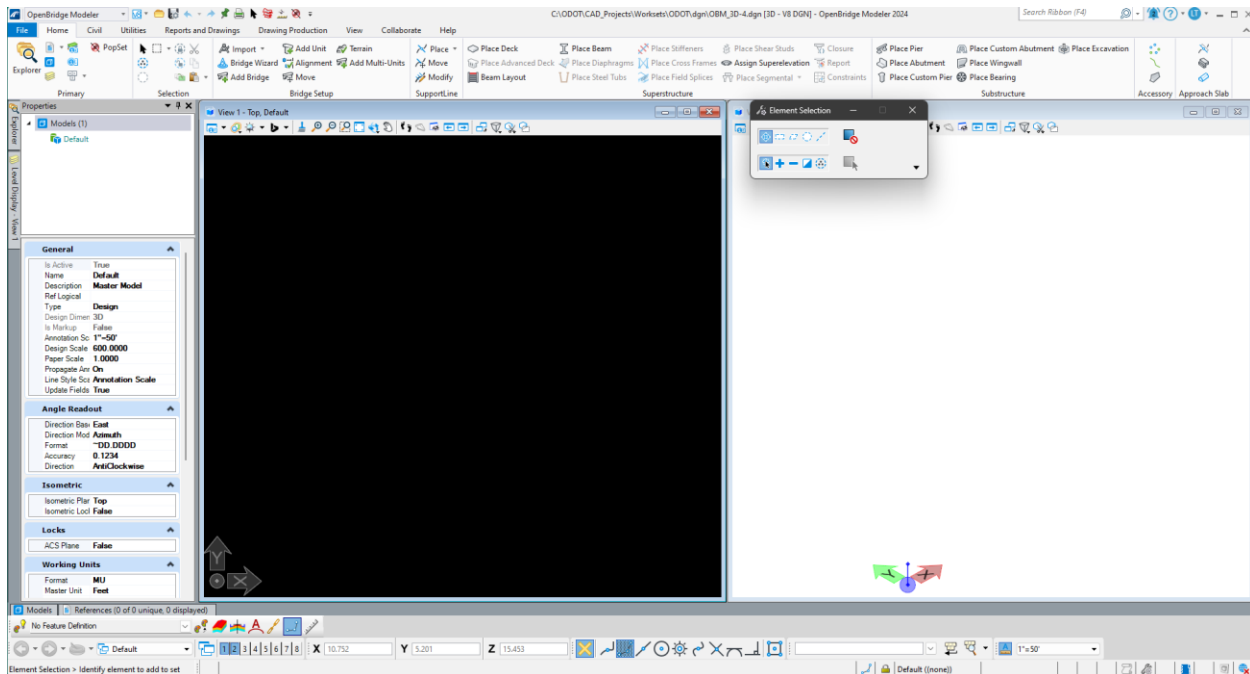

File>Settings>User>Preferences…

See the information in the MicroStation section above for common settings in the *Operations*, *Text*, and *View Options* categories.

In the *View Options - Civil* category, ODOT recommends that individuals adjust the "Manipulator Settings" if you use a high-resolution monitor, so that the civil manipulators (circle, arrow, and plus icons) are more easily seen. The image to the right shows the Manipulator Size set to 15.0000, the Manipulator Font Scale set to 1.25, and the Use Shaded Manipulators set to False for a larger, flat appearance.

OpenBridge Modeler Preferences

The **ODOT OBM Preferences** cause the product to initially open on the primary monitor. The Properties dialog is open and docked at the far left. The Explorer dialog is open and docked (but unpinned) to the left of Properties. The Level Display dialog is open and docked (and unpinned) on top of the Explorer dialog so that the group shows two tabs at the left. AccuDraw is open and docked at bottom with the Annotation Scale dialog; Civil AccuDraw is NOT open. The Feature Definition Toggle Bar is open and docked at the bottom. The Models dialog and the References dialog are both open, docked in a group at the bottom and unpinned to show the two tabs at the bottom left. When you pop up the References dialog, the hierarchy will be open. The Quick Access toolbar at the top left shows Element Selection (black arrow) and Update Server Copy (green arrow).

See the information in the MicroStation section above for common settings in the *Operations*, *Text*, and *View Options* categories. See the information in the OpenRoads and OpenSite section above for common settings in the *View Options - Civil* category.

Assistance

ODOT computers retain backups of CAD preferences. If you would like assistance with restoring preferences or restoring ribbon customizations, please contact an Engineering Applications Support Team member at ODOT.EAST@odot.oregon.gov.