January 2024 V10 Workspace Changes

Cell Libraries

Added the rectangular bubble cell *rct5* with narrow text to **Bubble Cells - Signals.cel**.

MDLAPPS

In a major annual revision, modified more than 150 bubbles and text labels in signals.ini.

Standards CFG

In **ODOT_Standards.cfg**, changed the default print definition name to use the <sheet number> named expression to name print definitions when they are created in an untitled PSET file.

Seed

Modified **KeyNu.pset** to set the Default Print Definition Name to use <sheet number>, so that print definitions are created with names that are set in the sheet model property for Sheet Number.

Reports

We received a corrected **Cross Section Grade Book From Centerline** report from Bentley and have provided that in the Civil Report Browser in the Custom folder. *CrossSectionGradebookfromCL.xsl* in the Evaluation folder displays decimal slopes on the right side, while the **corrected report in the Custom folder** displays slopes in percent on both sides of the centerline.

| File Tools Custom CrossSectionGradebookfromCLxsl ODDTWDesc, WhyCLxsl ODDTWDesc, WIDTH Asl ODDTWDesc, WIDTH Asl ODDTWDesc, WIDTH Asl ODDTTerr_ConPirt, ContPit Report, HTMLxsl ODDTTerr_ConPit Report, HTMLxsl ODDTTerrainCheckxsl ODDTTerr_GradeVerification_Report, HTMLxsl Conti Terrain CiviliGeometry < | ry 17, 2024 e: All units in this report are in Match_f |
|--|--|
| CrossSectionGradebooktromCLxsl CrossSection Gradebookt fromCLxsl ODOTIWDesc_HtNCLxsl Report Created: Wednesday, Janua ODOTIWDesc_HtNCLxsl Time: 2:14:48 PM ODOTIWDesc_WIDTH_NAMEDxsl Set Name: SC ODOTTerr_ContPrL_book_HtMLxsl Input Grid Factor: ODOTTerr_GradeVerification_Report_HTMLxsl Input Grid Factor: Child Terrain Station: Child Terrain Station: Child Terrain Feature Child Terrain Feature Childsmetty Feature Condenstry Gridsee Conditions 387.11 Station 386.96 Stope 2.5% | ry 17, 2024 e: All units in this report are in Match_f |
| ODOTrwDesc, Hwy CLusi ODOTrwDesc, LINExal ODOTrwDesc, WIDTH, NAMEDxal ODOTrwDesc, WIDTH, NAMEDxal ODOTrwDesc, WIDTH, NAMEDxal ODOTTerrainCheckval Report Created: Wednesday, Janue Time: 2:14-48 PM ODOTrwDesc, WIDTH, NAMEDxal ODOTTerr, ConfPnt, Que Tutxel ODOTTerr, GradeVerification, Deport, HTMLxsl ODOTTerr, GradeVerification, Report, HTMLxsl Set Name: SC ODOTTerr, ConfPnt, Report, HTMLxsl ODOTTerr, GradeVerification, Deport, HTMLxsl Name: SC Cont Surface: CristGeometry Conidecemetry Feature Conidecemetry Feature Conidecemetry Feature Conidecemetry Feature Conidecemetry Offset Conidecemetry Station: Conidecemetry Feature Offset -6000 Conidecemetry Station: Station 387.11 Station 386.96 Station Station | ry 17, 2024 e: All units in this report are in Match_f |
| ODDTmbesc_UNExsl Report Created: Wednesday, Janua ODDTmbesc_TACT.xsl Time: 2:14:48 PM ODDTmbesc_WIDTH_XANED.xsl Time: 2:14:48 PM ODDTTerr_Conffmt_Report_HTMLxsl Alignment Name: SC ODDTTerr_GradeVerification_Out_Titx.sl Input Grid Factor: ODDTTerr_GradeVerification_Report_HTMLxsl Surface: ODDTTerr_GradeVerification_Report_HTMLxsl Surface: Continenty Feature CivilGementy Feature CorideModeling Offset Continenty Sigpe Elevation 386.96 Station: Sigpe | e: All units in this report are in Match_1 |
| ODDTwDesc_TRACT.xsl Time: 2:14:48 PM ODDTwDscy_WIDTH_Xsl Time: 2:14:48 PM ODDTTwrDscy_WIDTH_Xsl Time: 2:14:48 PM ODDTTerr_GradeVerification_Out_Txtxsl Alignment Name: SC ODDTTerr_GradeVerification_Out_Txtxsl Input Grid Factor: ODDTTerr_GradeVerification_Out_Txtxsl Station: 58+92.000 Coniderwey Feature ConidroModeling Elevation Elevation 387.11 Stope 2.5% | e: All units in this report are in Match_1 |
| ODOTIvvDesc, WIDTH_xsl Imme. 2, 14-46 PW ODOTIvvDesc, WIDTH_NAMEDxsl Set Name: SC ODOTTerrainCheckxsl Alignment Name: SC ODOTTerr_Conffruct_Txtxsl Input Grid Factor: ODOTTerr_GradeVerification_Out_Txtxsl Input Grid Factor: ODOTTerr_GradeVerification_Report_HTMLxsl Input Grid Factor: Conter Station: Station: Station: CivilGeometry Feature CivilGeometry Offset CorridorModeling Elevation Evaluation 387.11 CrossSectionGradebookxsl Slope | Match_1 |
| ODDTwDesc_WIDTH_NAMEDxsl ODDTTerrainCheckxal Set Name: SC ODDTTerrainCheckxal Alignment Name: SC ODDTTerr, Conffmt_Qut_titxal Input Grid Factor: No ODDTTerr, GradeVerification_Report_HTMLxsl Input Grid Factor: No ODDTTerr, GradeVerification_Qut_titxal Surface: Sawcut_Line Civil Errain Station: 58+92.000 Civil Geometry Feature Match_L CL EP_R Offset -6.000 0.000 10.00 CorridorModeling Elevation 387.11 386.96 386.76 Valuation CrossSectionGradebookxst Slope 2.5% -0.00 | Match_1 |
| ODOTTerr_ichecksit Set Name: SC ODOTTerr_ConfPrt_Out_Txtxsl Alignment Name: SC ODOTTerr_ConfPrt_Report_HTMLxsl Input Grid Factor: ODOTTerr_GradeVerification_Out_Txtxsl Input Grid Factor: ODOTTerr_GradeVerification_Report_HTMLxsl Surface: Cant Station: Contler Station: CivilSurvey Feature Offset -6000 Considering Elevation Elevation 387.11 Slope 2.5% | Match_1 |
| ODOTTerr_ConfPnt_Out_Txt.ssl Alignment Name: SC No ODOTTerr_ConfPnt_Report_HTMLxsl Input Grid Factor: No ODOTTerr_GradeVerification_Report_HTMLxsl Surface: Sawcut_Line Contract Station: 58+92.000 C Kill Geometry Feature Match_L CL EP_R C Kill Geometry Offset -6.000 0.000 10.000 CorridorModeling Elevation 387.11 386.96 386.71 Kloppe 2.5% -0.00 -0.00 -0.00 | Match_1 |
| Support Input Grid Factor: No ODOTTer:_ConfPht_Report, HTMLxsl Input Grid Factor: No ODOTTer:_GradeVerification_Out_Txt.sl Surface: Sawcut_Line Cant Station: 58+92.000 CivilGeometry Feature Match_L CL EP.R CivilGeometry Offset -6.000 0.000 10.00 CroisSectionGradebookxst Slope 2.5% -0.0 | Match_1 |
| ODOTTerr_GradeVerification_Out_Txtxsl Surface: Sawcut_Line 0 ContTerr_GradeVerification_Report_HTMLxsl Surface: Sawcut_Line 0 Canit Station: 58+92.000 0 CinitGeometry Feature Match_L CL EP_R 0 CinitGeometry Offset -6.000 0.000 10:00 0 CinitGeometry Elevation 387.11 386.96 386.71 4 Evaluation CrossSectionGradebookxst Slope 2.5% -0.00 | Match_1 |
| ODOTTerr_GradeVerification_Report_HTMLxsl Surface: Sawcut_Line P Cant Station: 58+92.000 P Civil Terrain Station: 58+92.000 P Civil CorridorModeling Feature Match_L CL EP.R P Civil CorridorModeling Elevation 387.11 386.96 386.7 4 Evaluation CrossSectionGradebookxsl Slope 2.5% -0.00 | - X X X X = |
| □ Canit Station: 58+92.000 □ Civil Terrain Station: 58+92.000 □ Civil Geometry Feature Match_L CL EP_R □ Civil Geometry Fontiure 0.000 10.00 □ Corridor/Modeling Elevation 387.11 386.96 386.76 ▲ trablation Slope 2.5% -0.0 | - X X X X = |
| Feature Match_L CL EP_R CivilGeometry CivilGeometry Offset -6.000 0.000 10:00 Convolution 387.11 386.96 386.71 Evaluation 387.11 386.96 386.70 CrossSectionGradebookxst Slope 2.5% -0.00 | - X X X X = |
| © CivilSurvey Offset -6.000 0.000 10.00 © CorridorModeling Elevation 387.11 386.96 386.7 ✓ Evaluation CrossSectionGradebookxsl Slope 2.5% -0.0 | - X X X X = |
| CorridorModeling | |
| Elevation CrossSectionGradebook.xsl Slope 2.5% -0.0 | 0 / / / /10.4 |
| CrossSectionGradebook.xsl Slope 2.5% -0.0 | 1 386. |
| | - X X X X |
| | $\mathbf{A} \times \mathbf{X} \times \mathbf{X}$ |
| CrossSectionGradebookNExsI Station: 59+00.000 | |
| GransCastianGradebaal/Wide vol | imes 	imes 	imes 	imes 	imes 	imes 	imes |
| Feature Match_L CL EP_R | Match_F |
| ElementsComponentQuantitiesReport.xsl Offset -6.000 0.000 10.00 | 0 15.9 |
| ElementsComponentQuantitiesReportSummary.xsl Elevation 387.12 386.96 386.7 | 1 386. |
| EndAreaVolume.xsl Slope 2.5% -0.0 | 3 -01 |
| CrossSectionGradebookfromCLss ODOTwDesc,HwyCLssI ODOTwDesc,HWSCLssI ODOTwDesc,TACLssI ODOTwDesc TRACLssI ODOTwDesc TRACLssI | |
| ODOT/wDesc_IRACT.xst ODOT/wDesc_WIDTH.xst | |
| ODDTryvDesc_WIDTH_NAMED.xsl Set Name: SC | |
| ODOTTerrainCheck.xsl | |
| | |
| ODOTTerr_ConfPnt_Report_HTMLxsl Input Grid Factor: Not ODOTTerr_GradeVerification_Out_Txt.xsl | e: All units in this report are in f |
| ODOTTorr Grade/Varification Report HTML vrl | |
| Cant Surrace: Sawcut_Line | |
| Civil Terrain Station: 58+92.000 | |
| | Match R |
| | - X X X X = |
| CivilGeometry Feature Match_L CL EP_R | |
| Construction Feature Match_L CL EP_R 0 Construction Offset -6.000 0.000 10.000 | 386 6 |
| Continementry Feature Match_L CL EP_R 0 CiviliScometry Offset -6.000 0.000 10.000 0 CondorModeling Elevation 387.11 386.96 387.71 | - X X X |
| Cristiesaminy Feature Match_L CL EP_R Civilisementy Cristiesaminy Offset -6.000 0.000 10.000 Considered and and an analysis CervidorModeling Elevation 387.11 386.96 386.77 Evaluation CrossSectionGradebookxst Slope 2.5% -2.5% -2.5% | - X X X |
| Cruit Ferain Feature Match_L CL EP_R Civil/Sourcey Offset -6.000 0.000 10.00 ConsiderModeling Elevation 387.11 386.96 386.77 CrossSectionGradebook/xol CrossSectionGradebook/romCLxsl Slope 2.5% -2.5% | - X X X |
| Feature Match_L CL EP_R Civil/Sourcey Condersembry Feature Match_L CL EP_R Condersembry Condersembry Offset -6.000 0.000 10.00 Condersembry Evaluation 387.11 386.96 386.7 CrossSectionGradebook/rsdl CrossSectionGradebook/Nsxl Station: 59+00.000 -2.5% | -4.62 |
| Christenin Feature Match_L CL EP_R Christenerty Christenerty Offset -6.000 0.000 10.00 Considerenty Considerenty Offset -6.000 0.000 10.00 Evaluation 387.11 386.96 386.71 Slope 2.5% CrossSectionGradebook/Ksdl CrossSectionGradebook/Ksdl Station: 59+00.000 CrossSectionGradebook/Kids dist | - X X X |
| Conidementy Feature Match_L CL EP_R Conidsonety Conidsonety Offset -6.000 0.000 10.00 Conidsonety Conidsonety Elevation 387.11 386.96 386.7 Valuation CrossSectionGradebook/ssi CrossSectionGradebook/NExsi CrossSectionGradebook/NExsi Station: 59+00.000 -2.5% CrossSectionGradebook/NExsi CrossSectionGradebook/NExsi Station: 59+00.000 EP_R | -4.62 Match_R |
| Feature Match_L CL EP_R CivilGeometry CivilGeometry Offset -6.000 0.000 10.000 Considered bookstaring Elevation 387.11 386.96 386.75 CrossSectionGradebookstaring CrossSectionGradebookNExal Station: 59+00.000 -2.5% -2.5% CrossSectionGradebookVidexal Feature Match_L CL EP_R | -4.62 Match_R 15.93 |

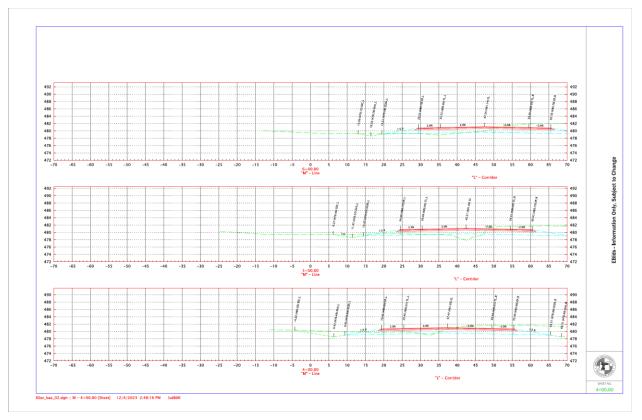
December 2023 V10 Workspace Changes

DGN Libraries

PSodot.dgnlib was modified to fix an issue with cross sections having rasterized PDFs and yellow elements not changing to black. Toggled off "Rasterized" and "3D" on the Main tab for the *Sheet_Xsections_11x17* print style.

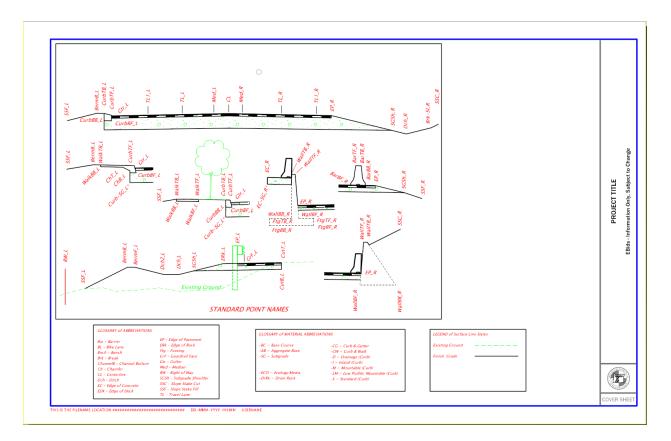
ODOT_All_Sheets.dgnlib was modified to create new XS sheet boundary seeds for EBids using a new vertical title block: *Ebids XS Inch 10, Ebids XS Inch 20* and *Ebids XS Inch 40*.

In **ODOT Labeler Text Favorites Text Styles Dimension Styles Elem Temp.dgnlib**, edited *XS Corridor Name* to use Civil Element Properties>Corridor>Horizontal Name. This will provide the name of the horizontal alignment used to define the corridor.



Seed

Seed2D - Sheet.dgn was modified to provide a new sheet model seed named *11x17 EBids XS Cover Sheet* and described as "Standard Point Names Drawing, Vertical XS Title Bar". A model can be added to a file containing cross section and printed with the sections.



Sheet Borders

ODOT_Title Block.dgn is a file that is only used by CAD Administrators to construct drawing boundaries. Created a new model named 000+00.00. The model contains 3 elements: all annotation cells: Border_B_Size_Sheet, EBids_XSecVerTitleBar, EBids_ShtNum (edited to insert a field to display the model property of Name).

November 2023 V10 Workspace Changes

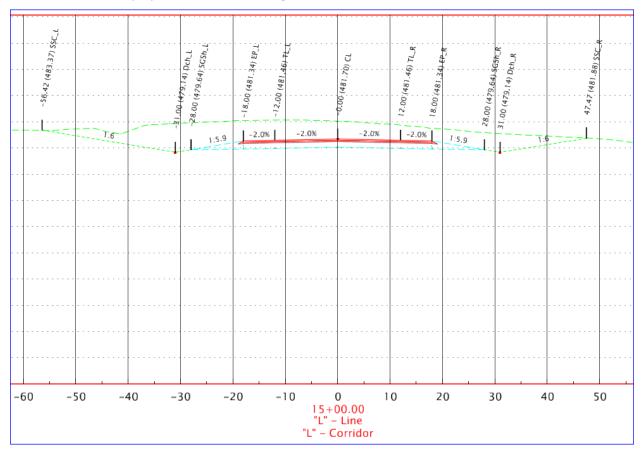
Cell Libraries

The following edits were made to **Bridge.cel**: removed the civil model so the file can be edited with OpenBridge Modeler and added 50% transparency to the fill in the *M_PipeBreakSolid* cell.

DGN Libraries

Modified **ODOT_Text Favorites_Text Styles_Dimension Styles.dgnlib** to make a behind-the-scenes edit to all "XS_" and "Alignment Name" text favorites to update the annotation group, responding to an annotation change in ORD version 10.10. In addition, renamed current text favorite *Alignment Name* to *XS Corridor Name* (because the name is pulled from the corridor CL linear feature), and edited the text favorite to display "alignment name" - Corridor. Also added a new *XS Alignment Name* annotation definition to display "alignment name" – Line when the alignment name is derived from the geometry.

Modified **ODOT_Features_Annotations_Levels_Elem Temp.dgnlib** to edit the cross section annotation groups and definitions so that the geometry alignment name is annotated from the alignment that is displayed at the 0 offset in the sections using the *XS Alignment Name* text favorite. This removes the requirement for having a corridor attached. If a corridor is attached, the alignment name associated with the corridor displays on its own line using the *XS Corridor Name* text favorite.



Also in **ODOT_Features_Annotations_Levels_Elem Temp.dgnlib**, changed two level names and descriptions to use Approach Slab instead of End Panel to align with a recent Bridge Design Manual change: *P_BR_SUPER_ApproachSlab* and *P_BR_SUPER_ApproachSlabHidden*. And changed two element

templates in *Bridge**Proposed**Superstructure* to use Approach Slab instead of End Panel to align with the recent Bridge Design Manual change: *Approach Slab* and *Approach Slab Hidden*.

In **ODOTRibbon.dgnlib**, on the ODOT Bridge ribbon workflow, removed the *Printing Tools* group because both the Print Organizer and Print tools are available on the Quick Access Toolbar. Updated the *ODOT Bridge>Superstructure>Approach Slab* and *Approach Slab Hidden* buttons to use the newly named *Approach Slab* and *Approach Slab Hidden* element templates.

Changes were made to **1_Roadway_Tables.dgnlib** to update the size of rows for the *RDWY_Const_Notes* table seed to match the note margin cell row spacing when used with a copy of the new seed file – Roadway_General_Construction_Notes.xlsx (see Seed section below).

Reports

The two grade verification reports, *ODOTTerr_GradeVerification_Report_HTML.xsl* and *ODOTTerr_GradeVerification_Out_Txt.xsl*, were updated to reverse the change to tolerances that had been made in September. Grade verification points are correctly compared construction tolerances where specified and to the vertical Construction Staking Tolerances found in the <u>Construction Surveying</u> <u>Manual for Contractors</u>.

TYPE A (GVPA): Using All ACP Courses vertical staking tolerance of +/- 0.02 ft (no specification for construction tolerance). Typically coded for GV shots on asphalt surfaces within the roadbed.

TYPE B (GVPB): Using Specification 00640.44 Aggregate Surface Tolerance "within 0.04 foot". Typically coded for GV shots on top of rock surfaces within the roadbed.

TYPE C (GVPC): Using Specification 00330.70 Subgrade "tolerance of plus or minus 0.06 foot". Typically coded for GV shots on subgrade surfaces within the roadbed.

TYPE D (GVPD): Using Wetland Mitigation Control Stakes vertical staking tolerance of +/- 0.20 ft (no specification for construction tolerance). Intended for GV shots on constructed surfaces outside the roadbed.

Seed

Added a new spreadsheet template Roadway_General_Construction_Notes.xlsx, described as

"Template for Linked Spreadsheet for Roadway General Construction Notes Table". Use this spreadsheet to create and manage construction notes that can be linked to the MicroStation table seed,

RDWY_Construction_Notes. The spreadsheet is included in the CAD_Resources\Seed folder in ProjectWise. Use the Document>New Document... command in the ProjectWise Explorer to create a

R_K#####_LnkDoc_cad_##.xlsx file in your project's 3_Base_Files folder. Open the spreadsheet with Excel and follow the instructions on the "Instruction Sheet" worksheet to create a worksheet of notes for each plan sheet.

