December 2025 Workspace Changes

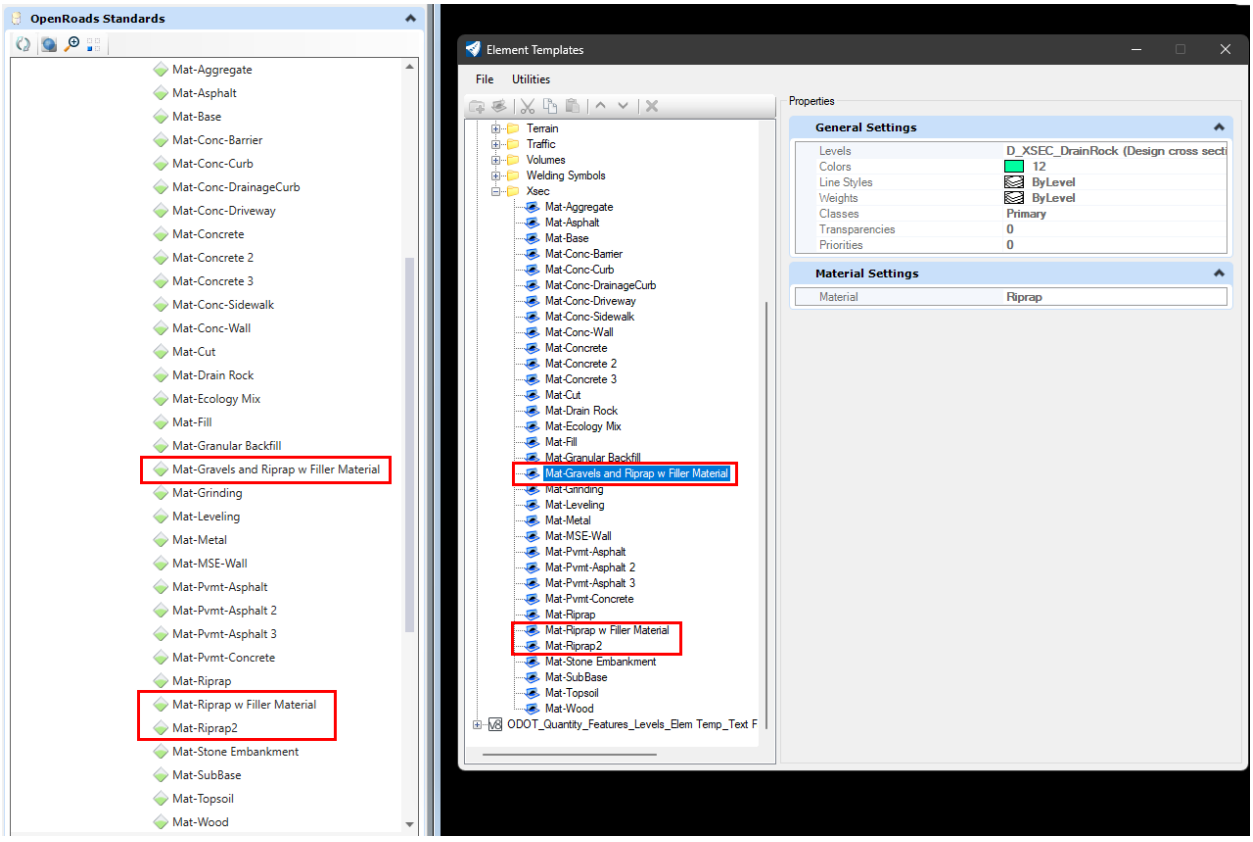
Cell Libraries

In **Bridge.cel** *M_LineMask* was edited to change the priority on the Circle element to 10.

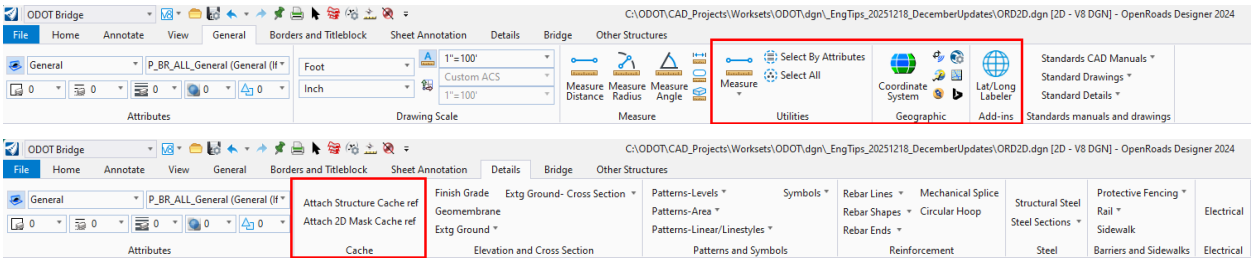
DGN Libraries

ODOT_Features_Annotations_Levels_Elem Temp_Survey Settings.dgnlib, was edited. Corrected the level in element templates assigned to Hy_Design_General_P to use P_HY_DESIGN_General. Added element template Hy_Ecol_Biofilter_P to use P_HY_DESIGN_General, 7, 0, 1. Added feature symbology and feature definition for Linear\Hydro\Hy_Ecol_Biofilter_P and Profile\Hydro\Hy_Ecol\Biofilter_P.

Added mesh feature definitions, symbologies and element templates for Gravels and Riprap w Filler Material, RipRap w Filler Material, and RipRap2. These were added for Hydraulics work on slope protection and stream channel components and will provide feature separation for quantities.



ODOTRibbon.dgnlib has been modified for changes to the ***ODOT Bridge*** and ***ODOT Welding Symbols*** ribbon workflows. The Annotation tab was added to both. ODOT Bridge had more changes including adding the Utilities, Geographic, and Add-ins groups to the General tab (see top picture below) and renaming the “attach reference” tools in the Cache group on the General tab.

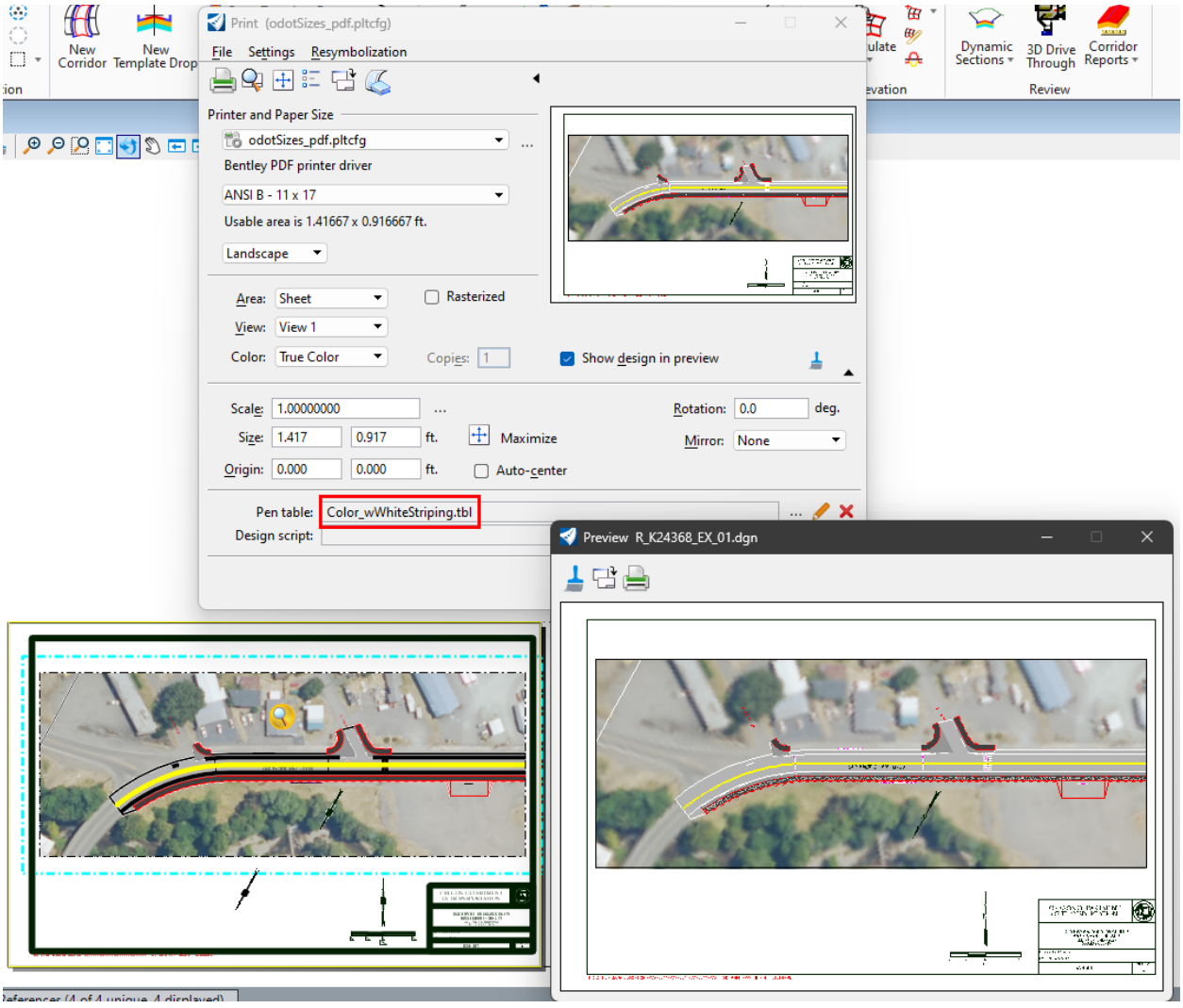


Line Style Resources

Bentley Hidden.rsc was deleted from the workspace. It is no longer necessary for civil Place Label commands because that functionality has been entirely replaced by the Civil Labeler. A copy of Bentley Hidden.rsc has been placed on ODOT's ftp site in ftp://ftp.odot.state.or.us/isb/appeng/ODOT_workspace/BentleyHiddenLeaderLineStyle/ *(Copy and paste this link into File Explorer; Chrome and Edge browsers do not work well with FTP.)* Instructions for importing into DGNs if needed to make dimension lines vanish from prints of older plan sheets are in a text file in the same location.

Pen Tables

Added **Color_wWhiteStriping.tbl** pen table that causes all elements with Color = 0 index value in the active file, or even attached as a reference, to appear white in the PDF. This pen table can be used for exhibits in sheet models that use raster backgrounds, to force striping to appear white - or true color. The picture below shows a red outline around the attached "Color_wWhiteStriping.tbl" pen table in the Print dialog. The View of the sheet model with black striping is on the lower left. The Print Preview showing white striping is on the lower right.



Printer Driver Configuration Files

The following (.pltcfg) files were edited to no longer prevent the printing of points: **odotAB_Printer.pltcfg**, **odotCD_Printer.pltcfg**, **odotSizes_pdf.pltcfg**, **odotSizes_pdf_1inTo400ft.pltcfg**, **odotSizes_pdf_1inTo800ft.pltcfg**, and **odotSizes_pdf_levels.pltcfg**. This change was made to allow the

printing of the line work associated with Drainage and Utilities nodes (manholes and inlets) in profile runs.

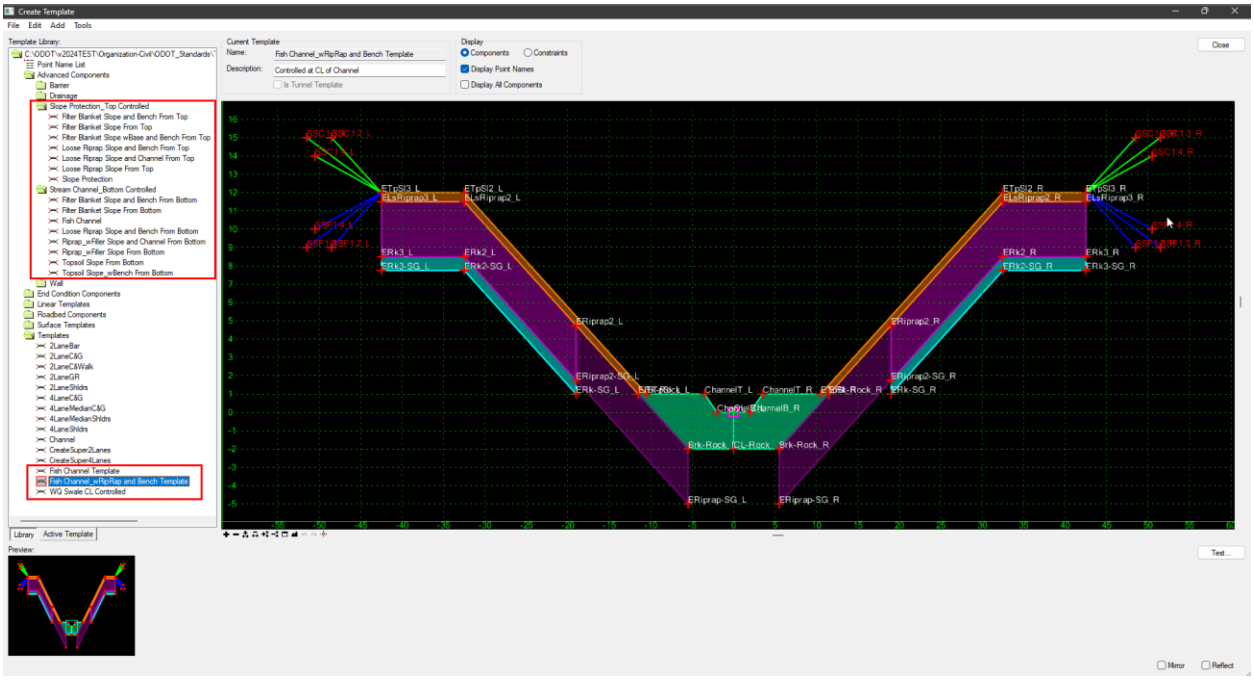
The prevention of printing points was a decades-old holdover from placing construction points for drawing, prior to having a construction class or level names to toggle off the display of those points. If you find an odd point muddying up your print – change its class or level so that you can toggle it off.

Reference

In **Structure_cache.dgn**, changed AC and elastomeric bearing pad area symbology; various details-added masking for dimension lines crossing each other; general "clean up", added Oregon LRFR Trucks diagrams; fixed title field for vertical bar splices. Updated symbology in various cache detail models.

Template Library

In **ODOT_ORD_seed.itl**, added BioFil (Biofiltration), ERiprap (Edge of Riprap), ETpSl (Edge of Topsoil), and EWQS (edge of water quality swale) point names; added Advanced folders for ***Slope Protection*** and ***Stream Channel*** components: WQ Swale, Biofiltration Slope; added example templates named *Fish Channel*, *Fish Channel with Riprap…*, and *WQ Swale CL…* for hydraulics modeling.



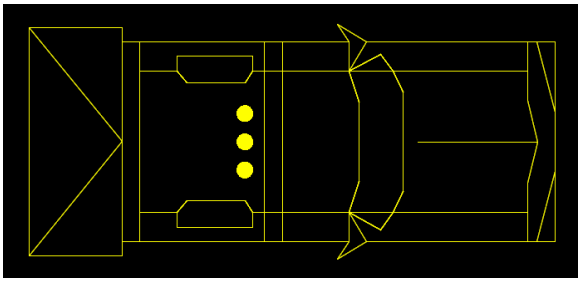
WorkSpace

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

November 2025 Workspace Changes

Cell Libraries

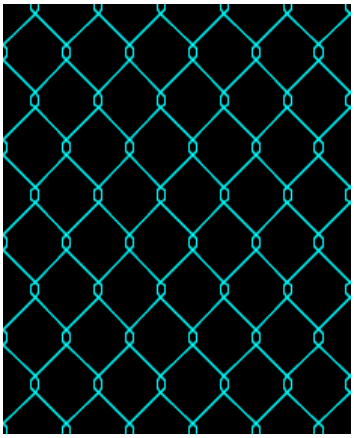
TCP.cel was edited to add cell that should have been added last month, named *TMA*. *TMA* is described as *Truck Mounted Attenuator*. The *TMA* cell is not an annotation cell and is always placed 22’ 6-5/32” long.

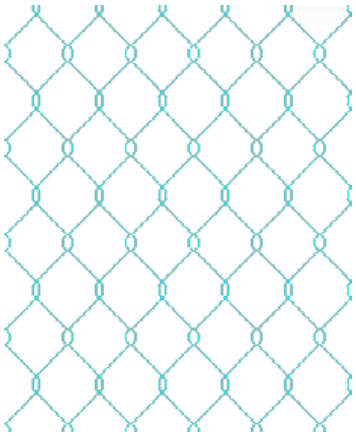


The original cells, including *NoteBracketMulti* that were contained in **ODOT_parametric.cel**, were recovered from an early February submittal and are available again in the WorkSpace.

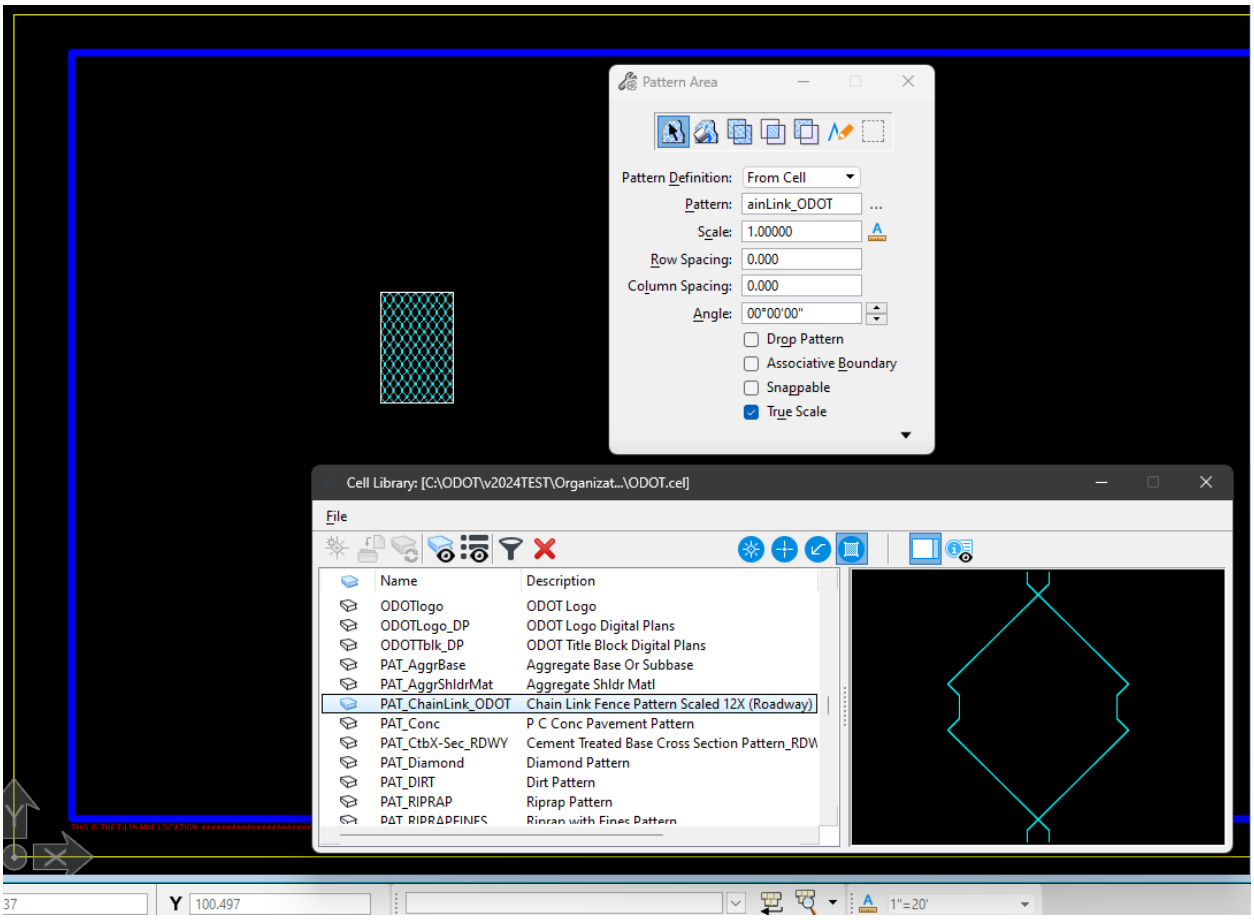
Imported the cells that have been hiding out in ODOT_parametric.cel since February, named "*REINF**", into **ODOT_Std_Rebar_Shapes.cel** as the correct location for those cells.

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

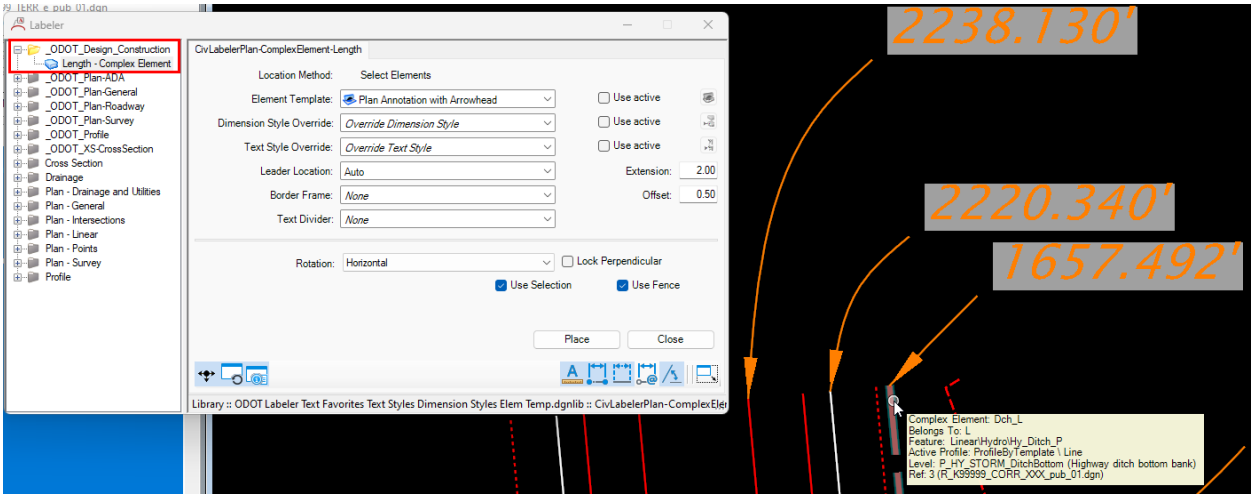
The following changes were made to **Quantity.cel**: Created three new cells, Temp. Conc. Barrier length, Ped. Chan. Devices length, and Temp Walk area, for ODOT Traffic Control>Place Label Signs tab buttons: Barrier_Temp_Conc_Length, Ped_Chan_Devices_Length, and Walk_Temp_Area.

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.

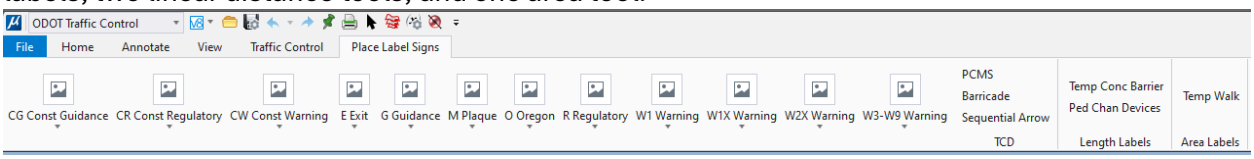
ODOT_Traffic Control_Text Favorites.dgnlib is a new file created to hold static text favorites for use with the Place Note command to draw a curved leader line according to Roadway standards. Traffic Control text favorite names begin with an underscore (_) so that they sort second in the Text Favorites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