

MTO ORD Workspace Installation Guide

June 2022

MTO workspace for OpenRoads Designer contains WorkSets, resources that are used in designs, standards files, and associated configuration files. These workspace files are provided “As Available” without any warranty, and subject to change with future updates and enhancements.

The current Workspace has been updated to and tested with OpenRoads Designer CONNECT Edition 2021 Release 2 (10.10.21.04).

The workspace was developed based on MTO AutoCAD standards and Power InRoads V8i (SS2) standards. Most of the SS2 styles are brought into ORD, however, many new feature definitions have been created to use the feature and rule based new design environment.

OpenRoads Designer uses the configuration files and variables to set up the work environment. Configuration file ***WorkSpaceSetup.cfg*** contains variable to specify the workspace location. It is located at *C:\ProgramData\Bentley\OpenRoads Designer CE 10.10\Configuration* folder.

To use MTO ORD configuration from the default location *C:\MTO ORD Standards*, copy the *WorkSpaceSetup.cfg* from the downloaded zip file to above mentioned location.

To use the standards from a different location, modify the *WorkSpaceSetup.cfg* file to point to the user selected location.

Open the file with Notepad or other text editor. Modify the following variables with the appropriate path.

MY_CIVIL_ORGANIZATION_ROOT
MY_WORKSPACES_LOCATION

```
WorkspaceSetup.cfg - Notepad
File Edit Format View Help
#-----
# Civil Organization Standard Location
#-----
# Organization standards are base standards for a country or region or a
# large asset owner such as a DOT. These standards should be the base that
# provide most of the settings needed for OpenRoads Designer. Additional
# company specific and project specific standards can be layered onto the
# the Organizational standards using the WorkSpace and WorkSet respectively.
#
# By default Organization standards are located at
# \ProgramData\Bentley\OpenRoads Designer CE\Configuration\Organization-Civil\
#
# The default location can be changed using the MY_CIVIL_ORGANIZATION_ROOT variable.
# To redirect the entire configuration folder to a network location, uncomment the
# MY_CIVIL_ORGANIZATION_ROOT line and replace the network path with the appropriate network path.
#
# <<<< Make Changes Here >>>>
#MY_CIVIL_ORGANIZATION_ROOT = c:/Configuration/Organization-Civil/
MY_CIVIL_ORGANIZATION_ROOT = C:\MTO ORD Standards\Organization-Civil\

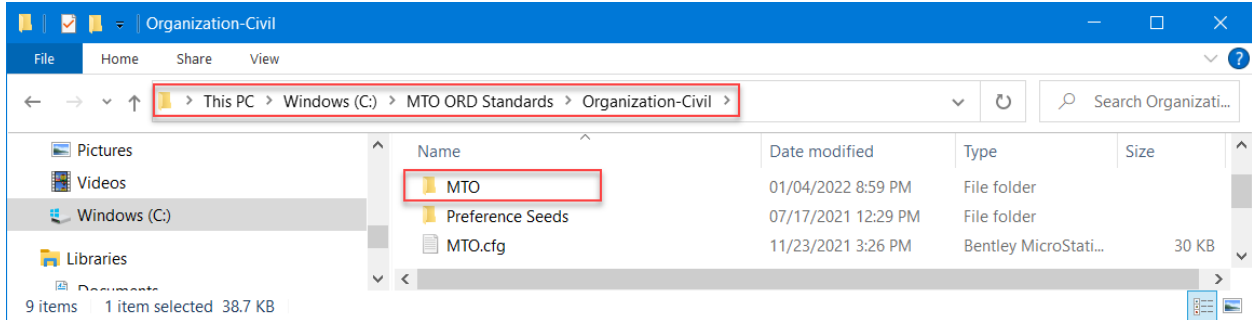
%if defined (MY_CIVIL_ORGANIZATION_ROOT) && exists ($(MY_CIVIL_ORGANIZATION_ROOT))
  CIVIL_ORGANIZATION_ROOT      = $(MY_CIVIL_ORGANIZATION_ROOT)
%else
  CIVIL_ORGANIZATION_ROOT      = $(_USTN_CONFIGURATION)Organization-Civil/
%endif
#-----
#-----
```

```
WorkspaceSetup.cfg - Notepad
File Edit Format View Help
#-----
# WorkSpace Standard Location
#-----
# WorkSpace standards are extensions or overlays to an Organization standard.
# A common use for WorkSpace standards is for company or client standards.
# Organization + WorkSpace + WorkSet = OpenRoads Designer Environment
#
# By default WorkSpace standards are located at
# \ProgramData\Bentley\OpenRoads Designer CE\Configuration\WorkSpaces\
#
# The default location can be changed using the _USTN_WORKSPACESROOT variable.
# To redirect just the WorkSpace folder to a network location, uncomment the
# following line and replace the network path with the appropriate network path.
#
# <<<< Make Changes Here >>>>
#MY_WORKSPACES_LOCATION = c:/Configuration/WorkSpaces/
MY_WORKSPACES_LOCATION = C:\MTO ORD Standards\WorkSpaces\

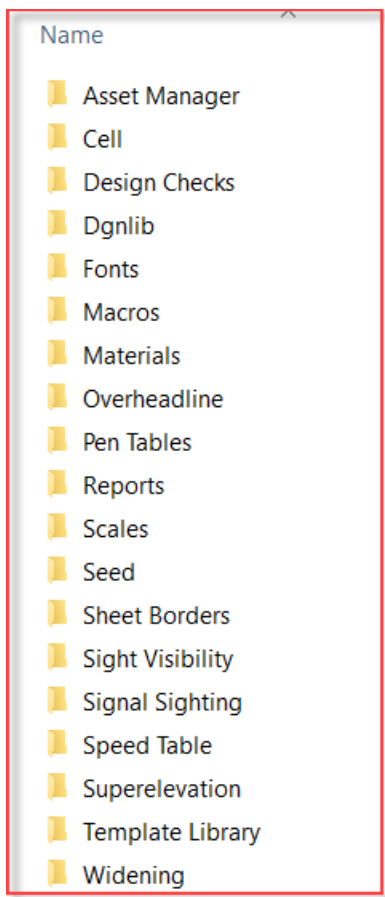
%if defined (MY_WORKSPACES_LOCATION) && exists ($(MY_WORKSPACES_LOCATION))
  _USTN_WORKSPACESROOT        = $(MY_WORKSPACES_LOCATION)
%endif
#-----
#-----
```

MTO ORD WorkSpace is customized at the organizational level and MTO ORD standard files are located in the following folder:

.....\Organization-Civil\MTO\



In this folder, there are series folders as shown below. Some of them also contain subfolders.



The default workset location for MTO workspace is located at C:\MTO ORD Standards\WorkSpaces\MTO (see **WorkspaceSetup.cfg**).

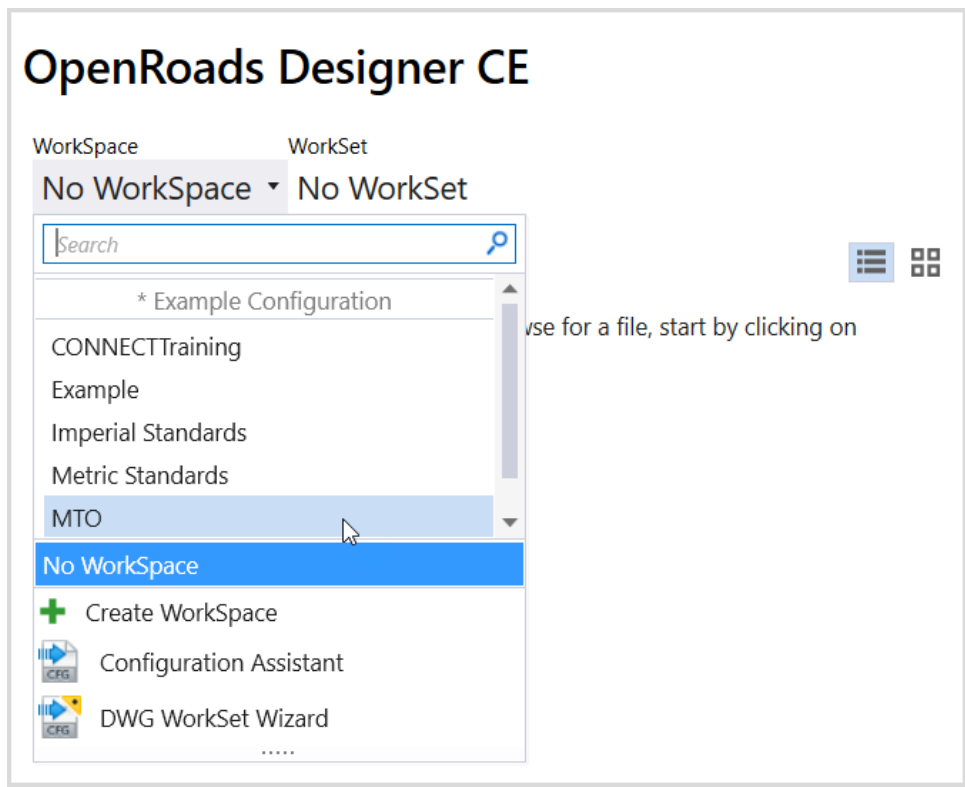
The workspace configuration file MTO.cfg located in the folder C:\MTO ORD Standards\WorkSpaces will define which ORD standard to be loaded for current workspace.

```
MTO.cfg - Notepad
File Edit Format View Help
#=====
# Workspace for using the MTO ORD standards.
#=====
_USTN_WORKSPACEDESCR = Uses MTO ORD Standards

#=====
# Civil Organization Name
#=====
# To load Organization (PW=Customer) standards, define the variable below
# with the name of the standard. Organization (PW=Customer) standards can
# be used to load Bentley training standards, Bentley regional or localized
# standards, owner or agency standards, or other standards.
#
# When a ProjectWise Managed Workspace is used this variable is not required.
# The Organization or Customer standards will be defined using a Customer
# Configuration Settings Block in the ProjectWise Managed Workspace.
#
# Do NOT include .cfg file extension in the variable definition.

# <<<< Make Changes Here >>>>
CIVIL_ORGANIZATION_NAME = MTO
#=====
```

Once installed, the MTO workspace is accessed from the OpenRoads Designer menu as shown below:



After selecting the WorkSpace, click on the **Create a WorkSet** button to create a new WorkSet.

OpenRoads Designer CONNECT Edition

MTO ▾

You have no WorkSets. Create one now?

Create a WorkSet

Create WorkSet

Name:

Description:

Template: Create Folders Only

Folder locations

Root Folder:

Design Files:

Standard Files:

Standards Subfolders:

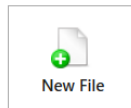
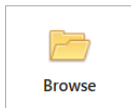
ProjectWise Projects

OpenRoads Designer CE

WorkSpace WorkSet
MTO ▾ Hwy 401 ▾

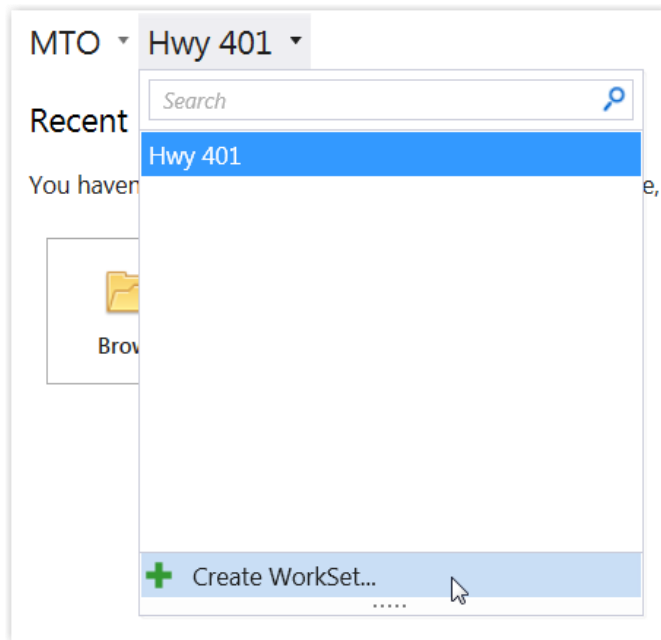
Recent Files

You haven't opened any files recently. To browse for a file, start by clicking on Browse.



Once the WorkSet has been created, it will appear on the WorkSet list.

If there are worksets in the current workspace, select a Workset from the list or use the **Create WorkSet** command on the bottom of the WorkSet list to create a new Workset.



To Find the Location of Your Active WorkSpace and WorkSets,

Select **File > Settings > Configuration > About Configuration**.

The About Configuration window opens, displaying information about the active WorkSpace and its components.

About Configuration

Workspace: Uses MTO ORD Standards
C:\MTO ORD Standards\WorkSpaces\MTO.cfg

WorkSet: 2021R2
C:\MTO ORD Standards\WorkSpaces\MTO\WorkSets\2021R2.cfg

Preferences: CONNECT Edition Preferences
C:\Users\luoand\AppData\Local\Bentley\OpenRoadsDesigner\10.0.0\prefs\OpenRoadsDesigner_Metric.upf

CONNECTED Project: No Project

About Workmode:

You are in DGN Workmode.
The full functionality of OpenRoads Designer is available, including:

- DWG referencing and editing
- AccuSnap and AutoLocate
- Visual Basic for Applications
- Design History
- View Volumes
- Level Filters
- DGN Libraries
- Associations across references

Close