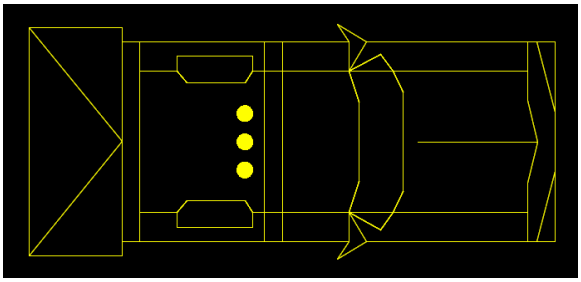
November 2025 Workspace Changes

Cell Libraries

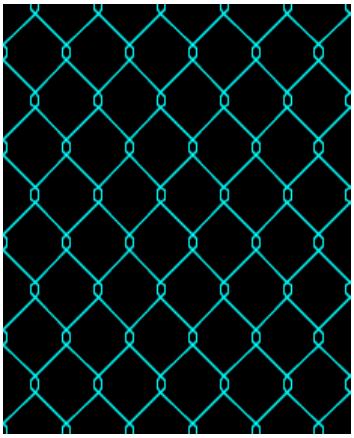
TCP.cel was edited to add cell that should have been added last month, named *TMA*. *TMA* is described as *Truck Mounted Attenuator*. The *TMA* cell is not an annotation cell and is always placed 22’ 6-5/32” long.

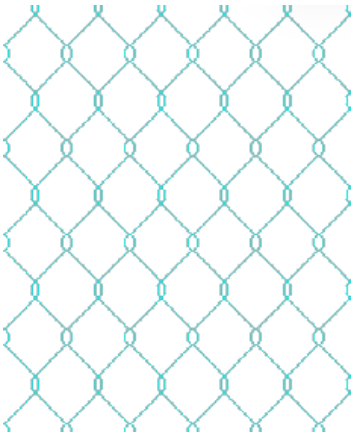


The original cells, including *NoteBracketMulti* that were contained in **ODOT_parametric.cel**, were recovered from an early February submittal and are available again in the WorkSpace.

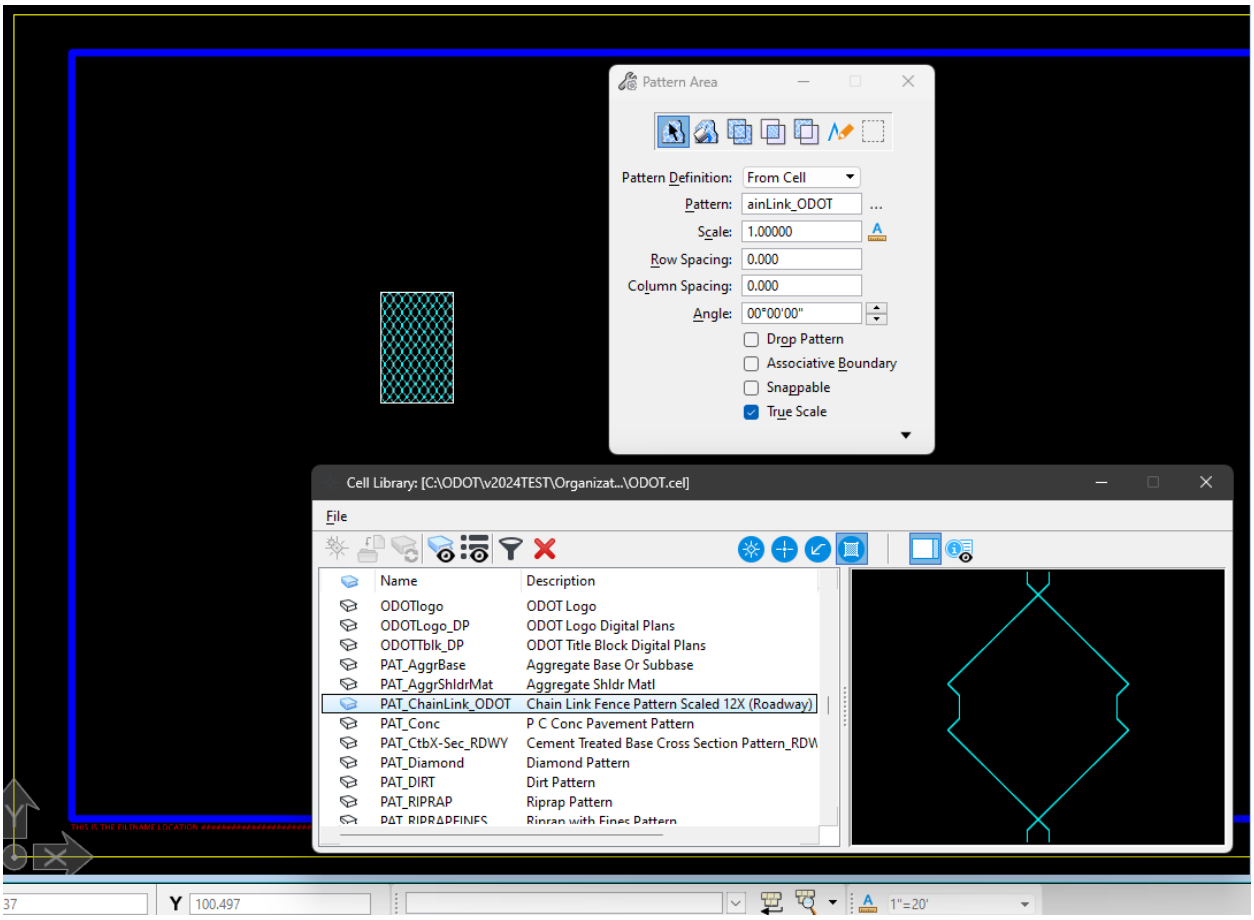
Imported the cells that have been hiding out in ODOT_parametric.cel since February, named "*REINF**", into **ODOT_Std_Rebar_Shapes.cel** as the correct location for those cells.

Edited **ODOT.cel** and added a new pattern cell: *PAT_ChainLink_ODOT* Desc: Chain Link Fence Pattern for Profile Views (Roadway). The pattern has been created 12 times larger than real-world size. Below you can see the pattern in a design-type model (left) and a sheet-type model (right).





The picture below shows a patterned shape inside a border placed at 1”=20’ drawing scale with the annotation scale lock off.



DGN Libraries

ODOT_Features_Annotations_Levels_Elem Temp_Survey Settings.dgnlib was edited to modify all *RW* and *Surv* annotation groups to use the 'Manage Modifications' property on text fields for all labels. This allows stationing, curve data, bearings, and cardinal stations that are manually relocated using the civil products to remain in the new location when the civil data is updated later. Things like spirals, PI's, and arcs will continue to be annotated twice if they are a member of a SCS curve set. The best way to manage extra labels or curve data you don't need is to simply move them to a location that is outside the project area – and now they will stay put.

Also edited all annotation groups for *all alignments* and set 'Manage Modifications' to true for all text labels to allow major stationing labels to be moved and remain when using OpenRoads or OpenSite Designer even after the alignment is edited.

Both **ODOT_Text Favorites_Text Styles_Dimension Styles.dgnlib** and **ODOT Labeler Text Favorites Text Styles Dimension Styles Elem Temp.dgnlib** were modified for all "*ODOT RW* *" and "*ODOT SURV* *" text styles to not use "Fractions" to eliminate the use of stacked fractions. The RW and Survey standard is to retain the full size of the numerator and denominator and separate them with a 'forward slash' (/) character.

ODOT_Traffic Control_Text Favorites.dgnlib was edited to correctly display the Traffic text favorite named, *_L9_Type "W1"*.

Pen Tables

Edited **rw.tbl** sections *SCREENED_REF_TEXT*, *REF_TEXT*, and *TEXT* to provide the standard output for Color and Fill Color by turning both on and setting both to By Index 0.

WorkSpace

Workspace_Last_Modified.txt was edited to set the deployment date of 11/18/2025.

October 2025 Workspace Changes

Cell Libraries

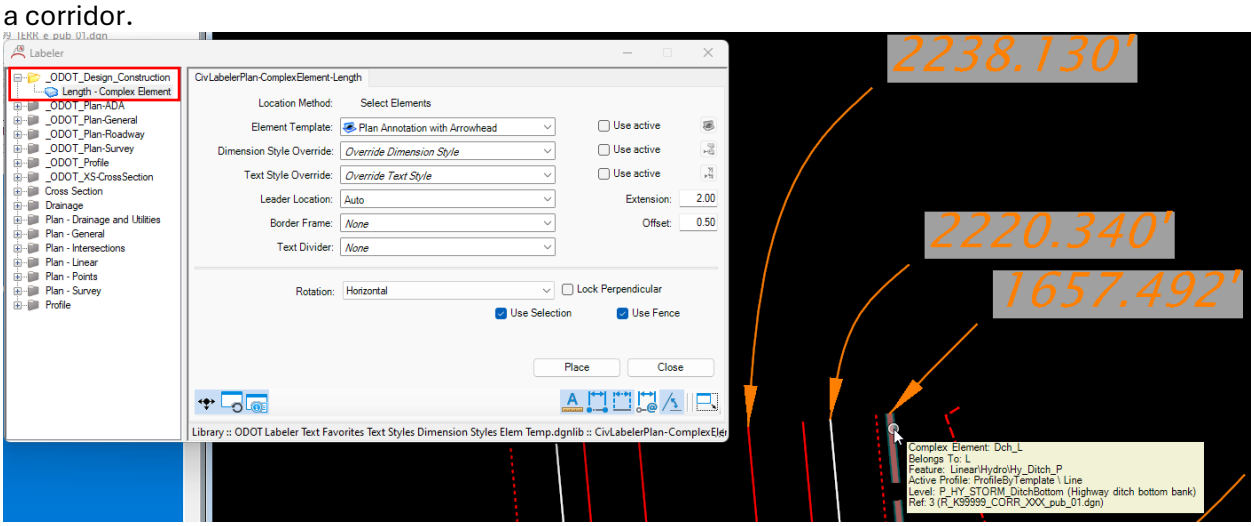
The following changes were made to **Quantity.cel**: Created three new cells, Temp. Conc. Barrier length, Ped. Chan. Devices length, and Temp Walk area, for ODOT Traffic Control>Place Label Signs tab buttons: Barrier_Temp_Conc_Length, Ped_Chan_Devices_Length, and Walk_Temp_Area.

DGN Libraries

Renamed **ODOT A_Quantity_Features_Levels_Elem Temp_Text Favorites.dgnlib** to **ODOT_Quantity_Features_Levels_Elem Temp_Text Favorites.dgnlib** and edited to rename generic quantity text favorites to begin with an asterisk (*) so that they sort to the top of the Text Favorites list, above the Traffic Control text favorites.

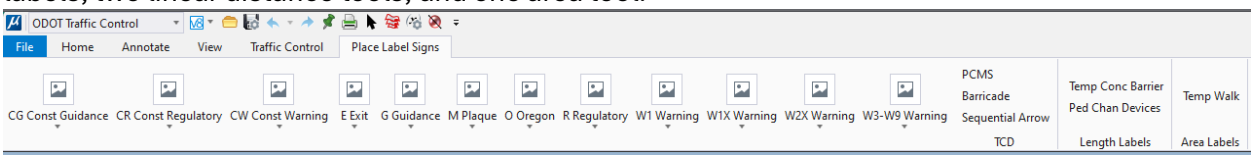
ODOT_Traffic Control_Text Favorites.dgnlib is a new file created to hold static text favorites for use with the Place Note command to draw a curved leader line according to Roadway standards. Traffic Control text favorite names begin with an underscore (_) so that they sort second in the Text Favorites list.

ODOT Labeler Text Favorites Text Styles Dimension Styles Elem Temp.dgnlib was modified to Create a text favorite in the Plan\Linear Geometry folder named *CivLabelerPlan-ComplexElement-Length*, and an *_ODOT_Design_Construction* folder in the Civil Labeler, to hold a Label Definition named ***Length - Complex Element***. The capability to label a complex civil element was requested by designers to label the entire length of a complex element. The civil label ***Length – Complex Element*** will also label basic, non-civil graphical elements.
The picture below shows the new folder and label definition outlined in red. The orange values and leaders indicate the horizontal length of the entire complex element displayed from a reference to a corridor.



ODOT_Features_Annotations_Levels_Elem Temp_Survey Settings.dgnlib was modified to create a new feature definition for Survey>Geotech>*Cone Petrometer* with alpha code CPT. New feature symbology, element template and annotation group were also created. Upgraded civil schema to v2024.
Created Annotation Groups>Plan>Linear>*Plans* folder and created two annotation group overrides: *CL_Main_Plans* and *CL_Main_Rt_Plans*, each set up with offset values about twice what is used by CL_Main.
Edited the Traffic\Traffic Control*Cells* element template to set Text Style to ODOT Notes and Dimension Style to ODOT Dec Ft for working with the new ODOT Traffic Control\Place Label Tools tab.

ODOTRibbon.dgnlib: Added *ODOT Traffic Control>Place Label Signs* tab that has 16 groups containing 250 temporary sign face tools arranged in alphabetical groups, three different device labels, two linear distance tools, and one area tool.



Seed Files

In both **OpenRoads_Seed3D.dgn** and **OpenSite_Seed3D.dgn** toggled off the tool setting to scale Annotations. This change was to make the design file settings consistent between the 2D and 3D seed files.

Standards CFG

In **ODOT_Standards.cfg** set CIVIL_FILENAME=Imp_Foot that previously defaulted to Metric. This only affected the functionality of the newly configured tool, Deed Writer, and allows it to load Bentley's deed phrase catalog that uses international foot units.

Template Library

In **ODOT_ORD_seed.itl**, removed four point names for milling and leveling from the Point Name List that used _L and _R affixes in the root name. It was cleanup that was well-past due.

Survey

Added a new folder named ***Deed Writer*** in the **ODOT_Standards**. To provide enhanced functionality with the new Deed Write tool. Also provided a copy of Bentley's Deed Writer Phrase Catalog, ***RightOfWayDeedPhraseCatalogImp_Foot.XML***, in the folder so that the Deed Writer tool may be demonstrated and potentially configured for ODOT use.

WorkSpace

Workspace_Last_Modified.txt was edited to set the deployment date of 10/21/2025.

September 2025 Workspace Changes (v2024 Upgrade)

A v2024 workspace was deployed to ODOT computers on August 20, 2025. It was updated for some last-minute adjustments on September 3, 2025, and included the following changes.

Cell Libraries

Three cell libraries were removed from the workspace because they are no longer used: **ODOT Cross Section Labeling.cel**, **ODOT Plan View Labeling.cel**, and **ODOT Profile View Labeling.cel**.

Quantity.cel is a new cell library that was added to support the new ODOT Quantities ribbon workflow. Each cell contains a text favorite to label the element property of either length or area for common bid items.

Data

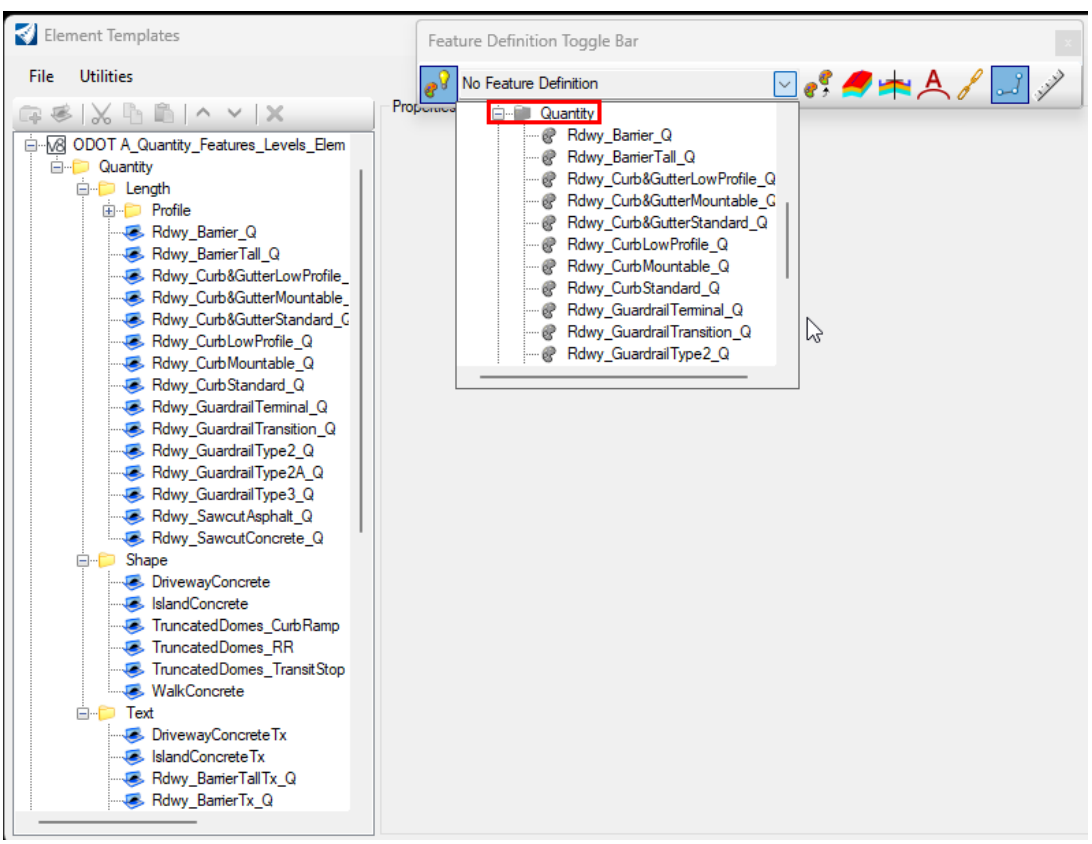
OSIP_2024.xwms was created as a Bentley WMS File with URL set to the Oregon Statewide Imagery Program for 2024. Used with Attach>WMS... or Attach>Raster... commands.

WmsServerList.xml was created to list the "OSIP WMS Server" in the WMS Map Editor (Raster Services>New WMS>Services...) and point to OSIP_2024_SL.

See this PDF for more information: Attaching Streaming Imagery from OSIP.

DGN Libraries

A new design library, **ODOT A_Quantity_Features_Levels_Elem Temp_Text Favorites.dgnlib**, was added, containing 42 new "Q_" levels, element templates (*Quantity* folder), text favorites, and feature definitions (*Linear\Quantity* folder) for use with the Place Label command and supporting the new ODOT Quantities ribbon workflow. Its unusual name helps with sorting the text favorites to the top of lists.



ODOT Labeler Text Favorites Text Styles Dimension Styles Elem Temp.dgnlib has been updated to incorporate Bentley fixes and issues noted in "Workspace Updates - 2024.00.xlsx" for the Civil Labeler Annotation.

ODOTRibbon.dgnlib has been modified to create the *ODOT Quantities* ribbon workflow with four tabs: Home, Annotate, View, and Quantities. The Quantities tab shows the Attributes group and two new groups: Place Lines & Shapes and Label Lines & Shapes with 21 functions in each, using split buttons for some. The "Place" group of tools sets an active element template and executes the Place SmartLine or Place Shape command. The "Label" group of tools sets an active element template for text and executes the Place Label command with the appropriate cell with text favorite and dimension style already selected. All that's left for the user is to select the "with leader" icon and verify the options before selecting the element, then placing the label.

See this PDF for more information: Using ODOT Quantities to Place Label.

Line Style Resources

Bentley Hidden.rsc was deleted. It is no longer necessary for civil Place Label commands because that functionality has been entirely replaced by the Civil Labeler.

Pen Tables

After the upgrade to v2024, the following pen tables were edited to prevent the outlining of text nodes that used text styles with background masking: **rw.tbl**, **Surv_CRR_BW.tbl**, **Surv_CRR_GS.tbl**, **Surv_RWM_BW.tbl**, and **Surv_RMM_GS.tbl** – toggled off any output action in a TEXT section that performed a fill.

Reports

Deleted the custom report, **CrossSectionGradebookfromCL.xsl**, which is no longer required. Removed all functions and call to javascript in: **ODOTTerr_ConfPnt_Out_Txt.xsl**, **ODOTTerr_ConfPnt_Report_HTML.xsl**, **ODOTTerr_GradeVerification_Out_Txt.xsl**, and **ODOTTerr_GradeVerification_Report_HTML.xsl**, so the confidence point and grade verification reports would run.

Standards CFG

A new **ODOT_Standards.cfg** was created from a copy of Bentley's "_Civil Default Standards - Imp_Foot.cfg" and ODOT's standards previous standards were edited into the file. Configured loading OSIP imagery .xwms file using Attach>WMS... on the Raster Manager dialog: set MS_RASTER_DEF_DIR = $(CIVIL_ORGANIZATION_STANDARDS)data/; Set MS_WMS_SERVERS_ORGANIZATION = $(CIVIL_ORGANIZATION_STANDARDS)data/WmsServerList.xml

The following new configuration variables were added and set:
CIVIL_CROSSSECTION_REVERSE_STATION_ENABLE = True #provide check box on dialog.
MS_LEVEL_DISPLAY_FORMAT = N (D) #includes the level description when viewing the level name in the Pop-up Info banner.
MS_LABELTOOL_CELLLIST = $(CIVIL_ORGANIZATION_STANDARDS)cell/Quantity.cel #configures Place Label in v2024 for labeling length and area of common bid items.

WorkSpace

Workspace_Last_Modified.txt was modified to set the deployment date of 9/3/2025.