FDOTConnect 10.10 July 2022 Release Notes

FDOTConnect 10.10.02.00 Maintenance Release 2 (MR2)

FDOTConnect 10.10.02.00 July 2022 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 10.10 versions of Bentley Connect Edition Applications. The changes listed below were made since the last maintenance release of the 10.10.01.00 version of the FDOT software.

Application Changes

App Name	Files Updated	Notes
Reference Checker	/Organization-Civil/FDOT/mdlapps/ProjectSubmittalReferenceChecker.dll	Initial Check-In
On File Open	/Organization-Civil/FDOT/mdlapps/FDOT.OnFileOpen.dll	Added note concerning the Geotechnical folder in the current workset. Added Professionals.xlsx to the Data folder Added STR_StandardDataTables.xlsx to the Eng_Data folder Added Professionals back in
Workspace Doctor	/Organization-Civil/FDOT/Apps/WorkspaceDoctor/WorkspaceDoctor.exe	Redo User Interface and Text Help buttons Added a new button for Versions
Quantity TakeOff Manager	/Organization-Civil/FDOT/Apps/QuantityTakeoffManager/FDOT.CADD.Reports.dll /Organization-Civil/FDOT/Apps/QuantityTakeoffManager/MSCETakeoffManager.dll /Organization-Civil/FDOT/Apps/QuantityTakeoffManager/FDOT.CADD.Bentley.Connect.dll /Organization-Civil/FDOT/Apps/QuantityTakeoffManager/FDOT.CADD.Reports.dll /Organization-Civil/FDOT/Apps/QuantityTakeoffManager/MSCETakeoffManager.dll /Organization-Civil/FDOT/Apps/QuantityTakeoffManager/SummaryReportsBuilder.exe	Updated with Mike's fix for issues with elements parallel to alingment not showing correct Begin and End Stations Updated FDOT.CADD.Reports.dll to read and write Excel report files to and from single sheet Updated with Mike's fix for issues with elements perpendicular to alignment not showing correct Begin and End Stations for LineStrings Added processing for Lump Sum and Secondary Quantities

| Sign Tool | /Organization-Civil/FDOT/Apps/SignTool/Fdot.Signs.xml
/Organization-Civil/FDOT/Apps/SignTool/FDOTORDSigns.dll | I changed the path for the guide signs and sign assembly browse paths so that they would not try to use the workspace path as prefix. I also changed the browse path used in the open saved sign assemblies dialog to match the path used in the settings dialog. They were different but should have been the same. Should be less confusing moving forward.
I also shifted the position on the Settings tab so that paths that need to be fully specified are on top, and those that use the workspace path are on the bottom…
Issue 625 - None option on alignment combobox.
Adding the None option to the Alignment combo for Signs means that when placing a sign or post, we can't rely on knowing the alignment before placing as was the case with previous versions. Also the rotation mode Relative requires the user first select a rotation element even though we don't want the alignment. So, there are 4 possible scenarios.
None - Relative >> In this case the program does not know which element to rotate about, so the user must first select the alignment. The alignment is not saved to properties.
Alignment - Relative >> Works like it did in previous versions. The alignment is already identified so the user does not need to select it. Alignment name is saved as a property.
None - Absolute >> User places assembly panels and post anywhere. Alignment name is not saved.
Alignment - Absolute >> Alignment is already selected. User can place the panels and posts anywhere and the alignment name is saved.
Issue 640 - Relative rotation not finding alignments in reference file
Issue 641 - Copy command does not rotate assemblies
Both of these have the same root cause. Alignments are located using the OpenRoads Alignment API. We save the located ID so we can use it again when placing panels and posts. Signs will search the active model and all references to look for the alignment using this ID. But the ID only has to be unique per model. So other models could use the same ID for another element. In our case, the Survey model from the training dataset had an element with the same ID as our alignment. So, when the program searches the models for the alignment it found the non-alignment element from the survey model instead. Since this was not an alignment the panels and post would not rotate.
To fix this, I added some logic to also check that the element found was a complex linear element. If it's not, the program will move to the next reference (like the alignment model) and search it. This seems to work well for both placement and copy commands.
Other Changes
618 Alignments in nested ref not found
626 Alignment combo tooltip color
627 Levels not set causes crash
634 Disable size combo
635 Add Payitem tooltip is unreadable
632 Test for spaces in assembly name.
645 Browse to workspace locations
647 Place Post is not Graphically Grouped to Assembly
620 Extra Dashes in Description |

		changed name of w04-01r to test modified names so they will preview in the warning category deleted obsolete panels from xml deleted panels that don't exist in the mutcd cell file deleted panels that don't exist in the mutcd cell fileaudited missing sign panels and either added or edited panel names so they will show up in the sign tool deleted the digit description in the panel names so the label does not include the number of digits of route markers
Designer Interface	/Organization-Civil/FDOT/Apps/DesignerInterfaceQuantitiesBuilder/FDOT.CADD.Bentley.Connect.dll /Organization-Civil/FDOT/Apps/DesignerInterfaceQuantitiesBuilder/DIQB.exe /Organization-Civil/FDOT/Apps/DesignerInterfaceQuantitiesBuilder/FDOT.CADD.Reports.dll	Updated FDOT.CADD.Reports.dll to read and write Excel report files to and from single sheet Updated FDOT.CADD.Reports.dll
Summary Reports Builder	/Organization-Civil/FDOT/Apps/SummaryReportsBuilder/FDOT.CADD.Bentley.Connect.dll /Organization-Civil/FDOT/Apps/SummaryReportsBuilder/FDOT.CADD.Reports.dll /Organization-Civil/FDOT/Apps/SummaryReportsBuilder/SummaryReportsBuilder.exe	Updated FDOT.CADD.Reports.dll to read and write Excel report files to and from single sheet Added processing for Lump Sum and Secondary Quantities
OBM Quantity Reports	/Organization-Civil/FDOT/Apps/OBMQuantityReportsConverter/FDOT.CADD.Reports.dll /Organization-Civil/FDOT/Apps/OBMQuantityReportsConverter/OBMQuantityReportsConverter.dll	Updated FDOT.CADD.Reports.dll to read and write Excel report files to and from single sheet

QC Inspector	/Organization-Civil/FDOT/Apps/ustnQCInspector/CONNECTQCInspector.dll /Organization-Civil/FDOT/Apps/ustnQCInspector/FDOT.CADD.Standards.dll /Organization-Civil/FDOT/Apps/ustnQCInspector/QCReportData.dll /Organization-Civil/FDOT/Apps/ustnQCInspector/CONNECTQCInspector.dll /Organization-Civil/FDOT/Apps/ustnQCInspector/FDOT.CADD.Bentley.Connect.dll	Updated to handle "W#" filemask for Walls QCProject allows for scanning discipline folders, not just Project folders. Report is created in either the _meta_info folder for projects or the eng_data folder for disciplines. The discipline reports are names QCProjectReport-DISCIPLINE.txt Suppressed error message about Bad LineStyle.
Create File	/Organization-Civil/FDOT/Apps/CreateFile/FDOT.CADD.Common.CreateFileGUI.dll /Organization-Civil/FDOT/Apps/CreateFile/FDOT.CADD.Common.dll /Organization-Civil/FDOT/Apps/CreateFile/FDOT.CADD.Standards.dll /Organization-Civil/FDOT/Apps/CreateFile/Microsoft.WindowsAPICodePack.Shell.dll /Organization-Civil/FDOT/Apps/CreateFile/Microsoft.WindowsAPICodePack.dll	Updated to handle "W#" filemask for Walls Updated standards dll to account for "W#" wall filenames
Geotech Tools	/Organization-Civil/FDOT/Apps/GeotechnicalTools/Interop.MicroStationDGN.dll /Organization-Civil/FDOT/Apps/GeotechnicalTools/ORDGeotechnicalTools.dll.config /Organization-Civil/FDOT/Apps/GeotechnicalTools/ORDGeotechnicalTools.pdb /Organization-Civil/FDOT/Apps/GeotechnicalTools/ORDGeotechnicalTools.dll	MessageBox added to show when named boundary adjustment is complete XSection borehole labels and water table cells being placed. Section label text level set

Planset Manager	/Organization-Civil/FDOT/Apps/PlanSetManager/PlanSetManager.dll.config /Organization-Civil/FDOT/Apps/PlanSetManager/FDOT.CADD.Bentley.Connect.dll /Organization-Civil/FDOT/Apps/PlanSetManager/FDOT.CADD.Common.dll /Organization-Civil/FDOT/Apps/PlanSetManager/FDOT.CADD.Reports.dll /Organization-Civil/FDOT/Apps/PlanSetManager/PlanSetManager.dll /Organization-Civil/FDOT/Apps/PlanSetManager/PlanSetManager.pdb /Organization-Civil/FDOT/Apps/PlanSetManager/SheetInfo.dll /Organization-Civil/FDOT/Apps/PlanSetManager/SheetInfo.pdb /Organization-Civil/FDOT/Apps/PlanSetManager/ /Organization-Civil/FDOT/Apps/PlanSetManager/BouncyCastle.Crypto.dll /Organization-Civil/FDOT/Apps/PlanSetManager/BouncyCastle.Crypto.xml /Organization-Civil/FDOT/Apps/PlanSetManager/ClosedXML.dll /Organization-Civil/FDOT/Apps/PlanSetManager/ClosedXML.pdb /Organization-Civil/FDOT/Apps/PlanSetManager/ClosedXML.xml /Organization-Civil/FDOT/Apps/PlanSetManager/DgnDisplayCSUI2.dll /Organization-Civil/FDOT/Apps/PlanSetManager/DgnDisplayUI2.dll /Organization-Civil/FDOT/Apps/PlanSetManager/DocumentFormat.OpenXml.dll /Organization-Civil/FDOT/Apps/PlanSetManager/SheetInfo.dll.config /Organization-Civil/FDOT/Apps/PlanSetManager/itext.barcodes.dll /Organization-Civil/FDOT/Apps/PlanSetManager/itext.barcodes.xml /Organization-Civil/FDOT/Apps/PlanSetManager/itext.commons.dll /Organization-Civil/FDOT/Apps/PlanSetManager/itext.commons.xml /Organization-Civil/FDOT/Apps/PlanSetManager/itext.forms.dll /Organization-Civil/FDOT/Apps/PlanSetManager/itext.forms.xml /Organization-Civil/FDOT/Apps/PlanSetManager/itext.io.dll /Organization-Civil/FDOT/Apps/PlanSetManager/itext.io.xml /Organization-Civil/FDOT/Apps/PlanSetManager/itext.kernel.dll /Organization-Civil/FDOT/Apps/PlanSetManager/itext.kernel.xml /Organization-Civil/FDOT/Apps/PlanSetManager/itext.layout.dll /Organization-Civil/FDOT/Apps/PlanSetManager/itext.layout.xml /Organization-Civil/FDOT/Apps/PlanSetManager/itext.pdfa.dll /Organization-Civil/FDOT/Apps/PlanSetManager/itext.pdfa.xml /Organization-Civil/FDOT/Apps/PlanSetManager/itext.sign.dll /Organization-Civil/FDOT/Apps/PlanSetManager/itext.sign.xml /Organization-Civil/FDOT/Apps/PlanSetManager/itext.styledxmlparser.dll /Organization-Civil/FDOT/Apps/PlanSetManager/itext.styledxmlparser.xml /Organization-Civil/FDOT/Apps/PlanSetManager/itext.svg.dll /Organization-Civil/FDOT/Apps/PlanSetManager/itext.svg.xml	Initial Checkin Changed location looking for Professionals.xlsx from : C:\FDOTConnect10.10\Workspaces\FDOT\Standards\Template Library to C:\FDOTConnect10.10\Workspaces\FDOT\Standards\Data Fixed issue bulk updater not updating Project, Professional, or Bridge info (Sheet number & title working) Beta build for class demonstration Updated to sort counties by name Fixed saved file import not updating all model properties
Signals Tool	/Organization-Civil/FDOT/Apps/Signals/Signals.dll	fixed the properties issue with certain items

Asset Manager	/Organization-Civil/FDOT/Asset Manager/MasterSummaryReport.xlsx /Organization-Civil/FDOT/Asset Manager/AECMERGE.XML /Organization-Civil/FDOT/Asset Manager/Asset Management Lookup.xlsx /Organization-Civil/FDOT/Asset Manager/SummaryReportDefinitions.xml	Added IsLumpSum column and marked corresponding appropriate pay items as true for Clearing and Grubbing. Added pay items for automation of Summary of Clearing and Grubbing and Removal Items. Added materials to Str lookup to correspond to OBM materials list. Added item for 0710 12290 Painted Pavement Markings, Durable Paint, Yellow, Island Nose Added to Summary of Drainage: 0430530400 0430548130 0430548230 Added to Summary of S&PM: 0710 12231, 0710 12290, 0710 12421 Changed borders to remove 60 row limit to correspond to QTM generating all quantities in Sheet1.
Rebar	/Organization-Civil/FDOT/Apps/Rebar/Rebar.exe	Rebar 1.15 - Added import .prn files (Mathcad BoxCulvert Program) and .inp files (Legacy Rebar Program). Rebar v1.16 - Made a change based on SDO. They changed the standard to clearly say that all fractions should round to the nearest 1/4 inch and not up to the nearest 1/4 inch. Rebar v1.17 - Fixed a bug where the report was outputting 0 when it should be outputting a blank.
Linked Data Manager	/Organization-Civil/FDOT/Apps/LDM/Templates/Roadway/TXT/GeneralNotes.txt	updated to match Word doc and FDM 914
Replace Cells	/Organization-Civil/FDOT/mdlapps/FDOTReplaceCells.dll	Replaces one or all the border cells in a single file or a group of cells Repair reload event and Added ToolTips added the Structures/Roadway border
Pavement Marking Tool	/Organization-Civil/FDOT/Apps/Pavement Marking/PavementMarkingTool.ORD.dll	RPM combo boxes are hidden Text Style combo box added to striping dialog for stripe label control. Changed the point display labels with textblock elements so that the tooltips would display. other cosmetic changes related to dialog controls (positions, justifications, etc). Pavement Markings 124 - Normalize Alignment Controls - make same 134 - Alignment assoc does not stick 158 - remove assoc alignment checkbox
Place Cell Group	/Organization-Civil/FDOT/Apps/PlaceCellGroup/PlaceCellGroupORD.dll	88 - Normalize Alignment Controls - make same for all programs 101 - remove assoc alignment checkbox 102 - Validate alignment assignment 107 - Enable Light Pole Item Types
Misc Tools	/Organization-Civil/FDOT/mdlapps/InsertBorder.dll /Organization-Civil/FDOT/mdlapps/CellSplatter.dll /Organization-Civil/FDOT/mdlapps/ClosedXML.dll /Organization-Civil/FDOT/mdlapps/CoordinateSystemReporter.dll /Organization-Civil/FDOT/mdlapps/DocumentFormat.OpenXml.dll /Organization-Civil/FDOT/mdlapps/ModelInfo.dll	Initital checkin Updated with current version.
Project Validator	/Organization-Civil/FDOT/Apps/ProjectValidator/ProjectValidator.exe	Project Validator v1.16 - Fixed a couple bugs surrounding the new feature of using all qcprojectreport files. Project Validator v1.16 - Updated to allow any number of qcprojectreport files throughout the project folder (within _meta_info folder or eng_data folders).

Resource Changes

Resource Name	Files Updated	Notes
Feature Definitions	/Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT_Text Favorites_Text Styles_Dimension Styles.dgnlib /Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT_OBM_Item_Types.dgnlib /Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT OBM Labels.xml /Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT_OBM_Standards_Features.dgnlib /Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT_Item_Types.dgnlib /Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT_Standards_Features.dgnlib /Organization-Civil/FDOT/Dgnlib/Feature Definitions/FDOT Labels.xml	Fixed defect in 2D ROW Mapping features WEDG and WEDGE annotation groups Updated default values for SheetInfo data Added FDOTSheetInfo Item Type Library to handle border cel properties. Added item type property to ClearingGrubbing for IsLumpSum. Added property to LitterRemoval and Mowing for ConstPhase. Updated pavement marking line styles added existing fence to xs annotation groups adding proposed fence to xs annotation groups Updated item types to use materials to look up pay items using updated materials list and lookup tables. Revised ROW Parcel Features to add curve colors, adjusted level colors, line styles and weights. Corrected SubDivLine level to zero.Changes from Steve Tissier: - fixed text style issue on App Slab Ref Line - fixed spelling error on "structurral misc" element template - removed end bent & int bent column & footing: element templates, feature symbologies, & feature definitions as they are not needed - added element templates, feature symbologies, & feature definitions for: cheek walls, wing walls, wing wall footings, & wing wall pile - fixed default orientation to view horizontal on all labels - added table seeds for most structures standard data tables - updated sheet index report to only show sheet number and sheet title infoadded UnsuitableMaterial_ex level. Added feature definitions, symbologies, and element templates for Unsuitable Material terrains (top and bottom) and for Subsoil Excavation terrain Added Level RWParcelEaseExist and Feature RWP_ESMT_EXIST, along with associated element templates, symbology and annotation group.create Element Templates "Text Label Begin" and "Text Label End" for use with Begin/End Civil Labeler tool updating Begin/End Plan labels with new Begin/End Element Templatesadded element template for GuardrailPost_pm and changed symbology to point to it Corrected item type material references for abutment and pier cheekwalls. Added item type for traffic railings/barriers to barrier features.

		Added deck properties item type to all the approach slab features (in Deck and Approach). Added Approach Slabs Item Type for separate Approach Slab Feature (did not work with Deck Properties). Added Approach Slabs to report definition for quantities processing. Corrected level color - RWDeedCall to color 6. adding 1" = 20' special profile annotation group revise minor vertical grid settings for 20_2 profile annotation group

Ribbon and GUI	/Organization-Civil/FDOT/Dgnlib/GUI/FDOT_RIBBON_TAB.dgnlib /Organization-Civil/FDOT/Dgnlib/GUI/FDOTtoolboxes.dgnlib	add Lighting and ITS place-holder buttons to Traffic Design ribbon group removing Traffic Control and Plans from the Cell Libraries drop-down removed Lighting and ITS place-holder buttons reverting back to retrieve Traffic Design tools button adding Project URL context menu item to TYPDRD file name adding icons for plan set manager added Plan Set Manager to FDOT config file and created buttons on FDOT tab removed "Signals" and "Signal Poles" from cell libraries drop-down list removed workspace doctor, added county maps link, revised YouTube video link add geotech buttons for ôAdjust Geotech Name Boundariesö & ôGeotech XSection Labelerö reorg Geotechnical Group add Bentley Primary Group to FDOT tab removed Cell Splatter and Cell Search added new FDOT Cells tool to Cell Applications group added "Replace Border" to Misc Tools drop-down list adding icon and button, to QA group, for Coordinate System Reporter revising Quality Assurance group to include Reference Checker and GCS Reporter deleted Reference Checker from Misc. Tools list
Planset Manager Resources	/Workspaces/FDOT/Standards/Data/Professionals.xlsx	PlanSetManager support file that contains list of Professionals used in the PSM Gui.
Template Library	/Organization-Civil/FDOT/Template Library/CIVIL FDOT ORD.itl	updated some existing feature definitions that were missed in the last update fixed some existing features templates, added driveway w tie down template Fixed Driveway Tiedown to ROW Template and Driveway Tiedown template for Civil Cell
Standards Data	/Organization-Civil/FDOT/StandardsData/PayitemDB.xml	rebuild payitemdb file due to it quit working as expected removed obsolete date rpm'sDeleted PayitemDB.xml
Preferences	/Organization-Civil/FDOT/Preference Seeds/FDOT.explorer-settings.xml /Organization-Civil/FDOT/Preference Seeds/FDOT.RibbonState_Seed.xml /Organization-Civil/FDOT/Preference Seeds/FDOT.docking_Seed.xml /Organization-Civil/FDOT/Preference Seeds/FDOT_Preferences.spf	Turn of Visibility for Explorer stopped Explorer and Properties dialogs from launching by Default
Data Templates	/Organization-Civil/FDOT/Data Templates/Structures/eng_data/STR_StandardDataTables.xlsx /Organization-Civil/FDOT/Data Templates/Structures/eng_data /Organization-Civil/FDOT/Data Templates/Structures /Organization-Civil/FDOT/Data Templates/Professionals.xlsx	redirect location Added new folder for structures table templates excel file Added new folder for structures table templates excel file. Added new excel file that has most of the standard structures data tables in it.

| Reports | /Organization-Civil/FDOT/Reports_ORD/StationOffset/FDOT_NameDescStationOffsetPoints_For_Annotation.xsl
/Organization-Civil/FDOT/Reports_ORD/CorridorModeling/FDOT_Depths.xsl
/Organization-Civil/FDOT/Reports_ORD/CorridorModeling/FDOT_Existing1LaneSlope.xsl
/Organization-Civil/FDOT/Reports_ORD/CorridorModeling/FDOT_Existing1LaneSlopeSHLDR.xsl
/Organization-Civil/FDOT/Reports_ORD/CorridorModeling/FDOT_Existing2-8LaneSlopes.xsl
/Organization-Civil/FDOT/Reports_ORD/CorridorModeling/FDOT_Existing2-8LaneWidths.xsl
/Organization-Civil/FDOT/Reports_ORD/CorridorModeling/FDOT_ProposedSlopes.xsl
/Organization-Civil/FDOT/Reports_ORD/CorridorModeling/FDOT_VolumesToCSV.xsl
/Organization-Civil/FDOT/Reports_ORD/CivilGeometry/FDOT_CoordinateDataTable.xsl
/Organization-Civil/FDOT/Reports_ORD/CivilGeometry/FDOT_CurveDataTable.xsl
/Organization-Civil/FDOT/Reports_ORD/Superelevation/FDOT_SuperelevationToCSV.xsl
/Organization-Civil/FDOT/Reports_ORD/CorridorModeling/DepthsPointNames.xml
/Organization-Civil/FDOT/Reports_ORD/CorridorModeling/ProposedSlopesPointNames.xml | replacing with latest version from 10.09 that had fixed xslResourceDirectory variable
these files were moved in 10.09 |
| Report Resources | /WorkSets/0_WORKSET_TEMPLATE/Symbology/Reports Resources/ | Missing Reports resources since update from 10.09 |

Cells	/Organization-Civil/FDOT/Cell/Sheets.cel	rescale cells
	/Organization-Civil/FDOT/Cell/Mutcd.cel	Updated the following cels to handle Plan Set Manager properties:
	/Organization-Civil/FDOT/Cell/Profile Annotation.cel	11x17 Sheet Border
	/Organization-Civil/FDOT/Cell/row.cel	24x36 Sheet Border
	/Organization-Civil/FDOT/Cell/DrainXS.htm	36x48 Sheet Border
	/Organization-Civil/FDOT/Cell/Landscape.htm	36x72 Sheet Border
	/Organization-Civil/FDOT/Cell/Mutcd_ObjectMarkers.htm	Following cels added to support Plan Set Manager
	/Organization-Civil/FDOT/Cell/Mutcd_RegulatorySigns.htm	11x17 Structures Sheet Border
	/Organization-Civil/FDOT/Cell/Mutcd_WarningSigns.htm	Roadway Sheet Number Title
	/Organization-Civil/FDOT/Cell/Sheets.htm	Structures Sheet Number Title
	/Organization-Civil/FDOT/Cell/Survey_Roadway_syeng.htm	Revised list of available cell libraries
	/Organization-Civil/FDOT/Cell/TrafficControlPlans.htm	Revised list of available cell libraries
	/Organization-Civil/FDOT/Cell/TrafficControlTypicals.htm	Removed Annotation Scale from Survey Point Cross cell.
	/Organization-Civil/FDOT/Cell/TrafficControl_Legends.htm	scaled up annotation cells by 12
	/Organization-Civil/FDOT/Cell/TypicalSection.htm	added R2-1S Speed feedback sign
	/Organization-Civil/FDOT/Cell/alphabet.htm	Corrected text alignment in Structures Border
	/Organization-Civil/FDOT/Cell/drplan.htm	
	/Organization-Civil/FDOT/Cell/drplan_cdmes.htm	
	/Organization-Civil/FDOT/Cell/drplan_dbi.htm	
	/Organization-Civil/FDOT/Cell/drplan_ex.htm	
	/Organization-Civil/FDOT/Cell/drplan_fes.htm	
	/Organization-Civil/FDOT/Cell/drplan_i.htm	
	/Organization-Civil/FDOT/Cell/drplan_j.htm	
	/Organization-Civil/FDOT/Cell/drplan_misc.htm	
	/Organization-Civil/FDOT/Cell/drplan_sdmes.htm	
	/Organization-Civil/FDOT/Cell/drplan_sew.htm	
	/Organization-Civil/FDOT/Cell/drplan_uew.htm	
	/Organization-Civil/FDOT/Cell/drplan_wew.htm	
	/Organization-Civil/FDOT/Cell/fdotcells_Roadway.htm	
	/Organization-Civil/FDOT/Cell/geotech.htm	
	/Organization-Civil/FDOT/Cell/geotech_PrimSoilPat.htm	
	/Organization-Civil/FDOT/Cell/geotech_SecSoilPat.htm	
	/Organization-Civil/FDOT/Cell/its.htm	
	/Organization-Civil/FDOT/Cell/roadway.htm	
	/Organization-Civil/FDOT/Cell/tplabels.htm	
	/Organization-Civil/FDOT/Cell/utilities.htm	
	/Organization-Civil/FDOT/Cell/Lighting.htm	
	/Organization-Civil/FDOT/Cell/Mutcd.cel	
	/Organization-Civil/FDOT/Cell/PavementMarkings.htm	
	/Organization-Civil/FDOT/Cell/Roadway.cel	
	/Organization-Civil/FDOT/Cell/Sheets.cel	
	/Organization-Civil/FDOT/Cell/SignalPoles.htm	
	/Organization-Civil/FDOT/Cell/Signalization.htm	
	/Organization-Civil/FDOT/Cell/TollPlaza.htm	
	/Organization-Civil/FDOT/Cell/alphabet.cel	

	/Organization-Civil/FDOT/Cell/arrows.htm	
	/Organization-Civil/FDOT/Cell/arrows_d.htm	
	/Organization-Civil/FDOT/Cell/ftpsigns.htm	
	/Organization-Civil/FDOT/Cell/images/arrows	
	/Organization-Civil/FDOT/Cell/images/ftpsigns	
	/Organization-Civil/FDOT/Cell/images/lighting	
	/Organization-Civil/FDOT/Cell/images/mutcd	
	/Organization-Civil/FDOT/Cell/images/pavementmarkings	
	/Organization-Civil/FDOT/Cell/images/signalization	
	/Organization-Civil/FDOT/Cell/images/signalpoles	
	/Organization-Civil/FDOT/Cell/images/tollplaza	
	/Organization-Civil/FDOT/Cell/mutcd.htm	
	/Organization-Civil/FDOT/Cell/Sheets.cel	
	/Organization-Civil/FDOT/Cell/Signalization.cel	
Seed Files	/Organization-Civil/FDOT/Seed/Sheets/FDOT Sheet Seed.dgn	updated design file setting, civil formatting, station precision to 2 decimals
	/Organization-Civil/FDOT/Seed/FDOT-OBM-StructuresSeed3d.dgn	Changed to new border for Plan Set Manager
	/Organization-Civil/FDOT/Seed/FDOT-OBM-StructuresSheetSeed3d.dgn	36x48 Large Format
		36x72 Large Format
		ANSI B Cut
		ANSI B Cut - Bridge
		ROW 24x36
		add 24x36 roadway sheet seed
		dissociated from workset
		Corrected text alignment in Structures Border and updated seed

Sheet Seeds	/Organization-Civil/FDOT/Dgnlib/Sheet Seeds/11x17 Plan Only Named Boundary.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/11x17 BridgeHydraulicRecommendationNamedBoundary.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/11x17 Cross Sections Named Boundary.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/11x17 DrainageMap Named Boundary.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/11x17 Plan Only Detail.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/11x17 Plan Over Plan Named Boundary.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/11x17 Plan Over Profile Named Boundary.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/11x17 Pond Cross Section Named Boundary.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/11x17 Profile Only Named Boundary.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/11x17 Profile Over Profile Named Boundary.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/11x17 Special Profiles Named Boundary.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/36x48 Cross Sections Named Boundary.dgnlib /Organization-Civil/FDOT/Dgnlib/Sheet Seeds/36x48 Drainage Detail Named Boundary.dgnlib	turned off "Construction" View Attribute in sheet model view replaced sheet border cell with plan set manager compatible cell added sheet title text cell for PSM
Configuration Files	/Organization-Civil/FDOT.cfg /Organization-Civil/FDOT_Roadway.cfg /Organization-Civil/FDOT_Roadway.cfg /Organization-Civil/FDOT_Bridge.cfg /Organization-Civil/FDOT_MicroStation.cfg	Revised list of available cell libraries Further revised list of available cell libraries Enable CIVIL_CROSSSECTION_NAVIGATOR_ENABLE_DRAFTING_TOOLS Changed variable that calls FDOT_OBM_Item_Types.dgnlib from MS_DGNLIBLIST_ITEMTYPES to MS_DGNLIBLIST so that table seeds and reports get pulled in correctly from that dgnlib file Note from KWD - May cause any item types from that file to not get pulled in (only reading table seeds/reports). Needs further testing.
Civil Cells	/Organization-Civil/FDOT/Dgnlib/Civil Cells/FDOT_3D-Urban Driveways.dgnlib	Updated in ORD 10.10.21.04 reworked Civil Cell to have tiedown linear template
Bridge Templates	/Organization-Civil/FDOT/Bridge Templates/MaterialLibrary.xml	Updated materials list to correspond to pay items for quantities automation.

Standards Data	/Organization-Civil/FDOT/StandardsData/CADDStandards.xml	added proposed pullbox to list
	/Organization-Civil/FDOT/StandardsData/CADDStandardsLookup.xml	GISALGN & GISPAR files de-activated
	/Organization-Civil/FDOT/StandardsData/SignalCellMapping.xml	RWPARCELS file created
		****File Changes:
		Following file's seed files changed from "FDOT-OBM-StructuresSeed2D.dgn" to "FDOT-OBM-StructuresSeed3D.dgn"
		Structures Sheet Files
		- B#ConstSeq Construction Sequence
		- B#PlanElev Plan and Elevation
		Substructure Sheet Files
		- B#FoundLay Foundation Layout
		- B#PrecastPierDet Precast Pier Details (also removed action to create sheets)
		Superstructure Sheet Files
		- B#ClosureJointDet Closure Joint Details
		- B#ClosurePourDet Closure Pour Details
		- B#ClosurePourReinf Closure Pour Reinforcing
		- B#CrossFrameDet Cross Frame Details
		- B#FinishGrEL Finish Grade Elevations (also removed action to create sheets)
		- B#FloorBeam Floor Beams
		- B#PrestSlab Prestressed Slab Units
		- B#SteelDet Steel Girder Details
		- B#SteelGirder Steel Girder
		- B#Stiffener Stiffener Details
		- B#TrafficRailing Traffic Railing
		- B#TypicalSection Typical Section Through Bridge Deck (also removed action to create sheets)
		Files Marked Inactive:
		GISALGN, GISPAR, BulkHead, CrashWall, MSEWall, NoiseWall, RebarListWall, RetainingWall, SheetPileWallAnchConc, SheetPileWallAnchSteel, SheetPileWallCantConc, SheetPileWallCantSteel, WallControl
		Files Added:
		RWPARCELS (RightOfWay rule)
		W#BulkHead (Structures rule)
		W#CrashWall (Structures rule)
		W#MSEWall (Structures rule)
		W#NoiseWall (Structures rule)
		W#RebarListWall (Structures rule)
		W#RetainingWall (Structures rule)
		W#SheetPileWallAnchConc (Structures rule)
		W#SheetPileWallAnchSteel (Structures rule)
		W#SheetPileWallCantConc (Structures rule)
		W#SheetPileWallCantSteel (Structures rule)
		W#WallControl (Structures rule)

****Levels Changes:

Levels Added:

DecorSegmentalDeckOutline(2D) to Structures rule

DecorWingWall(2D) to Structures rule

DecorWingWallFooting(2D) to Structures rule

DecorWingWallPile(2D) to Structures rule

EndBentCheekWallConc_pm to Structures rule

IntBentCheekWallConc_pm to Structures rule

PierCheekWallConc_pm to Structures rule

RWParcelEaseExist to RightOfWay rule

Level Symbology Modified:

RWDeedCall

RWParcelEasePerp

RWParcelEaseTemp

RWParcelExcess

RWParcelFeeSimple

RWParcelLicense

RWParcelParent

RWParcelSurplus

RWPOCPOB

SubDivLine

Survey Feature Changed:

MonumentCC_ep

MonumentCP_ep

MonumentDR_ep

MonumentIRC_ep

MonumentNL_ep

MonumentOM_ep

MonumentPIP_ep

MonumentPST_ep

MonumentSAT_ep

MonumentSTD_ep

MonumentSTP_ep

File actions modified/added:

ALGNRW

active level BaselineSurvey

CS%%%%%%%, MM%%%%%%%, RW%%%%%%%:

model create design ALGNRW BaseLineSurvey/CenterLineConstruction;

model create design RWJURISDICTION JurisdictionalAndAgencyLines;model

create design RWLINES ExistingRightOfWay; model create design RWLOC

LimitsOfConstruction; model create design RWPARCELS

ParentTractsEasmentAndTakes; model create design RWSECTION

GovernmentSectionsAndGrants; model create design RWSUBDIV

SubdivisionAndPropertyLines;model active ALGNRW;active level

BaselineSurvey

		RWPARCELS: model create design RWPAR BLANK;model create design RWPAR_ESMTS ExistingEasements;model create design RWPAR100 Parcel100;model active RWPAR100;active level RWPOCPOB Updated "plot" settings for some levels marked to not plot that should have plotting enabled. Modified actions for following files: ALGNRW active level BaselineSurvey CS%%%%%%%, MM%%%%%%%, RW%%%%%%%: model create design ALGNRW BaseLineSurvey/CenterLineConstruction; model create design RWJURISDICTION JurisdictionalAndAgencyLines;model create design RWLINES ExistingRightOfWay; model create design RWLOC LimitsOfConstruction; model create design RWPARCELS ParentTractsEasmentAndTakes; model create design RWSECTION GovernmentSectionsAndGrants; model create design RWSUBDIV SubdivisionAndPropertyLines;model active ALGNRW;active level BaselineSurvey RWPARCELS: model create design RWPAR BLANK;model create design RWPAR_ESMTS ExistingEasements;model create design RWPAR100 Parcel100;model active RWPAR100;active level RWPOCPOB CSCOVER, CSDETL, CSKEM, MMCOVR, MMDETL, MMKEYM, RWCOVR, RWDETL, RWFACS, RWKEYM, active level ClipDrawingBound_dp Fixed level number issues. Fixed RWParcelEaseExist issue Added RWParcelEaseExist level to RightOfWay rule Replaced B#Wall* file with W#Wall* file Moved W#WALL* from STRUCTURES control file to STRUCTURES - WALLS control file Updated RWDeedCall level color from 15 to 6 as per email 7/19
Feature Definitions	Feature Definitions	Added 10 year period for storm data.

FDOTConnect 10.10.01.00 Maintenance Release 1 (MR1)

Application Changes

App Name	Files Updated	Notes
Quantity Takeoff Manager	/FDOT/Apps/QuantityTakeoffManager/FDOT.CADD.Reports.dll /FDOT/Apps/QuantityTakeoffManager/MSCETakeoffManager.dll /FDOT/Apps/QuantityTakeoffManager/SummaryReportsBuilder.exe /FDOT/Apps/QuantityTakeoffManager/ClosedXML.dll /FDOT/Apps/QuantityTakeoffManager/DocumentFormat.OpenXml.dll /FDOT/Apps/QuantityTakeoffManager/ExcelNumberFormat.dll /FDOT/Apps/QuantityTakeoffManager/FDOT.CADD.Common.dll	Fixed issue when line element is perpendicular to alignment Restored additional significant digit in report detail for Gross miles (GM) Fixed issue with sorting by Station Renamed Worksheet name to "Sheet" Included Secondary Units and Secondary Quantities columns Forced any quantity with a unit of LS to only report quantity as 1, not add up the total number of elements. Split data into separate Final reports according to bridge number Ignore anything with a quantity of less than or equal to zero
Geotechnical Tools	/FDOT/Apps/GeotechnicalTools/FDOT.CADD.Common.dll /FDOT/Apps/GeotechnicalTools/MSGeotechnicalTools.dll /FDOT/Apps/GeotechnicalTools/MSGeotechnicalTools.pdb /FDOT/Apps/GeotechnicalTools/Interop.MicroStationDGN.dll /FDOT/Apps/GeotechnicalTools/ORDGeotechnicalTools.dll /FDOT/Apps/GeotechnicalTools/FDOT.CADD.Bentley.Connect.dll	Fixed crash when Soil Test end depth is left empty, now assumes end depth is same as start depth USCS classification automatically added to end of soil description Corrected no stratum color when no AASHTO class entered for Auger bores. Implemented different colors for AASHTO classification is stratum number is not entered. Fixed TextElement exception when description text was exactly 35 chars long
Linked Data Manager	/FDOT/Apps/LDM/Fdot.LDM.Roadway.xml /FDOT/Apps/LDM/Templates/Roadway/TXT/KSIndexRoadway.txt /FDOT/Apps/LDM/Templates/Roadway/DOCX/GeneralNotes.docx /FDOT/Apps/LDM/Fdot.LDM.Structures.xml /FDOT/Apps/LDM/Templates/Roadway/XLSX/Computation Summary Boxes /FDOT/Apps/LDM/Templates/Roadway/XLSX/Summary Reports /FDOT/Apps/LDM/Templates/Structures/XLSX	removing from workspace the old foramt spreadsheet SUmmary of Structures Quantites.XLSX the Computation Summary Boxes and Summary REports folders and files a re being removed from ldm since they are created using the QTO tool removed the Computation Summary boxes in LDM for structures Summary Boxes _ Structures since we are introducing new tools updating to FDM Exhibit 910-1 set "Page Boundary" to "FALSE" for Word Documents removed General Notes from Text Notes group updated for FDM 914 removed the Computation Summary boxes in LDM since we have a new tool to take care of this.

Summary Reports Builder	/FDOT/Apps/SummaryReportsBuilder/FDOT.CADD.Reports.dll /FDOT/Apps/SummaryReportsBuilder/SummaryReportsBuilder.exe /FDOT/Apps/SummaryReportsBuilder/ClosedXML.dll /FDOT/Apps/SummaryReportsBuilder/DocumentFormat.OpenXml.dll /FDOT/Apps/SummaryReportsBuilder/ExcelNumberFormat.dll /FDOT/Apps/SummaryReportsBuilder/FDOT.CADD.Common.dll /FDOT/Apps/DesignerInterfaceQuantitiesBuilder/DIQB.exe	Updated FDOT.CADD.Reports.dll and added corresponding references. Restored additional significant digit in report detail for Gross miles (GM)
Create File	/FDOT/Apps/CreateFile/FDOT.CADD.Standards.dll /FDOT/Apps/CreateFile/CreateFileORD.dll	Fixed issue where only the "Default" model had the coordinate system applied, now applied to all models. Fixed unknown keyin message if QCInspector is not loaded when CreateFile is launched. Fixed issue where if the CADDStandardsLookup.xml file was read only and exception was thrown
FDOT Sign Tool	/FDOT/Apps/SignTool/Fdot.Signs.xml /FDOT/Apps/SignTool/FDOTORDSigns.dll	Changes #596 Post Label Places on Default Level - I have added a fix. Works the same way that Panel Label works. It's not the best approach, but seems to be ok. Continue to monitor until we have a more permanent solution. #599 Change Icon to Folder Icon in Open Sign (from XML) dialog - Fixed #601 Shape draws when toggled off - Fixed #602 - Default Open Folder location is not found. - Fixed. I added a test for first time use. In this case the browse folder is used. But after the user changes the location, it will be this new location that the program looks for. It will revert to the browse folder is the new folder location gets renamed or deleted. added ftp-16R sign to xml file This includes a change to add a payitem override option for posts. This should help with wrong payitem numbers. I did notice however, that the payitemdb and the FDOT.Signs.xml do not have the same payitem numbers for posts. We probably need to address that at some point.

| FDOT Signals Tool | /FDOT/Apps/Signals/Signals.dll | Signal Changes
Updated SignalCellMapping.xml - this file resides in the FDOT/StandardsData/ folder. I have included an updated version of this file with the new program.
Added Tooltip to Add Payitem Section
#41 Span Wire - this signal type is supported. It is a Per Intersection (PI) type. The user will draw a single line string showing span wire around the intersection. The users will need to be instructed not to use multiple line strings in the same intersection. Something like this,
#43 Cache Alignment Names on Startup - to improve performance, the alignment names are cached the program is loaded. The program will use the same list of names whenever the GUI changes (ie when a new signal is selected). The list will change if the alignments are updated.
#44 New Signal Types and GUI Change
To accommodate new signal types the tab GUI has been replaced with a Signal Type Combobox.
Signal Types that are linear, per intersection, or each (with cells) will be displayed in this new combobox. Signals that do not have cells defined in SignalsCellMapping.xml will not show up in the combobox. In these cases the user is expected to append the payitem to another signal type. For example, Traffic Signal and Mounting Assembly.
 If you decide that these signal types should have cells associated with them, we just need to modify SignalCellMapping.xml. For example, if I want to add a cell to MountingAssemblies, find the node for this signal type in SignalCellMapping.xml and add an entry for a cell. The cell will need to exist in one of your cell libraries. Like this...
#45 Abort if payitemdb.xml is not selected - fixed issue where MicroStation would crash if payitemdb isn't found.
#46 Alignment list not updated on Model Open - when the user opens a new model the program will now check the alignment list to make sure it matches content of new model and references.
#47 Alignment list not updated when alignments are added/removed from a model. Fixed.
Recompile of signals to address laptop issue
stack trace version
fixes the crashing issue with signals
#52 Set IsAnnotative Flag to True
#53 ByLevel Not Set on Conduit
#54 Signal Cable Unit of Measure changes ie 2 PIs and 2 LFs
#59 Manual Mast Arm Rotation Control
#61 Click Enter to execute search in Payitemdb Window
#62 Double Click to Select Payitem from Payitemdb Window
#NN Description Does not Turn on when selecting Conduit after placing Span Wire
#NN Unit of Measure Lookup |
| Place Cell Group | /FDOT/Apps/PlaceCellGroup/PlaceCellGroupORD.dll | #93 Log File open button added to dialog
#94 Rework Dialog - hide upstream and downstream controls unless their corresponding checkboxes are checked.
#142 Click Enter to execute search in Payitemdb Window
#143 Double Click to Select Payitem from Payitemdb Window
Label Stripe
Open Log File |

Geotech Data Manager	/FDOT/Apps/GeotechDataManager/EPPlus.dll /FDOT/Apps/GeotechDataManager/FDOT.CADD.Reports.dll /FDOT/Apps/GeotechDataManager/GeotechDataManager.exe /FDOT/Apps/GeotechDataManager/itext.commons.dll /FDOT/Apps/GeotechDataManager/itext.io.dll /FDOT/Apps/GeotechDataManager/itext.kernel.dll /FDOT/Apps/GeotechDataManager/itext.layout.dll	Implemented changes requests from Geotech TAC Added FDOT.CADD.Reports Library and supporting references
Various MDLAPPS	/FDOT/mdlapps/BridgeReportLauncher.dll /FDOT/mdlapps/FDOT.OnFileOpen.dll /FDOT/mdlapps/ClosedXML.dll /FDOT/mdlapps/ProjectSubmittalReferenceChecker.dll /FDOT/mdlapps/FDOTVersion.exe /FDOT/mdlapps/LevelAddEdit.dll /FDOT/mdlapps/StandardsLevelUI.dll /FDOT/mdlapps/FDOTPlaceNotes.dll	Updates, fixes and enhancements
Pavement Marking Tool	/FDOT/Apps/Pavement Marking/PavementMarkingTool.ORD.dll	1) Label Stripe - fixed for rotated views and leader direction draws in the correct direction - Click the Label Stripe Button - Click on a Pavement Marking Stripe (valid stripe ie has a PMTIT item type attached). - The first point to select the stripe. This automatically starts drawing a leader line from the point selected on the stripe to the cursor. - The second point to place the leader and stripe label. If the stripe pay item description has the word skip and the skip length and stripe length are not 0, then the size and word skip is appended to the label. Otherwise the label will only have the width and color. Level - this feature will use the active level. The user is expected to change the ORD level before using this command. 2) I added the open log file controls to the stripe tab - this file applies to all commands/tabs in the program. 3) Missing Unit of Measures - I discovered while building the place label tool that pay item 0709 11102 does not have a unit of measure in the AECMERGE.XML file. This would cause the program to stop working. That is, it was not added the PMTIT item type to the stripe. Instead of letting the program fail, I have the Unit of Measure lookup retern NOTFOUND and add that to the stripe item type UnitOfMeasure property. With this version you can select an alignment to add it to the Textbox. You can also type an alignment. There isn't any validation though, so for this version you will need to know that the alignment typed in exists. Alignments will be recorded when placing new stipes. and you can apply/change the alignment using a selection (multiple stripes) or by selecting an individual stripe. #96 Click Enter to execute search in Payitemdb Window #97 Double Click to Select Payitem from Payitemdb Window #NN Light Pole Properties (implemented but turned off for April Delivery) (I did not implement the IsAnnotation flag for this program. Seems like these should be placed 1:1. I can add it, but the cell libraries will need to be updated to support annotative placement.) From March Delivery #93 Log File Open button added to dialog

Workspace Doctor	/FDOT/Apps/WorkspaceDoctor/WorkspaceDoctor.exe /FDOT/Apps/WorkspaceDoctor/Images/Config.jpg /FDOT/Apps/WorkspaceDoctor/Images/Workspace Doctor.jpg /FDOT/Apps/WorkspaceDoctor/WorkspaceDoctor.htm	Updated for 10.10.02 release, updated images, added "Versions" button
Rebar	/FDOT/Prostructures/Rebar/Detailing/USA_Canada/display.sys /FDOT/Apps/Rebar/Rebar.exe	Rebar v1.09 - Added import feature to allow Mathcad program .inp file to be imported into the rebar program. updated to latest version with a new variable for SMNL that updates the first time you open OBM Clean up fix that removed some of the old code when I was originally looking to import using .inp Rebar v1.10 - Changed import from .inp to .prn. This removes the need for ConvertToRebar.exe.
QC Inspector	/FDOT/Apps/Miscellaneous/FDOT.CADD.Standards.dll /FDOT/Apps/ustnQCInspector/FDOT.CADD.Common.dll /FDOT/Apps/ustnQCInspector/FDOT.CADD.Standards.dll	Fixed issue where if the CADDStandardsLookup.xml file was read only and exception was thrown
OBM Quantity Reports Builder	/FDOT/Apps/OBMQuantityReportsConverter/FDOT.CADD.Reports.dll /FDOT/Apps/OBMQuantityReportsConverter/OBMQuantityReportsConverter.dll /FDOT/Apps/OBMQuantityReportsConverter/OBMQuantityReportsConverterData.dll /FDOT/Apps/OBMQuantityReportsConverter /FDOT/Apps/OBMQuantityReportsConverter/BouncyCastle.Crypto.dll /FDOT/Apps/OBMQuantityReportsConverter/ClosedXML.dll /FDOT/Apps/OBMQuantityReportsConverter/Common.Logging.Core.dll /FDOT/Apps/OBMQuantityReportsConverter/Common.Logging.dll /FDOT/Apps/OBMQuantityReportsConverter/DocumentFormat.OpenXml.dll /FDOT/Apps/OBMQuantityReportsConverter/EPPlus.dll /FDOT/Apps/OBMQuantityReportsConverter/ExcelNumberFormat.dll /FDOT/Apps/OBMQuantityReportsConverter/FDOT.CADD.Common.dll /FDOT/Apps/OBMQuantityReportsConverter/FDOT.CADD.Reports.dll /FDOT/Apps/OBMQuantityReportsConverter/OBMQuantityReportsConverter.dll /FDOT/Apps/OBMQuantityReportsConverter/OBMQuantityReportsConverterData.dll /FDOT/Apps/OBMQuantityReportsConverter/System.IO.FileSystem.Primitives.dll /FDOT/Apps/OBMQuantityReportsConverter/System.IO.Packaging.dll /FDOT/Apps/OBMQuantityReportsConverter/itext.io.dll /FDOT/Apps/OBMQuantityReportsConverter/itext.kernel.dll /FDOT/Apps/OBMQuantityReportsConverter/itext.layout.dll	Fixed issue with calling mainForm.AttachAsTopLevelForm(QuantityReportsConverterAddIn.Instance(), true); Renamed Worksheet name to ôSheet1ö Included Secondary Units and Secondary Quantities columns Forced any quantity with a unit of LS to only report quantity as 1, not add up the total number of elements. Split data into separate Final reports according to bridge number Ignore anything with a quantity of less than or equal to zero

Resource Changes

Resource Name	Files Updated	Notes
FDOT Tool Boxes	/FDOT/Dgnlib/GUI/FDOTtoolboxes.dgnlib	added context menu item for ProjectURL cell in key sheet files
Feature Definitions	/FDOT/Dgnlib/Feature Definitions/FDOT_Text Favorites_Text Styles_Dimension Styles.dgnlib /FDOT/Dgnlib/Feature Definitions/FDOT_Standards_Features.dgnlib /FDOT/Dgnlib/Feature Definitions/FDOT_SUE_Drainage.dgnlib /FDOT/Dgnlib/Feature Definitions/FDOT_OBM_Standards_Features.dgnlib /FDOT/Dgnlib/Feature Definitions/FDOT_Item_Types.dgnlib /FDOT/Dgnlib/Feature Definitions/FDOT Labels.xml /FDOT/Dgnlib/Feature Definitions/FDOT OBM Labels.xml	adding an xml for Civil Labeler for Structures to use for Bridge the config varibales has been added to the FDOT_Bridge.cfg and moved up in the FDOT.cfg updating default placement leader settings for plan labels removing EAV Table annotation group Added Point Name (small) as a 2D COGO Point annotation group with appropriate text favorite. For Monuments and Calculated Points. added utility feature definition annotation definitions for cross sections Created and organized New Feature Defintions, Symbology, Element Templates, Levels for new workflow of creating EarthWork files from Existing Features Added RW L020 text style. Added RW Monument Description and Point Decoration text favorite. Added 2D RW-Monument Element Templates, Annotation Group, Point Symbology and features. Changed all item type expressions from "getentry" to "GetEntry" for ORD 10.10.21.04. - changed plan annotation group element templates: removed transparency on tick marks, set correct text style for labels - Updated feature definition name seeds that control name prefix Revised ROW Baseline/Centerline Annotation group, Text styles, and Text Favorites. created new levels and element templates feature definitions and Feature Symbology for modeling existing subsoil Levels Subsoil_pm. PavtmentBase_em, PavtmentConcrete_em CHANGED EXISITNG FEATURE ON OUTLETS TO USER DEFEINE TO BE ABLE TO PLACE CONDUIT BETWEEN STRUCTURES Tweaked revision of ROW Baseline/Centerline Annotation group, Text styles, and Text Favorites. Misc Change to ROW Curve label text favorite. Added Station Equation label. Edit Station Equation Label for Alignment Annotation Group, Edit Station Equation Text Favorite. fixing element templates for Decor levels that names have changed fixing level names numbers and attributes to match CADD Standards adding a list for existing utitiles to have different sizes for Sanitary Sewer And Waste Water matched what was in SS10 database Imported item types and report definition for quantities workflow. Added item types to supports, decks, and beams. Added item type and report data for traffic railings.

Removed Place Label tool as a workflow and updated to use the Civil Labeler for ROW mapping. Updated annotation text ROW Element Templates, Baseline Annotation Group, Dimension Styles, Text Favorites and Text Styles to enable the Civil Labeler.
adding existing wetlands annotation definition for xs
adding utility annotation definitions to xs annotation 10 scale
Tweaked the annotations in the Civil Labeler for the RW Station Offset (Element Template, Dimension style, and Text Favorite). Also added comma to curve data distances on all ROW features curve data.
Put period behind STA in ROW text favorites for stations.
deleted the duplicate Feature definition of ShoulderBase_ex this feature Defintion was moved to Exisitng Folder inside Mesh/XS
Edited named expressions in item types to remove extraneous spaces that were breaking pay item numbers.
checked levels with the current CSM database made changes in dgnlib or CSM database need to update CADD Standards before final build
updating ROW text favorite and removing text styles
Revised line spacing from 0.5 to 1.0 on Text Styles - RW Vert Text 1 Lt Bottom L00
                                   RW Vert Text 1 Lt Top L100
updating ROW text favorites upgrade to new schema
fixing text favorites and text styles for ROw annotation group for John
Updated to new schema 10.10.20.078
updating ROW Text style

Cells	/FDOT/Cell/drplan.cel /FDOT/Cell/xsections.cel /FDOT/Cell/Structures2D.cel /FDOT/Cell/Survey.cel /FDOT/Cell/Sheets.cel /FDOT/Cell/Sheets.cel /FDOT/Cell/ftpsigns.cel /FDOT/Cell/ROW_PlanViewLabeling.cel /FDOT/Cell/TypicalSection.cel /FDOT/Cell/row.cel /FDOT/Cell/Signalization.cel	adding "Context Classification" to traffic data cells Made most of all remaining cells Annotation Cells and adjusted scale for them. Added D4 Cells - QTRFND, QTRNFD, SECFND, SECNFD update border cell to include "Project Description" updating cell(s) per fdm 120 and training guide workflow Added ROW Mapping standard notes and certifications. Added sign FTP-16R-06. Florida's Turnpike (Right) Reset Origin in signalization cells fixing misaligned information text at lower left corner on sheet borders created 24x36 large format roadway sheet border Adjusted Insertion points and addressed signalization scaling issues. updated SR No. text field to TextMisc level on 24x36 sheet border Set RW-Monumets to annotation scale in Survey Update following to annotation cell in Structures: arrow north, direction of stationing, traffic arrow, slope left, slope right Moved Notes and Certifications from ROW_PlanViewLabeling.cel to ROW.cel. updating component key sheets to match upcoming fdm 900 series revisions, updating existing wetlands xs cell Removed ROW PlanViewLaveling due to using Civil Labeler instead. Changes to all Drainage MES cells for release.
Seed Files	/FDOT/Seed/FDOT-ORD-Seed2D.dgn /FDOT/Seed/FDOT-OBM-StructuresSeed2d.dgn /FDOT/Seed/FDOT-OBM-StructuresSeed3d.dgn /FDOT/Seed/FDOT-OBM-StructuresSheetSeed3d.dgn /FDOT/Seed/FDOT-ORD-RWseed.dgn /FDOT/Seed/FDOT-ORD-TypicalPackageSeed.dgn /FDOT/Seed/FDOT-ORD-TypicalPackageSeed.dgn	update border cell to include "Project Description" updating cell(s) per fdm 120 and training guide workflow Adjusted unit accuracy settings to 2 decimal places. FDOT Structures Line Leader, FDOT Structures Note-Arrow, and FDOT Structures Note-SArrow modified dimension styles within the listed seed files were overwriting the correct dimension styles from the dgnlib file. updated default level to ConstLines
Configuration Files	/FDOT_MicroStation.cfg /FDOT_Roadway.cfg /FDOT.cfg /FDOT_Bridge.cfg /FDOT_PS_Standards.cfg	corrected missspelling of MS_OBM_CellList of parametric cells to PierCellLib.cel to read from workset location Added lines for MDLAPPS and MDL for GuideSign 8 and AutoTurn 11 Added GUI DGNLIB line items for AutoTurn 11 and GuideSign 8 Changed variable from "ITEMTYPE_EXCELLOOKUP" to "ITEMTYPE_LOOKUP" for ORD 10.10.21.04 moved the Civil labeler variable up in the cfg file in order for OBM to have thier own Civil Labeler xml file added new area to load Autotrun and Guide if the programs exist on users machines Review for Final release added a dgnlib to launch AutoTurn and GuideSign when needed this can be found in the Drawing workflow removed ROW_PlanViewLabeling.cel no longer being used, review and update before release build added in path $(CIVIL_ORGANIZATION_STANDARDS)Apps/OBMQuantityReportsConverter/ to MS_ADDINPATH

Standards Data	/FDOT/StandardsData/CADDStandards.xml /FDOT/StandardsData/CADDStandardsLookup.xml /FDOT/StandardsData/SignalCellMapping.xml /FDOT/StandardsData/PayitemDB.xml	removed outdated rpm's from database this file works to display 19 items for signals CADD Standards checked in changed Bridge sheet files to start from a 3D seed added new levels for CorrTerrainMinor and Major Corrected level names to match in dgnlib added new _ex and _em levels to help model existing features Added MOT and patterned pavement paint (green Bike Paint) to the database comparing the currrent dgnlib and CSM database I found and corrected discrepancies CSM datbase and dgnlib are noww in synchronized for the build for April 2022
Geotechnical Reports	/Workspaces/FDOT/WorkSets/0_WORKSET_TEMPLATE/Geotechnical/GeotechDataSheetTemplate.xlsx /Workspaces/FDOT/WorkSets/0_WORKSET_TEMPLATE/Geotechnical/ReportOfBoringsTemplate.xlsx /Workspaces/FDOT/WorkSets/0_WORKSET_TEMPLATE/Geotechnical/BoreholeSample.xlsx /Workspaces/FDOT/WorkSets/0_WORKSET_TEMPLATE/Geotechnical/GeotechDataSheetTemplate.xlsx	Final geotech template that covers all types of geotech data Changed the location input information Note to text box so that it will be imported to the GDM Spreadsheets no longer being delivered new spreadsheet to replace moved to Data Templates in the resources of FDOT creating a tool that will create this files when they do not exist in a workset
Sheet Seeds	/FDOT/Dgnlib/Sheet Seeds/ROW Control Plan Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds_OBM/PlanNamedBoundary.dgnlib /FDOT/Dgnlib/Sheet Seeds_OBM/PlanOverElevationNamedBoundary.dgnlib /FDOT/Dgnlib/Sheet Seeds_OBM/FDOT_DRAWINGSEED_OBM.dgnlib /FDOT/Dgnlib/Sheet Seeds_OBM/ElevationNamedBoundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/CrossSectionStarter.dgn /FDOT/Dgnlib/Sheet Seeds/PlanProfileStarter.dgn /FDOT/Dgnlib/Sheet Seeds/PlanStarter.dgn /FDOT/Scales_ORD/sheetsizes.def	ADDING 24X36 SHEET SIZE FOR ROADWAY removing OLD sheet seed starter dgn files - chagned PLAN drawing model reference settings: Display Override = Never, Synchronize View = Settings From Design Model. This ensures the drawing model will be in sync with the design model in terms of what is displayed - changed all sheet model reference settings: Display Override = Never - changed all drawing model reference settings: Display Override = Never, Synchronize View = Settings From Design Model. This ensures the drawing model will be in sync with the design model in terms of what is displayed - changed all sheet model reference settings: Display Override = Never - chagned PLAN drawing model reference settings: Display Override = Never, Synchronize View = Settings From Design Model. This ensures the drawing model will be in sync with the design model in terms of what is displayed - changed all sheet model reference settings: Display Override = Never - chagned PLAN drawing model reference settings: Display Override = Never, Synchronize View = Settings From Design Model. This ensures the drawing model will be in sync with the design model in terms of what is displayed - changed all sheet model reference settings: Display Override = Never removed copied lines of border in sheet model
Civil Cells	/FDOT/Dgnlib/Civil Cells/FDOT_2D-Driveways.dgnlib	Upgrade the 10.09 file with Civil File Manager to the new 10.10.20 schema

FDOT Ribbon	/FDOT/Dgnlib/GUI/FDOT_AUTOTURN_RIBBON_TAB.dgnlib /FDOT/Dgnlib/GUI/FDOT_GUIDESIGN_RIBBON_TAB.dgnlib /FDOT/Dgnlib/GUI/FDOTtoolboxes.dgnlib /FDOT/Dgnlib/GUI/FDOT_OBM_RIBBON_TAB.dgnlib /FDOT/Dgnlib/GUI/FDOT_RIBBON_TAB.dgnlib	revising Version keyin added Reference Checker to Misc Tools dropdown adding icons for Structure Reports for Quantities adding in icons for raw and final report for structures updating Reference Checker icon updating keyin Raw Report added in key in for OBM Final reports builder adding in dgnlib for autoturn and guide sign. These will have buttons on the Drawing workflow to launch when needed and if the user has either program on their computer only
Display Styles	/FDOT/Dgnlib/Display Styles/FDOT Display Styles.dgnlib	changed the background color in 3D view of display for illustration:Ignore Lighting to gray (210,210,210)
Preference Seeds	/FDOT/Preference Seeds/FDOT_Preferences.spf /FDOT/Preference Seeds/FDOT_obm_Preferences.spf	checking in new preference seeds to allow text masking to work with text fields
Asset Manager Lookup	/FDOT/Asset Manager/Asset Management Lookup.xlsx	Corrected PayItem_LOOKUP worksheet to include widths for Traffic Separators. Added StrPayItem_LOOKUP workbook for OBM quantities; corrected 353-70 pay item format for concrete slab replacement. Added traffic railings to Str Lookup.
Data Templates	/FDOT/Data Templates /FDOT/Data Templates/Calculations /FDOT/Data Templates/Calculations/BlankTemplates /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Box Culverts.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Clearing Grubbing and Removal Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Curbs.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Ditch Pavement.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Drainage.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Driveway Base.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Earthwork.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Erosion Control and Sediment Control Devices.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Fencing.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of General Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Geotechnical Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Guardrail.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Intelligent Transportation Systems Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Landscape Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Lighting Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Litter Removal and Mowing.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Lump Sum Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Mailboxes.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Miscellaneous Asphalt.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Miscellaneous Drainage Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Pavement.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Pedestrian Longitudinal	adding new folder into FDOT workspcae to hold Example Data spreadsheets for Geotechnical Geotech Tools and CalculationsQTO tools this files will not be in the 0_WORKSET_TEMPLATE FOLDER but will be copied if they do not exist

	Channelizing Devices.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Performance Turf.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Permanent Barriers.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Permanent Crash Cushions.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Permanent Driveways.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Railing.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Sidewalk and Detectable Warnings.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Signalization Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Signing and Pavement Marking.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Special Detours.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Structure Quantities.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Temporary Crash Cushions.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Temporary Driveways.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Temporary Highway Lighting.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Temporary Signalization and Detection.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Temporary Traffic Control Plan Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Traffic Monitoring Site Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Utility Adjustments.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Utiltiy Items.xlsx /FDOT/Data Templates/Calculations/BlankTemplates/Summary of Walls.xlsx /FDOT/Data Templates/Calculations/EQRSignature.xlsx /FDOT/Data Templates/Geotechnical /FDOT/Data Templates/Geotechnical/GeotechDataSheetTemplate.xlsx	
Bridge Templates	/FDOT/Bridge Templates/templates.xml	Barriers: - Changed all WP to gutterline instead of coping (elevation provider). Consolidated and removed "SE." - Corrected a couple geometry mistakes in existing templates: + Multiple templates with missing constraints. A couple templates missing chamfers. + Median barriers need multiple versions to correctly maintain XX" minimum and level top of barrier. + Width of 42" Concrete Ped/Bike Parapet R was incorrect. + "-Flex AP" only used 0.75" higher rather than 1.75" in most templates. - Changed "-Flex AP" versions of sloped barriers to have vertical 1.75" rather than sloped as currently shown (see Index 400-090). Otherwise barriers don't line up longitudinally. Added "Overlay" as variable. Deck: - Added two templates, "Deck Slab w/V-Groove" and "Approach Slab"
Template Library	/FDOT/Template Library/CIVIL FDOT ORD.itl /FDOT/Template Library/EmptyProject.itl	change the Existing Feature Templates to look for components in the new Folder in Mesh/XSExisitng

Standards Changes

RPTBRD - changed action to open to default model instead of sheet

MM%%%%%% - changed action to open to ALGNRW model instead of sheet

RW%%%%%% - changed action to open to ALGNRW model instead of sheet

CS%%%%%% - changed action to open to ALGNRW model instead of sheet

Removed action on all Key Sheets as per FDM changes on Key Sheets

KETSUW, KEYSSP, KEYSSG, KEYSIT, KEYSEM, KEYSRD

Changed the seed file for Structures Sheet files to be a 3D seed file instead of 2d

Level Changes

Level Name	Comment
TreeRootPruning	corrected missing linestyle from RE-TreeRootPruning to RD-TreeRootPruning on all platforms
TreeRootPruning	added linestyle RD-TreeRootPruning to replace RE-TreeRootPruning
ShldrUnpavBreak_em	adding a line style of 2 to match dgnlib
AdhocPoint_dp	added missing linestyle of 4 to match dgnlib
CompGrpSegment	adding a line style of 0 to match dgnlib
CompGrpBeams	adding a line style of 0 to match dgnlib
CompGrpSubstructure	adding a line style of 0 to match dgnlib
Rebar-Bm-9-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-8-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-7-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-6-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-5-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-4-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-3-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-2-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-1-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022

Rebar-Bm-15-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-14-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-13-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-12-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-11-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
Rebar-Bm-10-GL_pm	set weight of GL to 0 it was correct in dgnlib but not updated in CSM until 04-18-2022
IntBentFootConc_pm	weight (3) was correct in dgnlib but never set in CSM until 04-18-2022
IntBentColumnConc_pm	weight (3) was correct in dgnlib but never set in CSM until 04-18-2022
IntBentCapConc_pm	weight (3) was correct in dgnlib but never set in CSM until 04-18-2022
EndBentFootConc_pm	weight (3) was correct in dgnlib but never set in CSM until 04-18-2022
EndBentColumnConc_pm	weight (3) was correct in dgnlib but never set in CSM until 04-18-2022
EndBentCapConc_pm	weight (3) was correct in dgnlib but never set in CSM until 04-18-2022
BearingSeatConc_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
WallMSEPanel_pm	color changed to 141 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
WallConc_pm	color changed to 6 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
BarrierWallConc_pm	color changed to 27 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Whaler	color 142 from ss10 updating standards
Rebar-Sgmt-9_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-8_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-7_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-6_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-5_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-4_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-3_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-2_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-15_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022

Rebar-Sgmt-14_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-13_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-12_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-11_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-10_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Sgmt-1_pm	color changed to 38 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-9_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-8_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-7_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-6_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-5_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-4_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-3_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-2_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-15_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-14_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-13_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-12_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-11_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-10_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ped-1_pm	color changed to 55 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-9_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022

Rebar-Misc-8_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-7_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-6_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-5_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-4_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-3_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-2_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-15_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-14_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-13_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-12_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-11_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-10_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Misc-1_pm	color changed to 20 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-9_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-8_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-7_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-6_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-5_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-4_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-3_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-2_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022

Rebar-Ftg-14_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-13_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-12_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-11_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-10_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Ftg-1_pm	color changed to 2 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-9_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-8_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-7_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-6_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-5_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-4_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-3_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-2_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-15_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-14_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-13_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-12_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-11_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-10_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Fnd-1_pm	color changed to 8 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-9_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022

Rebar-Dk-8_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-7_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-6_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-5_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-4_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-3_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-2_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-15_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-14_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-13_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-12_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-11_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-10_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Dk-1_pm	color changed to 119 from dgnlib color is correct in dgnlib never corrected in CSM until 04-18-2022
Rebar-Col-9_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-8_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-7_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-6_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-5_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-4_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-3_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-2_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-15_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-14_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-13_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-12_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges

Rebar-Col-11_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-10_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Col-1_pm	changing color to 1 from 117 this is new color for visualization of 3D bridges
Rebar-Cap-9_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-8_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-7_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-6_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-5_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-4_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-3_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-2_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-15_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-14_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-13_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-12_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-11_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-10_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Cap-1_pm	changing color to 6 from 63 this is new color for visualiztion of 3D bridges
Rebar-Bw-9_pm	changing color to 27 from 19 matches the compoment color
Rebar-Bw-8_pm	changing color to 27 from 19 matches the compoment color
Rebar-Bw-7_pm	changing color to 27 from 19 matches the compoment color
Rebar-Bw-6_pm	changing color to 27 from 19
Rebar-Bw-5_pm	changing color to 27 from 19
Rebar-Bw-4_pm	changing color to 27 from 19
Rebar-Bw-3_pm	changing color to 27 from 19
Rebar-Bw-2_pm	changing color to 27 from 19
Rebar-Bw-15_pm	changing color to 27 from 19
Rebar-Bw-14_pm	changing color to 27 from 19
Rebar-Bw-13_pm	changing color to 27 from 19
Rebar-Bw-12_pm	changing color to 27 from 19
Rebar-Bw-11_pm	changing color to 27 from 19
Rebar-Bw-10_pm	changing color to 27 from 19

Rebar-Bw-1_pm	changing color to 27 from 19
Wood_h	changing back to 142 as this is what it was in SS10
Wood	changing back to 142
CorrTerrainContourMajor	adding new level for major contours coming from corridor
CorrTerrainContourMinor	new level to show contours from Corridor model
ShldrUnpavBreak_em	changed spelling
EnvJusticeArea	setting linestyle to 0
EnvHistoricSites	setting line style to 0
EnvFloodplains	setting linestyle to 0
EnvContaminatedSites	setting line style to 0
EnvCommunityFeature	setting line style to 0
EnvCoastalBarrierResources	adding linestyle
WingWallCapConc_pm	new level to model 3D wing Walls for Strucutures
Rebar-Bw-12-GL_pm	corrected dash in name
Rebar-Bw-12-GL_pm	set inactvie wrong level
Rebar-Wall-10-GL_pm	changed number to match dgnlib
Rebar-Wall-11_GL_pm	incorrect level made inactive
DecorCLBearing(2D)	changed spelling to move CL in front of Bearing
DecorConcPierFooting(2D)	changed name to include Footing
CompGrpSegment	fixed spelling to Main Level
ShldrPaved_ex	new level for ShlderPaved_ex
PavtAsphalt_ex	creating new level PavtAsphalt_ex for earthwork and modeling

FDOTConnect 10.10.00.00 Initial Release

FDOTConnect 10.10 January 2022 Release 10.00.00.00 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 10.10 versions of Bentley Connect Edition Applications. The changes listed below were made since the last maintenance release of the 10.09.02.00 version of the FDOT software.

App Name	Files Updated	Notes
QC Inspector	/FDOT/Apps/ustnQCInspector/CONNECTQCInspector.dll /FDOT/Apps/ustnQCInspector/FDOT.CADD.Common.dll /FDOT/Apps/ustnQCInspector/FDOT.CADD.Standards.dll /FDOT/Apps/ustnQCInspector/QCReportData.dll	ProjectWise friendly for discipline folder names. Fixed border files not being picked up as invalid filenames
FDOT Place Notes	/FDOT/mdlapps/FDOTPlaceNotes.dll	add button to clear fields UI Updates Add bridge Number CHANGE TEXT character length fixed pesky behavior on reload event fixed pesky behavior adjust for 11x17 sheets OBM signature area upper case input only. Added OBM Structures User Interface modified to allow multiple design files to be sealed at the same time.
FDOT Copy Reference Levels	/FDOT/mdlapps/FDOTCopyReferenceLevels.dll	Fixed issue where sometimes the list of references\models was duplicated
FDOT Signals Tool	/FDOT/Apps/Signals/Signals.dll	no issue #] Added support for FDOT_ORGANIZATION_10.10 for both reg keys and environment variables. The program will first look for the environment variable. If not found it will try the registry. #38 Label Rotation - labels rotate so they are orthogonal to the view. This also applies to rotated views. #39 Quantity Factor - users can now apply a quantity factor when editing/adding payitems to a signal component. #42 Alignments from Reference FIles - the program will now find alignments in reference files. In ORD 01.10.01, now also in 01.09.02 #15, #37 - Changed name to Signal Design and title now contains version number. #33 From Pattern - throws exception - Fixed. #35 Tooltip on Alignment Button - changed to say "Select alignment". #34 Hilite Alignment Button on Hover - fixed.

Place Cell Group	/FDOT/Apps/PlaceCellGroup/PlaceCellGroupORD.dll	#78, 83, 85 - Name Change and Version in Dialog Title - added new name Traffic Design and included version number to the right of the title. #76 Fix Button Icons - images in previous builds were not displayed. Appears to be fixed for this build. # [no issue number] - fixed fly-over message. Previous versions always displayed last item in combo box. This new version will display text of the current selection in the fly-over bubble. # [no issue number] - added support for new config and environment variables for 10.10.
Quantity Takeoff Manager	/FDOT/Apps/QuantityTakeoffManager/FDOT.CADD.Common.dll /FDOT/Apps/QuantityTakeoffManager/FDOT.CADD.Reports.dll /FDOT/Apps/QuantityTakeoffManager/MSCETakeoffManager.dll /FDOT/Apps/QuantityTakeoffManager/SummaryReportsBuilder.exe /FDOT/Apps/QuantityTakeoffManager/FDOT.CADD.Bentley.Connect.dll	Fixed Summerized Reporting Issue - Reports now Order by Pay Item Number, Alignment, and then Begin Station. Changed Design Notes and Construction remarks to pull from Instance as opposed to Element Updated item types with ôThicknessö to change property definition name to "Lift" to fix conflict with Bentley element property named Thickness. Added processing for Pay Item arrays Added processing for Parametric Cells Automated "Summary of Litter Removal and Mowing" Report Fixed Rounding Issues Automated "Summary of Litter Removal and Mowing" Report Fixed Rounding Issues Updated with Mike's latest code for improved processing speed on large objects. Fixed issue with WorkSets path

FDOT Sign Tool	/FDOT/Apps/SignTool/SettingsDefault.xml /FDOT/Apps/SignTool/FDOTORDSigns.dll	#591 - Added support for organization environment variables and registry entries. You will need to change your SettingsDefault.xml so that folder settings do not include the org location - ie C:\FDOTConnect\Organization-Civil\. If the environment variable isn't found the program will look in the registry for the location.
		#576 - Drop Down not Spy Glass Icon - Vern asked us to change the spy glass icons to more appropriate icons. The open folder buttons on the User Settings tab have folder icons now, and the size option for sign panels has been changed from a pickbox to a combobox control.
		# 575 - Normalize Alignment Selection - Vern asked that we implement a standard approach for selecting alignments. In most of our apps we have a command button to get the user to select an alignment, and a combo box that the user can use to choose an alignment. We added these controls for panel and post placement. If the user doesn't select prior to placement, the command works as it did before - ie select the alignment before placing.
		# 572 - Assemblies will not place Relative to Alignment - we had a bug where assemblies were not placing relative. This issue has been resolved.
		#564 and 566 - Apply alignment to all elements in the assembly. Existing Change Element has alignment assigned to all components.
		#556 - Panel Placement for 3-side, 4-side Placement - this issue addresses rotation of panels so that we can create something similar to the image below.
		To get this, we added the ability to set the rotation of individual panels.
		#505 - Multiple Payitems on Post - added the payitem selection box like the one used in signals to add payitems. The user can add as many as they want to a post. The additional payitems will be selected from the payitemdb window. These need to be added before placement. Tell users not to try to edit the payitem after placement - this isn't supported.
		#542 - ORD Level Lists - this issue addressed the problem where levels from dgnlibs were not available for FDOT.Signs. We have tried several times to address, but this time I think we finally have the correct solution.
		The following (most) were added to 01.10.01 but not in 01.09.01 - they are included in both versions now...
		#569 - Name Change in Dialog
		#567 - Version number in dialog title -
		#465 - Secondary Connectors - we attempted to clean up the connector so that it would intersect and end at the edge of the panel instead of leaving a gap. This appears to be working better in most cases,
		#510 - Copy command does not work when labels are present. - Copy works now. Labels will copy with assembly. Some clean-up may be required.
		#509 Save to XML from Edit Assembly - when editing an assembly the user might want to save the new version to XML. Previous version "didn't like" this. In this new version the user can make and edit to an existing assembly and save those changes to XML.
		#514 Assembly Structure Type is Wrong on Review/Edit - the assembly structure would always show Post Only when editing an assembly. The program now shows the proper structure type.
		#515 Assembly Structure type is Wrong on Copy - similar issue and solution as 514. Fixed.

| | | #516 Label Shapes do not Redraw - when Match Scale is used to update the drawing scale. This has been partially fixed. The panel shapes update, but the post label shapes do not. Work around is to replace the post label or do not use shapes. We will address for next release cycle budget permitting.
#517 Match Scale command Aborts - fixed.
#548 Process Station Updates by Selection - we had a bug to fix last year where the user needed to update stations but there were a lot of them and the program would crash. So the request was made to update stations using a selection set. This issue addresses the crash, the performance issues, automatic update of station and selection set processing.
CADD was able to get the post station value to update when using a MicroStation move (as long as the FDOT.Signs program is running). So, using the update stations command by selection or for all is now almost obsolete. We still need it for cases where users move the posts without having the fdot signs dialog open.
#543 Alignment Selection from Reference - previous versions had issues selecting alignments if they were located in reference files. Fixed in this version.
#557 Place Panels and Posts with 2pt rotation - in this release the user can select the angle by 2pts. This must be done prior to placing the assembly.
fixed pathing to reflect the new requirement of the sign tool |
| OH Geometry Points | /FDOT/Apps/OHDOTGeometryPoints/OHDOT_GeometryPoints.pdf | revised help doc to show location of the Ohio Geometry Points tool with in the FDOTConnect workspace |

Asset Manager	/FDOT/Asset Manager/AECMERGE.XML /FDOT/Asset Manager/SummaryReportDefinitions.xml /FDOT/Asset Manager/Asset Management Lookup.xlsx	Consolidated all lookups into PayItem_LOOKUP worksheet for picklists, pay items, and variables. Updated template columns for ITS and Signalization to include Element ID. Added " mark to description of 522-1 and 522-2 pay items to match BOE. Added secondary quantity columns to the Summary of Temporary Traffic Control Plan Items. Added newly opened pay item for AC Friction Course 0337 7 95 to Summary of Pavement. Updated compute method for Litter Removal and Mowing pay items - "0107 1 " and "0102 2 ". Deleted Summary of Monitor Existing Structures. Changed HeaderCell name from "ACICycles" to "AcresPerCycle" Added pay items 660-8-12, 660-8-60 & 660-9-60 to Summary of Signalization and Summary of ITS. Added entries for newly opened pay items 660-8-12, 660-8-60, & 660-9-60.
Prostructures	/FDOT/Prostructures/Rebar/Detailing/USA_Canada/DefaultLabels.dgnlib /FDOT/Prostructures/Rebar/Detailing/USA_Canada/default.def /FDOT/Prostructures/Rebar/Detailing/USA_Canada/display.sys /FDOT/Prostructures/Rebar/Detailing/USA_Canada/presets.sys /FDOT/Prostructures/Data/PSUnits.def	new file to work within the Prostructures environment meets FDOT Standards Updated to conform FDOT Standards adding new file to allow feet and inches with in the Prostructures environment
Project Validator	/FDOT/Apps/ProjectValidator/ProjectValidator.exe	Project Validator 1.15 - Fixed a bug that would not allow you to run through a project that contains only the QCProjectReport-Autodesk.txt.
Survey Reference Attach	/FDOT/Apps/Miscellaneous/SurveyReferenceAttach.dll	Removed manipulate as element from attachment setting
Designer Interface Quantities Builder	/FDOT/Apps/DesignerInterfaceQuantitiesBuilder/DIQB.exe /FDOT/Apps/DesignerInterfaceQuantitiesBuilder/FDOT.CADD.Common.dll /FDOT/Apps/DesignerInterfaceQuantitiesBuilder/FDOT.CADD.Reports.dll /FDOT/Apps/DesignerInterfaceQuantitiesBuilder/FDOT.CADD.Bentley.Connect.dll	Fixed issue with same Pay Item being used in different report with different GroupId. Updated References to FDOT.CADD.Common.dll, FDOT.CADD.Bentley.Connect.dll and FDOT.CADD.Reports.dll Updated configurations for C3D2021, C3D2022, ORD1009, and ORD1010 Updated Window Title based on State Kit Platform Changed "Reports" to "Tables" as per CADD Fixed issue with report Excel files with trailing FPID Number processing.
Geotech Data Manager	/FDOT/Apps/GeotechDataManager/FDOT.CADD.Common.dll /FDOT/Apps/GeotechDataManager/GeotechDataManager.exe /FDOT/Apps/GeotechDataManager/ClosedXML.dll /FDOT/Apps/GeotechDataManager/DocumentFormat.OpenXml.dll /FDOT/Apps/GeotechDataManager/ExcelNumberFormat.dll /FDOT/Apps/GeotechDataManager/GeotechDataManager.exe /FDOT/Apps/GeotechDataManager/System.IO.FileSystem.Primitives.dll /FDOT/Apps/GeotechDataManager/System.IO.Packaging.dll /FDOT/Apps/GeotechDataManager/GeotechDataManager.exe /FDOT/Apps/GeotechDataManager/GeotechDataManager.exe.config	Added config file Removed Cr form lab and added back Icon file On the borehole group, need to add "N\A" to "Hammer Type" If "Auger" is selected for "Borehole Type", Hammer Type should default to "N/A" If "SPT" is selected for "Borehole Type", Hammer Type should default to "Auto" When importing the "Borehole Navigator" spreadsheet, "Hammer Type" should default to "N/A" for hammer type. When importing the "SPT Sheet" spreadsheet, "Hammer Type" should default to "Auto" for hammer type.

Geotechnical Tools	/FDOT/Apps/GeotechnicalTools/MSGeotechnicalTools.dll /FDOT/Apps/GeotechnicalTools/Interop.MicroStationDGN.dll /FDOT/Apps/GeotechnicalTools/MSGeotechnicalTools.dll.config /FDOT/Apps/GeotechnicalTools/ORDGeotechnicalTools.dll /FDOT/Apps/GeotechnicalTools/ORDGeotechnicalTools.dll.config /FDOT/Apps/GeotechnicalTools/ORDGeotechnicalTools.pdb	Correct Lat/Long locations plotted in wrong location Added lat\long label Updated header and soil test labels for consistency
Summary Reports Builder	/FDOT/Apps/SummaryReportsBuilder/FDOT.CADD.Reports.dll /FDOT/Apps/SummaryReportsBuilder/SummaryReportsBuilder.exe /FDOT/Apps/SummaryReportsBuilder/FDOT.CADD.Bentley.Connect.dll /FDOT/Apps/SummaryReportsBuilder/FDOT.CADD.Common.dll	Automated "Summary of Litter Removal and Mowing" Report Fixed Rounding Issues Updated Window Title based on State Kit Platform Modified PDF Report to show blank if Primary Quantity is Zero
Link Data Manager	/FDOT/Apps/LDM/Templates/Roadway/DOCX/DigitalSignatureAppearance.docx /FDOT/Apps/LDM/Fdot.LDM.dll	Used _FDOTFile to determine file location to make ProjectWise compatible. UPDATED Digital Signature Appearance LANGUAGE TO MATCH PSO MEMO 18-01
Select Element By ID	/FDOT/mdlapps/FDOTSelectElementByID.dll	Fixed crash issue when attempting to search for elements in references when some references are missing.
Reset Text Angle	/FDOT/mdlapps/ResetTextAngle.dll	Current code did not process TextNodes (multi-line text), TextNodes are now processed Changed command from "progname" to "dialog" Added conditional compilation for form designing and correct location behavior (dialog no longer sits on top of all windows and will minimize when ORD is minimized) Removed minimize & maximize buttons from form Removed element hilite feature
Summary Reports Manager	/FDOT/Apps/SummaryReportsManager/FDOT.CADD.Common.dll /FDOT/Apps/SummaryReportsManager/FDOT.CADD.Reports.dll /FDOT/Apps/SummaryReportsManager/SummaryReportsManager.exe	Updated References to FDOT.CADD.Common.dll and FDOT.CADD.Reports.dll
Structures Standards Packager	/FDOT/Apps/StructuresStandardsPackager/2021StructuresPayItemToStandardReferences.xlsx /FDOT/Apps/StructuresStandardsPackager/BouncyCastle.Crypto.dll /FDOT/Apps/StructuresStandardsPackager/StructuresPayItemStandardBuilder.exe /FDOT/Apps/StructuresStandardsPackager/StructuresPayItemStandardBuilder.exe.config /FDOT/Apps/StructuresStandardsPackager/itextsharp.dll	Updated for 2022 standards release
Create File	/FDOT/Apps/CreateFile/CreateFileORD.dll /FDOT/Apps/CreateFile/FDOT.CADD.Common.CreateFileGUI.dll /FDOT/Apps/CreateFile/FDOT.CADD.Common.dll	Used _FDOTFile to determine file location to make ProjectWise compatible.
Create Project	/FDOT/Apps/CreateProject/CreateProject.exe /FDOT/Apps/CreateProject/FDOT.CADD.Civil3D.Connector.dll /FDOT/Apps/CreateProject/FDOT.CADD.Civil3D.dll /FDOT/Apps/CreateProject/FDOT.CADD.Common.dll	Added County Code from FM System
File Open	/FDOT/mdlapps/FDOT.OnFileOpen.dll	Updated for 10.10 to help prevent users from opening files in the 0_Workset_Folder
Rebar	/FDOT/Apps/Rebar/CONNECTRebar.dll /FDOT/Apps/Rebar/Rebar.exe /FDOT/Apps/Rebar/RebarData.dll	CONNECTRebar v1.03 - Updated to work with comment row from Rebar main program. Rebar.exe v1.08 - Added comment option to bartype column.

Resource Name	Files Updated	Notes
		RebarData v1.0.7.21 - Updated to work with comment row from Rebar main program.

Resource Name	Files Updated	Notes
Configuration Files	/FDOT_Bridge.cfg /FDOT_MicroStation.cfg /FDOT_Roadway.cfg /FDOT.cfg	Added $(CIVIL_ORGANIZATION_ROOT) to WorkSpaceSetup and Reference File Paths and Settings Added VERSION number Commented out FDOTAttachSurvRef, FDOTLevelFilterOnOff, FDOTAccuDraw from VBALOADLIS MS_CELLLIST revisions files sent from CADD Bridge to enhance FDOTConnect 10.10 for OBM note removed line that looked for detailing symbol styles in the FDOT_DRAWINGSEED_OBM.dgnlib file since all detailing symbol styles are now stored in FDOT_DetailingSymbolStyles.dgnlib adding in the new variable for element templates for FDOT_Standards_Features.dgnlib added MS_ADDINPATH > $(CIVIL_ORGANIZATION_STANDARDS)Apps/OHDOTGeometryPoints/ added in the variable for the new Attach Survey Reference Tool MS_ADDINPATH Added $(_USTN_WORKSPACESTANDARDS)Dgnlib/Sheet Seeds_OBM/*.dgnlib Replaced with FDOT.OnFileOpen Removed Cell Splatter Added CIVIL_LABELER_XMLFILE variable Updated CIVIL_LABELER_XMLFILE variable for file name change

Sheet Seeds	/FDOT/Dgnlib/Sheet Seeds_OBM/FDOT_DRAWINGSEED_OBM.dgnlib /FDOT/Dgnlib/Sheet Seeds/11x17 Plan Only Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/11x17 BridgeHydraulicRecommendationNamedBoundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/11x17 DrainageMap Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/11x17 Plan Only Detail.dgnlib /FDOT/Dgnlib/Sheet Seeds/11x17 Plan Over Plan Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/11x17 Plan Over Profile Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/11x17 Pond Cross Section Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/11x17 Profile Only Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/11x17 Profile Over Profile Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/11x17 Special Profiles Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36X72 Triple Plan Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36x48 Cross Sections Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36x48 Drainage Detail Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36x48 Plan Only Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36x48 Plan Over Plan Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36x48 Plan Over Profile Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36x48 Triple Plan Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36x72 Cross Sections Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36x72 Drainage Detail Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36x72 Plan Only Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36x72 Plan Over Plan Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/36x72 Plan Over Profile Named Boundary.dgnlib /FDOT/Dgnlib/Sheet Seeds/KeyMapSheetSeed.dgnlib /FDOT/Seed/Sheets/FDOT Sheet Seed.dgn /FDOT/Dgnlib/Sheet Seeds_OBM/ElevationNamedBoundary.dgnlib /FDOT/Dgnlib/Sheet Seeds_OBM/PlanNamedBoundary.dgnlib /FDOT/Dgnlib/Sheet Seeds_OBM/PlanOverElevationNamedBoundary.dgnlib	updated latest file from updates to sheet models updating the latest changes from the Sheet model properties needed to update border information updated sheet model with item types for bridge number updated file from steve it was missing the bridge number in all sheet models took item type away for EOR and drawn by, checked by replaced user, date, time, location to left hand side of sheet - removed the plan callout seed models to keep things simple, only use section callout as that can do same things as plan callout and more - removed old seed models that weren't being used - removed the misc detailing symbol styles that were stored in this file. Only using FDOT_DetailingSymbolStyles.dgnlib from now on - updated all detailing symbols to be using the ones found in FDOT_DetailingSymbolStyles.dgnlib - added non civil named boundary seeds for 3D files - added 2d design model to house 2D seeds - added non civil named boundary seeds for 2D Files - Udpated all section callout and detail callout seeds (drawing & sheet models) - replaced all sheet model seeds with updated sheet model - Organized seed models: 0-9 = section callouts, 10-19 = named boundary, 20-29 = detail callouts - changed sheet title field to use sheet model name instead of description - Updated "border" item type stored in this file to include addition sheet info - added bridge number field in bottom right of sheet (item type) - added EOR info to border (item type). Remove if not needed after meeting - moved the file, date, user to left side of sheet and rotated 90 to match roadway updating reference setting in drawing and sheet models Update the sheet seed so that level settings are propagated to the sheets. In the Drawing model, set the Synchronize setting to "Settings from Design Model" latest update to remove File Date user from lower right of sheet this is moved to the left side
OBM Standards	/FDOT/Dgnlib/Feature Definitions/FDOT_OBM_Standards_Features.dgnlib	updating Elevation Grid Scale fixed the elevation grid for structures spaced to 10 with 2 ft minors set new text favorite to define the vertical axis labels created new level for Pile Decorations in 2D Created new element template to be linked to the symbology and feature Definition created new element templates for decoration levels of how 2D Bridge elements are displayed Created new Feature Definitions for Footing and Pile Decorations Created New Feature Symbology for Footing and Pile Decorations added levels for Asphalt Overlay on Bridge Approach Slabs and element templates, Feature Definitions, Feature Symbology added new levels to structures rule in CADD Standards created new element templates for End Bents and Int Bents Corrected element templates to look at new levels

Standards Data	/FDOT/StandardsData/PayitemDB.xml	created new payitemdb file with new striping pay item info New database per boe changes
Text Favorites, Labels, Item Types and Features	/FDOT/Dgnlib/Feature Definitions/FDOT_Text Favorites_Text Styles_Dimension Styles.dgnlib /FDOT/Dgnlib/Feature Definitions/FDOT_Standards_Features.dgnlib /FDOT/Dgnlib/Feature Definitions/FDOT Labels.xml /FDOT/Dgnlib/Feature Definitions/FDOT_Item_Types.dgnlib /FDOT/Dgnlib/Feature Definitions/FDOT_SUE_Drainage.dgnlib /FDOT/Dgnlib/Feature Definitions/FDOT_OBM_Item_Types.dgnlib /FDOT/Dgnlib/Feature Definitions/FDOT Labels.xml	corrected text favorite for section callout for structures adding new labels and element templates for RW updating 40_4 profile scale annotation - added structures specific sheet index report & table seed model - added structures pick list & item type for ProConcrete rebar autolabeling Redirected all item types to PayItem_LOOKUP worksheet in the Asset Management Lookup.xlsx file for picklists and variables/pay items. Redirected all item types to PayItem_LOOKUP worksheet in the Asset Management Lookup.xlsx file for picklists and variables/pay items. fixed the elevation grid for structures spaced to 10 with 2 ft minors set new text favorite to define the vertical axis labels adding text favorites for RW adding RW text favorites for new labeler created new levels for existing modleing _em created new folder in Template Points called Existing which will include the following element Templates Created PMStripe24B per request from Randy for Traffic Tools Created Feature Definitions and Feature Symbology for new _em Levels Revised Text Favorites PL_ROW_Curve Label LT & RT to override <active settings> for units labels and precision. added levels for Asphalt Overlay on Bridge Approach Slabs and element templates, Feature Definitions, Feature Symbology added new levels to structures rule in CADD Standards added new levels for bridge modeling and corrected level names to be component specific added PavtAsphalt_em level and pointed element template to it removed levels that were replaced by _pm levels added _PL_STATION-PARTIAL (ROUNDED) created Partial Station (Rounded) for Labeler added labels for ROW, SUDA and Survey set dimension style for Text Label Element Template Updated Item Types from FDOT_Item_Types.dgnlib. Updated item types with ôThicknessö to change property definition name to ôLiftö to fix conflict with Bentley element property named Thickness. Upgraded copy to 10.10 schema. Copied and updated to match 10.9 changes that added item types for LitterRemoval, Mowing, and PerformanceTurf2D. Add partial station Created a text favorites for scale to be shown on XS Sheets and Profiles Created a text favorite of Partial Stations for plan for traffic tools Added the text favorites to the annotation groups for XS and Profile THis will automate a scale depending on annotation group applied Created _PR_ELEVATION Text Favorite Removed STA. from Plan Station Offset Partial Text Favorite created a new text style for the elevation grid for Elevation of Structures created new text favorite to call new text style

Drainage Cells	/FDOT/Cell/Drain3D.cel /FDOT/Cell/drplan.cel	Changes to cells for release.
FDOT Ribbon	/FDOT/Dgnlib/GUI/FDOT_RIBBON_TAB.dgnlib	removed signing and pavement marking cell library from ribbon updated About button for new version popup added the new keyin tool for the Attach Survey Reference tool to the FDOT Ribbon Roadway Group added a link to the training guides and you tube training channel to the CADD Links in the Help Group added Replace Parent and Replace Child to the Common Tools Group of the Geometry Tab moved Complex Redefine to group with these tools changed "CADD Support" to "CADD Links" checking in new variable for workspace doctor and geotech tools (CIVIL_ORGANIZATION_ROOT) This will be added to the key-in moving CADD Manual link under CADD Support menu, with the rest of the CADD links adding in changes that were made in 10.09 to 10.10 ribbon Attach Survey Reference is a new dll CopyReference Level is new dll Added the FDOTSurvey Tab with common Groups and new tools to report Point Geometry
FDOT Cell Webpages	/FDOT/Cell/fdotcells_Roadway.htm	Removed Traffic Plans cells from webpage. These should be placed by Traffic Plans tool
FDOT OBM Ribbon	/FDOT/Dgnlib/GUI/FDOT_OBM_RIBBON_TAB.dgnlib	MODIFIED REBAR CHART PATH $(CIVIL_ORGANIZATION_ROOT) Edit Standards Packager path $(CIVIL_ORGANIZATION_ROOT)
FDOT DWG File	/FDOT/Seed/fdotmaster2018.dwg	Added for the translation of dgn to dwg files using FDOT standards
FDOT Sheet Seed	/FDOT/Seed/Sheets/FDOT Sheet Seed.dgn	updated file from steve it was missing the bridge number in all sheet models took item type away for EOR and drawn by, checked by replaced user, date, time, location to left hand side of sheet
Typical Section Package Seed	/FDOT/Seed/FDOT-ORD-TypicalPackageSeed.dgn	adding florida map to typical section cover sheet, per updates to fdm updating with revised typ section cover cell created new sheet model for cover sheet
Cell Libraries	/FDOT/Cell/TypicalSection.cel /FDOT/Cell/Roadway.cel /FDOT/Cell/Sheets.cel /FDOT/Cell/TypicalSection.cel /FDOT/Cell/Roadway.cel /FDOT/Cell/PavementMarkings.cel /FDOT/Cell/PavementMarkings.cel /FDOT/Cell/row.cel /FDOT/Cell/Signalization.cel /FDOT/Cell/Sheets.cel /FDOT/Cell/DetailSymbols.cel	added cell for detailing callout, removed ones that weren't being used Changed Geotech "Artesian Flow" to "ArtesianFlow" cell name Added Geotech Artesian & FluidLoss cells updating roadway key sheet cells per fdm 910 Revised CSREF sheet cell title and header. New signalization cell file with rescaled cells Rescaled ROW North Arrow down by 1/12. Re-added Pavement Marking Roundabout approach arrows (fish hooks have been deleted) Add Roadway Curb Ramp updating cells for roadway key sheet and typ section package cover adding florida map to typical section cover sheet, per updates to fdm
Display Styles	/FDOT/Dgnlib/Display Styles/FDOT_DetailingSymbolStyles.dgnlib	Updated all detailing symbol styles, removed ones that weren't being used removed old models that weren't being used

Standards Data	/FDOT/StandardsData/CADDStandards.xml /FDOT/StandardsData/CADDStandardsLookup.xml	made changes to the standards that include changing the default model in structure sheet file from 2d to 3d removing actions from structure sheet files regrouping structure files to Superstructure, Geotechnical Sheet Files, made RWLINE, RWSECTION, RWPAR inactive files for Right of WAy added actions to RW control files to create the following DEsign Models model create design ALGNRW BaseLineSurvey/CenterLineConstruction; model create design RWJURISDICTION JurisdictionalAndAgencyLines;model create design RWLINES ExistingRightOfWay; model create design RWLOC LimitsOfConstruction; model create design RWPARCELS ParentTractsEasmentAndTakes; model create design RWSECTION GovernmentSectionsAndGrants; model create design RWSUBDIV SubdivisionAndPropertyLines created new structures geotech boring design file B#SPTBBR* Changed the seed file for the Beamlayout files to be 3D default created new levels for existing modeling _em created new folder in Template Points called Existing which will include the following element Templates Created PMStripe24B per request from Randy for Traffic Tools Created Feature Definitions and Feature Symbology for new _em Levels added new levels and mark old levels inactive the are replaced by new levels added all new levels to the appropriate rule created new levels for earthwork workflow SubGrade_em, SubGrade_ex Created new element templates for Terrain Features for SubGrade Existing and SubGradeProposed Created Template point name Feature definitions Created new levels for DTMBotMesh_px, DTMTopMesh_px to be viewed in a 3D Model
Seed Files	/FDOT/Seed/FDOT-OBM-StructuresSheetSeed3d.dgn /FDOT/Seed/FDOT-OBM-StructuresSeed2d.dgn /FDOT/Seed/FDOT-ORD-KeyMapSeed.dgn	renamed ORD sheet model to "Key Sheet" from "Component Key Sheet" as all key sheets will now require the same information box per FDM 910 Set iTwin settins OBM 2D Need to change the Degree of Curve Length in the Radius Settings from 328' which is metric conversion to 100' for English This is set in all of FDOT Seed files adding a new seed file for OBM to have 3D Sheet files
Workset Template	/Workspaces/FDOT/WorkSets/0_WORKSET_TEMPLATE/Geotechnical/BoreholeSample.xlsx /Workspaces/FDOT/WorkSets/0_WORKSET_TEMPLATE/Calculations/BlankTemplates/Summary of Monitor Existing Structures.xlsx /Workspaces/FDOT/WorkSets/0_WORKSET_TEMPLATE/Calculations/BlankTemplates/Summary of Temporary Traffic Control Plan Items.xlsx /Workspaces/FDOT/WorkSets/0_WORKSET_TEMPLATE/Calculations/BlankTemplates/Summary of Intelligent Transportation Systems Items.xlsx /Workspaces/FDOT/WorkSets/0_WORKSET_TEMPLATE/Calculations/BlankTemplates/Summary of Signalization Items.xlsx	Updated Summary templates to include Element ID. removing native Bentley "OUT" folder Added secondary quantity columns to Summary template Removed obsolete Existing Structures summary template. added geotech color coding to location input areas
User Interface	/FDOT/Dgnlib/GUI/FDOT_MSCE_RIBBON_TAB.dgnlib /FDOT/Dgnlib/GUI/FDOTtoolboxes.dgnlib	adding context menu for KEYSRD removed the Placebore Holes tool from the Microstation FDOT Ribbon. These tools are based on Civil data and cannot be used in MicroStation

Macros	/FDOT/Macros	adding back in to get right click menu to work correctly
	/FDOT/Macros/SnappableToggle.mvba	
	/FDOT/Macros/SnappableToggle_Levels.txt	
	/FDOT/Macros/ViewControlConfigurations.xml	
	/FDOT/Macros/ViewSet Readme.txt	
	/FDOT/Macros/ViewSet.mvba	