



FDOTConnect2024 Maintenance Release (MR) 1

Hot Fix 1 - October 2025 Release Notes

FDOTConnect 2024.01.01.00 Hot Fix October Release

FDOTConnect 2024.01.01.00 Hot Fix 1 October Release contains updates necessitated by changes to Design Standards, FDOT Design Manual (FDM), and the Basis of Estimates (BOE) as well as fixes and enhancements for the 2024 versions of Bentley Connect Edition Applications. The changes listed below were made since the MR 1 Maintenance Release in October of the FDOT software. Please see FDOT Support Software Versions for FDOTConnect2024

Application and Resource Changes

App or Resource Name	Files Updated	Notes
Summary Reports Manager	/Organization-Civil/FDOT/Apps/SummaryReportsManager/	Added Missing DLL's
Feature Definitions	/Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT_Item_Types.dgnlib	Added lift to Concrete Pavement item type for Slab Replacement calculation
Configuration Files	/Organization-Civil/FDOT.cfg /Organization-Civil/FDOT_Bridge.cfg /Organization-Civil/FDOT_MicroStation.cfg /Organization-Civil/FDOT_PS_Standards.cfg /Organization-Civil/FDOT_Roadway.cfg	Updated version number
Designer Interface Quantities Builder	/FDOTConnect2024/Organization-Civil/FDOT/Apps/DesignerInterfaceQuantitiesBuilder	Added Missing DLL files
Certified Text	/Organization-Civil/FDOT/Certified On.txt	Updated version number
Summary Reports Builder	/Organization-Civil/FDOT/Apps/SummaryReportsBuilder/	Added Missing DLL files

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Application Changes

App Name	Files Updated	Notes
Linked Data Manager	/FDOT/Apps/LDM/Fdot.LDM.RW.xml /FDOT/Apps/LDM/Fdot.LDM.Roadway.xml /FDOT/Apps/LDM/Fdot.LDM.Structures.xml	Updated to work with ProjectWise to find templates
Box Culvert Builder	/FDOT/Apps/BoxCulvertBuilder/Box Culvert Builder.pdf /FDOT/Apps/BoxCulvertBuilder/BoxCulvertBuilder.dll /FDOT/Apps/BoxCulvertBuilder/BoxCulvertBuilder.pdb /FDOT/Apps/BoxCulvertBuilder/ClosedXML.dll /FDOT/Apps/BoxCulvertBuilder/ClosedXML.pdb /FDOT/Apps/BoxCulvertBuilder/ClosedXML.xml /FDOT/Apps/BoxCulvertBuilder/DocumentFormat.OpenXml.dll /FDOT/Apps/BoxCulvertBuilder/DocumentFormat.OpenXml.xml /FDOT/Apps/BoxCulvertBuilder/ExcelNumberFormat.dll /FDOT/Apps/BoxCulvertBuilder/ExcelNumberFormat.xml Initial check-in Top of wingwall sloping correctly	Updated for 2024 release
Designer Interface Quantities Builder	/FDOT/Apps/DesignerInterfaceQuantitiesBuilder/DIQB.exe /FDOT/Apps/DesignerInterfaceQuantitiesBuilder/FDOT.CADD.Bentley.Connect.dll /FDOT/Apps/DesignerInterfaceQuantitiesBuilder/FDOT.CADD.Common.dll /FDOT/Apps/DesignerInterfaceQuantitiesBuilder/FDOT.CADD.Reports.dll	Updated for Connect 2024 Fixed issue where application was pointing at FDOTConnect2023 NOT FDOT2024 for finding SummaryReportDefinitions.xml file Updated File Version Removed unused references to FDOT.CADD.Civil3D.dll and FDOT.CADD.Bentley.Connect.dll
Geotechnical Tools	/FDOT/Apps/GeotechnicalTools/ORDGeotechnicalTools.dll /FDOT/Apps/GeotechnicalTools/ORDGeotechnicalTools.pdb	Added ability to label cross sections located in files that aren't the model file
Pay Item Editor	/FDOT/Apps/PayItemEditor/FDOT.CADD.Common.dll /FDOT/Apps/PayItemEditor/PayItemEditor.exe /FDOT/Apps/PayItemEditor/PayItemEditorCE.dll	Updated for Connect 2024 Updated File Version Updated references to FDOT.CADD.Common.dll
Quantity Takeoff Manager	/FDOT/Apps/QuantityTakeoffManager/FDOT.CADD.Bentley.Connect.dll /FDOT/Apps/QuantityTakeoffManager/FDOT.CADD.Common.dll /FDOT/Apps/QuantityTakeoffManager/FDOT.CADD.Reports.dll /FDOT/Apps/QuantityTakeoffManager/MSCTakeoffManager.dll /FDOT/Apps/QuantityTakeoffManager/SummaryReportsBuilder.exe	Updated for Connect 2024
Rebar	/FDOT/Apps/Rebar/Rebar.exe	Rebar v1.38 - Fixed a bug when using varies that would not output the N column

Sign Tool	/FDOT/Apps/SignTool/Fdot.Signs.xml	Added W13-1P Added 0700 3292 and 0700 3299 A spec signs. The other 6 A spec sign panels already existed
Summary Reports Builder	/FDOT/Apps/SummaryReportsBuilder/FDOT.CADD.Bentley.Connect.dll /FDOT/Apps/SummaryReportsBuilder/FDOT.CADD.Common.dll /FDOT/Apps/SummaryReportsBuilder/FDOT.CADD.Reports.dll /FDOT/Apps/SummaryReportsBuilder/SummaryReportsBuilder.exe	Updated for Connect 2024 Updated File Version Updated references to FDOT.CADD.Common.Core.dll and FDOT.CADD.Reports.dll Removed unused references to FDOT.CADD.Civil3D.dll and FDOT.CADD.Bentley.Connect.dll
Summary Reports Manager	/FDOT/Apps/SummaryReportsManager/FDOT.CADD.Common.dll /FDOT/Apps/SummaryReportsManager/FDOT.CADD.Reports.dll /FDOT/Apps/SummaryReportsManager/SummaryReportsManager.exe /FDOT/Apps/SummaryReportsManager/SummaryReportsManagerCE.dll	Updated for Connect 2024 Updated File Version Updated references to FDOT.CADD.Common.dll and FDOT.CADD.Reports.dll Removed unused DLLs
Workspace Doctor	/FDOT/Apps/WorkspaceDoctor/WorkspaceDoctor.exe /FDOT/Apps/WorkspaceDoctor/WorkspaceDoctor.htm /FDOT/Apps/WorkspaceDoctor/Images/Workspace Doctor.jpg	Updated UI Added Current Installed Software Resize and rename buttons Cleanup and document code Final build Updated for 2024 release Minor code updates
MDL Applications	/FDOT/Mdlapps/ClosedXML.dll /FDOT/Mdlapps/CoordinateSystemReporter.dll /FDOT/Mdlapps/ExcelNumberFormat.dll /FDOT/Mdlapps/ModelInfo.dll /FDOT/Mdlapps/FDOTVersion.exe /FDOT/Mdlapps/ModelNavigator.dll /FDOT/Mdlapps/StandardsLevelUI.dll /FDOT/Mdlapps/AlignmentFPIDTagger.dll /FDOT/Mdlapps/AlignmentFPIDTagger.dll.config /FDOT/Mdlapps/EPPlus.dll /FDOT/Mdlapps/System.IO.Packaging.dll	Updated to ClosedXML v96 Make single use app New application Model Navigator added to speed up navigation between models Checks for disabled level variables before running instead of after inputting required information Initial check-in of Alignment FPID Tagger

Resource Changes

Resource Name	Files Updated	Notes
Bridge Templates	/FDOT/Bridge Templates/templates.xml	Removed obsolete deck templates, renumbered deck point for consistency
Cells	/FDOT/Cell/fdotcells_Roadway.htm /FDOT/Cell/Structures2D.cel /FDOT/Cell/geotech.cel /FDOT/Cell/Mutcd.cel /FDOT/Cell/Signalization.cel	Updated link to ITS cells webpage Added Symbol-Breakline_Masked to Structures cell library Switched Season High Water & 0-hour symbols to match FDM example in Geotech cell library

		Added W13-1P to MUTCD cell library Resize Loops in Signalization cell library
Configuration Files	/FDOT.cfg /FDOT_Bridge.cfg /FDOT_MicroStation.cfg /FDOT_Roadway.cfg /FDOT_PS_Standards.cfg	Added ITEMTYPE_LOOKUP for Workset-specific lookup tables Added BoxCulvertBuilder to MS_ADDINPATH Edit line 310 to remove = sign Updated for AutoTurn 2025 version Updating version and certified for release date
Structures Data Tables	/FDOT/Data Templates/Structures/eng_data/STR_StandardDataTables.xlsx	Copied moved instructions for non-standard tables to instructions tab
EQR Signature File	/FDOT/Data Templates/Calculations/EQRSignature.xlsx	Change "Contract Number" to "Construction Contract Number" for clarification Update note 1 to match latest FDM Figure 902.2.1 Updating to match latest F.A.C. Rule 61G15-23.004 language
Feature Definitions	/FDOT/Dgnlib/Feature Definitions/FDOT_Standards_Features_Labels_Text_Dimensions.dgnlib	Updated to latest level standards Added new Dimension Styles: "FDOT Structures Arc Length" and "FDOT Structures Elevations" Fix spelling error on 2 structures dimension style names DecorBeamOutline(2D) linestyle changed from 0 (continuous) to 3 (long dash) Added FDOTStructures_ProStructures dimensionstyle Update elevation Text Favorites for consistency Remove High and Low Point Profile Annotations from default Profile Annotation Group (not required by FDM)
Ribbon and GUI	/FDOT/Dgnlib/GUI/FDOT_OBM_RIBBON_TAB.dgnlib /FDOT/Dgnlib/GUI/FDOTtoolboxes.dgnlib /FDOT/Dgnlib/GUI/FDOT_RIBBON_TAB.dgnlib /FDOT/Dgnlib/GUI/FDOT_AUTOTURN_RIBBON_TAB.dgnlib /FDOT/Dgnlib/GUI/FDOT_PROSTRUCTURES.dgnlib	Add Box Culvert Builder (BETA) button to ribbon Add icon and button for new Model Navigator application Updating outdated FDOT Web Links Adding "Redraw Rebar," "Redraw Detail," and "Undo Rebar" buttons on the Concrete > Drawing Production > 2D Rebar Workflow
Structures Sheet Seeds	/FDOT/Dgnlib/Sheet Seeds_OBM/FDOT_DRAWINGSEED_OBM.dgnlib	Added drawing seeds for ProStructures

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Application Changes

App Name	Files Updated	Notes
FDOTConnect2024 Applications	/Organization-Civil/	All tools and applications updated and/or recompiled for 2024 schema and compatibility
QCInspector	/Organization-Civil/FDOT/Apps/ustnQCInspector/CONNECTQCInspector.dll	Added message to not run QCProject from file within the project that is being QC'd
Workspace Doctor	/Organization-Civil/FDOT/Apps/WorkspaceDoctor/Images/Workspace Doctor.jpg /Organization-Civil/FDOT/Apps/WorkspaceDoctor/WorkspaceDoctor.exe	Minor correction Edited Version number Fix Configuration Button ToolTip Moved the Configure button Rearrange UI
Geotechnical Tools	/Organization-Civil/FDOT/Apps/GeotechnicalTools/Bentley.Interop.MicroStationDGN.dll /Organization-Civil/FDOT/Apps/GeotechnicalTools/Interop.MicroStationDGN.dll /Organization-Civil/FDOT/Apps/GeotechnicalTools/ORDGeotechnicalTools.dll /Organization-Civil/FDOT/Apps/GeotechnicalTools/ORDGeotechnicalTools.pdb	Added ability to name elements groups to be used for creating named boundaries by group instead of event point list. Fixed issue where stratum with no data input would plot boreholeid instead of empty label in cross section.
Rebar	/Organization-Civil/FDOT/Apps/Rebar/Rebar.exe	Rebar v1.35 - Changed all lettering to be capitals. Fixed bug where on creating the list of cards the program generates/stores extra empty rows. Changed SETS to SET if it's 1 and SETS if it's greater than 1.
Sign Tool	/Organization-Civil/FDOT/Apps/SignTool/FDOTORDSigns.dll	1) Recompiled/Configured for ORD 2024. 2) Panel Only Labels - the panel label command will now include both payitem and station. The label options for the these must be checked and the Assembly must be placed with the structure type = Panel Only. These new options will be ignored by panel label command if the structure type is not Panel Only. 3) Move panel or post with gg off was not redrawing the connector - fixed for in this build 4) PayItem number and description flip - fixed previously, but not sure you got the update. Fixed in this build. 5) Payitem does not change when post is changed - this works. Change the post or type a new payitem. Replace the panel(s) and post. Use properties to review post item type shows new payitem. 6) Refactor and Clean-up - with this build we have [a] made changes to the project and code to remove unused namespaces, [b] clean up unused projects (C3D is now Core and a separate solution), [c] move utilities replicated in PMT, Signals, and PBG to our FDOT Common libraries. [d] moved shared classes (between C3D and ORD) to ORD project. 7) Per recent emails from this week - evaluated Preview bug to ensure item types are attached (but not visible) on nested cells. Posted question to communities. I might need Michael to submit a ticket if we don't get a response by the end of the week. I don't consider this a something that should hold delivery.

Resource Changes

Resource Name	Files Updated	Notes
FDOTConnect2024 Resources	/Organization-Civil/	All resources, DGNLIBs, GUIs, and Cell Libraries updated for compatibility with 2024 Schema
ProjectWise Configuration Files	/Workspaces/FDOT/_PWSetup/WorkAreaPWSetup_Predefined_FDOT_2323.cfg /Workspaces/FDOT/_PWSetup/WorkspacePWSetup_FindByExists_Predefined_FDOT_2023.cfg /Workspaces/FDOT/_PWSetup/WorkspacePWSetup_FindByNest_Predefined_FDOT_2023.cfg /Workspaces/FDOT/_PWSetup/WorkspacePWSetup_Predefined_FDOT_2023.cfg	Removed 2023 configuration
Ribbon and Interface	/Organization-Civil/FDOT/Dgnlib/GUI/FDOT_OBM_RIBBON_TAB.dgnlib /Organization-Civil/FDOT/Dgnlib/GUI/FDOTtoolboxes.dgnlib /Organization-Civil/FDOT/Dgnlib/GUI/FDOT_RIBBON_TAB.dgnlib	updating "Explore Directories" for 2024 adding "Rebar Tools" button group to ribbon adding icons for "Rebar Tools" button group
Sign Tool Resources	/Organization-Civil/FDOT/Apps/SignTool/Fdot.Signs.xml	Revised S4-3P to 24x9 Added missing Warning Signs w3-9, W4-7R, W5-2A, W9-5, W9-5A, W10-16, W10-21, W10-21AP, W13-8 L&R, W13-9 L&R, W13-10 L&R, W13-11 L&R, W13-12 L&R, W13-13 L&R, W16-19P, W16-21P
CADD Standards Data	/Organization-Civil/FDOT/StandardsData/CADDStandardsLookup.xml /Organization-Civil/FDOT/StandardsData/CADDStandards.xml	Added Text levels for Profiles to structures rule Added FDOT_Substructure_Parametric_Templates.dgn to Structures rule. Added following levels to Structures rule: • DeckTopSurface • ApproachSlabTopSurface • DecorBearingLabel • DecorBeamOutline(2D) • DecorExcavation(2D) • DecorCheekWall(2D) • DecorAppSlabRefLineText(2D) • DecorAppSlabOutline(2D) Moved SPLYIT*.dgn from planrd rule to itssp rule
Macros	/Organization-Civil/FDOT/Macros/ViewSet Readme.txt /Organization-Civil/FDOT/Macros/ViewSet.mvba	updating from Bentley delivered files
MUTCD Cell Library	/Organization-Civil/FDOT/Cell/Mutcd.cel	Added missing Warning Signs w3-9, W4-7R, W5-2A, W9-5, W9-5A, W10-16, W10-21, W10-21AP, W13-8 L&R, W13-9 L&R, W13-10 L&R, W13-11 L&R, W13-12 L&R, W13-13 L&R, W16-19P, W16-21P
Certified Text	/Certified On.txt	updating Bentley versions
Configuration	/Organization-Civil/FDOT.cfg	Added LDM_TEMPLATES variables for ProjectWise compatibility

LDM Templates	/ Organization-Civil/FDOT/Apps/LDM/Templates/Roadway/DOCX/*.docx / Organization-Civil/FDOT/Apps/LDM/Templates/Roadway/*.txt / Organization-Civil/FDOT/Apps/LDM/Templates/Roadway/TXT/*.txt / Organization-Civil/FDOT/Apps/LDM/Templates/RW/*.txt / Organization-Civil/FDOT/Apps/LDM/Templates/RW/TXT/*.txt / Organization-Civil/FDOT/Apps/LDM/Templates/Roadway/*.xls / Organization-Civil/FDOT/Apps/LDM/Templates/Roadway/*.xlsx / Organization-Civil/FDOT/Apps/LDM/Templates/Roadway/XLSX/Sheets/*.xlsx / Organization-Civil/FDOT/Apps/LDM/Templates/RW/*.xls / Organization-Civil/FDOT/Apps/LDM/Templates/RW/*.xlsx / Organization-Civil/FDOT/Apps/LDM/Templates/RW/XLSX/*.xlsx / Organization-Civil/FDOT/Apps/LDM/Templates/Structures/*.txt	Moving for ProjectWise Compatibility
Feature Definitions	/ Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT_Standards_Features_Labels_Text_Dimensions.dgnlib	Added levels: • DeckTopSurface • ApproachSlabTopSurface • DecorBearingLabel • DecorBeamOutline(2D) • DecorExcavation(2D) • DecorCheekWall(2D) • DecorAppSlabRefLineText(2D) • DecorAppSlabOutline(2D)
Feature Definitions	/ Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT_Drainage_And_Uilities.dgnlib / Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT_Standards_Features_Labels_Text_Dimensions.dgnlib / Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT_OBM_Standards_Features_TextFavorites_Labels_Tables.dgnlib	Added element templates, feature symbology, and feature definitions for: DeckTopSurface, AppSlabTopSurface, BeamOutline, etc. Add civil labels: CL Const. Alignment name, BL Const. Alignment Name, Station-Offset_TerrainElevation, Intersecting alignment stations. Added table seeds: FUB build up & deflections, table of beam variables, bearing plate info Corrected symbology for DecorBeamOutline(2D) (new level so no issues with updating) Added Annotation Groups, Annotation and Label Definitions and Item Types.
Display Styles	/ Organization-Civil/FDOT/Dgnlib/Display Styles/FDOT Display Styles.dgnlib	Added display style for rebar modeling
Preference Seeds	/ Organization-Civil/FDOT/Preference Seeds/FDOT_MS_PopupMenu.dgnlib / Organization-Civil/FDOT/Preference Seeds/FDOT_OBM_PopupMenu.dgnlib	Added tools to the pop-up menu
Bridge Configuration	/ Organization-Civil/FDOT_Bridge.cfg	Added OBM_GENERATE_TOP_SURFACE_MODEL = 1 in order to generate top surface of deck and app slabs. Added OBM_CLIP_BEAM_SEATS = 1. Added OBM_STEPCAP_BEARING_SEAT_WIDTH_OFFSET= to allow users to specify this
Microstation Configuration	/ Organization-Civil/FDOT_MicroStation.cfg	Added variable to call the new MS_PopupMenu.dgnlib

Asset Manager Resources	/Organization-Civil/FDOT/Asset Manager/Asset Management Lookup.xlsx /Organization-Civil/FDOT/Asset Manager/EQRSignature.xlsx /Organization-Civil/FDOT/Asset Manager/AECMERGE.XML /Organization-Civil/FDOT/Asset Manager/SummaryReportDefinitions.xml	All updates done as of 12/30/24 change "Contract Number" to "Construction Contract Number" for clarification Added columns for Structure Type and Index Number to the end of the columns in the spreadsheet.
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