

## September 23<sup>rd</sup>, 2021 (2)

### OHDOT\_Text\_Dimension\_Styles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Fixed spelling error of the Drainage&Utilities folder in the Text favorite Manager (it was Drainge&Utilities)

### OHDOT\_Features\_DrainageAndUtilities.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Updated Annotation groups to set Text favorite correctly do to spelling correction made to the OHDOT\_Text\_dimension\_Styles.dgnlib.

### OHDOT\_Civil\_Labeler.xml

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Updated Plan-StormConduit-P, Profile-SanitaryConduit-P, ProfileSanitaryConduit-X, Profile-StormConduit-P, and Profile-SotrmConduit-X labels to set placement method to Data point and rotation option to tangent.

### OHDOT\_Civil\_Labeler\_TextFavorites\_ElemTemp.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Removed text styles that inadvertently got copied into this file from the OHDOT\_v2 workspace
- Updated Dimension styles to set font to Arial.

## September 23<sup>rd</sup>, 2021

**\*Some files have been updated with ORD 2021 R1 (10.10) (See sync tool for which files)!**

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Cell\](#)

- Removed diagonal line in bottom corner of INTERIOR\_BRDG1 cell that should not have been there

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Updated the following variables to be set more specifically instead of MS\_DGNLIBLIST.
  - MS\_DGNLIBLIST\_ELEMENTTEMPLATES >   
\$\_USTN\_WORKSPACESTANDARDS)Dgnlib/Feature Definitions/OHDOT\_Feature\_Definitions.dgnlib
  - MS\_DGNLIBLIST\_ELEMENTTEMPLATES >   
\$\_USTN\_WORKSPACESTANDARDS)Dgnlib/Feature Definitions/OHDOT\_Features\_DrainageAndUtilities.dgnlib
  - MS\_DGNLIBLIST\_DRAWINGSEEDS >   
\$\_USTN\_WORKSPACESTANDARDS)Dgnlib/Sheet Seeds/\*.dgnlib
  - MS\_DGNLIBLIST\_ITEMTYPES <   
\$\_USTN\_WORKSPACESTANDARDS)dgnlib/ItemTypes/OHDOT\_ItemTypes.dgnlib
- Added the following variables:

- MS\_DGNLIBLIST\_ELEMENTTEMPLATES >  
 \$(\_USTN\_WORKSPACESTANDARDS)Dgnlib/Feature  
 Definitions/OHDOT\_Civil\_Labeler\_TextFavorites\_ElemTemp.dgnlib
- MS\_DGNLIBLIST\_DIMENSIONSTYLES <  
 \$(\_USTN\_WORKSPACESTANDARDS)dgnlib/Feature  
 Definitions/OHDOT\_Civil\_Labeler\_TextFavorites\_ElemTemp.dgnlib
- MS\_DGNLIBLIST\_TEXTFAVORITES >  
 \$(\_USTN\_WORKSPACESTANDARDS)Dgnlib/Feature  
 Definitions/OHDOT\_Civil\_Labeler\_TextFavorites\_ElemTemp.dgnlib
- CIVIL\_LABELER\_XMLFILE = \$(\_USTN\_WORKSPACESTANDARDS)Dgnlib/Feature  
 Definitions/OHDOT\_Civil\_Labeler.xml
- CIVIL\_CROSSECTION\_NAVIGATOR\_ENABLE\_DRAFTING\_TOOLS = 1
- MS\_PLT\_MAX\_WORKER\_TASKS = 2000
- CIVIL\_ENABLE\_QUICK\_PRINTSERVER = 1
- Removed the follow variable
  - CIVIL\_CONTENTMANAGEMENTDGNLIBLIST >  
 \$(\_USTN\_WORKSPACESTANDARDS)Dgnlib/Feature  
 Definitions/OHDOT\_Text\_Dimension\_Styles.dgnlib
- Corrected: OHDOT\_NOTES to remove extra 'S' in \$(\_USTN\_WORKSPACESTANDARDS) variable.

### OHDOT\_ItemTypes.dgnlib

Path: [\OHDOT\Standards\Dgnlib\ItemTypes\](#)

- Added OHDOT\_DU Item Type library containing OHDOT\_DrainageConduit, OHDOT\_DrainageNode, and OHDOT\_UtilityConduit item types with several item type properties used with drainage and utility annotation.

### OHDOT\_Text\_Dimension\_Styles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added several new Text favorites under a new Drainage&Utilities folder.
- Removed survey feature T, along with accompanying settings like feature symbology, annotation group/definitions, and element templates that should not have been in this file.

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- The alignment Annotation Groups were revised so that three sets of annotations are no longer placed. Separate annotation groups are now provided for 100', 500', and 1000' station options.

The following annotation groups were removed:

- P Alignment Stationing
- P Alignment Stationing – Force All Left
- P Alignment Stationing – Force All Right
- P Alignment Stationing – Stations Right
- X Alignment Stationing
- X Alignment Stationing – Force All Left
- X Alignment Stationing – Force All Right
- X Alignment Stationing – Stations Right
- P CL RW Stationing

- X CL RW Stationing

The following Annotation Groups were added:

- P Alignment 100' Stations
  - P Alignment 100' Stations, Force All Left
  - P Alignment 100' Stations, Force All Right
  - P Alignment 100' Stations, Stations Right
  - P Alignment 500' Stations
  - P Alignment 500' Stations, Force All Left
  - P Alignment 500' Stations, Force All Right
  - P Alignment 500' Stations, Stations Right
  - P Alignment 1000' Stations
  - P Alignment 1000' Stations, Force All Left
  - P Alignment 1000' Stations, Force All Right
  - P Alignment 1000' Stations, Stations Right
  - X Alignment 100' Stations
  - X Alignment 100' Stations, Force All Left
  - X Alignment 100' Stations, Force All Right
  - X Alignment 100' Stations, Stations Right
  - X Alignment 500' Stations
  - X Alignment 500' Stations, Force All Left
  - X Alignment 500' Stations, Force All Right
  - X Alignment 500' Stations, Stations Right
  - X Alignment 1000' Stations
  - X Alignment 1000' Stations, Force All Left
  - X Alignment 1000' Stations, Force All Right
  - X Alignment 1000' Stations, Stations Right
  - P CL RW 100' Stations
  - P CL RW 500' Stations
  - P CL RW 1000' Stations
  - X CL RW 100' Stations
  - X CL RW 500' Stations
  - X CL RW 1000' Stations
- The following Feature Symbolologies for alignments have been modified to use 100' Stationing Annotation Groups as the default:
    - Linear > Alignments > GE\_P\_Alignment
    - Linear > Alignments > GE\_P\_Driveway
    - Linear > Alignments > GE\_X\_Alignment
    - Linear > Alignments > GE\_P\_CL\_RW
    - Linear > Alignments > GE\_X\_CL\_RW
  - Added DR\_Gutter level for use with the Feature Definitions needed to place gutters within the DU tools.
  - Added DR\_Channel level for use with the Channel Feature Definition.
  - Added DR\_Ditch level for use with Ditch feature definitions
  - Added DR\_CrossSection level for use with Cross Section Feature Definitions

- Added UT\_X\_Oil\_Text level for annotation purposes.
- Fixed the Mesh MD\_P\_Underdrain feature which had the Mesh Surface Feature Symbology set to MD\_P\_Undercut when it should have been set to MD\_P\_Underdrain.
- Removed all the XS levels. These levels were used with GEOPAK Criteria and are not used with ORD Feature Definitions or Element Templates
- Removed the Cross Sections filter that was used with the XS levels
- Renamed the following levels:
  - DT\_P\_Tin\_Hull to DT\_P\_Terrain\_Boundary
  - DT\_X\_Tin\_Hull to DT\_X\_Terrain\_Boundary
  - XS\_X\_Ground\_Line to DT\_X\_Terrain\_Ground\_Line
- Revised Terrain Element Templates to use the renamed Terrain Boundary levels

### OHDOT\_Features\_DrainageAndUtilities.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Updated Combined Sewer System Feature Definitions to define feature symbologies. There were somehow removed in a previous update to this file.
- Attached Item Type to all Drainage and utility feature definitions and defaulted some item type property values.
- Changed the GenericNode-P and GenericNode-X Feature Definitions to set the Structure Type to Outfall rather the Inlet Grate
- Created the following Feature Definitions and accompanying feature symbologies and element templates and prototypes
  - GutterSections
  - UseStartNode
  - UserEndNode
  - Type1,2A,2B,6\_Curb
  - Type2\_CurbGutter
  - Type3\_CurbGutter
  - Type3A,3B\_Curb
  - Type4\_CurbGutter
  - Type4A,4B,4C\_Curb
  - Type7\_Curb
  - Type8\_Curb
  - CrossSection-FromSurface
  - CrossSection-UserDefined
  - Grass 2'w x 1'd @ 2:1
  - Grass 2'w x 1'd @ 3:1
  - Grass 2'w x 1'd @ 4:1
- Added Channel FD and Ditch FD and prototypes
- Added several element templates for all the utility text levels.
- Added the follow annotation groups and annotation definitions
  - Utilities
    - Electric-P-Type
    - Electric-X-Type
    - Telecom-P-Type
    - Telecom-X-Type
    - Cable\_TV-X-Type

- Water-P-SizeType
- Water-X-SizeType
- Gas-P-SizeType
- Gas-X-SizeType
- Oil-X-SizeType
- Drainage\_Sanitary
  - Drainage-X
  - Drainage-P
  - Sanitary-X
  - Sanitary-P

### **OHDOT\_DrainageAndUtilities.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Updated all inlets rotation line to have the rotation when placing start towards the center line. This was done for the analytics side if a user wants the software to get the gutter/roadway slope from the model.

### **Drainage and Utilities Text Favorites.xlsx**

Path: [\OHDOT\Standards\OHDOT Utilities\Documentation\](#)

- Updated to list the new text favorites for Drainage and Utilities.

### **Sheet Clipping DGNLIBS**

Path: [\OHDOT\Standards\Dgnlib\Sheet Seeds\](#)

- Updated all the sheet dgnlib's drawing models to use new reference option Synchronize View > Settings from Design Model

### **CreateDesignFiles.dll, v1.0.0.14**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed problem that was resetting seed file back to default when scrolling.

### **CreateDesignFiles.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

### **OHDOTSheetCells.dll, v1.0.0.4**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed crashing error that happened when placing OHDOT sheet with the OHDOT Sheets window closed.

### **OHDOTSheetCells.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### **OHDOT\_Labels.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Updated \_Lbl\_Pln\_FeatureName cell to use Plan P FeatureName Text Favorite.

### **OHDOT\_DirtCalc.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Removed the option to measure end areas by “flooding” areas since it will not function with the element types used for ORD cross section graphics
- Modified the colors for area and length measurement text for better visibility with the ORD Drawing Model background color
- Changed the level for area and length measurement text to SC\_Scratch1

### **OHDOT\_SCD\_List.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Updated to correct text spacing with ORD version 10.10

### **OHDOT\_PavtMarking.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- New application to place chevron/separation pavement markings

### **OHDOT\_PavtMarking.pdf**

Path: [\OHDOT\Standards\Vba\Docs\](#)

- New file that documents the new OHDOT\_PavtMarking.mvba app.

### **OHDOT\_GUI.dgnlib**

Path: [\OHDOT\Standards\DGNLIB\DUI\](#)

- Added a button to the OHDOT > Apps tab for the OHDOT\_PavtMarking.mvba application
- Added a button to the OHDOT > Apps tab in the Plan Prep section for the OHDOT Item Type Sync application.
- Removed OHDOT\_IntersectionDetails from the interface. Use the new Bentley Civil Labeler for these annotations
- Removed OHDOT\_PlanLabels from the interface. Use the new Bentley Civil Labeler for these annotations

### **Itemtypesync\_icon.ico**

Path: [\OHDOT\Standards\DGNLIB\DUI\](#)

- Added icon for the Item Type Sync App.

### **OHDOTItemTypesync.dll**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- New Application to assist with annotation of drainage and utilities.

### **OHDOT\_Civil\_Labeler.xml**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- New file for new civil labeler contains several labels.

### **OHDOT\_Civil\_Labeler\_TextFavorites\_ElemTemp.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- New file containing text favorites, element templates, and dimension styles used with Civil Labeler.

### Empty Folder cleanup

Path: [varies](#)

- Removed the following empty folders
  - Standards/Symb
  - Standards/OHDOT Utilities/Documentation/General
  - Standards/OHDOT Utilities/Documentation/Plotting
  - Standards/OHDOT Utilities/Documentation/VBA
  - Standards/OHDOT Utilities/ProjectTools/Documentation
  - Standards/OHDOT Utilities/Utilities/Documentation

### Delete ORD Prefs.bat

Path: [\OHDOT\Standards\OHDOT Utilities\ProjectTools](#)

- Removed as this file already exists in the Utilities folder.

### Notes

Path: [\OHDOT\Standards\OHDOT Utilities\Notes\](#)

- Updated the following note files
  - 2020bridge600.not
  - 2020bridge700.not
  - Bicycles.not
  - drainage.not
  - Environmental.not
  - Erocontrol.not
  - General.not
  - Markings.not
  - Pavement.not
  - School.not
  - Signals.not
  - Signs.not
  - Vol1\_Roadway.not
  - Water\_Quality.not

### Pen Tables

Path: [\OHDOT\Standards\Pltcfg\](#)

- Revised reference grayscale shading to color 38.
- Revised logical name search expression to search for “gray” anywhere in logical name instead of only at the beginning.

## August 18<sup>th</sup>, 2021

### OHDOTSheetManager.dll

Path: [\OHDOT\Standards\Applications\Addins\](#)

**v1.0.0.13**

- Updated to fix bug that was prevented item types from being updated when using import from excel. This bug was introduced with the previous version (1.0.0.12) of this app.

### **OHDOTSheetManager.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

## August 13<sup>th</sup>, 2021

### **OHDOT\_Templates.itl**

Path: [\OHDOT\Standards\Template Library\](#)

- Added several templates for Special Benching within in the OHDOT\End Conditions\Special Benching\ folder.

### **OHDOTSheetManager.dll**

Path: [\OHDOT\Standards\Applications\Addins\](#)

**v1.0.0.12**

- Updated to handle sheet cells being placed as a shared cell. Placing sheet border cells as shared cells is NOT recommended.

### **OHDOTSheetManager.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### **OHDOT\_SCD\_List.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Updated to account for commas in the SCD name (Hydraulics now has commas in SCD names.
- Made first column of drainage SCD wider to account for longer SCD names.

### **OHDOT\_Features\_DrainageAndUtilities.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Updated Sanitary Conduit Catalog to match the Conduit thickness on L&D Manual V2.
- Fixed the Sanitary Line-X Feature Definition Profile Feature Symbology to be set to Sanitary Line-X instead of Sanitary Pressure Line-X
- Made several updates to the drainage settings, including
  - Imported culvert coefficients
  - Created several more prototypes for headwall, conduits and inlets to default values differently for existing vs proposed.
  - Fixed several settings in the prototypes.
  - Set up inlet catalog items for inlets and created prototype and defined them on all inlet Feature Definitions
- Doubled inlet 2 and 2A feature definitions to account for if the manhole should be on the left or right side. Names have MHL for Man Hole Left and MHR for Man Hole Right appended to feature names. (left and right are from the orientation of looked at the inlet)
- Created CB2-2C Feature Definitions.
-



### OHDOT\_DrainageAndUtilities.cel

Path: \OHDOT\Standards\Cell\

- Created new cells to account for inlet 2 and 2A types where the manhole is on the right side instead of the left side.

### OHDOT\_Feature\_Definitions.dgnlib

Path: \OHDOT\Standards\Dgnlib\Feature Definitions\

- Updated MD\_P\_SB\_Bench feature definition to set a profile feature symbology.
- Added the following levels:
  - MU\_Markup\_Cloud, MU\_Markup\_Cloud2, MU\_Markup\_Cloud3
  - MU\_Markup\_Text, MU\_Markup\_Text2, MU\_Markup\_Text3
- Added the following Level Filter:
  - Markup
- Changed name of the following Survey Feature Definitions to add an underscore in the name before the “2D” portion of the name. This is necessary to avoid conflicts when processing survey data using the Apply Best Match Feature option.
  - BLD\_2D, FEN\_2D, GRBAR\_2D, GRLT\_2D, GRRT\_2D, LINE\_2D, PAD\_2D, STEPS\_2D, WALK\_2D, X\_2D
- Corrected Feature Symbology Surface\Modeling\Components\MD\_P\_Undercut to set correct 3D Element Template.
- Corrected the cell for the following feature:
  - Feature Definitions\Point\Pavement Marking\Lane Arrows\PM\_P\_Lane Arrow Left
- Added the following feature definition:
  - Feature Definitions\Point\Pavement Marking\Lane Arrows\PM\_P\_Lane Arrow Left-Right
- Fixed the cell definition for the existing guardrail right XS element template.
- Added vertical curve annotation to Annotation Groups - Profile\Drawing\Profile Grid – xx’ Vert xx’ Horiz Lines-xx’ Vert xx’ Horiz Labels and Profile\Drawing\Profile Grid – Drive Profile
- Added new Bridge levels for use with OpenBridge Modeler workspace configuration and testing. (Note: OpenBridge Modeler workspace is under development and not yet available for use.)
- Created the following new levels
  - PF\_X\_Intermediate\_Ground\_Line
  - DT\_IntermediateSurface
  - MD\_P\_Special\_Benching\_CheckPoint
  - DT\_P\_AlternateSurface
  - DT\_P\_AlternateSurface2
  - DT\_P\_AlternateSurface3
  - DT\_P\_AlternateSurface4
  - DT\_P\_AlternateSurface5
- Added the following Feature Definitions (and corresponding feature symbology/element templates.
  - Terrain/Existing/X\_IntermediateSurface
  - Terrain/Proposed/P\_AlternateSurface
  - Terrain/Proposed/P\_AlternateSurface2
  - Terrain/Proposed/P\_AlternateSurface3
  - Terrain/Proposed/P\_AlternateSurface4
  - Terrain/Proposed/P\_AlternateSurface5

- Set the Linear Feature Symbology for superelevation section in the Superelevation Feature definition.

### Survey Field Codes

Path: [\OHDOT\Standards\Survey Files\Field Codes\](#)

- Changed name of the following Survey Feature Definitions to add an underscore in the name before the “2D” portion of the name. This is necessary to avoid conflicts when processing survey data using the Apply Best Match Feature option.
  - BLD\_2D, FEN\_2D, GRBAR\_2D, GRLT\_2D, GRRT\_2D, LINE\_2D, PAD\_2D, STEPS\_2D, WALK\_2D, X\_2D
- Updated the PDF code list files to reflect changes to the various 2D codes noted above:
  - OHDOT\_Field\_Codes\_Alphabetical.pdf
  - OHDOT\_Field\_Codes\_Category.pdf
- Updated the Data Collector Code Lists to reflect changes to the various 2D codes noted above:
  - OHDOT20210611\_Leica.zip
  - OHDOT\_20210611\_Trimble.zip

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Updated the OpenBridge Modeler part for change in directory path with the 10.9 version  
%if exists (\$(\_USTN\_INSTALLED\_CONFIGURATION)Organization-Civil\Civil Default Standards - Imperial\Prostructures\application.cfg)  
\_PS\_WORKSPACESTANDARDS = \$(\_USTN\_INSTALLED\_CONFIGURATION)Organization-Civil\Civil Default Standards - Imperial\Prostructures\  
PS\_DRAWINGFRAMES =  
\$(\_USTN\_INSTALLED\_CONFIGURATION)Organization\ProStructures\Details\Frames\  
% include \$(\_USTN\_INSTALLED\_CONFIGURATION)Organization-Civil\Civil Default Standards - Imperial\Prostructures\application.cfg  
%endif  
%if exists (\$(\_USTN\_INSTALLED\_CONFIGURATION)Organization-Civil\Bridge Default Standards - Imperial\Prostructures\application.cfg)  
\_PS\_WORKSPACESTANDARDS = \$(\_USTN\_INSTALLED\_CONFIGURATION)Organization-Civil\Bridge Default Standards - Imperial\Prostructures\  
PS\_DRAWINGFRAMES =  
\$(\_USTN\_INSTALLED\_CONFIGURATION)Organization\ProStructures\Details\Frames\  
% include \$(\_USTN\_INSTALLED\_CONFIGURATION)Organization-Civil\Bridge Default Standards - Imperial\Prostructures\application.cfg  
%endif

### Sheet Clipping DGNLIBS

Path: [\OHDOT\Standards\Dgnlib\Sheet Seeds\](#)

- Updated all of the sheet dgnlibs to set SH\_Text as the active level in both the Drawing and Sheet models

### Addins

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Updated OHDOT\_GeometryPoints with the following improvements:
  - Updated the application to use a CSV file with the list of Survey Features that are considered as monument or control points.
  - Modified the code to display only “final” alignments.
  - Added an error trap to prevent the app from crashing in cases when a reference attachment is missing
  - Added the file **SurveyControlPointFeatureList.csv** containing the list of feature definitions that are considered as monument and control points for the application
- Updated the PDF documentation for the app  
Path: [\OHDOT\Standards\Applications\Docs\OHDOT\\_GeometryPoints.pdf](#)

### Training docs

- Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design\Exercises\](#)
- Minor changes to the ORD Design exercise sections to note a change to the location of the training data for internal ODOT users
  - Updated section 802 Cross-Section Sheets

### OHDOT\_Bridge.cel

- Path: [\OHDOT\Standards\Cell\](#)
- Fixed text in STITLE cell to use correct level.
  - Updated dimension styles for REBAR cells to match current dimension style symbology.
  - Fixed annotation scaling problem with REBAR29, REBAR28, REBAR31 cells.
  - Added new cell, REBAR37 (note Rebar app not update for this yet)

### OHDOT\_Pen.tbl

- Path: [\OHDOT\Standards\Pltcfg\](#)
- Removed Color 255 from the Element Selection Criteria for the “Black” Element Section.

### OHDOT\_UTPen.tbl

- Path: [\OHDOT\Standards\Pltcfg\](#)
- Removed Color 255 from the Element Selection Criteria for the “Black” Element Section.

### Notes

- Path: [\OHDOT\Standards\OHDOT Utilities\Notes\](#)
- Updated the following note files
    - Highway\_Lighting.not
    - ITS.not
    - Signals.not
    - Temp\_Traffic\_Control.not

**June 1<sup>st</sup>, 2021**

**\*Some files have been updated with ORD 2020 R3 (See sync tool for which files)!**

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Created new Feature Definitions, levels, element templates, feature symbologies for Existing Asphalt Pavement Removed and Existing Concrete Pavement Removed.
- Changed Existing Asphalt and Existing Concrete Feature Definition Volume options back to None.
- Created new Feature Definition, MD\_P\_Special\_Benching\_Cut with volume option set to cut.
- Added new Feature Definition, MD\_P\_SB\_Bench\_CheckPoint.
  - Added corresponding Feature Symbology and Element Template
- Added new feature definition, MD\_P\_Special\_Benching\_NoVolume.
- Updated and corrected several right of way line styles.
- Created new Feature Definitions, Levels, Element Templates, Feature Symbologies for Subgrade template components and points.
- Created new Feature Definitions, Levels, Element Templates, Feature Symbologies for Finished Grade Seeded components.
- Enabled the following linking codes in the Survey Settings:
  - NonTanPC, Linking code = NTC\*, Numeric substitution = 5
  - NonTanPT, Linking code = NTT\*, Numeric substitution = 6

### OHDOT\_Symbols.cel

Path: [\OHDOT\Standards\Cell\](#)

- Added new cell, VerticalMarker, used with the MD\_P\_Bench\_CheckPoint, used to show on dynamic cross sections.

### OHDOT\_3D\_Headwalls.cel

Path: [\OHDOT\Standards\Cell\3D\](#)

- Updated the following cells to Fixed typo in HW2.2\_Parametric, Variation = Circular 96", variable W was incorrectly set to 1.5', changed to 18'

### Visual Basic Applications

Path: [\OHDOT\Standards\vba\](#)

- Ported the OHDOT\_TextMasking application to CONNECT from the ODOTcadd standards
  - Only works if in ORD 2020 R3 or later.

### OHDOT\_GUI.dgnlib

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Added a button to the Plan Preparation group to open the OHDOT\_TextMasking.mvba application
- Added a button to the Survey group open the OHDOT\_GeometryPoints application

### ODOT Codes by Topcon.mxl

Path: [\OHDOT\Standards\Survey Files\Field Codes\](#)

- Added ODOT Survey Code File for Topcon Data Collectors

### Training Guides

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OHDOTCADDWorkSpaceBasics\](#)

- Training guide renamed from "Learning the ODOT CADD WorkSpace" to "OHDOT CADD WorkSpace Basics". A dataset for this guide is not included at this time.

## Addins

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Updated OHDOTPWWrappers.dll and OHDOTPWWrappers.pdb
- Added the new application OHDOT\_GeometryPoints. This application is compatible with ORD 2020 R3 or greater.

## Application Documentation

Path: [\OHDOT\Standards\Applications\Docs\](#)

- New document OHDOT\_GeometryPoints.pdf

## Sheet Clipping DGNLIBs

Path: [\OHDOT\Standards\Dgnlib\Sheet Seeds\](#)

- Recreated sheet seed to fix drawing seed not found issue:
  - OHDOT\_Culvert-Site-Plan (FullSheet).dgnlib
- Toggled off “Scale Line Styles by Reference Scale” for reference attachments in sheet models:
  - OHDOT\_Culvert-Site-Plan.dgnlib
  - OHDOT\_Culvert-Site-Plan (FullSheet).dgnlib
  - OHDOT\_Bridge-Site-Plan.dgnlib

## OHDOT\_Materials.dgnlib

Path: [\OHDOT\Standards\Materials\Sheet Seeds\](#)

- Created new material called dcdrape, for draping rasters to surfaces.

## OHDOT\_LineStyles.rsc

Path: [\OHDOT\Standards\rsc\](#)

- Fixed End Width of second stroke/dash.
  - esmtmpr\_WD
- Corrected / re-linked compound components so that the non-wide styles did not use wide component stroke definitions.
  - rowlapr / rowlapr\_WD
  - roworkagreepr / roworkagreepr\_WD
  - esmtsceX / esmtsceX\_WD

## OHDOT\_Templates.itl

Path: [\OHDOT\Standards\Template Library\](#)

- Added points for Subgrade (SG\_xx) to the point name list.

## OHDOT\_UTPen.tbl

Path: [\OHDOT\Standards\Pltcfg\](#)

- Added sections to plot drainage, lighting, and signals in color.
- Added color 20 to Yellow\_Uilities section.

## OHDOT\_Labels.cel

Path: [\OHDOT\Standards\Cell\](#)

- Adjusted levels of table lines for the cross-section quantity cell from SH\_Masking to SH\_Data and replaced seeding data fields with a point to use to place seeding text. If XS are reannotated and data fields were manually edited the data field text would be lost.

### Delete MSCE Prefs.bat

Path: [\OHDOT\Standards\OHDOT Utilities\Utilities\](#)

- Updated to remove all user prefs folders not just the 10.0.0 folder.

### Delete ORD Prefs.bat

Path: [\OHDOT\Standards\OHDOT Utilities\Utilities\](#)

- Updated to remove all user prefs folders not just the 10.0.0 folder.

## May 7<sup>th</sup>, 2021

### Training Guides

Path: [\OHDOT\Standards\OHDOT Utilities\Training\LearningTheOHDOTCADDWorkSpace\](#)

- Added a new training guide “Learning the ODOT CADD WorkSpace”. The dataset for this guide is not included at this time.

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Imported new “cl” linestyle from OHDOT\_LineStyles.rsc.
- Added new linestyle motpcb12
- Changed bylevel and override symbology of centerline/geometry levels that previously used line codes 4 and 7 to use new “cl” linestyle.
- Changed bylevel and override symbology for all levels using color 4 to color 20 for better viewing on white backgrounds such as sheet models and PDFs.

### OHDOT\_LineStyles.rsc

Path: [\OHDOT\Standards\rsc\](#)

- Add new linestyle “cl”.
- Added new linestyle motpcb12

### Sheet Clipping DGNLIBs

Path: [\OHDOT\Standards\Dgnlib\Sheet Seeds\](#)

- Added the following DGNLIBs:
  - OHDOT\_Culvert-Site-Plan.dgnlib (for culvert detail similar to [SP 1312-7](#))
  - OHDOT\_Culvert-Site-Plan (FullSheet).dgnlib (for culvert detail similar to [SP 1312-2](#))
  - OHDOT\_Plan (SubsetNum).dgnlib (title block for sub-set plan numbering)
  - OHDOT\_Plan-Plan (SubsetNum).dgnlib (title block for sub-set plan numbering)
  - OHDOT\_Plan\_Pro (SubsetNum).dgnlib (title block for sub-set plan numbering)
- Updated Named Boundary name for consistency with other sheet seeds:
  - OHDOT\_Bridge-Site-Plan.dgnlib

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Cell\](#)

- Added cells:
  - INTERIOR\_CULVERT1
  - INTERIOR\_CULVERT2
  - INTERIOR\_TITLE 8.5x11

### OHDOT\_Text\_Dimension\_Styles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Removed the foot tick mark suffix and/or comma thousands separator from profile elevation text favorites for consistency throughout.
- 

### OHDOT\_Feature\_DrainageAndUtilities.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added 15", 18", 21" sizes to Water Feature Definitions.
- Changed default Utility filter depth for Water from -3.5" to -4.5"

### Plan Notes

Path : [\ODOTcadd\Standards\ODOT\Notes\](#)

- Updated the following files to be current with January 2021 DRRC revisions.
  - Water\_quality.not
  - Signs.not
  - Signals.not
  - School.not
  - Pavement.not
  - Drainage.not
  - ITS.not
  - Markings.not
  - Signals.not
  - Temp\_Traffic\_Control.not
  - Vol1\_Roadway.not
  - Highway\_Lighting.not
    - Deleted 1142-5, 1142-6, 1142-7, 1142-8, 1142-9, 1142-10, 1142-10, 1142-11
  - Bicycles.not
  - Enviromental.not
  - General.not
  - 2020\_bridge600
    - Deleted 606.2 section 511
  - 2020\_bridge700
    - Updated notes

### OHDOT\_ORD\_Design\_900\_Drainage\_Utillities.pdf

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design\Guides](#)

- Updated the table listing the default settings for utility filters to change the default water depth from -3.5 to -4.5

**April 7, 2021****OHDOT\_Feature\_Definitions.dgnlib**Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Set Create Template Geometry to True for Linear > Modeling > Template Points > Bituminous Surface Treated or Stabilized Aggregate > MD\_P\_AGST\_T\_OS
- Added descriptions to the RW Annotation levels
- Removed the text string “etc...” from the description of a few levels and replaced it with “etc.” This was done to clear up some problems when exporting the levels to a csv file.
- Compressed the file.

**OHDOT\_Text\_Dimension\_Styles.dgnlib**Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- The dimension styles were changed to use color 0 for the dimension lines and line terminator

**OHDOT\_Feature\_DrainageAndUtilities.dgnlib**Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added 30”, 33”, 36”, 42”, 48”, 54”, 60” sizes to Sanitary Catalog.
- Added 30” and 36” sizes to Water Feature Definitions
- Fixed the naming of CB-3A-CurbGutter-X Feature Definition by removing the 1 from the end of the name.

**OHDOT\_DrainageAndUtilities.cel**Path: [\OHDOT\Standards\Cell\](#)

- Updated CB-3-X-Top, CB-3-X-Plan, CB-3-X-Bottom, CB-3A-X-Top, CB-3A-X-Plan, CB-3A-X-Bottom, CB-3A-P-Top, CB-3A-P-Plan, CB-3A-Bottom cells to have correct placement point as indicated in SCD CB-2.1 and CB-2.2

**SheetCellsList.csv**Path: [\OHDOT\Standards\Applications\Addins\](#)

- Updated Geotechnical Cross Section Sheet to use the BORDER\_2S sheet cell border instead of the BORDER\_1S, this adds one sub-title line.

**OHDOT\_GUI.dgnlib**Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Made OHDOT Sheet Cells button a split button and added button to run Place Agency Cell VBA. Place Agency Cell button only visible in a Sheet Model.

**OHDOT\_PlaceAgencyCell.mvba**Path: [\OHDOT\Standards\Vba\](#)

- This is a new visual basic application that will place the design agency cell/logo in the title block if a cell does not exist. Configuration Variable "DESIGN\_AGENCY\_CELLNAME" must be defined in workspace.



### OHDOT\_Notes.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Updated code that was causing a clipboard error. Seems related to a Windows 10 introduced bug. Hopefully this code change fixes this problem.

### OHDOT\_Templates.itl

Path: [\OHDOT\Standards\Template Library\](#)

- Added new components:
  - ODOT\Components\Curb\Curb - Type 2-A
  - ODOT\Components\Curb\Curb - Type 2-A Dropped
- Corrected curb width for components:
  - ODOT\Components\Curb\Curb - Type 7
  - ODOT\Components\Curb\Curb - Type 8

## March 18<sup>th</sup>, 2021

### OHDOT\_3D\_Headwalls.cel

Path: [\OHDOT\Standards\Cell\3D\](#)

- Updated the following cells to add in the conduit thickness variable which then sets the placement point of the cell at the invert of conduit rather than top of footing. Also added a point to represent this conduit invert.
  - HW1.1\_TypeA\_Parametric
  - HW1.1\_TypeB\_LeftAngle\_Parametric
  - HW1.1\_TypeB\_RightAngle\_Parametric
  - HWBC\_TypeA\_Parametric
  - HWBC\_TypeB\_LeftAngle\_Parametric
  - HWBC\_TypeB\_RightAngle\_Parametric
  - HWBC\_TypeC\_Parametric
- Replaced YouTube video showing placing cells with above listed changes. [Video Link](#)

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Forgot to list this update in the March 2<sup>nd</sup> 2021 update
  - MS\_DGNLIBLIST >  
\$(\_USTN\_WORKSPACESTANDARDS)Dgnlib/tables/OHDOT\_Table\_seeds.dgnlib

### OHDOT\_Table\_Seeds.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Tables\](#)

- New dgnlib containing MicroStation Tables. Currently only has the RWSUM table.
- Put inside new folder (Tables)

### RWSUM.xls

Path: [\OHDOT\Standards\Cadig\Templates\](#)

- Updated various things in file like font.

## Summary Sheets

Path: [\OHDOT\Standards\Config\](#)

- Updated the following summary files to display the actual page number across the top of each sheet rather than increment from page above. This is purely for display/information. It does not affect anything if you get these updates or not.
  - SubSummary\_Full\_Pavement.xlsx
  - SubSummary\_Full\_Pavement\_Markings.xlsm
  - SubSummary\_Full-Signing.xlsx
  - SubSummary\_Half.xlsx
  - SubSummary\_Half\_Pavement.xlsx
  - SubSummary\_Full.xlsx
- Fixed the following summary files to display LS in the Total for that column for LS items.
  - SubSummary\_Full\_Pavement.xlsx
  - SubSummary\_Full\_Pavement\_Markings.xlsm
  - SubSummary\_Full-Signing.xlsx
  - SubSummary\_Half.xlsx
  - SubSummary\_Half\_Pavement.xlsx
  - SubSummary\_Full.xlsx
  - Wall\_Est\_Quantity-Single.xlsx

## OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Corrected the element template feature symbology for the Linear > Modeling > Template Points > Misc > MD\_P\_UNDERDRAIN
- Added new annotation groups for alignment stationing. After an alignment is annotated, the user can edit the feature symbology setting in the local file to select one of these annotation groups to display the stations on the right side of the alignment, or force all annotations to the left or right sides.
  - P Alignment Stationing – Force All Left
  - P Alignment Stationing – Force All Right
  - P Alignment Stationing – Stations Right
  - X Alignment Stationing – Force All Left
  - X Alignment Stationing – Force All Right
  - X Alignment Stationing – Stations Right

A video demonstrating use of these options is available on the OHDOT Wiki Page:

[https://communities.bentley.com/communities/user\\_communities/ohio\\_dot\\_consultants/w/ohiodot---wikis/53763/alignment-annotation-options](https://communities.bentley.com/communities/user_communities/ohio_dot_consultants/w/ohiodot---wikis/53763/alignment-annotation-options)

## OHDOTXRef.dll, v1.0.0.3-v1.0.0.4

Path: [\OHDOT\Standards\Applications\Addins\](#)

- v1.0.0.3- Fixed problem that was showing all instances in file rather than selected model
- v1.0.0.4-Updated to have default search directory set to the active dgn file directory after that it will retain the last selected location.

## OHDOTXRef.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated to correspond with updates made to OHDOTXRef app..

### OHDOT\_ExistingStormSewer.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Corrected a problem that resulted in the starting end of a pipe being drawn at elevation 0 in certain cases.

### OHDOT\_Symbols.cel

Path: [\OHDOT\Standards\Cell\](#)

- Corrected elements of cells listed to be primary class elements instead of construction class.
  - SG\_DET\_DZ\_RADARP
  - SG\_DET\_DZ\_RADARX
  - SG\_DET\_SB\_RADARX
  - SG\_DET\_SB\_RADARP

## March 9<sup>th</sup>, 2021

### ViewControlConfigurations.xml

Path: [\OHDOT\Standards\Vba\](#)

- Revised the configuration for Plan/XS/3D to set the XS span across the available view width.

### OHDOT\_Feature\_DrainageAndUtilities.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

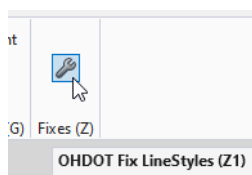
- Removed 19 linestyles that were copied into the file (linestyles are configured to be within the OHDOT\_Feature\_Definitions.dgnlib).

### OHDOT\_LineStyles.rsc

Path: [\OHDOT\Standards\rsc\](#)

- Fixed culvert09 linestyle which was set incorrectly to cosmetic instead of physical and was scaling with design scale instead of representing the actual physical size like it should have been.
- Fixed all the culvert linestyles (04-20) to place the outside edges of pipes as solid. It was incorrectly putting a dashed line on the one side

**NOTE:** To fix this problem in files that already used any of these custom linestyle, simply run the OHDOT\_FixLineStyles application found within the OHDOT workflow at the far right of the ribbon.



### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Updated culvert (04-20) custom linestyles with changes mentioned above in the OHDOT\_LineStyles.rsc.

## March 8<sup>th</sup>, 2021

### OHDOT\_Feature\_DrainageAndUtilities.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Fixed the element templates for HW-1.1 42-0-P which were incorrectly set to use the 48" cells.

### OHDOT\_DrainageAndUtilities.cel

Path: [\OHDOT\Standards\Cell\](#)

- Fixed the HW-1.1-48-0-P-Plan cell which was drawn with the incorrect sizes
- Fixed the HW-1.1-48-0-3D cell which had elements classified incorrectly causing bad rotations when placing with corresponded Feature Definition.
- Removed extra purple point from the following cells
  - HW-1.1-42"-0-P-Plan
  - HW-1.1-48"-0-P-Plan
  - HW-1.1-60"-0-P-Plan
  - HW-1.1-84"-0-P-Plan

## March 2<sup>nd</sup>, 2021

### OHDOTSheetManager.dll

Path: [\OHDOT\Standards\Applications\Addins\](#)

**v1.0.0.11**

- Added ability to tab between property values text boxes.

### OHDOTSheetManager.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### OHDOTCreateWorkSet.exe, v1.0.0.17

Path: [\OHDOT\Standards\Applications\](#)

- Updated internal side of app on how it assigns permissions.  
sheet

### OHDOTCreateWorkSet.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated to correspond with updates made to the OHDOTCreateWorkSet application.

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Corrected a minor error in the survey settings data import list that would prevent the OHDOT OH83/2011-NF PT,N,E,Z,Code option from displaying when importing a .txt file.

- Set the Create Template Geometry parameter to “True” for the Linear > Modeling > Template Points > Misc > MD\_P\_SAWCUT feature definition. This will draw the sawcut lines in the 2D model.
- Updated Ditch Annotation – Left Annotation Definition to include L-DITCH-INSIDE point
- Updated Ditch Annotation – Right Annotation Definition to include R-DITCH-INSIDE point
- Removed the following levels that are no longer used in the ORD Standards:
  - MT\_P\_CL\_20, MT\_P\_CL\_30, MT\_P\_CL\_40, MT\_P\_CL\_50
  - MT\_X\_CL\_20, MT\_X\_CL\_30, MT\_X\_CL\_40, MT\_X\_CL\_50
  - SV\_X\_CL\_Survey\_20, SV\_X\_CL\_Survey\_50, SV\_X\_CL\_Survey\_100, SV\_X\_CL\_Survey\_200, SV\_X\_CL\_Survey\_500, SV\_X\_CL\_Survey\_1000, SV\_X\_CL\_Survey\_2000
- The Create Template Geometry parameter was set to True for the following features:
  - MD\_P\_SAWCUT
  - MD\_P\_UNDERDRAIN
  - MD\_P\_CONST\_LIMITS
  - MD\_P\_DRIVE\_COM\_ACSC\_T\_EP
  - MD\_P\_DRIVE\_COM\_NRCP\_T\_EP
  - MD\_P\_DRIVE\_FIELD\_AGB\_T\_EP
  - MD\_P\_DRIVE\_RES\_ACSC\_T\_EP
  - MD\_P\_DRIVE\_RES\_NRCP\_T\_EP
  - MD\_P\_BAR\_T\_MID\_B
  - MD\_P\_BAR\_T\_MID\_B1
  - MD\_P\_BAR\_T\_MID\_D1-LT
  - MD\_P\_BAR\_T\_MID\_D1-RT
  - MD\_P\_BAR\_T\_MID\_D-LT
  - MD\_P\_BAR\_T\_MID\_D-RT
- The Create Template Geometry parameter was set to False for the following features:
  - MD\_P\_CURB\_FACE\_TOP
- Added 3D Mesh feature definitions, element templates, and levels for Underdrain and Underdrain Granular Material
- Removed an unnecessary conditional expression from the XS Annotation Definition for the slope annotation

### **OHDOT\_Feature\_DrainageAndUtilities.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added a generic sanitary manhole feature definition that places a x.
- Fixed P\_DrainagePipeSizeType annotation definition to place text tangent to conduit and not perpendicular. Also changed the offset from 0.25 to 0.15
- Fixed P\_DrainagePipeArrow offset placement; tangential offset from 0.2 to 0 to 0.075 and perpendicular offset from 0.0 to 0.075.

### **OHDOT\_Feature\_DrainageAndUtilities\_Old.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added a generic sanitary manhole feature definition that places a triangle.

### **OHDOT\_DrainageAndUtilities.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Updated outfall and generic 3d headwall to place an X instead of a triangle to better allow snapping to the center.

### OHDOT\_Survey.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Added error trapping in case incorrectly defined drainage attributes are encountered.
- Modified the annotation of drainage pipes to annotate the first segment of pipes with more than two vertices.

### Survey Training Guide

Path: [\OHDOT Utilities\Training\OpenRoads\ORD Survey\Guides\](#)

- Updated section 700 to update the folder location for reports

### OHDOT\_Symbols.cel

Path: [\OHDOT\Standards\Cell\](#)

- Added the following requested cells:
  - SCFN\_12.31-36P SIGN CANTILEVER FOUNDATION TC-12.31-36" PR
  - SCFN\_12.31-36X SIGN CANTILEVER FOUNDATION TC-12.31-36" EX
  - SCFN\_12.31-42P SIGN CANTILEVER FOUNDATION TC-12.31-42" PR
  - SCFN\_12.31-42X SIGN CANTILEVER FOUNDATION TC-12.31-42" EX
  - SCFN\_12.31-48P SIGN CANTILEVER FOUNDATION TC-12.31-48" PR
  - SCFN\_12.31-48X SIGN CANTILEVER FOUNDATION TC-12.31-48" EX
  - SCFN\_15.116-5P SIGN CANTILEVER FOUNDATION TC-15.116 5' PR
  - SCFN\_15.116-5X SIGN CANTILEVER FOUNDATION TC-15.116-5' EX
  - SCFN\_15.116-7P SIGN CANTILEVER FOUNDATION TC-15.116-7' PR
  - SCFN\_15.116-7X SIGN CANTILEVER FOUNDATION TC-15.116-7' EX
- Modified the description of the follow cells to indicate they are obsolete:
  - STFN\_7.65-45P SIGN TRUSS FOUNDATION TC-7.65 4'-5" PR (Obsolete)
  - STFN\_7.65-57P SIGN TRUSS FOUNDATION TC-7.65 5'-7" PR (Obsolete)
  - STFN\_7.65-67P SIGN TRUSS FOUNDATION TC-7.65 6'-7" PR (Obsolete)
  - STFN\_15.115-53P SIGN TRUSS FOUNDATION TC-15.115 5'-3" PR (Obsolete)
  - STFN\_15.115-67P SIGN TRUSS FOUNDATION TC-15.115 6'-7" PR (Obsolete)

### OHDOT\_IntersectionDetails.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Corrected a processing error that was introduced due to changes made to the Station Elevation report with ORD 2020 R3.

### OHDOT\_ExistingStormSewers.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Added error trapping for updating drainage attributes using the Check function.
- Added a function to zoom to the selected point in the Check Attributes tab
- Restored the annotation of pipe invert elevations on the level SC\_Scratch1

### Project\_Indexer.exe, v1.0.1.18:

Path: [\OHDOT\Standards\Applications\](#)

Fixed problem with application not accepting the selection of a project index excel file that within ProjectWise.

### Project\_Indexer.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

Updated to correspond with updates made to the ProjectIndexer.exe

### Note Files

Path: [\OHDOT\Standards\OHDOT Utilities\Notes\](#)

- Updated the following files to be current with January 2021 DRRC revisions.
  - Drainage.not
  - ITS.not
  - Markings.not
  - Signals.not
  - Temp\_Traffic\_Control.not
  - Vol1\_Roadway.not

### OHDOT\_3D\_Headwalls.cel

Path: [\OHDOT\Standards\Cell\3D\](#)

- Added the following parametric cells.
  - HW1.1\_TypeA\_Parametric
  - HW1.1\_TypeB\_LeftAngle\_Parametric
  - HW1.1\_TypeB\_RightAngle\_Parametric
  - HWBC\_TypeA\_Parametric
  - HWBC\_TypeB\_LeftAngle\_Parametric
  - HWBC\_TypeB\_RightAngle\_Parametric
  - HWBC\_TypeC\_Parametric
  - HW2.1\_Parametric
  - HW2.2\_Parametric

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Added the following variables  
MS\_CELL < \$(\_USTN\_WORKSPACESTANDARDS)Cell/3D/  
MS\_CELLLIST < \$(\_USTN\_WORKSPACESTANDARDS)Cell/3D/OHDOT\_3d\_Headwalls.cel

### gINT

Path: [\OHDOT\Standards\gINT\](#)

- Added the gint files to the standards. This includes datatmpl\oh dot.gdt, library\oh dot.glb, example.gpj, and Example2.gpj files.

### Item\_Master\_addin.xlam

Path: [\OHDOT\Standards\OHDOT Utilities\GenSum\Addin-ins\](#)

- Updated data connection to item master to correct refresh problems asking for credentials

### CTY-PID-GENSUM.xlsm v21.02.18

Path: [\OHDOT\Standards\OHDOT Utilities\GenSum\](#)

- Updated data connection to item master to correct refresh problems asking for credentials.

## OHDOT\_CONNECT CADD Standards Revision History

- Fixed error that was happening when bringing in data from a multi-bridge summary sheet.

### XXXXXX\_SurveyMaster.xlsm

Path: [\OHDOT\Standards\Survey Files\](#)

- Fixed problem with excluding first observation from RMSE calculations resulting in out of tolerance.
- Fixed problem with adding extra point sheets if GPS csv import has extra blank lines.

### OHDOT20200729\_Leica.zip

Path: [\OHDOT\Standards\Survey Files\Field Codes](#)

- Fixed file name spelling (was OHDOT20200729\_Leica.zip)

## January 15, 2021

### OHDOT\_Feature\_DrainageAndUtilities\_Old.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- FORGOT TO PUSH THIS OUT WITH THE JANUARY 8<sup>TH</sup> UPDATE!!
- Old dgnlib left in standards for worksets that's used this file before the remake of the dgnlib.

## January 13, 2021

### OHDOTSheetManager.dll

Path: [\OHDOT\Standards\Applications\Addins\](#)  
**v1.0.0.10**

- Fixed crashing error introduced when updating the active file.

### OHDOTSheetManager.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### OHDOT\_Survey.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Corrected a duplicate variable definition error.

### OHDOT Standards Folder Names

Path: [\OHDOT\Standards\OHDOT Reports\](#)

- Changed the name of the “\OHDOT\Standards\Reports” folder to “\OHDOT\Standards\OHDOT Reports”

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)



- Added the following variable definition to define the location of ODOT custom Reports. This variable applies to ORD 2020 Release 3 Update 9 - version 10.09.00.91 and does not do anything if you are running a prior version of ORD.

CIVIL\_REPORTS\_SUBDIRECTORIES < \$(\_USTN\_WORKSPACESTANDARDS)OHDOT Reports/

### Survey Text Import Wizard Files

Path: [\Survey Files\TIW\](#)

- Restored the following files:
  - OHDOT-CommaPtNEZCode-OH83-2011-NF.tiw
  - OHDOT-CommaPtNEZCode-OH83-2011-SF.tiw

### OpenRoads Reports

Path: [\OHDOT Reports\](#)

- Updated the following reports to remove the full feature definition path from geometry point names:
  - OHDOT\_Points\_NameNEZCode\_ASCII.xsl
  - OHDOT\_Points\_NameStaOffNEZCode\_ASCII.xsl

### Survey Training Guide

Path: [\OHDOT Utilities\Training\OpenRoads\ORD Survey\Guides\](#)

- Updated section 300 with additional details on the TIW files

## January 08, 2021

### Survey Training Guide Updates

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Survey\Guides](#)

- Updated:
  - 100, 200, 300, created 301 (terrain models), 400, 600, and 700

### OHDOT\_ORD\_Design\_900\_Drainage\_Uilities.pdf

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design\Guides](#)

- Add new chapter for Drainage and Utilities

### OHDOT\_Seed.upf

Path: [\OHDOT\Standards\Seed\](#)

- Removed and added upf seed files for specific applications

### OHDOT\_Seed\_ORD.upf

Path: [\OHDOT\Standards\Seed\](#)

- New upf seed file specific to OpenRoads Designer. Update from the previous OHDOT\_Seed.upf file to default the following
  - Docked the civil accudraw toolbar
  - Esc exits command preference checked on
  - Check in element selection tool in the quicktray at the top
  - Added the following subkeys to the accudraw shortcut O
    - Shortcut A to set accu-draw origin
    - Shortcut C to set the civil accu-draw origin

### **OHDOT\_Seed\_MSCE.upf**

Path: [\OHDOT\Standards\Seed\](#)

- New upf seed file specific to MicroStation CONNECT. Update from the previous OHDOT\_Seed.upf file to default the following
  - Esc exits command preference checked on
  - Check in element selection tool in the quicktray at the top

### **OHDOT\_Seed.docking.xml**

Path: [\OHDOT\Standards\Xml\](#)

- Removed and added xml seed files for specific applications

### **OHDOT\_Seed\_ORD.docking.xml**

Path: [\OHDOT\Standards\Xml\](#)

- New docking xml seed file specific to OpenRoads Designer. Updated from the previous OHDOT\_Seed.docking.xml.

### **OHDOT\_Seed\_MSCE.docking.xml**

Path: [\OHDOT\Standards\Xml\](#)

- New docking xml seed file specific to MicroStation CONNECT. Updated from the previous OHDOT\_Seed.docking.xml.

### **OHDOT\_Seed\_ORD.KeyboardShortcuts.xml**

Path: [\OHDOT\Standards\Xml\](#)

- New xml seed file specific to OpenRoads Designer. Added the following subkeys to the accudraw shortcut O
  - Shortcut A to set accu-draw origin
  - Shortcut C to set the civil accu-draw origin

### **Delete MSCE Prefs.bat**

Path: [\OHDOT\Standards\OHDOT Utilities\Utilities\](#)

- New batch file to delete all user preferences for MicroStation CONNECT.

### **Delete ORD Prefs.bat**

Path: [\OHDOT\Standards\OHDOT Utilities\Utilities\](#)

- Updated batch file to delete all user preferences for OpenRoads Designer with the following changes
  - Removed deleting MSCE preferences
  - Removed deleting PowerGEOPAK preferences
  - Removed deleting PowerInRoads preferences

### **OHDOTCreateWorkSet.exe, v1.0.0.16**

Path: [\OHDOT\Standards\Applications\](#)

- Updated internal side of app to check existing PIDs in sold and closed folders.

### **OHDOTCreateWorkSet.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated to correspond with updates made to the OHDOTCreateWorkSet application.

### **OHDOT\_Symbols.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Corrected elements of BO cell to be primary class

### **OHDOT\_Drainage.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Created DFLS-P cell for proposed drainage flow arrow straight.

### **OHDOT\_Geotech.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Updated level and text settings in the SOIL\_TEST\_DATA cell.

### **OHDOT\_Sheets.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Updated level and text settings in the INTERIOR\_GT\_COVER cell.

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added SC\_ProfileRun1, SC\_ProfileRun2, SC\_ProfileRun3, SC\_ProfileRun4 levels.
- Added RS\_Raster6, RS\_Raster7, RS\_Raster8, RS\_Raster9, RS\_Raster10 levels
- Added GT\_P\_Soil Boring Target Feature definition/symbology
- Added GT\_X\_Soil Boring Historic Feature definition/symbology
- Corrected/added several utility features for display on profiles without using custom linestyles.
- Added PF\_P\_Grade\_Line feature definition to use with graphic grade profiles. Note by default this feature definition is set to use the PF\_P\_Grade\_line-25' Feature Symbology.
- Added PF\_P\_Grade\_Line-25' and PF\_P\_Grade\_Line-50' feature Symbologies which use the below mentioned annotation groups respectively.
- Created P Profile Strip Grade-25' and P Profile Strip Grade-50' annotation groups to only annotate elevations every 25' or 50'.
- Added survey macro definitions to annotate survey points similar to GEOPAK Survey (Point Name, Elevation, Feature Code).
- Defined an element template for the 20-scale profile slope annotation
- Added new 'Ditch Annotation – Median' Annotation Definition to Annotation Groups Cross Section\Drawing\5 Scale XS Annotation & 10 Scale Annotation to label median ditch elevation for point M-Ditch-Elev.
- Changed cross section Ditch Annotation definitions to use new 'XS Point Elevation' text favorite.
- Corrected '10 Scale XS Sheet Annotation' so vertical (datum elevation) label are drawn on both side of grid and are outside the grid.
- Added the following levels and element templates to separate centerline annotations so they can be turned on/off as needed. And updated following annotation groups and associated annotation definitions (not listed) to use respective new element templates.
  - **Levels:**
    - GE\_P\_Alignment\_<XXX>\_Bearings

- GE\_P\_Alignment\_<XXX>\_Cardinal\_Points
  - GE\_P\_Alignment\_<XXX>\_Distances
  - GE\_X\_Alignment\_<XXX>\_Bearings
  - GE\_X\_Alignment\_<XXX>\_Cardinal\_Points
  - GE\_X\_Alignment\_<XXX>\_Distances
  - RW\_P\_CL\_<XXX>\_Bearings
  - RW\_P\_CL\_<XXX>\_Cardinal\_Points
  - RW\_P\_CL\_<XXX>\_Distances
  - RW\_X\_CL\_<XXX>\_Bearings
  - RW\_X\_CL\_<XXX>\_Cardinal\_Points
  - RW\_X\_CL\_<XXX>\_Distances
- **Element Templates:**
  - Annotation\Alignments\P\_Alignment\_<XXX>\_Bearings
  - Annotation\Alignments\P\_Alignment\_<XXX>\_Cardinal\_Points
  - Annotation\Alignments\P\_Alignment\_<XXX>\_Distances
  - Annotation\Alignments\X\_Alignment\_<XXX>\_Bearings
  - Annotation\Alignments\X\_Alignment\_<XXX>\_Cardinal\_Points
  - Annotation\Alignments\X\_Alignment\_<XXX>\_Distances
  - Annotation\Alignments\CL\_RW\P\_CL\_<XXX>\_Bearings
  - Annotation\Alignments\CL\_RW\P\_CL\_<XXX>\_Cardinal\_Points
  - Annotation\Alignments\CL\_RW\P\_CL\_<XXX>\_Distances
  - Annotation\Alignments\CL\_RW\X\_CL\_<XXX>\_Bearings
  - Annotation\Alignments\CL\_RW\X\_CL\_<XXX>\_Cardinal\_Points
  - Annotation\Alignments\CL\_RW\X\_CL\_<XXX>\_Distances
- **Annotation Groups:**
  - Plan\Linear\P Alignment Stationing
  - Plan\Linear\X Alignment Stationing
  - Plan\Linear \Right-Of-Way\P CL RW Stationing
  - Plan\Linear \Right-Of-Way\X CL RW Stationing
- Added (*or modified*) the following items for use with split or offset profile grade lines (existing and proposed):
  - **Levels:**
    - PF\_X\_Ground\_Line\_LT
    - PF\_X\_Ground\_Line\_RT
    - PF\_X\_Text\_Strip\_Grade
    - PF\_X\_Text\_Strip\_Grade\_LT
    - PF\_X\_Text\_Strip\_Grade\_RT
    - PF\_P\_Grade\_Line\_LT
    - PF\_P\_Grade\_Line\_RT
    - PF\_P\_Text\_Strip\_Grade\_LT
    - PF\_P\_Text\_Strip\_Grade\_RT
    - PF\_P\_Text\_PGL\_LT
    - PF\_P\_Text\_PGL\_RT
  - **Element Templates**
    - Profile\Split or Offset PGL\Existing Ground Line LT
    - Profile\Split or Offset PGL\Existing Ground Line RT

- Profile\Split or Offset PGL\Proposed Grade Line LT
- Profile\Split or Offset PGL\Proposed Grade Line RT
- Profile\Split or Offset PGL\Proposed Grade Curve LT
- Profile\Split or Offset PGL\Proposed Grade Curve RT
- Annotation\Sheets\Profile\Existing Profile Text Strip Grades
- Annotation\Sheets\Profile\Existing Profile Text Strip Grades LT
- Annotation\Sheets\Profile\Existing Profile Text Strip Grades RT
- Annotation\Sheets\Profile\Profile Sta Elev Text
- Annotation\Sheets\Profile\Profile Text PGL LT
- Annotation\Sheets\Profile\Profile Text PGL RT
- Annotation\Sheets\Profile\Profile\_Text\_Strip\_Grades\_LT
- Annotation\Sheets\Profile\Profile\_Text\_Strip\_Grades\_RT
- **Feature Definitions:**
  - Linear\Profiles\PF\_X\_Ground\_Line
  - Linear\Profiles\PF\_X\_Ground\_Line\_LT
  - Linear\Profiles\PF\_X\_Ground\_Line\_RT
  - Linear\Profiles\PF\_P\_Grade\_Line\_LT
  - Linear\Profiles\PF\_P\_Grade\_Line\_RT
- **Feature Symbolologies:**
  - Linear\Profiles\PF\_X\_Ground\_Line
  - Linear\Profiles\PF\_X\_Ground\_Line\_LT
  - Linear\Profiles\PF\_X\_Ground\_Line\_RT
  - Linear\Profiles\PF\_P\_Grade\_Line\_LT
  - Linear\Profiles\PF\_P\_Grade\_Line\_RT
- **Annotation Groups:**
  - Profile\Linear\Existing Strip Grade LT
  - Profile\Linear\Existing Strip Grade RT
  - Profile\Linear\P Profile Annotation PGL LT
  - Profile\Linear\P Profile Annotation PGL RT
  - Profile\Linear\Existing Strip Grade - **CHANGED** to use new element template "Existing Profile Text Strip Grades"
  - **CHANGED** the following to use new element template for Horizontal Tick Labels & Vertical Tick Labels "Profile Sta Elev Text":
  - Profile\Drawing\Profile Grid - 5' Vert 5' Horiz Lines-5'Vert 25'Horiz Label
  - Profile\Drawing\Profile Grid - 5' Vert 5' Horiz Lines-5'Vert 50'Horiz Label
  - Profile\Drawing\Profile Grid - 5' Vertical Labels
  - Profile\Drawing\Profile Grid - 10' Vert 10' Horiz Lines-10'Vert 50'Horiz Label
  - Profile\Drawing\Profile Grid - 10' Vertical Labels
  - Profile\Drawing\Profile Grid - 20' Vert 20' Horiz Lines-20' Vert 100' Horiz Labels
  - Profile\Drawing\Profile Grid - 20' Vert 25' Horiz Lines-20' Vert 100' Horiz Labels
  - Profile\Drawing\Profile Grid - Drive Profile
- **Annotation Definitions:**
  - Profile\Linear\Crest Vertical Curve K-Value Annotation PGL LT
  - Profile\Linear\Crest Vertical Curve K-Value Annotation PGL RT
  - Profile\Linear\Crest Vertical Curve Length Annotation PGL LT
  - Profile\Linear\Crest Vertical Curve Length Annotation PGL RT
  - Profile\Linear\Crest Vertical Curve SSD Annotation PGL LT

- Profile\Linear\Crest Vertical Curve SSD Annotation PGL RT
- Profile\Linear\Crest Vertical Curve Station-Elevation Annotation PGL LT
- Profile\Linear\Crest Vertical Curve Station-Elevation Annotation PGL RT
- Profile\Linear\Existing Strip Grade LT
- Profile\Linear\Existing Strip Grade RT
- Profile\Linear\Parabola VPI Ahead Slope Line - Crest PGL LT
- Profile\Linear\Parabola VPI Ahead Slope Line - Crest PGL RT
- Profile\Linear\Parabola VPI Ahead Slope Line - Sag PGL LT
- Profile\Linear\Parabola VPI Ahead Slope Line - Sag PGL RT
- Profile\Linear\Parabola VPI Ahead Slope Text - Crest PGL LT
- Profile\Linear\Parabola VPI Ahead Slope Text - Crest PGL RT
- Profile\Linear\Parabola VPI Ahead Slope Text - Sag PGL LT
- Profile\Linear\Parabola VPI Ahead Slope Text - Sag PGL RT
- Profile\Linear\Parabola VPI Back Slope Line - Crest PGL LT
- Profile\Linear\Parabola VPI Back Slope Line - Crest PGL RT
- Profile\Linear\Parabola VPI Back Slope Line - Sag PGL LT
- Profile\Linear\Parabola VPI Back Slope Line - Sag PGL RT
- Profile\Linear\Parabola VPI Back Slope Text - Crest PGL LT
- Profile\Linear\Parabola VPI Back Slope Text - Crest PGL RT
- Profile\Linear\Parabola VPI Back Slope Text - Sag PGL LT
- Profile\Linear\Parabola VPI Back Slope Text - Sag PGL RT
- Profile\Linear\Parabola VPI Triangle PGL LT
- Profile\Linear\Parabola VPI Triangle PGL RT
- Profile\Linear\Profile Slope PGL LT
- Profile\Linear\Profile Slope PGL RT
- Profile\Linear\Profile Strip Grade Annotation 25' Spacing PGL LT
- Profile\Linear\Profile Strip Grade Annotation 25' Spacing PGL RT
- Profile\Linear\Sag Vertical Curve K-Value Annotation PGL LT
- Profile\Linear\Sag Vertical Curve K-Value Annotation PGL RT
- Profile\Linear\Sag Vertical Curve Length Annotation PGL LT
- Profile\Linear\Sag Vertical Curve Length Annotation PGL RT
- Profile\Linear\Sag Vertical Curve SSD Annotation PGL LT
- Profile\Linear\Sag Vertical Curve SSD Annotation PGL RT
- Profile\Linear\Sag Vertical Curve Station-Elevation Annotation PGL LT
- Profile\Linear\Sag Vertical Curve Station-Elevation Annotation PGL RT
- Profile\Linear\VPC Elevation Label - Crest PGL LT
- Profile\Linear\VPC Elevation Label - Crest PGL RT
- Profile\Linear\VPC Elevation Label - Sag PGL LT
- Profile\Linear\VPC Elevation Label - Sag PGL RT
- Profile\Linear\VPC Station Label - Crest PGL LT
- Profile\Linear\VPC Station Label - Crest PGL RT
- Profile\Linear\VPC Station Label - Sag PGL LT
- Profile\Linear\VPC Station Label - Sag PGL RT
- Profile\Linear\VPI Elevation - No Curve PGL LT
- Profile\Linear\VPI Elevation - No Curve PGL RT
- Profile\Linear\VPI Station - No Curve PGL LT
- Profile\Linear\VPI Station - No Curve PGL RT

- Profile\Linear\VPT Elevation Label - Crest PGL LT
- Profile\Linear\VPT Elevation Label - Crest PGL RT
- Profile\Linear\VPT Elevation Label - Sag PGL LT
- Profile\Linear\VPT Elevation Label - Sag PGL RT
- Profile\Linear\VPT Station Label - Crest PGL LT
- Profile\Linear\VPT Station Label - Crest PGL RT
- Profile\Linear\VPT Station Label - Sag PGL LT
- Profile\Linear\VPT Station Label - Sag PGL RT

### OHDOT\_Text\_Dimension\_Styles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Modified the XS Slope text favorite to change formats from percent to run:rise when the slope exceeds 9.5%. 10% slopes are now annotated as 10:1.
- Added Plan DrainagePipe-P Text Favorites.
- Added the following text favorites for Utilities
  - Util-SizeType-P
  - Util-Type-P
  - Util-SizeType-X
  - Util-Type-X
- Added the following text favorites for unformatted station-offset for drainage nodes (use this if drainage nodes were not placed with civil accu-draw station-offset ordinate to get the unformatted station value)
  - Profile/XS DrainageNode-P\_Unformatted
  - Profile/XS DrainageNode-P\_MH\_Unformatted
  - Profile/XS DrainageNode-X\_Unformatted
  - Profile/XS DrainageNode-X\_MH\_Unformatted
  - Added Profile/XS SanNode-P-MH\_Unformatted
  - Added Profile/XS SanNode-X-MH\_Unformatted
- Added text favorite 'XS Ditch Elevation' for ditch elevations and set to one decimal place.
- Removed foot mark suffix from 'XS Point Elevation' text favorites for consistency with other elevation labels.

### OHDOT\_Terrain\_Graphical\_Filters.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Graphical Filters\](#)

- Removed from standards until Defect within ORD is fixed.

### 000000\_OHDOT\_Template.cfg

Path: [\OHDOT\Standards\WorkSetTemplates\](#)

- Corrected include statement that's commented out to switch config to old SUDA dgnlib. It incorrectly used \$(USTN\_WORKSETSTANDARDS) when it should use \$(USTN\_WORKSPACESTANDARDS)

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Set CIVIL\_CIVILTMDGNLIBLIST to include the OHDOT\_Feature\_DrainageandUtilities.dgnlib
- Commented out MS\_DISALLOWFULLREFPATH variable, it is causing references within profile views to break on reopen



- **Changed SUDA\_USE\_HAESTAD\_CONDUIT = 0 to = 1. PLEASE NOTE SUDA FEATURE DEFINITIONS FOR DRAINAGE NO LONGER HAVE PIPE SIZES DEFINED WITH THE FEATURE BUT NOW HAVE THEM DEFINED IN THE PROTOTYPE ASSIGNED TO THE FEATURE DEFINITION.**
- Changed SUDA\_SEED\_MODEL variable from = Default to = Design.
- Updated the seed preference variables to be product specific, as shown below

```

=====
# Preference files
=====
%if defined(_MICROSTATION)
    MS_DOCKINGPREFSEED           = $(_USTN_WORKSPACESTANDARDS)xml/OHDOT_Seed_MSCE.docking.xml
    MS_USERPREFSEED             = $(_USTN_WORKSPACESTANDARDS)seed/OHDOT_Seed_MSCE.upf
%elif defined(_OPENROADSDSIGNER)
    MS_DOCKINGPREFSEED           = $(_USTN_WORKSPACESTANDARDS)xml/OHDOT_Seed_ORD.docking.xml
    MS_KEYBOARDSHORTCUTSSEED    = $(_USTN_WORKSPACESTANDARDS)xml/OHDOT_Seed_ORD.KeyboardShortcuts.xml
    MS_USERPREFSEED             = $(_USTN_WORKSPACESTANDARDS)seed/OHDOT_Seed_ORD.upf
%else #use ORD preference seeds if product is not microstation or ord
    MS_DOCKINGPREFSEED           = $(_USTN_WORKSPACESTANDARDS)xml/OHDOT_Seed_ORD.docking.xml
    MS_KEYBOARDSHORTCUTSSEED    = $(_USTN_WORKSPACESTANDARDS)xml/OHDOT_Seed_ORD.KeyboardShortcuts.xml
    MS_USERPREFSEED             = $(_USTN_WORKSPACESTANDARDS)seed/OHDOT_Seed_ORD.upf
%endif
    
```

### OHDOT\_ExistingStormSewer.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Corrected a problem that resulted in the pipes being drawn by adding the dip value to the drainage structure elevation instead of subtracting the dip value in certain conditions.

### OHDOT\_Survey.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Added macros to annotate survey points similar to GEOPAK Survey (Point Name, Elevation, Feature Code).

### Survey Training Guide

Path: [\OHDOT Utilities\Training\OpenRoads\ORD Survey\Guides\](#)

- Updated several chapters
  - OHDOT\_ORD\_Survey\_100\_WorkSet\_Creation.pdf
  - OHDOT\_ORD\_Survey\_200\_Geographic\_Coordinate\_Systems.pdf
  - OHDOT\_ORD\_Survey\_300\_Data\_Processing.pdf
    - Updated info and removed the terrain model creation info from this chapter
  - OHDOT\_ORD\_Survey\_301\_Drainage\_Surveys.pdf
    - New section with terrain model creation, editing, and merging in one document
  - OHDOT\_ORD\_Survey\_400\_Drainage\_Surveys.pdf

### Text Import Wizard Files

Path: [\Survey Files\TIW\](#)

- Removed the following files:
  - OHDOT-CommaPtNEZCode-OH83-2011-NF.tiw
  - OHDOT-CommaPtNEZCode-OH83-2011-SF.tiw

### OHDOT\_Templates.itl

Path: [\OHDOT\Standards\Template Library\](#)

- Fixed incorrect constraint labels for the L-ACDC\_T\_OS point in the ODOT\Undivided Roadways\Pavement and Shoulder 301-08E Uncurbed\2-Lane\Asphalt Concrete with Subgrade Stabilization template. The constraint labels were flipped.



- Fixed ODOT\Backbones\Divided Roadways\304-1E Depressed Median\ backbone templates so that center of median ditch point used to label ditch elevation is now included in the ditch component and only constructed with associated display rule instead of multiple null points being constructed causing the point to not be annotated because they were below the ditch surface. Also corrected various inconsistencies in point constraints and label names.
- Reset Horizontal Feature Constraint feature for all templates with INT-Left, INT-Right, DRIVE-Left, & DRIVE-Right null points to MD\_P\_INTERSECTION\_MATCHLINE or MD\_P\_DRIVE\_MATCHLINE respectively.

### OHDOT\_Feature\_DrainageAndUtilities.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Completely remade this file as the previous one was just updated from GEOPAK SS4. During the remake Proposed Conduit feature definitions were changed to not be material based but specifications based like Type A, B... As well as additional prototypes have been added
- **PLEASE NOTE SUDA FEATURE DEFINITIONS FOR DRAINAGE NO LONGER HAVE PIPE SIZES DEFINED WITH THE FEATURE BUT NOW HAVE THEM DEFINED IN THE PROTOTYPE ASSIGNED TO THE FEATURE DEFINITION.**
- Add P-DrainagePipe and X-DrainagePipe Annotation Group/Definitions for labeling drainage pipes on profiles.
- Added X-SanPipe and P-SanPipe Annotation Group/Definitions for labeling Sanitary pipes on profiles
- Added ProfileRun1, ProfileRun2, ProfileRun3, ProfileRun4 Feature Definitions with corresponding feature symbology and element templates.
- Added Profile Runs Graphical Filter to assist in creating a selection set of profile runs
- Created annotation groups for drainage in plan view and profile view for nodes and conduit and defined them on corresponding feature symbologies.
- Created prototypes for manholes and set them in corresponding feature definitions.
- Created the following User Data Extensions and applied them to feature definitions
  - Shear Stress
  - Structure Type
  - Ground Minus HGL (Start)
  - Ground Minus HGL (Stop)
  - Total allowable Spread
  - Allowable Depth
  - Total Inlet Surface Flow
  - Side
  - Direction (Start)
  - Direction (End)

### WorkSetConfigSwitchVarstoOldSUDA.cfg

Path: [\OHDOT\Standards\Config\](#)

- Config file containing the variables that needs to be called from a workset cfg file to keep that workset configured to the old Drainage and Utilities dgnlib file.

### Drainage and Utilities Text Favorites.xlsx

Path: [\OHDOT\Standards\OHDOT Utilities\Documentation\](#)

## OHDOT\_CONNECT CADD Standards Revision History

- New excel file display the Drainage and Utility Text favorites, their formats, examples, and requirements

### CONNECT\_UDE\_Import.udx.xml

Path: [\OHDOT\Standards\Data\](#)

- Import file containing the User Data Extensions for Drainage Properties. This is only needed to add these Use Data Extensions to existing projects that don't already have this data. see this video here for more info, [https://communities.bentley.com/communities/user\\_communities/ohio\\_dot\\_consultants/w/ohiodot---wikis/52643/adding-user-data-extensions-to-existing-projects](https://communities.bentley.com/communities/user_communities/ohio_dot_consultants/w/ohiodot---wikis/52643/adding-user-data-extensions-to-existing-projects)

### Item\_Master\_addin.xlam

Path: [\OHDOT\Standards\OHDOT Utilities\GenSum\Addin-ins\](#)

- Refreshed item master addin..

### CTY-PID-GENSUM.xlsm

Path: [\OHDOT\Standards\OHDOT Utilities\GenSum\](#)

- Refreshed item master.

### Temp\_Traffic\_Control.not

Path: [\OHDOT\Standards\OHDOT Utilities\Notes\](#)

- Updated Note 642-32 to matched 10/16/2020 TEM update.

## October 16, 2020

### CreateDesignFiles.dll, v1.0.0.13

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed error in code that was not allowing for creation of collector files for sheet file types.

### CreateDesignFiles.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

## October 15, 2020

### OHDOTCreateWorkSet.exe, v1.0.0.15

Path: [\OHDOT\Standards\Applications\](#)

- Updated internal side of app for creating CONNECTed projects
- Updated internal side of app to not lock addendum/preaddendum folders when in modify mode.

### OHDOTCreateWorkSet.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated to correspond with updates made to the OHDOTCreateWorkSet application.

### OHDOT\_Signs.mvba, v2020.10.07

Path: [\OHDOT\Standards\Vba\](#)

- Made a few minor adjustments to improve speed when selecting cell libraries. This also fixes a problem with the application crashing when using the up and down arrow keys to quickly scroll through the “Available Signs” list.

### OHDOT\_DrainageAndUtilities.cel

Path: [\OHDOT\Standards\Cell\](#)

- Modified the Working Unit definition for various cells that were copied from the Bentley cell libraries to match the ODOT resolution value of 12000.
- Adjusted the Solids Modeling area to 10 Miles as recommended by Bentley

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added Topcon MaXML File to the Survey Settings Data Import Items list
- Added the annotation for tangent line length back to the following feature definitions:
  - Alignments > GE\_P\_Alignment
  - Alignments > GE\_X\_Alignment
  - Alignments > RW\_P\_Alignment
  - Alignments > RW\_X\_Alignment
- Added Curve Set annotation to the various alignment features. If a combined curve set (Spiral-Curve-Spiral) is encountered in the alignment, this annotation is added to the design in addition to the curve data that has been previously defined in the OHDOT standards. The Curve Set annotation is for equal length spirals. The user must manually delete any unnecessary curve data annotations. The Curve Set annotation is placed at the total PI location. See the following video for details:  
[https://communities.bentley.com/communities/user\\_communities/ohio\\_dot\\_consultants/w/ohidot---wikis/51781/alignment-curve-set-annotation](https://communities.bentley.com/communities/user_communities/ohio_dot_consultants/w/ohidot---wikis/51781/alignment-curve-set-annotation)

### OHDOT\_Text\_Dimension\_Styles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added a header to curve data
- Added Curve Set annotation to the text favorites

### OHDOT\_Labels.cel

Path: [\OHDOT\Standards\Cell\](#)

- Revised all elements of Begin/End/Suspend/Resume cells to be on level SH\_Text.
- Added cells to include SLM annotations
  - \_Lbl\_Pln\_Begin\_Project\_SLM
  - \_Lbl\_Pln\_Begin\_Project\_SLM\_Fed\_Flag
  - \_Lbl\_Pln\_End\_Project\_SLM
  - \_Lbl\_Pln\_End\_Project\_SLM\_Fed\_Flag
  - \_Lbl\_Pln\_Resume\_Project\_SLM
  - \_Lbl\_Pln\_Suspend\_Project\_SLM

### CreateDesignFiles.dll, v1.0.0.12

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Updated the Category column default width to be wider.

### CreateDesignFiles.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

## October 2<sup>nd</sup>, 2020

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added levels, element templates, and feature definitions for two new Mesh features that can be used to display the top of pavement and bottom of pavement on the cross sections:

Mesh > Pavement > MD\_P\_Pavement\_Bottom

Mesh > Pavement > MD\_P\_Pavement\_Top

These features can be placed in the template tracing the top and bottom of the pavement. This allows the user to turn off the pavement layers in the cross sections and show only the top and bottom of the pavement.

### Project\_Indexer.exe, v1.0.1.17:

Path: [\OHDOT\Standards\Applications\](#)

- Fixed problem when creating zip file that was not including files within the additional survey or engineering folders.

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Cell\](#)

- Corrected the level for elements in the INTERIOR\_GT\_COVER cell.
- Corrected boldness of some text elements in the INTERIOR\_GT\_COVER cell.
- Updated the text in the Available Information section of the INTERIOR\_GT\_COVER cell.

### 000000\_OHDOT\_Template.cfg

Path: [\OHDOT\Standards\WorkSetTemplates\](#)

- Corrected MS\_PLTFILES to 950-Reviews folder for Workset Template folder change from previous update.

### ProjectMap.exe, v1.0.0.4

Path: [\OHDOT\Standards\Applications\](#)

- NO CODE CHANGE, recompiled.

### ProjectMap.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated to add new version to versions list.

September 22, 2020

**WorkSetTemplates**Path: [\OHDOT\Standards\WorkSetTemplates\](#)

- Moved the following folders from 100-Planning to 000000\_OHDOT\_Template\000-Admin
  - 100-Planning\Funding
  - 100-Planning\Legislation
  - 100-Planning\STIP
- Removed 000000\_OHDOT\_Template\000-Admin\PlanReviews\
- Added 000000\_OHDOT\_Template\950-Reviews for plan review documents
- Removed folder 000000\_OHDOT\_Template\300-Survey\SurveyData\FieldData\RawData

**WMS Pointers (Generated for Ohio)**Path: [\OHDOT\Standards\Data](#)

- Added a file pointer to OSIP's "OSIP\_6in\_best\_avail" WMS
  - OSIP.xwms
- Added a file pointer to the National Hydrography Dataset (NHD) representing the water drainage network of the United States. (Clipped to Ohio)
  - NationalHydrographyDataset.xwms
- Added a file pointer to the Watershed Boundary Dataset (WBD) companion to the NHD representing a seamless national hydrologic unit. (Clipped to Ohio)
  - WatershedBoundaryDataset.xwms
- Added a file pointer to the USGS Elevation Contours service displays contours generated for the United States at various scales (Clipped to Ohio)
  - USGSElevationContours.xwms
- Added a file pointer to the BLM PLSS (This data includes township, range, section (First Division), and Intersected) (Clipped to Ohio)
  - BLMNationalPublicLandSurveySystem.xwms

**OHDOT\_Feature\_DrainageAndUtilities.dgnlib**Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Add the following Feature Definitions are use in Combined Sewer Systems
  - Conduit\StormWater\Existing Conduit\Sanitary Storm Pipe-X
  - Conduit\StormWater\Existing Conduit\Sanitary Pipe-X
- Added feature definitions for all Manhole type 2 and 3 sizes for sanitary to Node\WasteWaterNode\Existing\Manholes \
- Added feature definitions for all manhole type 2 and 3 sizes for combined sewer systems to Node\StormWaterNode\Existng\Manholes\CombinedSewerSystem.
  - Use this to place sanitary manhole within a combined storm and sanitary system.
- Removed the following Feature Definitions
  - Conduit\WasteWaterSegment\Existing Sanitary Storm Line
- Moved Node\WasteWaterNode\Manholes\SAN-MH-048"Base-X feature to Node\WasteWaterNode\Existing\Manholes\
- Added the following headwall features
  - HW-TypeA-9'6"H-08x04Box-P

- HW-TypeC-9'6"H-08x04Box-P
- Added a transition node feature to use with broken back culverts.
- Added prototype for inlet catalog item dummy node 0%
- Added features for a generic drainage node for proposed and existing, uses dummy node 0% prototype. Used with pavement spread calcs.
- Updated all element templates for manholes, inlets, and catch basins to use the DR\_X\_Cells or DR\_P\_Cells level
- Fixed element template for Sanitary Manhole to use the UT\_X\_Sanitary\_Cells level rather than the UT\_X\_Sanitary\_Line level
- Added a graphical filter for PIO (pipe inlet or outlet)
- Modified the graphical filter for drainage structures to search for the FLINE cell for the bottom of the structure with a Search Radius value of 12
- The element templates and feature definitions for utility profiles (Gas line, Electric Line, Water Line, etc.) were modified to use MicroStation line styles instead of the custom line styles containing text in the line. This was done to eliminate the out of scale text labels (G, E, W, etc.) in vertically exaggerated profile views. As a result, utility lines shown in a profile view will need to be manually annotated to identify the utility type.

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Removed centerline tangent length labels and adjusted bearing labels to be on the right side (or below) the centerline for Annotation Groups:
  - Plan\Linear\P Alignment Stationing
  - Plan\Linear\X Alignment Stationing
  - Plan\Right-Of-Way\X CL RW Stationing
  - Plan\Right-Of-Way\P CL RW Stationing
- Added generic Survey Feature Definitions for drainage structures
  - CBR, CBS, CI, MI, SSMH, STMH
- Added generic Survey Feature Definitions for drainage pipes
  - CMP, CMPA, CPP, CULV, DP, RCP, RCPA, SMP, SPP, VCP
- Edited the default Survey Preferences to add VBA processing definitions for the generic survey drainage pipe field codes. The vba processing draws pipes with a dual line custom linestyle for pipe sizes 12" and greater, and also draws culverts using a custom linestyle.
- Added levels, element templates, and feature definitions for undercut areas on templates and cross sections
- Added and element template, feature definition, feature symbology, and annotation definition for a new template point "EW\_TABLE". The Earthwork Quantity table is currently annotated on the cross sections when the point PGL is included in the template. Add a null point to the template using the EW\_TABLE feature definition to include a quantity table on the cross-section annotation only if the template does not include a PGL point.
- Added a level, element template, feature symbology and feature definition for a ramp gore line
  - Level: PV\_P\_Gore
  - Feature Definition: Linear > Pavement > PV\_P\_Gore
- Added a new level called DR\_Transition which is used with drainage node transition features.
- Added DR\_X\_GenericNode and DR\_P\_GenericNode levels used with dummy nodes for pavement spread calculations.
- Modified the Element Template for Survey > Drainage > Points> PIO to use the cell "PIO".

- Modified the Element Template for Survey > Drainage > Points> FDO to use the cell “FDO”.
- Modified the Element Template for Survey > Drainage > Points> FLINE to use the cell “FLINE”.
- Corrected Cross Section Annotation Group placement location for features RD\_P\_Guardrail MGS-2.1 Steel Post Barrier Design & RD\_P\_Guardrail MGS-2.1 Wood Post Left.
- Added a mesh feature definition for existing aggregate
- Added the stationing annotation group to the GE\_P\_Driveway feature definition. This will allow annotating stationing for complex driveways. The annotation is placed using the same levels as the centerline annotation.

### OHDOT\_Text\_Dimensions\_Styles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added Fract-Multiline, Slanted dimension style.
- Changed In-line Leader length to 1 for dimension styles:
  - Dec-0, Masked, Slanted; Dec-0, Masked, Straight; Dec-1, Masked, Slanted; Dec-1, Masked, Straight; Dec-2, Masked, Slanted; Dec-2, Masked, Straight; Dec-Multiline, Masked, Slanted; Dec-Multiline, Masked, Straight; Fract, Masked, Slanted; Fract, Slanted; Fract-Multiline, Masked, Slanted; Fract-Multiline, Slanted

### Sheet Clipping DGNLIBS

Path: [\OHDOT\Standards\Dgnlib\Sheet Seeds\](#)

- Updated the cell for the following DGNLIBS:
  - OHDOT\_XS\_10-Scale.dgnlib
  - OHDOT\_XS\_5-Scale.dgnlib

### Data Collector Code Lists

OHDOT20200729\_Leica.zip

OHDOT20200729\_Trimble.zip

Path: [\OHDOT\Standards\Survey Files\Field Codes](#)

- Added generic Survey Feature Definitions for drainage structures
  - CBR, CBS, CI, MI, SSMH, STMH
- Added generic Survey Feature Definitions for drainage pipes
  - CMP, CMPA, CPP, DP, RCP, RCPA, SMP, SPP, VCP

### Cadig Templates folder

Path: [\OHDOT\Standards\Cadig\Templates](#)

- Added Excel template folder

### RWSUM.xls

Path: [\OHDOT\Standards\Cadig\Templates](#)

- Added Excel template for Summary of Additional Right of Way
- Updated font to True Type (Arial)

### SUBSM1.xlsx

Path: [\OHDOT\Standards\Cadig\Templates](#)

- Added Excel template

### OHDOT\_Templates.itl

Path: [\OHDOT\Standards\Template Library\](#)

- Added “Undercut” to the point name list
- Added “EW\_TABLE” to the point name list
- Updated the two Ramp Gore templates with minor corrections. Changed the Horizontal Feature Constraint for the Seek\_Gore point to search for corridor references using the Linear > Pavement > PV\_P\_Gore feature definition. The two ramp gore templates are located in the following folder:
  - ODOT > Backbones > Undivided Roadways > Ramp Gore

### **OHDOT\_Balloon.mvba, v2020.08.14**

Path: [\OHDOT\Standards\Vba\](#)

- Modified the app to place all graphics using the active color

### **ActiveAngleAssistant.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Removed a reference to a missing function call

### **OHDOT\_ExistingStormSewer.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Updated to support the generic drainage survey field codes and pipe attributes
- Added traps to the numeric input fields to disallow alphabetic characters

### **OHDOT\_Survey.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- This is a new visual basic application that is called by OpenRoads Survey to draw drainage pipes with a dual-line custom line style if the SIZE attribute value is greater than or equal to 12. The pipe size and type are also annotated.

### **000000\_OHDOT\_Template.cfg**

Path: [\OHDOT\Standards\WorkSetTemplates\](#)

- Added the following configuration variable:  
CIVIL\_SURVEY\_PHOTOS\_FOLDER = \$(\_USTN\_WORKSETROOT)300-Survey/SurveyData/Images/Field/
- Added OHDOT\_LOCAL = \$(\_USTN\_WORKSPACEROOT)Local\
- Added line to bottom of file that is commented out. Uncomment this line to switch that given workset configuration to target the old SUDA feature definition dgnlib file. (new dgnlib not yet released, this is here to get ready of the new dgnlib when it is released)  
#uncomment the line below to switch the configuration to use the old SUDA feature definitions dgnlib.  
#%include \$(\_USTN\_WORKSETSTANDARDS)\config\WorkSetConfigSwitchVarstoOldSUDA.cfg

### **OHDOT\_WorkSpace.cfg**

Path: [\OHDOT\Standards\Config\](#)

- Added OHDOT\_Survey to the list of autoloading vba apps
- Changed the variable assignment for MS\_VBASEARCHDIRECTORIES to prepend instead of equals.

### **Documentation Updates:**

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Survey\Guides\](#)



- OHDOT\_ORD\_Survey\_400\_Drainage\_Surveys.pdf  
Path: [\OHDOT\Standards\Survey Files\Field Codes\](#)
- OHDOT\_Survey\_Codes\_Alphabetical.pdf
- OHDOT\_Survey\_Codes\_Category.pdf  
Path: [\OHDOT\Standards\Vba\docs\](#)
- OHDOT\_ExistingStormSewer.pdf

### Training Datasets

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design\WorkSet\\_Templates\](#)

- Updated the ORD Design dataset for compatibility with the latest version of the OHDOT CADD Standards and OpenRoads 2020 Release 2 version 10.08.01.33
- Updated the ORD Survey datasets for compatibility with the latest version of the OHDOT CADD Standards and OpenRoads 2020 Release 2 version 10.08.01.33

### OhioDOTCONNECTCADDStandardsInstaller\_PW\_v1006.exe, v1.0.0.6

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_PW\\_v1006.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_PW_v1006.exe)

- Updated sync tool to version 1.0.0.6 (updated to use parent folder environment and storage when creating new folders).

### OHDOTStandardsSyncTool.pdf

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTStandardsSyncTool.pdf>

- Updated to correspond with updating the Sync tool to version 1.0.0.6

### OHDOTXRef.dll, v1.0.0.2

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Rebuilt, no functional changes

### OHDOTXRef.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated to correspond with updates made to OHDOTXRef app..

### OHDOTSheetManager.dll

Path: [\OHDOT\Standards\Applications\Addins\](#)

#### v1.0.0.8

- Fixed problem with import from excel process that was incorrectly formatting some numbers to dates.
- Optimized loading dgn files in the background to speed up processing and fix a crashing error.

#### v1.0.0.9

- Fixed crashing error introduced in v1.0.0.8 (crash only happens when updated the active file that's from projectwise)
- Several code updates to make app more stable including being able to close app in the middle of a process. (i.e. loading process, or update process. Note that if closed in the middle of updating a file it will finish updating that file and then stop)

### OHDOTSheetManager.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### OHDOTSheetCells.dll, v1.0.0.3

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Minor stability updates

### OHDOTSheetCells.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Cell\](#)

- Corrected the level for elements in the cell INTERIOR\_CROSS2
- Corrected levels for text elements in the INTERIOR\_TITLE cell.
- Updated Earth Disturbed Areas section text elements on the INTERIOR\_TITLE cell to be filled with out having to move elements.

### OHDOT\_Symbols.cel

Path: [\OHDOT\Standards\Cell\](#)

- Added the cell "PIO" to be used as the survey point location marker for the PIO (Pipe Inlet or Outlet) field code.
- Added the cell "FDO" to be used as the survey point location marker for the FDO (For Direction Only) field code.
- Added the cell "PIO" to be used as the survey point location marker for the FLINE (Flow Line) field code.

### OHDOT\_Seed.upf

Path: [\OHDOT\Standards\Seed\](#)

- New version of the seed preference file that should eliminate the multiple "Unable to load/create dialog..." error messages that appear in the message center when a DGN file is opened. To force ORD to recreate your preference files, exit ORD and run the BAT file below to delete your preferences. When ORD is opened, a new preference file is created.

..\OHDOT\Standards\OHDOT Utilities\Utilities\Delete ORD Prefs.bat

### OHDOT\_GUI.dgnlib

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Added Manipulate section to the HOME tab of the Ohio DOT workflow in the ribbon.

### Google Analytics and OhioDOT-CADD.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated to add in what is being tracked in the OHDOT Cross References application.

### OHDOT\_DrainageAndUtilities.cel

Path: [\OHDOT\Standards\Cell\](#)

- Fixed problem with existing Manhole #3 3d cells not placing correctly (problem was introduced in the May26th update)

- Updated all element templates for storm water to place 3D elements using the DR\_X\_Culvert3D or DR\_P\_Culvert3D levels.
- Added cells for type A and type C 9'6" height headwall for a 8'x4' concrete box culvert.
- Added cells for a drainage transition node (plan and 3D).
- Added cells for a generic drainage node (plan and 3D) for existing and proposed.
- Updated all manhole, inlet, and catch basin cells to use the DR\_X\_Cells or DR\_P\_Cells level

### DGN SEED FILES

Path: [\OHDOT\Standards\Seed\](#)

- Set Active Text Style to Slanted-Normal LS=0.5 in all seed files.

### OHDOT\_gINT\_Conversion.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Fixed a problem processing three of the soil types that caused the application to fail.

### OHDOT\_Notes.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Fixed a typo in the online document used to populate the list note files within the app to include signals.not & Vol1\_Roadway.not (app itself has no update just a file it read from the web)

### Note Files

Path: [\OHDOT\Standards\OHDOT Utilities\Notes\](#)

- Updated the following files to be current with July 2020 DRRC revisions. Some files had various revisions from previous DRRC updates.
  - Bicycles.not
  - Drainage.not
  - Environmental.not
  - Erocontrol.not
  - General.not
  - Highway\_Lighting.not
  - ITS.not
  - Markings.not
  - Pavement.not
  - School.not
  - Signals.not
  - Signs.not
  - Temp\_Traffic\_Control.not
  - Vol1\_Roadway.not
  - Water\_Quality.not

### OHDOT\_Seed.pset

Path: [\OHDOT\Standards\pltcfg\](#)

- Corrected default print driver from ODOTcadd\_PDF.pltcfg to OHDOT\_PDF.pltcfg and removed path to X:\ drive.

### Project\_Indexer.exe, v1.0.1.16:

Path: [\OHDOT\Standards\Applications\](#)

- Fixed bring in files from additional survey/engineering folders
- Added Temporary type for alignment type.

### Project\_Indexer.pdf

Path: \OHDOT\Standards\Applications\Docs\

Updated to correspond with updates made to the ProjectIndexer.exe

### OHDOTCreateWorkSet.exe, v1.0.0.13/v1.0.0.14

Path: \OHDOT\Standards\Applications\

- Updated internal side of app for adding permissions for externals (v.1.0.0.13)
- Changed internal side of app for giving externals readonly access to worksets .(v1.0.0.14)
- Updated internal side of app to add 010-ProjAdmin to worksets when additional folders are created for consultant access. .(v1.0.0.14)
- Updated ProjectWise integration to copy saved searches from the 000000\_OHDOT\_Template folder when creating new worksets. .(v1.0.0.14)
- Updated internal side of app to give the option to create a connected project and associate it to workarea as well as add users to project. (v1.0.0.14)

### OHDOTCreateWorkSet.pdf

Path: \OHDOT\Standards\Applications\Docs\

- Updated to correspond with updates made to the OHDOTCreateWorkSet application.

## May 26, 2020

### OHDOT\_DrainageAndUtilities.cel

Path: \OHDOT\Standards\Cell\

- Updated all manhole Type 3 cells to allow for lower minimum depths.

### Sheet Clipping DGNLIBs

Path: \OHDOT\Standards\Dgnlib\Sheet Seeds\

- OHDOT\_Pro.dgnlib, OHDOT\_Pro-Pro.dgnlib, OHDOT\_XS\_10-Scale.dgnlib, OHDOT\_XS\_5-Scale.dgnlib
  - Updated the dgnlibs to ORD version 10.08.01.33

### ORD Videos

- Added videos to the OHIO DOT & Consultants Bentley community page for plan and profile sheet clipping:  
[https://communities.bentley.com/communities/user\\_communities/ohio\\_dot\\_consultants/w/o/hiodot---wikis/48775/sheet-clipping](https://communities.bentley.com/communities/user_communities/ohio_dot_consultants/w/o/hiodot---wikis/48775/sheet-clipping)
- Added several videos to OhioDOT & Consultants Bentley community page in the Training Resources > Supplemental Videos section of the wiki page.  
[https://communities.bentley.com/communities/user\\_communities/ohio\\_dot\\_consultants/w/o/hiodot---wikis/46256/supplemental-videos](https://communities.bentley.com/communities/user_communities/ohio_dot_consultants/w/o/hiodot---wikis/46256/supplemental-videos)

**May 20, 2020****OHDOTSheetCells.dll, v1.0.0.2**Path: [\OHDOT\Standards\Applications\Addins\](#)

- Added custom Category to select a border and interior cell.

**OHDOTSheetCells.pdf**Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

**Sheet Clipping DGNLIBs**Path: [\OHDOT\Standards\Dgnlib\Sheet Seeds\](#)

- Updated the sheet cells in the following DGNLIBs:
  - OHDOT\_Bridge-Site-Plan.dgnlib
  - OHDOT\_Plan.dgnlib
  - OHDOT\_Plan\_Pro.dgnlib
  - OHDOT\_Plan-Plan.dgnlib
  - OHDOT\_Plan-Pro-Sum.dgnlib

**Training Documents**Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design\Guides\](#)

- Updated the following ORD Design Training Guide:
  - OHDOT\_ORD\_Design\_800\_Plan\_and\_Profile\_Sheets.pdf

**OHDOT\_Labels.cel**Path: [\OHDOT\Standards\Cell\](#)

- Adjusted the spacing and text justification for the cross-section quantity cell

**XXXXXX\_SurveyMaster.xlsm**Path: [\OHDOT\Standards\Survey Files\](#)

- Changed default scale factor to 1.

**OHDOT\_Feature\_Definitions.dgnlib**Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Revised element templates to match level symbology for:
  - Annotation > Sheets > Profile > Profile\_Sheet\_Grid\_Major
  - Annotation > Sheets > XS > XS\_Sheet\_Grid\_Major
- Assigned dcdrape as the default material for all of the DT\_X\_Triangles levels
- Added an Element Template definition to Existing RW labels.
- Changed the slope annotation for 5-Scale Cross Sections to segments greater than 2.9'

**Bentley Applications**Path: [\OHDOT\Standards\Applications\Mdl\Steel](#)

- Add Bentley Steel for MicroStation CONNECT Edition MDL application.

**OHDOT\_Gui.dgnlib**

Path: \OHDOT\Standards\Dgnlib\GUI\

- Added Steel MDL to the OHDOT WorkFlow under “Apps” tab in “Third-Part Applications” group.

### OHDOT\_WorkSpace.cfg

Path: \OHDOT\Standards\config\

- Added the following variable:
  - MS\_LEVEL\_DO\_NOT\_OVERRIDE\_DESIGN\_LEVELS\_IN\_SHEET = 1
- Added the following variables to be used with Steel MDL
  - MS\_MDL > \$(\_USTN\_WORKSPACESTANDARDS)Applications/Mdl/
  - MS\_MDL > \$(\_USTN\_WORKSPACESTANDARDS)Applications/Mdl/Steel/
  - MS\_MDLAPPS > \$(\_USTN\_WORKSPACESTANDARDS)Applications/Mdl/
  - MS\_MDLAPPS > \$(\_USTN\_WORKSPACESTANDARDS)Applications/Mdl/Steel/

### OHDOTXRef.dll, v1.0.0.1

Path: \OHDOT\Standards\Applications\Addins\

- Updated to allow selecting the active file

### OHDOTXRef.pdf

Path: \OHDOT\Standards\Applications\Docs\

- Updated to correspond with updates made to OHDOTXRef app..

## May 11, 2020

### Bentley Applications

Path: \OHDOT\Standards\vba\

- Copied updated versions of the following files from the Bentley 10.08.01.33 example workspace. The ViewSet.mvba application was enhanced to resolve a couple situations where it could cause the product to stop running.
  - ViewSet.mvba
  - ViewSet Readme.txt
  - ViewControlConfigurations.xml

### Video: Fix Duplicate Profile Annotations

Path:

[https://communities.bentley.com/communities/user\\_communities/ohio\\_dot\\_consultants/w/ohdot---wikis/48554/fix-duplicate-profile-annotations](https://communities.bentley.com/communities/user_communities/ohio_dot_consultants/w/ohdot---wikis/48554/fix-duplicate-profile-annotations)

- Video demonstrating how to update feature definitions if you get duplicate profile annotations on sheets after updating to the May 1, 2020 update of ODOT’s CADD Standards

### OHDOT\_Gui.dgnlib

Path: \OHDOT\Standards\Dgnlib\GUI\

- Added a “Home” tab to the OHDOT WorkFlow with the “Attributes”, “Primary”, and “Selection” groups

### **OHDOT\_SheetSeed2d.dgn**

Path: [\OHDOT\Standards\Seed\Sheets\](#)

- Reselected the sheet definition so that it is updated to match changes made to the OHDOT\_SheetSizes.dgn file.
- Changed the default value for the coordinate readout to 2 decimal places

### **OHDOT\_SheetSizes.def**

Path: [\OHDOT\Standards\Scales\](#)

- Adjusted the sizes for the OHDOT Sheet Scale Definitions to account for conversion from the international foot to the U.S. Survey Foot. This is a minor modification that does not need to be done to existing projects.

### **OHDOT\_Sheets.cel**

Path: [\OHDOT\Standards\cell\](#)

- Changed the bridge sheet cell to say Structure File Number instead of Structural File Number.
- Made various symbology updates to INTERIOR\_GT\_OVER cell.
- Fixed the location of the DESIGNER, CHECKER, REVIEWER text in the title block of several sheet borders
- Changed the DESIGNER and CHECKER text in the title block of the bridge sheets to be View Dependent
- Restored the border cells with the scale bar that were unintentionally removed when the north arrow block was removed with a previous update.
- Fixed text annotation problem on INTERIOR\_TITLE cell

### **SheetCellsList.csv**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Updated to add back in the cells that have the scale bar.

### **OHDOT\_Geotech.cel**

Path: [\OHDOT\Standards\cell\](#)

- Updated symbology of SOIL\_TEST\_DATA cell and fixed annotation problem..

### **CreateDesignFiles.dll, v1.0.0.11**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Updated to allow creation of collector files (000, 100, 200..) for any sheet file. Seed file switches to 2d design seed what suffix entered is a collector file suffix (000, 100, 200..).

### **CreateDesignFiles.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

### **DesignFilesList.csv**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Removed setting for auto creation of BK collector file.

### **OHDOTSheetManager.dll, v1.0.0.7**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- **MUST HAVE AT MINIMUM MicroStation CONNECT update 13 or OpenRoads Designer 2020 R1 update to use this version of the application.** Bug in SDK was fixed allowing text elements that are linked to Item Type Properties to be updated without making it the active file. This dramatically reduces processing time.

### OHDOTSheetManager.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\config\](#)

- Updated if statement when looking for TORUS cfg in APPL folder to look for TORUS\*.cfg to account for different versions.
- Updated if statement when looking for AutoTURN cfg in APPL folder to look for AutoTURN\*.cfg to account for different versions.

### OHDOT\_Templates.itl

Path: [\OHDOT\Standards\Template Library\](#)

- Updated ODOT\End Conditions section to conform end condition templates to a standard format to ensure consistent connection between drop locations. This includes added labels to many constraints
- Added Fixed ditch templates to be using in fill conditions that have ditches. These templates float the ditch down to the highest elevation possible to solve and maintain a minimum ditch depth.
- See section 502 of the OHDOT ORD Design training guide for more information

### OHDOT\_ORD\_Design\_502\_Templates.pdf

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design\Guides\](#)

- Added OhioDOT Released End Conditions to this document

### Videos: 3 videos on End Conditions: whats delivered, fixed ditches overview, fixed ditches example

Path:

- [https://communities.bentley.com/communities/user\\_communities/ohio\\_dot\\_consultants/w/ohiodot---wikis/48575/templates](https://communities.bentley.com/communities/user_communities/ohio_dot_consultants/w/ohiodot---wikis/48575/templates)
- Videos about OHDOT's delivered end conditions included how to work with and use fixed ditch templates.

## May 1, 2020

Some files (indicated below) were updated with ORD 2020 Release 1 Update 8 – Version 10.08.00.88. Be Sure to use the sync tool to update the standards and make sure the version control is set to the desired ORD version to ensure compatibility.

### Survey Field Code Update

Path: [\OHDOT\Standards\Survey Files\Field Codes](#)



- Updated Field Codes for Leica brand collectors to match standards
  - OHDOT20200415\_Leica.zip
- Updated OHDOT\_Survey\_Codes\_Alphabetical.pdf and OHDOT\_Survey\_Codes\_Category.pdf to reflect the standards

### **ODOT GPS Averages.xsl**

Path: [\OHDOT\Standards\Survey Files\](#)

- Updated ODOT GPS Averages.xsl file to correct column spacing on export

### **ODOT ORD Comma delimited with Attributes and Photos.xsl**

Path: [\OHDOT\Standards\Survey Files\](#)

- Changed name from ODOT\_ORD Comma Delimited with Attributes and Photos.xsl

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- **Updated with ORD 2020 Release 1 Update 8 – Version 10.08.00.88**
- Added Element Templates and Annotation Group Features for plan sheet match lines
- Added Element Templates and Annotation Group Features for profile dimension lines
- Deleted all the old RW\_P\_CL\_\* and RW\_X\_CL\_\* levels that were used for centerline annotation at different scales using GEOPAK D&C Manager.
- Added Alignment Feature Definitions, Feature Symbologies, Annotation Groups, Element Templates, and Levels for existing and proposed Right-of-Way centerlines.
- Corrected the levels for the Corridor Top Mesh and Corridor Bottom Mesh element templates
- Added element template definitions for the top and bottom meshes, and the major and minor contour lines for all the various corridor modeling and linear template design stages.
- Set the Volume option for all the proposed terrain model feature definitions to Design.
- Set the Split parameter to a value of True for the Mesh > Existing > MD\_X\_Asphalt\_Pavement feature definition
- Added feature symbology definitions for the Remove Only and Remove/Replace parameters of the following feature definitions:
  - Mesh > Existing > MD\_X\_Asphalt\_Pavement
  - Mesh > Existing > MD\_X\_Concrete\_Pavement
- Changed the Volume Option to “None” for the Mesh > Subgrade > MD\_P\_Chemically\_Stabilized\_Subgrade feature definition
- Added a level, element template, and feature definition for MD\_P\_Chemically\_Stabilized\_Subgrade\_Surface\_Area.
- Added a level, element template, and feature definition for MD\_P\_Geogrid\_Surface\_Area
- Changed the placement for the XS Quantity Table to Right Side with an offset value of 0
- Fixed the custom linestyle definitions for proposed culverts to show both outside wall lines as solid lines
- Changed the Survey feature definition for the field code “SIGNPR” to place the cell “SGN1P”
- Added a Survey feature definition for the field code “RPM”
- Add the following profile annotation definitions to use on the Bridge Site Plan with non-exaggerated vertical profile. This places the horizontal grid lines at 25’ intervals as shown on Sample Plan SP 1316-1.
  - Profile Grid - 20' Vert 25' Horiz Lines-20' Vert 100' Horiz Labels

- Toggled OFF the Plot parameter for the following levels:
  - RW\_P\_Easement\_Area
  - RW\_P\_Taking\_Area
  - RW\_X\_Easement\_Area
  - RW\_X\_Occupied\_Area
  - RW\_X\_Parent\_Tract\_Area

### Sheet Clipping DGNLIBs

Path: [\OHDOT\Standards\Dgnlib\Sheet Seeds\](#)

- **Updated with ORD 2020 Release 1 Update 8 – Version 10.08.00.88**
- OHDOT\_Bridge-Site-Plan.dgnlib
  - Revised to default to a length of 440' for the plan and profile. Changed the default profile drawing annotation to use the newly added “Profile Grid - 20' Vert 25' Horiz Lines-20' Vert 100' Horiz Labels” annotation group.
- Changed the sheet border for the following sheets to remove the north arrow placement block. Since ORD does not allow configuring the north arrow placement so that it will fall in the sheet border, it is no longer required to move the north arrow to the corner of the sheet.
  - OHDOT\_Plan-Pro-Sum.dgnlib
  - OHDOT\_Plan-Plan.dgnlib
  - OHDOT\_Plan\_Pro.dgnlib
  - OHDOT\_Plan.dgnlib
  - OHDOT\_Bridge-Site-Plan.dgnlib

### OHDOT\_Text\_Dimensions\_Styles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- **Updated with ORD 2020 Release 1 Update 8 – Version 10.08.00.88**
- Added text favorites for plan view match line station start and end
- Added a dimension style, “Terrain Major Contour”, that is used for labeling terrain model contour lines
- The Angle Format was changed to DD^MM'SS” for most of the dimension styles. The Dec-1 and Dec-2 dimension styles were left at DD.DDDD set to 1 and 2 decimal places respectively.
- Removed the foot marker (') from the text styles used for the profile strip grade elevations.

### OHDOT\_Feature\_DrainageAndUtilities.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Add the following Feature Definitions
  - HW-1.1-72-0-P
  - HW-1.1-54-0-P
  - HW-HH-30-P
- Added the following feature symbology's
  - HW-1.1-72-0-P
  - HW-1.1-54-0-P
  - HW-HH-30-P
- Added the following element templates
  - HW-1.1-72-0-P-Plan
  - HW-1.1-72-0-P-3D
  - HW-1.1-54-0-P-Plan

- HW-1.1-54-0-P-3D
- HW-HH-30-P-Plan
- HW-HH-30-P-3D
- HW-P-Profile

### OHDOT\_DrainageAndUtilities.cel

Path: [\OHDOT\Standards\Cell\](#)

- Added 3D and Plan cells for 30" Half Height headwall.
- Added 3D and Plan cells for 72" Headwall 1.1 Type A 0 degree.
- Added 3D and Plan cells for 54" Headwall 1.1 Type A 0 degree.

### OHDOT\_Templates.itl

Path: [\OHDOT\Standards\Template Library\](#)

- Added Labels for the Intersection and Driveway seek points to all the applicable templates.
- Added a component to applicable templates defining the Chemically Stabilized Surface Area. This component traces the top of the Chemically Stabilized Subgrade component and is used for computing the Chemically Stabilized Subgrade Area.

### OHDOT\_Labels.cel

Path: [\OHDOT\Standards\Cell\](#)

- **Updated with ORD 2020 Release 1 Update 8 – Version 10.08.00.88**
- Modified the XS Quantity Table cell to include data entry regions as placeholders for seeding quantities. With the current version of ORD, the seeding quantities must be measured and calculated manually.

### OHDOT\_RW.cel

Path: [\OHDOT\Standards\Cell\](#)

- Corrected the level for the text in all of the cross-section RW marker cells.

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Cell\](#)

- Added a background mask on the level SH\_Masking to the North Arrow cell "NARROW"
- The "Is Cell" parameter was toggled off for all of the sheet borders that contain a north arrow placement block.
- INTERIOR\_TITLE model: modified to make room for the new ADA DESIGN WAIVERS section.
- Added SEAL\_E cell for Engineers template seal.
- Added Seal\_S cell Surveyors template seal.

### SheetCellsList.csv

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Adjusted the list to replace cell borders containing a north arrow placement block with equivalent borders that do not have the north arrow area defined. Since ORD does not allow automating the north arrow placement inside the border, north arrows are no longer required to be moved to the upper right corner of the sheet.

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\config\](#)

- Adding the following variable to be used with the updated OHDOT\_Notes vba
  - OHDOT\_NOTES = \$(\_USTN\_WORKSPACESSTANDARDS)OHDOT Utilities\Notes\
- Added the following variable to include the OHDOT Linkset.

MS\_DGNLIBLIST\_LINKS>\$(\_USTN\_WORKSPACESTANDARDS)Dgnlib/Linksets/OHDOT\_Explorer\_LinkSets.dgnlib

### DesignFilesList.csv

Path: \OHDOT\Standards\Applications\Addins\

- Removed all the “KC” design files from the list.

### OHDOT\_Notes.mvba, v2020.03.25

Path: \OHDOT\Standards\vba\

- Updated to use OHDOT\_NOTES configuration variable to find what directories to look at to find .not files. Which in return adds support for .not files within ProjectWise.

### OHDOT\_Notes.pdf

Path: \OHDOT\Standards\vba\Docs

- Updated for changes made to OHDOT\_NOTES.mvba.

### Note Files

Path: \OHDOT\Standards\OHDOT Utilities\Notes\

- Updated the following files
  - Signs.not (note 242-3)
  - Signals.not (notes 442-10, 442-11, 442-12, 442-13, 442-43, 442-45, 442-46)
  - Temp\_Traffic\_Control.not (642-8, 642-58)

### VBA Applications

Path: \OHDOT\Standards\Vba\

- Added the following Visual Basic applications:
  - ActiveAngleAssistant.mvba and gsnMicroStation.mvba. This is a 3<sup>rd</sup> part application and is not supported by ODOT. The application is accessed from the OHDOT WorkFlow. For information, see the following website:  
[https://communities.bentley.com/communities/other\\_communities/askinga/w/askinga/3313/active-angle-assistant-macro-updated](https://communities.bentley.com/communities/other_communities/askinga/w/askinga/3313/active-angle-assistant-macro-updated)
  - OHDOT\_LoadAAAssistant.mvba. This application is used to launch a disclaimer dialog before loading ActiveAngleAssistant

### OHDOT\_Plan\_Labels.mvba, v2020.04.20

Path: \OHDOT\Standards\vba\

- Fixed a problem with the program crashing if the beginning station value was deleted
- Added support for reference file scale when the app is used to place labels in a sheet model with scaled reference attachments

### OHDOT\_SCD\_List.mvba, v2020.04.16

Path: \OHDOT\Standards\vba\

- Updated to allow for more Supp. Specs. To be listed in the app. Before this not all Supp. Specs could be displayed in the app.

### **OHDOT\_IntersectionDetails.mvba, v2020.04.30**

Path: [\OHDOT\Standards\vba\](#)

- Added left/right processing options.
- Added support for more element types.

### **OHDOT\_StartUp.mvba**

Path: [\OHDOT\Standards\vba\](#)

- Fixed problem with sending Google Analytics

### **OHDOT\_Styles\_Printing.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Print Styles\](#)

- Updated all Print styles to set the Printer driver configuration file to the appropriate pltcfg file. it was previously set to pltcfg files from the ODOTcadd standards.

### **OHDOT\_DrawingSeed2d.dgn**

Path: [\OHDOT\Standards\Seed\Sheets\](#)

- Changed the active level from Default to SH\_Text

### **OHDOTCreateWorkSet.exe, v1.0.0.11/v1.0.0.12**

Path: [\OHDOT\Standards\Applications\](#)

- Added internal only option to create a workset for filing a project to central office. This option is only available only internal to ODOT. (v1.0.0.11)
- Updated internal side of app for applied folder permissions differently in ProjectWise. (v1.0.0.12)
- Updated internal side of app to restrict additional Survey and Engineering folders to correspond with a given consultant user list. (v1.0.0.12)

### **OHDOTCreateWorkSet.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated to correspond with updates made to the OHDOTCreateWorkSet application.

### **OHDOT\_GUI.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Added an icon under the OHDOT WorkFlow > Third-Part Applications section to launch the ActiveAngleAssistant application
- Added an icon under the OHDOT WorkFlow > Sheets section to launch the OHDOT XRef Application
- Added Links tab under the OHDOT WorkFlow that contains several relevant links.
- 

### **OHDOT\_Explorer\_LinkSets.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Added OHDOT LinSet under the Links section of Explorer that contains several relevant links.

### **OHDOTXRef.dll, v1.0.0.0**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- New application for creating and updated cross references

### OHDOTXRef.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- New Document that goes with the new OHDOTXRef MicroStation Addin..

### OHDOT\_ItemTypes.dgnlib

Path: [\OHDOT\Standards\Dgnlib\ItemTypes\](#)

- Added OHDOT\_Linkers Item Type Library with OHDOT\_XRef Item Type and xRefLink custom property type. These are used with the OHDOTXRef application.

### OHDOTXRef Videos

Path: [https://communities.bentley.com/communities/user\\_communities/ohio\\_dot\\_consultants/w/ohiodot---wikis/48474/cross-references](https://communities.bentley.com/communities/user_communities/ohio_dot_consultants/w/ohiodot---wikis/48474/cross-references)

- Added two videos to show how to use the OHDOTXRef app.

### Reports

Path: [\OHDOT\Standards\Reports\](#)

- Added OHDOT\_Roundabout\_Geometry\_PI\_Table.xsl. This report format is used to generate a PI table for selected ORD geometry alignments. The table format has been defined according to the ODOT Sample Plan Sheet SP 1311-14(a).

### WorkSetTemplates

Path: [\OHDOT\Standards\WorkSetTemplates\](#)

- Added FAA Coordination folder to 000000\_OHDOT\_Template\000-Admin\ folder
- Added ScratchPrints to 000000\_OHDOT\_Template\000-Admin\PlanReviews\ folder

### E-Signatures

Path: [\OHDOT\Standards\OHDOT Utilities\E-Signatures\](#)

- Added E-Signatures folder
- Added eSeal-Template.pdf for engineers template seal
- Added sSeal-Template.pdf for surveyors template seal

## March 20, 2020

### OHDOT\_Feature\_DrainageAndUtilities.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Add the following Feature Definitions
  - HW-TypeA-9'6"H-12x7Box-P
- Added the following feature symbology's
  - HW-TypeA-9'6"H-12x7Box-P
- Added the following element templates
  - HW-TypeA-9'6"H-12x7Box-P-Plan
  - HW-TypeA-9'6"H-12x7Box-P-3D

### OHDOT\_DrainageAndUtilities.cel

## OHDOT\_CONNECT CADD Standards Revision History

Path: \OHDOT\Standards\Cell\

- Added 3D cells for Concrete Box Culvert Headwall Type A 9'-6" height, 12'x7' box.

### OhiODOTCONNECTCADDStandardsInstaller\_Server\_v10011.exe, v1.0.0.11

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiODOTCONNECTCADDStandardsInstaller\\_Server\\_v10011.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiODOTCONNECTCADDStandardsInstaller_Server_v10011.exe)

- Added Additional install checkbox to install on additional machines.
- Fixed issue with installing from network drive
- Changed default version control for sync tool from Most\_Current to ORD2019-1.

### OhiODOTCONNECTCADDStandardsInstaller\_Client\_v10011.exe, v1.0.0.11

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiODOTCONNECTCADDStandardsInstaller\\_Client\\_v10011.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiODOTCONNECTCADDStandardsInstaller_Client_v10011.exe)

- Fixed issue with installing from network drive

### OhiODOTCONNECTCADDStandardsInstaller\_Local\_v10011.exe, v1.0.0.11

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiODOTCONNECTCADDStandardsInstaller\\_Local\\_v10011.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiODOTCONNECTCADDStandardsInstaller_Local_v10011.exe)

- Fixed issue with installing from network drive
- Changed default version control for sync tool from Most\_Current to ORD2019-1.

### OhiODOTCONNECTCADDStandardsInstaller\_PW\_v1005.exe, v1.0.0.5

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiODOTCONNECTCADDStandardsInstaller\\_PW\\_v1005.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiODOTCONNECTCADDStandardsInstaller_PW_v1005.exe)

- Added Additional install checkbox to install on additional machines.
- Fixed issue with installing from network drive
- Changed default version control for sync tool from Most\_Current to ORD2019-1.

### Installing OHDOT CONNECT Standards.pdf

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/Installing%20OHDOT%20CONNECT%20Standards.pdf>

- Updated to correspond with updating all installers.

## March 17, 2020

### WorkSet Template

Path:\OHDOT\Standards\WorkSetTemplates\000000\_OHDOT\_Template\

- Added sub-folders Funding, Safety, Traffic, Preliminary to 100-Planning\

### Visual Basic Applications

Path:\OHDOT\Standards\Vba\

- Added LevelStateUpdater.mvba. This application is used to update the on/off status of levels in cross-section saved views.

### DesignFilesList.csv

Path:\OHDOT\Standards\Applications\Addins\

- Added an "KC" file type to each of the various discipline\basaemaps\ folders to be used for sheet clipping named boundaries. The ORD 2020 R1 version allows the ability to clip sheets to a separate design file. The KC file is used with the 2020 release to place the named boundaries and attach references for sheets that will be generated in separate files.

## OHDOT\_PenC.tbl

Path: \OHDOT\Standards\Pltcfg\

- Added sections to plot SH\_Border text and Sign borders black on color plots

## OHDOT\_GUI.dgnlib

Path: \OHDOT\Standards\Dgnlib\GUI\

- Added a button to the Third Part Apps section of the OHDOT WorkFlow for the Level State Updater VBA application

## Applications.dgnlib

Path: \OHDOT\Standards\Dgnlib\GUI\

- This is a new DGNLIB that adds separate WorkFlows for Transoft (AutoTURN and TORUS) and AutoTABLE software menus. The AutoTABLE WorkFlow is automatically displayed if the software is installed. The Transoft WorkFlow is displayed after one of the Transoft applications has been initiated. Adding these WorkFlows is necessary for ORD 2020 R1 to work around an ORD defect. Shortcuts to activate the Transoft software applications are located on the OHDOT WorkFlow in the Third-Party Applications group.

## OHDOT\_Text\_Dimensions\_Styles.dgnlib

Path: \OHDOT\Standards\Dgnlib\Feature Definitions\

- Updated various Text Favorites used in labeling
- Added the following text favorites for SUDA annotation

Text Favorite Name	Format	Example
FeatureName	<i>Feature Name</i>	D-2
Profile DrainagePipe-P	<b>Length-Size Type @ Slope</b>	100'-12" TYPE B @ -1.98%
Profile DrainagePipe-X	<i>EX. Size Type</i>	EX. 12" RCP
Profile/XS DrainageNode-P	<b>STA XX+XX.XX, Offset Type, GRATE ELEV XXXX.XX</b>	STA 386+50.00, 12.00' CB-3, GRATE ELEV 1003.65
Profile/XS DrainageNode-P-MH	<b>STA XX+XX.XX, Offset Type, RIM ELEV XXXX.XX</b>	STA 386+50.00, 12.00' MH-1, RIM ELEV 1003.65
Profile/XS DrainageNode-P-PipeEnd	<b>Size (direction) Elev at end of pipe</b>	18" (N) 1002.13
Profile/XS DrainageNode-P-PipeStart	<b>Size (direction) Elev at start of pipe</b>	18" (S) 1003.14
Profile/XS DrainageNode-X	<b>STA XX+XX.XX, Offset EX. Type, GRATE ELEV XXXX.XX</b>	STA 386+50.00, 12.00' EX. CB, GRATE ELEV 1003.65
Profile/XS DrainageNode-X-MH	<b>STA XX+XX.XX, Offset EX. Type, RIM ELEV XXXX.XX</b>	STA 386+50.00, 12.00' EX. MH, RIM ELEV 1003.65
Profile/XS DrainageNode-X-PipeEnd	<b>EX. Size direction Elev at end of pipe</b>	EX. 12" PVC N 1002.13
Profile/XS DrainageNode-X-PipeStart	<b>EX. Size direction Elev at start of pipe</b>	EX. 12" PVC S 1003.14
XS DrainagePipe-P	<b>Size Type</b>	12" Type B
XS DrainagePipe-X	<b>EX. Size Type</b>	EX. 12" STORM

## Sheet Configuration DGNLIBs

Path: \OHDOT\Standards\Dgnlib\Sheet Seeds\

- Added OHDOT\_Bridge-Site-Plan.dgnlib
- Changed all sheet configuration reference attachments for the Drawing models to Display Overrides = Never. With this change, the original Design Model controls the levels for the sheet design file's Drawing and Sheet models.
- Update the sheet borders with the latest version from the OHDOT\_Sheets.cel library



## OHDOT\_SheetSeed2d.dgn

Path: [\OHDOT\Standards\Seed\Sheets\](#)

- Changed the active level from Default to SH\_Text

## OHDOT\_Labels.cel

Path: [\OHDOT\Standards\cell\](#)

- Modified various labels to update the text favorites used and clean up formatting problems
- Added \_Lbl\_Pln\_FeatureName cell which uses the FeatureName text favorite with a circle around it, can be used for call outs.

## 000000\_OHDOT\_Template.dgnws

Path: [\OHDOT\Standards\WorkSetTemplates\](#)

- Fixed spelling mistake in sheet index.

## OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\cell\](#)

- Updated all border cells to put some of the text elements to color 0 instead of color 47. As well as use the SH\_Data level and arial font.
- Corrected the interior cell spacing for INTERIOR\_BRDG1 and INTERIOR\_BRDG2
- Move the item type text from level Default to level SH\_DATA for all of the sheet borders

## OHDOTCreateWorkSet.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation to clarify some internal notes within the document.

## OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Changed CIVIL\_DEFAULT\_STATION\_LOCK = 1 to = TRUE
- Removed setting the MS\_REF\_DEFAULTSETTINGS variable, nestOverrides=never.
- Added the config variable OHDOT\_AutoTable that is used as a show/hide test to show the AutoTABLE menu as a separate WorkFlow.
- Removed duplicate definition for \_USTN\_DISPLAYALLCFGVARS=1
- Added the following lines to allow our workspace to be loaded with OpenBridge Modeler (OBM). Please note our workspace is not set up for OBM at this time, this is to just get the base OHDOT standards like levels, colors, linestyles...

```

=====
# OBM Config
=====
%if exists ($(_USTN_INSTALLED_CONFIGURATION)Organization-Civil\Civil Default Standards -
Imperial\Prostructures\application.cfg)
  _PS_WORKSPACESTANDARDS = $(_USTN_INSTALLED_CONFIGURATION)Organization-
Civil\Civil Default Standards - Imperial\Prostructures\
  PS_DRAWINGFRAMES =
$(_USTN_INSTALLED_CONFIGURATION)Organization\ProStructures\Details\Frames\
  % include $(_USTN_INSTALLED_CONFIGURATION)Organization-Civil\Civil Default Standards -
Imperial\Prostructures\application.cfg
%endif
    
```

## OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added an annotation definition for the profile portion of a Bridge Site Plan:
  - Profile Grid - 20' Vert 20' Horiz Lines-20' Vert 100' Horiz Labels
- Add the following profile annotation groups to use with non-exaggerated vertical profile.
  - Profile Grid - 5' Vert 5' Horiz Lines-5'Vert 25'Horiz Label
  - Profile Grid - 5' Vert 5' Horiz Lines-5'Vert 50'Horiz Label
  - Profile Grid - 10' Vert 10' Horiz Lines-10'Vert 50'Horiz Label
- Add the following profile annotation definitions to use with non-exaggerated vertical profile.
  - Grid Lines 5'Horiz 5'Vert-Labels 25'Horiz 5'Vert
  - Grid Lines 5'Horiz 5'Vert-Labels 50'Horiz 5'Vert
  - Grid Lines 10'Horiz 10'Vert-Labels 50'Horiz 10'Vert
- Assigned a default element template to the Linear\Modeling\Template Points\Scratch\ feature definitions
- Created new Element Templates for scratch levels: Linear\Scratch\SC\_Scratch1...SC\_Scratch20
- Created new Feature Definitions for scratch levels: Linear\Scratch\SC\_Scratch1...SC\_Scratch20
- Created new Feature Symbologies for scratch levels:
  - Linear\Scratch\SC\_Scratch1...SC\_Scratch20
  - Profiles\Scratch\SC\_Scratch1...SC\_Scratch20

## 000000\_OHDOT\_Template.cfg

Path: [\OHDOT\Standards\WorkSetTemplates\](#)

- Removed MS\_RFDIR variable setting as its no longer needed, and causing problems printing with print organizer.

## OHDOT\_Templates.itl

Path: [\OHDOT\Standards\Template Library\](#)

- Added two new components for turf shoulders:
  - ODOT\Components\Shoulder\301-10E Turf Shoulder\Turf Shoulder Left Side
  - ODOT\Components\Shoulder\301-10E Turf Shoulder\Turf Shoulder Right Side
- Modified the widening and resurfacing templates to add pavement steps and seek points for driveway and intersection match lines
- Added the following widening and resurfacing templates:
  - ODOT\Backbones\Widening and Resurfacing\Overlay and Widening\Asphalt Concrete without Stabilization SH301-8E Widening Left
  - ODOT\Backbones\Widening and Resurfacing\Overlay and Widening\Asphalt Concrete without Stabilization SH301-8E Widening Right
  - ODOT\Backbones\Widening and Resurfacing\Overlay\Asphalt concrete without Stabilization SH301-10E

## Civil Cells

Path: [\OHDOT\Standards\Dgnlib\Civil Cells\](#)

- Deleted unused text styles and fonts from all of the civil cell DGNLIBS

## Project\_Indexer.exe, v1.0.1.15:

Path: [\OHDOT\Standards\Applications\](#)

- Added error control for if dgn file is corrupted
- Fixed crashing problem if folder structure is from ODOTstd and its inside ProjectWise.

### **Project\_Indexer.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

Updated to correspond with updates made to the ProjectIndexer.exe

### **ProjectMap.exe, v1.0.0.3**

Path: [\OHDOT\Standards\Applications\](#)

- NO VERSION CHANGE, recompiled.

### **XXXXXX\_SurveyMaster.xlsm**

Path: [\OHDOT\Standards\Survey Files\](#)

- Fixed formula in the Point Template Sheet that was not updating the display of GRID or GROUND correctly. Note that the calculations were displaying the correct values for what was indicated in the GPS\_IMPORT sheet it was just the label of grid or ground was not displaying correctly.
- Updated the version listed in the file's title property (v2020.03.04)

### **ODOT GPS Averages.fty**

Path: [\OHDOT\Standards\Survey Files\](#)

- Added GPS averages for user with Lieca. Use this to get cvs to use with gps import in survey master

### **ODOT GPS Averages.xsl**

Path: [\OHDOT\Standards\Survey Files\](#)

- Changed name from OHDOT GPS Averages.xsl

### **ODOT\_ORD Comma Delimited with Attributes and Photos.xsl**

Path: [\OHDOT\Standards\Survey Files\](#)

- New file, adds header line to get all attribute fields.

### **Note files**

Path: [\OHDOT\Standards\OHDOT Utilities\Notes\](#)

- Updated the following files
  - Highway\_Lighting.not
  - Markings.not
  - Signals.not
  - Signs.not
  - Temp\_Traffic\_Control.not

### **Sub-summary files**

Path: [\OHDOT\Standards\OHDOT Utilities\GenSum\Standards\\_Excel\\_Summaries\](#)

- Updated the following files for rotated text, fonts, and formatting
  - SubSummary\_Full.xlsx
  - SubSummary\_Full\_Pavement.xlsx
  - SubSummary\_Full\_Pavement\_Markings.xlsm
  - SubSummary\_Half.xlsx

## OHDOT\_CONNECT CADD Standards Revision History

- SubSummary\_Half\_Pavement.xlsx
- Adding the following files
  - SubSummary\_Full\_Signing.xlsx

### Custom\_Menu.dgnlib

Path: \OHDOT\Standards\Dgnlib\GUI\

- Copied the latest version of this file from the Bentley delivered WorkSpace

### Minor fixes

- The following files just minor fixes/updates
  - OHDOT\_Symbols.cel
  - OHDOT\_RW.cel
  - OHDOT\_Drainage.cel
  - OHDOT\_Bridge.cel
  - OHDOT\_Aviation.cel
  - OHDOT\_Styles\_Printing.dgnlib
  - OHDOT\_Seed2d.dgn
  - OHDOT\_Seed2d\_OH83-2011-NF.dgn
  - OHDOT\_TextEditorFavoriteSymbols.xml

## February 7, 2020

### OHDOT\_Feature\_Definitions.dgnlib

Path: \OHDOT\Standards\Dgnlib\Feature Definitions\

- Updated a couple PM linestyles (centerline dashed).

### OHDOT\_LineStyles.rsc

Path: \OHDOT\Standards\rsc\

- Updated to fix a couple PM linestyles (Centerline dashed).

## February 4, 2020

### OHDOT\_Feature\_Definitions.dgnlib

Path: \OHDOT\Standards\Dgnlib\Feature Definitions\

- Corrected the linestyle for a few of the MT levels
- Added the level DT\_X\_Pavement\_Surface
- Added the Terrain Element Template X\_Pavement\_Surface
- Added the Terrain Feature Definition X\_Pavement\_Surface
- Updated a couple PM linestyles.

### OHDOT\_GUI.dgnlib

Path: \OHDOT\Standards\rsc\

- Removed the duplicate button in the "Files" group for the OHDOT Fix LineStyles app

- Removed the button for the old sheet cross-reference app

### OHDOT\_LineStyles.rsc

Path: [\OHDOT\Standards\rsc\](#)

- Updated to fix a couple PM linestyles.

## January 21, 2020

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Updated the following levels to use linestyle 0 instead of a custom linestyle
  - PM\_P\_Channelizing\_Line
  - PM\_P\_Chevron\_Line
  - PM\_P\_Crosswalk
  - PM\_P\_Edge\_Line
  - PM\_P\_Island
  - PM\_P\_Stop\_Line
  - PM\_P\_Transverse\_Line
  - PM\_X\_Channelizing\_Line
  - PM\_X\_Chevron\_Line
  - PM\_X\_Crosswalk
  - PM\_X\_Edge\_Line
  - PM\_X\_Island
  - PM\_X\_Stop\_Line
  - PM\_X\_Transverse\_Line
- Removed the following custom linestyles as they are the same as linestyle 0 and there is a problem with applying line weights to them
  - CHANNELIZING
  - CHEVRON
  - CROSSWALK LINE
  - EDGE LINE
  - ISLAND LINE
  - PARKING LINE
  - STOP LINE
  - TRANSVERSE LINE
- Added culvert 09 custom line style

### OHDOT\_Text\_Dimensions\_Styles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Updated various Text Favorites used in labeling

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\cell\](#)

- Updated ODOT\_ZEPHYR, OUPS Logo to set Can be Placed as Annotation Cell to False.

### OHDOT\_Labels.cel

Path: [\OHDOT\Standards\cell\](#)

- Modified various labels to remove the bounding box
- Added a label for bearings and distances without a separating leader line
- Fixed the origin for the \_Lbl\_Pln\_Sta\_Partial label
- Added a new label for stations that does not have an underline, \_Lbl\_Pln\_Sta\_Full. This is intended to be placed without a leader line.
- Removed the “-” sign from the offset portion of the \_Lbl\_Pln\_Sta-Off\_No\_Prefixes label and added a side (LT or RT) suffix.

### OHDOT\_LineStyles.rsc

Path: [\OHDOT\Standards\rsc\](#)

- Added this file to be used with new button in OHDOT workflow for fixing some linestyle problems.

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Added the following variable used with the new button in OHDOT workflow.
  - OHDOT\_LineStyleRSC = \${\_USTN\_WORKSPACESTANDARDS}rsc/OHDOT\_Linestyles.rsc

### OHDOT\_fixPMLineStyles.mvba

Path: [\OHDOT\Standards\vba\](#)

- New vba that re-imports linestyles that have been used in current dgn file from the OHDOT\_LineStyles.rsc file. Also changes any element that is on the above list of removed linestyles to linestyle 0.

### OHDOT\_GUI.dgnlib

Path: [\OHDOT\Standards\rsc\](#)

- Added Fixes group to the Ohio DOT workflow
- Added button, OHDOT Fix LineStyles to the Ohio DOT workflow in the Fixes group this button runs the OHDOT\_fixPMLineStyles.mvba.

### OHDOTCreateWorkSet.exe v1.0.0.10

Path: [\OHDOT\Standards\Applications\](#)

- Added code to prevent a Workset name from containing the following characters
  - \/:\*?"<>|

### OHDOTCreateWorkSet.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

## January 9, 2020

### OHDOT\_Add.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Corrected an error that could result in an incorrect value in certain circumstances

### OHDOT\_gINT\_Conversion.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Fixed a problem were some of the water level readings were not converted if they were really close together
- Added support for the new EOD\_WATER\_LT and EOD\_WATER\_RT cells
- Removed the tags

### OHDOT\_Geotech.cel

Path: [\OHDOT\Standards\Cell\](#)

- Added the following cells:
  - EOD\_WATER\_LT
  - EOD\_WATER\_RT

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Removed the “Site” levels. These will be revisited at a future date
- Added the level BR\_X\_SV\_Shot\_Marker
- Added an Element Template for a Bridge survey shot marker
- Added descriptions for any level that was missing a description
- Removed the “Std\_Constr\_Plan\_Insert\_Shts” levels and filter for Standard Construction Drawing, Plan Insert sheet elements and Text
  - **SHEET** levels and filter should be used for all Standard Construction Drawing and Plan Insert Sheet elements

### **OHDOTCreateWorkSet.exe v1.0.0.9**

Path: [\OHDOT\Standards\Applications\](#)

- Fixed some misspelling
- Updated projectwise create workset process to contain more error control.
- Updated projectwise create workset process to clean up temp folders if workset creation failed.
- Removed erroneous error message “WorkSet Location not specified!” that was being displayed at the end of creating a workset.
- Internal Only: incorrect default GCS for district wide projects (D01, D02, D03, D04, D11, D12)

### **OHDOTCreateWorkSet.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

## January 6, 2020

### **WorkSet Template**

Path: [\OHDOT\Standards\WorkSetTemplates\000000\\_OHDOT\\_Template\](#)

- Removed Design and Planning sub-folders from 100-Admin\Correspondence\IOC\

### **ProjectMap.exe, v1.0.0.3**

Path: [\OHDOT\Standards\Applications\](#)

- NO VERSION CHANGE, recompiled to fix crashing error.

### **OHDOTCreateWorkSet.exe v1.0.0.8**

Path: [\OHDOT\Standards\Applications\](#)

- Updated so that after creating a new workset the survey and engineering folders are reset back to nothing.
- Updated connection string for when the application is being used internally to OhioDOT.

### **OHDOTCreateWorkSet.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

## December 16<sup>th</sup>, 2019

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added linear features for existing underground utilities

### **OHDOTCreateWorkSet.exe v1.0.0.6**

Path: [\OHDOT\Standards\Applications\](#)

- Updated permissions that get applied when running only inside OhioDOT's Projectwise DataSources.

### **OHDOTCreateWorkSet.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

### **CreateDesignFiles.dll, v1.0.0.10**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- NO VERSION CHANGE, recompiled to fix crashing error.

### **DesignFilesList.csv**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed default utility basemap scale from 1:1 to 1:20
- Changed setting utility basemap scale from locked to unlocked.

### **Project\_Indexer.exe, v1.0.1.13:**

Path: [\OHDOT\Standards\Applications\](#)

- Several bug fixes related to ProjectWise Integration.
- Removed code for finding dwg paper spaces but to crashing errors

### **Project\_Indexer.pdf:**

Path: [\OHDOT\Standards\vba\docs\](#)

- Updated documentation to correspond with updates to the application.

### **OHDOT\_Sheets.cel:**

Path: [\OHDOT\Standards\cells\](#)

- Updated INTERIOR\_BRIDGE1 and INTERIOR\_BRIDGE2 cells to contain the deck area in the proposed structure block.
- Updated Proposed Structure Block Loading from HS25 CASE II AND ALTERNATE MILITARY to HL93 AND \_\_\_\_ FUTURE WEARING SURFACE for INTERIOR\_BRIDGE1 and INTERIOR\_BRIDGE2 cells.
- Updated Proposed Structure Block Approach Slabs from LONG (AS-1-81) to LONG (AS-1-15, AS-2-15) for INTERIOR\_BRIDGE1 and INTERIOR\_BRIDGE2 cells.



## December 11<sup>th</sup>, 2019

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Updated the description information for several levels

### OHDOT\_Templates.itl

Path: [\OHDOT\Standards\Template Library\](#)

- All End Condition components:
  - Changed the value of the Use Feature Name Override parameter to “TIE” for all foreslope and backslope points that tie to existing ground.
  - Changed the Feature Definition for all foreslope and backslope points that tie to existing ground to Linear\DTM and Grading\DT\_P\_Grade\_Tie\_Line

### OHDOTCreateWorkSet.exe v1.0.0.5

Path: [\OHDOT\Standards\Applications\](#)

- Cleaned up the previous update that added support for the Application to associate seed files to workset. No longer need to stop all running instances of microstation. (only outside of ProjectWise)

### OHDOTCreateWorkSet.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

### OHDOTAssignWorksettoSeed.dll & OHDOTAssignWorksettoSeed.pdb

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Microstation Addin used as a MS\_INITAPP required with OHODTCreateWorkSet.exe v1.0.0.5.

## December 9<sup>th</sup>, 2019

### VBA Apps

Path: [\OHDOT\Standards\Vba\](#)

- The following apps have been updated to call the help documents from the ODOT Website:
  - OHDOT\_Balloon.mvba
  - OHDOT\_BarInfo.mvba
  - OHDOT\_ExistingStormSewer.mvba
  - OHDOT\_GeotechnicalReport.mvba
  - OHDOT\_gINT\_Conversion.mvba
  - OHDOT\_IntersectionDetails.mvba
  - OHDOT\_PlanNotes.mvba
  - OHDOT\_PlanLabels.mvba
  - OHDOT\_RotateSurveyElements.mvba
  - OHDOT\_SCD\_List.mvba
  - OHDOT\_Signs.mvba

### VBA Docs

Path: [\OHDOT\Standards\Vba\Docs\](#)

- Added OHDOT\_BarInfo.pdf
- Updated OHDOT\_Balloon.pdf

### CreateDesignFiles.dll, v1.0.0.10

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed code to better check if the user has access to create a document inside ProjectWise

### CreateDesignFiles.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### OpenRoads Design Training Guides

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design\Guides\](#)

- Added a new section:
  - OHDOT\_ORD\_Design\_514\_Widening\_and\_Resurfacing.pdf

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Cell\](#)

- Changed the OOPS cell used in the Title Sheet

### OHDOTCreateWorkSet.exe v1.0.0.4

Path: [\OHDOT\Standards\Applications\](#)

- Fixed crashing error when logging into projectwise
- Application will now associate seed files to workset (only outside of ProjectWise)

### OHDOTCreateWorkSet.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

## December 2<sup>nd</sup>, 2019

### OHDOTCreateWorkSet.exe v1.0.0.3

Path: [\OHDOT\Standards\Applications\](#)

- Fixed incorrect naming of the .dty file. (it was missing the \_Custom in the name)
- Fixed incorrect folder path problem is if folder selected is the drive.
- Fixed error in code that if North zone GCS was selected then when creating the workset, the 2d design seed file was actually a 3d design file.

### OHDOTCreateWorkSet.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

### 000000\_OHDOT\_Template.cfg

Path: [\OHDOT\Standards\WorkSet\\_Templates\](#)

- Fixed config var MS\_PRINTDEF\_PATH by removing extra / in path
  - `MS_PRINTDEF_PATH = $(_USTN_WORKSETROOT)/990-WorkSetStandards/Plotdrv/`

### November 26<sup>th</sup>, 2019

#### **OHDOTCreateWorkSet.exe v1.0.0.2**

Path: [\OHDOT\Standards\Applications\](#)

- Fixed problem when creating a workset within ProjectWise that was not copying access, workflows, or environments.

#### **OHDOTCreateWorkSet.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

### November 25<sup>th</sup>, 2019

#### **OHDOT\_Template.itl**

Path: [\OHDOT\Standards\Template Library\](#)

- 805.1 Field Drive (ODOT\Components\Drives\
  - Fixed the points to have the correct feature definition set.

#### **CreateDesignFiles.dll, v1.0.0.9**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed code to prevent crashing the application when trying to open the application a second time in the same session.

#### **CreateDesignFiles.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

#### **OHDOTMonumentReport.dll, v1.0.0.1**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed misspellings in results section
- Fixed error when working inside of ProjectWise

#### **OHDOTMonumentReport.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

#### **OHDOT\_RotateSurveyElements.mvba, v2019.11.25**

Path: [\OHDOT\Standards\Vba\](#)

- The app will now dynamically show the line segment that is used for the reference element when a complex element is selected.

- Results of the rotation are now displayed before the summary box is dismissed.
- Changes made to the way the DM11-X cell is rotated.

### **OHDOT\_RotateSurveySymbols.pdf**

Path: [\OHDOT\Standards\Vba\Docs\](#)

- Updated documentation corresponding to application updates.

## November 21<sup>st</sup>, 2019

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Corrected the cell placed for the Survey field code "PCO"

### **Standard Excel Summary Files**

Path: [\OHDOT\Standards\OHDOT Utilities\GenSum\Standard\\_Excel\\_Summaries\](#)

- Updated all summary excel files
  - Fixed missing merging of cells
  - Fixed incorrectly rotation of text
  - Fixed missing cell wrapping
  - Set calculation method to automatic
  - Updated formulas to display LS in the units column if the item is a LS item.

### **OpenRoads Design Training Guides**

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design\Guides\](#)

- OHDOT\_ORD\_Design\_100\_ORD\_Introduction.pdf
  - Modified to add new information for creating WorkSets. Removed information about the Startup.dgn file and Startup.mvba application which are no longer needed with the new WorkSet creation app.
- OHDOT\_ORD\_Design\_600\_ORD\_Right-of-Way.pdf
  - New section

### **OpenRoads Survey Training Guides**

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Survey\Guides\](#)

- OHDOT\_ORD\_Survey\_100\_WorkSet\_Creation.pdf
  - Modified to add new information for creating WorkSets. Removed information about the Startup.dgn file and Startup.mvba application which are no longer needed with the new WorkSet creation app.
- OHDOT\_ORD\_Survey\_400\_Drainage\_Surveys.pdf
  - Added information for extracting 3D structures from the survey data

### **OHDOTCreateWorkSet.exe v1.0.0.1**

Path: [\OHDOT\Standards\Applications\](#)

- Updated to fix application not loading for externals
- Fixed auto-login problem for internal ODOT users
- Fixed workspace CSB not being applied to the WorkSet/WorkArea (ProjectWise)
- Set Structures Expander to default to expanded.

- Added button to Results section to copy results to clipboard

### OHDOTCreateWorkSet.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation with revision history.

### OHDOT\_Startup.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Updated to fix sending of analytics.

### GAAppHidden.exe

Path: [\OHDOT\Standards\Applications\](#)

- Updated to fix sending of analytics (this app is used by the vbas to send analytics)

## November 15<sup>th</sup>, 2019

### OpenRoads Design Training Guides

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design\Guides\](#)

- Added the following document:
  - OHDOT\_ORD\_Design\_510\_Existing\_Features.pdf

### 000000\_OHDOT\_Template.cfg

Path: [\OHDOT\Standards\WorkSet\\_Templates\](#)

- Fixed mis-spelling of the word configuration

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added cross section annotation definitions for guardrail

### OHDOT\_Feature\_DrainageAndUtilities.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Reconfigured all of the Graphical Filters used for extracting 3D Nodes from survey data

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

Added the following lines to check if certain 3<sup>rd</sup>-party applications are installed.

```
=====
# Third-Party Applications
=====
#-----
# AutoTURN - AutoTURN (Enables buttons in ODOT Menus)
%if exists ($(_USTN_APPL)AutoTURN102.cfg) #AutoTURN.CFG - Configuration for AutoTURN Application
    OHDOT_AutoTURN = 1           #ODOT verification for custom tool dialogs
%endif
#-----
# Torrus -Torrus (Enables buttons in ODOT Menus)
%if exists ($(_USTN_APPL)TORUS51.cfg)   #AutoTURN.CFG - Configuration for AutoTURN Application
```

```

        OHDOT_Torus = 1                #ODOT verification for custom tool dialogs
    %endif
    #-----
    #-----
    # TopoDOT - TopoDOT (Enables buttons in ODOT Menus)
    %if exists ($(_USTN_APPL)TopoDOT.cfg)    #TopoDOT.CFG - Configuration for TopoDOT Application
        OHDOT_TopoDOT = 1                #ODOT verification for custom tool dialogs
    for ODOT
    %endif
    #-----

```

### XXXXXX\_SurveyMaster.xlsm

Path: [\OHDOT\Standards\Survey Files\](#)

- Fixed formula for the grid northing cell (D38) in the PointTemplate Sheet.
- Updated the version listed in the file's title property (v2019.11.01)

### WorkSet Template Seed Files

Path: [\OHDOT\Standards\WorkSetTemplates\000000\\_OHDOT\\_Template\990-WorkSetStandards\Seed\](#)

- Updated the seed files to set Arial as the default font and to delete unused fonts
- Removed these seed files!

### OHDOT\_Seed2d.dgn

Path: [\OHDOT\Standards\Seed\](#)

- Updated the seed files to set Arial as the default font and to delete unused fonts

### OHDOT\_Seed3d.dgn

Path: [\OHDOT\Standards\Seed\](#)

- Updated the seed files to set Arial as the default font and to delete unused fonts

### OHDOT\_GUI.dgnlib

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Added button to the OHDOT WorkFlow to launch the Create WorkSet application.
- Added the following named expressions to return true/false for is a variable is defined. This is use in the visibility property for some buttons in the OHDOT workflow in the Ribbon.
  - IsOHDOTAutoTURN
  - IsOHDOTTorus
  - IsOHDOTTopoDOT
- Added the following buttons to launch mdl applications to the new group (Third-Party Applications) within the apps tab of the OHDOT workflow in the ribbon. The visibility of these buttons are controlled via the named expressions listed above
  - Load Auto-TURN
  - Load Torus
  - Load TopoDOT

### OHDOTCreateWorkSet.exe

Path: [\OHDOT\Standards\Applications\](#)

- New application to create worksets.

### **OHDOTCreateWorkSet.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Documentation for new OHDOTCreateWorkSet application.

### **OHDOT Create WorkSet YouTube Playlist**

Path: <https://www.youtube.com/watch?v=bvi4fbCho18&list=PLdyShNRgZlb53clFIDeGkZHys4EOjw7F>

- New YouTube play list with 4 videos that explain various things about the Create WorkSet Application.

### **OHDOT\_Startup.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Updated to no longer start the Setup project dialog, since this is now all handled via the new workset creation app.

### **Google Analytics and OhioDOT-CADD.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated to add in what is being tracked in the OHDOTCreateWrkSet.exe application.

### **WorkSetTemplates**

Path: [\OHDOT\Standards\WorkSetTemplates\](#)

- Added the following sub templates.
  - OHDOT\_SubTemplate\_Bridge
  - OHDOT\_SubTemplate\_Culvert
  - OHDOT\_SubTemplate\_Wall
  - OHDOT\_SubTemplate\_Survey
  - OHDOT\_SubTemplate\_Engineering
- Removed all seed files from templates

### **OhioDOTCONNECTCADDStandardsInstaller\_Server\_v10010.exe, v1.0.0.10**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Server\\_v10010.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Server_v10010.exe)

- Updates Notification system to version 1.0.0.4
- Updates sync tool to version 1.0.0.5

### **OhioDOTCONNECTCADDStandardsInstaller\_Client\_v10010.exe, v1.0.0.10**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Client\\_v10010.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Client_v10010.exe)

- Updates Notification system to version 1.0.0.4

### **OhioDOTCONNECTCADDStandardsInstaller\_Local\_v10010.exe, v1.0.0.10**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Local\\_v10010.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Local_v10010.exe)

- Updates Notification system to version 1.0.0.4
- Updates sync tool to version 1.0.0.5

### **OhioDOTCONNECTCADDStandardsInstaller\_PW\_v1004.exe, v1.0.0.4**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_PW\\_v1004.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_PW_v1004.exe)

- Updates Notification system to version 1.0.0.4

## OHDOT\_CONNECT CADD Standards Revision History

- Updates sync tool to version 1.0.0.5

### Installing OHDOT CONNECT Standards.pdf

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/Installing%20OHDOT%20CONNECT%20Standards.pdf>

- Updated to correspond with updating all installers.

### OhioDOTCADDNotifications.pdf

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDNotifications.pdf>

- Updated to correspond with updating the Notification system to version 1.0.0.4

### OHDOTStandardsSyncTool.pdf

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTStandardsSyncTool.pdf>

- Updated to correspond with updating the Sync tool to version 1.0.0.5

## October 21<sup>th</sup>, 2019

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- The October 17<sup>th</sup> 2019 release of this file inadvertently removed all custom linestyles from the by-level settings of all levels. Custom linestyles were added back to the by-level settings.
- Imported all linestyles into this file and removed the OHDOT\_Linestyles.dgnlib

### OHDOT\_Linestyles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Line Styles\](#)

- Removed this file since all custom line styles now exist inside the OHDOT\_Feature\_Definitions.dgnlib

### Line Styles Folder

Path: [\OHDOT\Standards\Dgnlib\Line Styles\](#)

- Removed this Folder.

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Updated the following configuration variable:  
MS\_DGNLIBLIST\_LINESTYLES >  $\$(\_USTN\_WORKSPACESTANDARDS)Dgnlib/Feature$   
 $Definitions/OHDOT\_Feature\_Definitions.dgnlib$   ~~$Line\_Styles/OHDOT\_LineStyles.dgnlib$~~

## October 18<sup>th</sup>, 2019

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Changed the value of the following variable from 1 to 0. The result is that copied survey elements from a reference file are now simple graphics.



CIVIL\_SURVEY\_RETAIN\_SURVEY\_ON\_COPY = 0

### XXXXXX\_SurveyMaster.xlsm

Path: \OHDOT\Standards\Survey Files\

- Made compatible with excel 64bit.
- Fixed errors for non-ProjectWise users.
- Updated PointTemplate sheet to convert Delta Northings, Eastings, and Heights to the specified import units from the GPS\_import sheet
- Updated Point Template sheet to allow overwriting the final monument coordinate Elevation values.
- Added version to the file's title property (v2019.10.18)

## October 17<sup>th</sup>, 2019

### OHDOT\_WorkSpace.cfg

Path: \OHDOT\Standards\Config\

- Added the following configuration variable:  
MS\_DGNLIBLIST\_LINESTYLES > \$(\_USTN\_WORKSPACESTANDARDS)Dgnlib/Line Styles/OHDOT\_LineStyles.dgnlib
- Fixed the incorrect path to run cfg stored in the local\config folder:  

```
%if exists $( _USTN_WORKSPACEROOT)Local\config\*.cfg
%include $( _USTN_WORKSPACEROOT)Local\config\*.cfg
%endif
```

### 000000\_OHDOT\_Template.cfg

Path: \OHDOT\Standards\WorkSet\_Templates\

- Changed the following path variable
  - MS\_PRINTDEF\_PATH = 990-WorkSetStandards/Plotdrv/ (was 000-Admin/PlanReviews/)

### 000000\_OHDOT\_Template folder structure

Path: \OHDOT\Standards\WorkSet\_Templates\

- Changed the following things
  - Change ExistingInformation folder name to Research
  - Added OfficeData folder inside SurveyData folder
  - Moved Reports folder from inside FieldData to inside OfficeData Folder.

### OHDOT\_Balloon.mvba

Path: \OHDOT\Standards\Vba\

- Removed the ability to track balloon reference numbers in a CSV file until this application is modified to support ProjectWise.
- Fixed a problem with the Typical Section mode.

### OHDOT\_IntersectionDetails.mvba

Path: \OHDOT\Standards\Vba\

- New application used to label elevations on intersection detail sheets.

### **OHDOT\_IntersectionDetails.pdf**

Path: [\OHDOT\Standards\Docs\](#)

- Documentation to go with the new OHDOT)IntersectionDetails.mvba application.

### **OHDOT\_Notes.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Fixed code to find local .not files.

### **OHDOT\_GUI.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Added an icon to the OHDOT WorkFlow for the OHDOT\_IntersectionDetails application

### **Custom\_Menu.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Copied the latest version of this file from the Bentley delivered WorkSpace

### **OHDOT\_RW.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Corrected the line styles for the various Right-of-Way XS annotation cells

### **OHDOT\_SheetSeed2d.dgn**

Path: [\OHDOT\Standards\Seed\Sheets\](#)

- Changed the name of the View Group to “Sheet”

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Updated the proposed profile annotation to include annotation for the slope at the midpoint of vertical tangent lines.
- Updated the cross-section annotation to include RW labels
- Changed the offset for the cross-section quantity table on 5-scale sheets
- Cleared out duplicated custom linestyles that were causing problems with pavement marking linestyles scaling when they should not

### **OHDOT\_Text\_Dimension\_Styles.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added a text favorite for the profile line slope value.
- Removed and extra leading space from the cross-section offset label

### **OHDOT\_ItemTypes.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\ItemTypes\](#)

- Deleted unused fonts in the file

### **Cell Libraries**

Path: [\OHDOT\Standards\Cell\](#)

- Purged unused fonts from all cell libraries

### Sheet Seed Files

Path: \OHDOT\Standards\dgnlib\Sheet Seeds\

- Purged unused fonts from all sheet seed files

### Seed Files

Path: \OHDOT\Standards\Seed\

Path: \OHDOT\Standards\Seed\Sheets\

- Purged unused fonts from all seed files

### OHDOT\_Seed.pset

Path: \OHDOT\Standards\pltcfg\

- Minor changes

### btn\_origin.bmp/btn\_origin.png

Path: \OHDOT\Standards\OHDOT Utilities\Source\

- Icon used in vba app.

## September 23, 2019

### OHDOT\_Linestyles.dgnlib

Path: \OHDOT\Standards\Dgnlib\Line Styles\

- Corrected several pavement marking linestyles so they are drawn to “physical” dimensions and do not scale when the annotation scale is changed.

### OHDOT\_Labels.cel

Path: \OHDOT\Standards\Cell\

- Modified the Station and Offset label to use LT and RT suffixes

### OHDOT\_Features\_DrainageAndUtilities.dgnlib

Path: \OHDOT\Standards\Dgnlib\Feature Definitions\

- Added element templates and feature definitions for proposed electric, gas, and water utilities
- Deleted unused fonts in the file

### OHDOT\_DrainageAndUtilities.cel

Path: \OHDOT\Standards\Cell\

- Added 3D cells for proposed electric, gas, and water utilities

### OHDOT\_Symbols.cel

Path: \OHDOT\Standards\Cell\

- Added cells for proposed electric, gas, and water utilities

### OHDOT\_Feature\_Definitions.dgnlib

Path: \OHDOT\Standards\Dgnlib\Feature Definitions\

- Deleted unused fonts in the file

## September 6, 2019

### OpenRoads Documentation

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design\Guides\](#)

- Updated the following document:
  - OHDOT\_ORD\_Design\_800\_Plan\_and\_Profile\_Sheets.pdf

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design\Exercises\](#)

- Updated the following document:
  - OHDOT\_ORD\_Design\_801\_Plan\_Sheet\_Exercises.pdf

### Plan/Profile Sheet Configuration DGNLIBS

Path: [\OHDOT\Standards\Dgnlib\Sheet Seeds\](#)

- The plan and profile sheet DGNLIBS have been revised to accommodate user selected scale values. The sheet DGNLIBS are no longer scale specific. The old sheet DGNLIBS have been removed from the Standards. Sheets are now placed in the sheet model at a 1:1 scale. See ODOT's Sheet Clipping documentation for more information.
  - OHDOT\_Plan.dgnlib
  - OHDOT\_Plan-Pro.dgnlib
  - OHDOT\_Plan-Plan.dgnlib
  - OHDOT\_Plan-Pro-Sum.dgnlib
  - OHDOT\_Pro.dgnlib
  - OHDOT\_Pro-Pro.dgnlib

### Cross Section Sheet Configuration DGNLIBS

Path: [\OHDOT\Standards\Dgnlib\Sheet Seeds\](#)

- Changed default value for display override to never
  - OHDOT\_XS\_10-Scale.dgnlib
  - OHDOT\_XS\_5-Scale.dgnlib

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Added the following configuration variable:
  - MS\_LEVEL\_DO\_NOT\_OVERRIDE\_DESIGN\_LEVELS\_IN\_SHEET = 1

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Corrected missing custom linestyle definitions for several pavement marking levels

### OHDOT\_Text\_Dimension\_Styles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Modified several text favorites to show leading and trailing zeros where applicable.

- Deleted all the dimension styles used for labeling and replaced them with two generic options as follows:
  - `_lbl_Leader_Line`
  - `_lbl_Leader_Line_With_Termnator`

### Tech Tips and Best Practices

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\Tech Tips and Best Practices](#)

- Created Folder for Tech Tips and Best Practices
- Added Single PID Projects with Multiple Locations Best Practice.pdf

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Cell\](#)

- Changed the Scale1, Scale2, and Scale2 item type values to 0 in each of the boarder cells that contain a scale bar.
- Updated every cell to re-associate all text fields back to an item type property.

### OHDOTMonumentReport.dll, v1.0.0.0

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Replacement to the old Monument report app. This application places the monument report in the Survey Master excel file.

### XXXXXX\_SurveyMaster.xlsm

Path: [\OHDOT\Standards\Survey Files\](#)

- Major update to address several issues like units and added in automation as well as integrated with ProjectWise.

### OHDOT\_Labels.cel

Path: [\OHDOT\Standards\Cell\](#)

- Revised the cell XS Quantity Table

### OhioDOTCONNECTCADDStandardsInstaller\_Server\_v1008.exe, v1.0.0.9

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Server\\_v1009.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Server_v1009.exe)

- Updated to better integrate silent installs with the command prompt.
  - the command prompt now waits for the install/update/uninstall to complete before moving on.
  - the command prompt now displays the results.

### OhioDOTCONNECTCADDStandardsInstaller\_Client\_v1008.exe, v1.0.0.9

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Client\\_v1009.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Client_v1009.exe)

- Updated to better integrate silent installs with the command prompt.
  - the command prompt now waits for the install/update/uninstall to complete before moving on.
  - the command prompt now displays the results.

### OhioDOTCONNECTCADDStandardsInstaller\_Local\_v1008.exe, v1.0.0.9

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Local\\_v1009.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Local_v1009.exe)

- Fixed installer to place OHDOT workspace config file in correct location.
- Updated to better integrate silent installs with the command prompt.

## OHDOT\_CONNECT CADD Standards Revision History

- the command prompt now waits for the install/update/uninstall to complete before moving on.
- the command prompt now displays the results.

### **OhioDOTCONNECTCADDStandardsInstaller\_PW\_v1003.exe, v1.0.0.3**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_PW\\_v1003.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_PW_v1003.exe)

- Updated to better integrate silent installs with the command prompt.
  - the command prompt now waits for the install/update/uninstall to complete before moving on.
  - the command prompt now displays the results.

### **Installing OHDOT CONNECT Standards.pdf**

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/Installing%20OHDOT%20CONNECT%20Standards.pdf>

- Updated to correspond with updating all installers.

## August 27, 2019

### **Survey Field Code Lists**

Path: [\OHDOT\Standards\Survey Files\Field Codes\](#)

- Added updated versions of the Survey Field Code Lists for Trimble and Leica Brand data collectors.
  - (OHDOT20190227\_Trimble.zip and OHDOT20190405\_Leica.zip)

### **OHDOT\_WorkSpace.cfg**

Path: [\OHDOT\Standards\Config\](#)

- Added the following config vars to set the location of ODOT stand alone apps
  - OHDOT\_APPS = \$( \_USTN\_WORKSPACESTANDARDS)Applications/

### **OHDOT\_GUI.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Updated OHDOT Project Indexer button to use the OHDOT\_APPS config variable to find the exe so that it works inside projectwise.
- Updated OHDOT Title Sheet Map button to use the OHDOT\_APPS config variable to find the exe so that it works inside projectwise.
- Updated OHDOT Zip Verifier button to use the OHDOT\_APPS config variable to find the exe so that it works inside projectwise.
- Updated OHDOT Monument Report button to launch the new OHDOTMonumentReport.dll Addin app.

### **OHDOTMonumentReport.dll, v1.0.0.0**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Replacement to the old Monument report app. This application places the monument report in the Survey Master excel file.

### **OHDOTMonumentReport.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- New documentation for the new OHDOTMonumentReport Application.

### **Google Analytics and OhioDOT-CADD.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated to add in what the OHDOTMonumentReport app is tracking.

### Training Files

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Design](#)

- Added Design DataSets.
- Organized files into sub folders (Guides for Training guides, WorkSet\_Templates for DataSets, Exercises for exercise guides)

### OhioDOTCONNECTCADDStandardsInstaller\_Server\_v1008.exe, v1.0.0.8

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Server\\_v1008.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Server_v1008.exe)

- Updated Notification System to version 1.0.0.3

### OhioDOTCONNECTCADDStandardsInstaller\_Client\_v1008.exe, v1.0.0.8

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Client\\_v1008.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Client_v1008.exe)

- Updated Notification System to version 1.0.0.3

### OhioDOTCONNECTCADDStandardsInstaller\_Local\_v1008.exe, v1.0.0.8

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Local\\_v1008.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Local_v1008.exe)

- Updated Notification System to version 1.0.0.3

### OhioDOTCONNECTCADDStandardsInstaller\_PW\_v1002.exe, v1.0.0.2

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_PW\\_v1002.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_PW_v1002.exe)

- Updated Notification System to version 1.0.0.3

### Installing OHDOT CONNECT Standards.pdf

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/Installing%20OHDOT%20CONNECT%20Standards.pdf>

- Updated to correspond with updating all installers.

### OhioDOTCADDNotifications.pdf

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDNotifications.pdf>

- Updated to correspond with updating the Notification system to version 1.0.0.3 (added 30 sec delay to start up on log in).

## August 9<sup>th</sup>, 2019

### CreateDesignFiles.dll, v1.0.0.8

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed error in code that would only show the first found engineering folder if within ProjectWise. It now shows all found engineering folders.

### CreateDesignFiles.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

## August 7, 2019

### Project\_Indexer.exe, v1.0.1.12:

Path: [\ODOTcadd\Standards\Applications\](#)

- Updated application to display the correct location the zip file is saved at.

### **Project\_Indexer.pdf, v1.0.1.12:**

Path: [\ODOTcadd\Standards\vba\docs\](#)

- Updated documentation to correspond with updates to the application.

### **ProjectMap, v1.0.0.3**

Path: [\ODOTcadd\Standards\ODOT\Applications\](#)

- No changes, same version just recompiled.

### **OHDOT\_WorkSpace.cfg**

Path: [\OHDOT\Standards\Config\](#)

- Changed MS\_FULLPATHINTITLEBAR = 0

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Corrected the Feature Symbology definition for the Geotechnical > GT\_P\_Soil Boring Project item

## July 23, 2019

### **OHDOT\_RoadwayTemplateDefinitions.xlsx**

Path: [\OHDOT\Standards\Template Library\](#)

- Renamed the file from “ODOTcadd” to “OHDOT”

### **Survey Training WorkSet Templates**

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Survey\WorkSet\\_Templates\](#)

- Added a Startup.dgn to each of the WorkSet Templates in the 400-Engineering folder.

### **OHDOT\_WorkSpace.cfg**

Path: [\OHDOT\Standards\Config\](#)

- Modified the MS\_REF\_DEFAULTSETTINGS variable as follows:
  - Add nestOverrides=never
  - Removed synchWithSavedView=allsettings
  - Changed NestDepth = 0

### **OHDOT\_CivilCells\_Intersections.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Civil Cells\](#)

- Removed the civil cell “T-Intersection with Approach”

### **CreateDesignFiles.dll, v1.0.0.7**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Updated code to fix spelling mistake with the 3D model seed file variables. (OHDOT\_DESIGN3DMODELSEED and OHDOT\_DESIGN3DMODELSEEDNAME)

### **CreateDesignFiles.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### **000000\_OHDOT\_Template.cfg**

Path: [\OHDOT\Standards\WorkSet\\_Templates\](#)

- Fixed the spelling mistake on the following variables



- OHDOT\_DESIGN3DMODELSEED (was OHDOT\_DEISGN3DMODELSEED)
- OHDOT\_DESIGN3DMODELSEEDNAME (was OHDOT\_DEISGN3DMODELSEEDNAME)

### July 12, 2019

#### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Modified the value of the variable CIVIL\_CROSSSECTION\_SIDE\_MARGIN to correspond to changes made to the cross-section sheets

#### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Config\](#)

- Added the cell INTERIOR\_CROSS2 containing a table for sheet quantity totals

#### OHDOT\_XS\_5-Scale.dgnlib

#### OHDOT\_XS\_10-Scale.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Sheet Seeds\](#)

- Revised for new cross-section sheet spacing and changes to the XS Sheet format

#### OHDOT\_Labels.cel

Path: [\OHDOT\Standards\Cell\](#)

- Added a cell for cross section quantities

#### OHDOT\_Text\_Dimension\_Styles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Modified the text favorite for cross section offsets so that a leading negative sign is not shown on the cross-section offsets left of center
- Added text favorites for cross section quantities

#### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added the following Levels:
  - PV\_P\_EOP\_Fillets
  - PV\_P\_Seamline
- Added the following Element Templates:
  - Proposed > Pavement > P Edge of Pavement – Fillets
  - Proposed > Pavement > P Seamline
- Added the following Feature Definitions:
  - Linear > Pavement > PV\_P\_Edge\_of\_Pavement\_Fillets
  - Linear > Pavement > PV\_P\_Seamline
- Adjusted the priority value for several levels and element templates.
- Added Annotation Definitions for cross section sheet quantities

#### OHDOT\_Seed.upf

Path: [\OHDOT\Standards\Seed\](#)

- Toggled on: Input > ECS exits command
- Toggled on: Position Mapping > Use Position Mapping
- Toggled off: Update Settings > Check for Updates on Product Launch

### **OHDOT\_CivilCells\_Intersections.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Civil Cells\](#)

- Added an intersection seamline element to mask the edge of pavement line through the limits of the intersection.
- Revised the T-Intersection with Approach civil cell

### **OHDOTSheetManager.dll, v1.0.0.5**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed import from excel error that was not formatting date fields correctly.
- Updated code so that if no engineering folders are found it will search the whole WorkSet Directory (Engineering and Discipline filters will not be populated correctly, but can be used still).

### **OHDOTSheetManager.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### **Setting up Training.pdf**

Path:[X:\CADDservices\OHDOT\\_CONNECT\WorkSpaces\OHDOT\Standards\OHDOT Utilities\Training\](#)

- New Document detailing how to set up training worksets inside and outside of projectwise.

### **Training Files**

Path:[X:\CADDservices\OHDOT\\_CONNECT\WorkSpaces\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\](#)

- Added Survey DataSets.
- Organized files into sub folders (Guides for Training guides, WorkSet\_Templates for DataSets)

### **OHDOTSheetCells.dll, v1.0.0.1**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed placement of Design Agency Cell
- Fixed placement of sheet cell using Active Angle or view rotation.

### **OHDOTSheetCells.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### **000000\_OHDOT\_Template.cfg**

Path: [\OHDOT\Standards\WorkSetTemplates\](#)

- Moved variables around.

## July 3<sup>rd</sup>, 2019

### **OHDOTSheetManager.dll, v1.0.0.4**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed crashing errors when running from a dgn that's in projectwise.

### OHDOTSheetManager.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### Item\_Master\_addin.xlam

Path: [\OHDOT\Standards\OHDOT Utilities\GenSum\Addin-ins\](#)

- Added spec year 2019 item master.

### CreateDesignFiles.dll, v1.0.0.6

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed bug that was not placing the comments for the first created file.
- Fixed bug that was leaving Use Annotation Scale toggled off when adding a reference to collector file.
- Updated code to validate selected seed files. If a valid seed file is not found then the cell will turn red. Default seeds are set in the workset cfg file.

### CreateDesignFiles.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### 000000\_OHDOT\_Template.cfg

Path: [\OHDOT\Standards\WorkSet\\_Templates\](#)

- Added the following variables to define the default 3d design seed (used in CreateDesignFiles app.)

OHDOT_DEISGN3DMODELSEED	= \$(OHDOT_PID)_DesignSeed3d.dgn
OHDOT_DEISGN3DMODELSEEDNAME	= Design

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Toggled on the display of triangles in the Element Templates for all the terrain features defined to place contours.
- Corrected the Feature Symbology for several Feature Definitions
- Changed the line style for existing and proposed centerlines to line code 7.

## June 18<sup>th</sup>, 2019

### OHDOTSheetManager.dll, v1.0.0.3

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Made application more dynamic by having it read two new config variables, OHDOT\_SheetItemTypesInfo, and OHDOT\_SheetManagerKeyWord.

### OHDOTSheetManager.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Added the following configuration variables
  - OHDOT\_SheetItemTypesInfo = Item Type DGNLIB Name ~ Sheet Item Type Library Name ~ Master Item Type Name (ex. OHDOT\_ITEMTYPES~OHDOT\_ItemTypes~OHDOT\_SHEETS\_MASTER)
  - OHDOT\_SheetManagerKeyWord = common text in all sheet itemtype names (ex. OHDOT\_SHEET)

**June 17<sup>th</sup>, 2019**

**CTY-PID-GENSUM.xlsm, v2019.06.10**

Path: [\OHDOT\Standards\OHDOT Utilities\GenSum\](#)

- Updated DGNClip sheet to text wrap heading row.

**June 13<sup>th</sup>, 2019**

**OhioDOTCONNECTCADDStandardsInstaller\_Server\_v1006.exe, v1.0.0.7**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Server\\_v1007.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Server_v1007.exe)

- Updated Notification System to version 1.0.0.2

**OhioDOTCONNECTCADDStandardsInstaller\_Client\_v1006.exe, v1.0.0.7**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Client\\_v1007.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Client_v1007.exe)

- Updated Notification System to version 1.0.0.2

**OhioDOTCONNECTCADDStandardsInstaller\_Local\_v1006.exe, v1.0.0.7**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Local\\_v1007.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Local_v1007.exe)

- Updated Notification System to version 1.0.0.2

**OhioDOTCONNECTCADDStandardsInstaller\_PW\_v1000.exe, v1.0.0.1**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_PW\\_v1001.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_PW_v1001.exe)

- Updated Notification System to version 1.0.0.2

**OhioDOTCONNECTCADDStandardsInstaller\_Server\_v1006.exe, v1.0.0.6**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Server\\_v1006.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Server_v1006.exe)

- Updated Notification System to version 1.0.0.1
  - Updated to work with OhioDOT’s ProjectWise CADD Standards Installer.
  - Fixed error in code that didn’t show standard update notification if multiple updates were pushed out in the same day.
- Updated setting/finding config vars during install/uninstall
- Small stability code fixes
- Updates Sync Tool is version 1.0.0.4
  - Added menu item for opening the running updates document.
  - Fixed crashing error if sync files cant be found
  - Added ability to pass command line parameters.
  - Made GUI responsive when reset button is selected.

**OhioDOTCONNECTCADDStandardsInstaller\_Client\_v1006.exe, v1.0.0.6**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Client\\_v1006.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Client_v1006.exe)

- Updated Notification System to version 1.0.0.1
  - Updated to work with OhioDOT’s ProjectWise CADD Standards Installer.
  - Fixed error in code that didn’t show standard update notification if multiple updates were pushed out in the same day.
- Updated setting/finding config vars during install/uninstall
- Small stability code fixes

**OhioDOTCONNECTCADDStandardsInstaller\_Local\_v1006.exe, v1.0.0.6**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller\\_Local\\_v1006.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_Local_v1006.exe)

- Updated Notification System to version 1.0.0.1

- Updated to work with OhioDOT's ProjectWise CADD Standards Installer.
- Fixed error in code that didn't show standard update notification if multiple updates were pushed out in the same day.
- Updated setting/finding config vars during install/uninstall
- Small stability code fixes
- Updates Sync Tool is version 1.0.0.4
  - Added menu item for opening the running updates document.
  - Fixed crashing error if sync files cant be found
  - Added ability to pass command line parameters.
  - Made GUI responsive when reset button is selected.

### **OhiDOTCONNECTCADDStandardsInstaller\_PW\_v1000.exe, v1.0.0.0**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiDOTCONNECTCADDStandardsInstaller\\_PW\\_v1000.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiDOTCONNECTCADDStandardsInstaller_PW_v1000.exe)

- Initial Release.

### **Installing OHDOT CONNECT Standards.pdf**

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/Installing%20OHDOT%20CONNECT%20Standards.pdf>

- Updated to correspond with updating all installers.

### **OhiDOTCADDNotifications.pdf**

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiDOTCADDNotifications.pdf>

- Updated to correspond with updating the Notification system to version 1.0.0.1

### **OHDOTStandardsSyncTool.pdf**

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhiDOTCADDNotifications.pdf>

- Updated to correspond with updating the Sync tool to version 1.0.0.4

### **Reports**

Path: [\OHDOT\Standards\Reports\](#)

Added the following XSL Style Sheets for reports:

- OHDOT\_LegalDescription\_MetesAndBounds.xsl

### **Training Documents**

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Survey\](#)

Added the following doc for OpenRoads Survey:

- OHDOT\_ORD\_Survey\_700\_Reports.pdf

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Set the View Independent and View Readable attributes to True for the various Survey Annotation Groups
- Modified the feature definition for profiles to display vertical curves with a different color than the vertical tangent line.
- Corrected the element template for station equation leader lines
- Added the levels, element templates, and feature definitions for Undercut
- Added the levels, element templates, and feature definitions for Special Benching
- Added the levels, element templates, and feature definitions for Special Benching Temporary Fill
- Fixed missing symbology settings for the Volume options
- Feature Definition changes:
  - Removed Mesh > Subgrade > MD\_P\_Subgrade

- Added Mesh > Subgrade > MD\_P\_Undercut
- Mesh > Existing > MD\_X\_Ashpalt\_Pavement changed the Volume Option to Unsuitable with Split = False
- Mesh > Resurfacing > MD\_P\_Pavement\_Planing changed the Volume Option to None
- Mesh > Subgrade > MD\_P\_Chemically\_Stabilized\_Subgrade changed the Volume Option to Unsuitable with Split = True

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Added the following configuration variable: CIVIL\_LABEL\_POT = PI. This forces deflection points on an alignment to be labeled as “PI” instead of “POT” in the station annotation.
- Changed the value of MS\_REF\_NEWLEVELDISPLAY to 0.

### OHDOT\_Text\_Dimension\_Styles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added the following plan labeling Text Favorites:
  - Begin Work, End Work, Suspend Work, Resume Work, Suspend Project, Resume Project, Suspend RW Acquisition, Resume RW Acquisition, Bearing Distance

OHDOT\_Aviation.cel,

OHDOT\_Bridge.cel,

OHDOT\_Drainage.cel,

OHDOT\_DrainageAndUtilities.cel,

OHDOT\_Geotech.cel,

OHDOT\_RW.cel,

OHDOT\_Sheets.cel,

OHDOT\_Symbols.cel

Path: [\OHDOT\Standards\Cell\](#)

- Minor updates.

### OHDOT\_Labels.cel

Path: [\OHDOT\Standards\Cell\](#)

- Added the following ORD label cells:
  - \_lbl\_Pln\_Begin\_Work
  - \_lbl\_Pln\_End\_Work
  - \_lbl\_Pln\_Suspend\_Work
  - \_lbl\_Pln\_Resume\_Work
  - \_lbl\_Pln\_Suspend\_Project
  - \_lbl\_Pln\_Resume\_Project
  - \_lbl\_Pln\_Suspend\_RW\_Acquisition
  - \_lbl\_Pln\_Resume\_RW\_Acquisition
  - \_lbl\_Pln\_Bearing-Distance\_Leader

### OHDOT\_Templates.itl

Path: [\OHDOT\Standards\Template Library\](#)

- Updated various label names.

### **000000\_OHDOT\_Template.cfg**

Path: [\OHDOT\Standards\Template Library\](#)

- Updated to add OHDOT\_WORKSET\_LOC variable at the top of the cfg to make it easier to update the workset cfg file when moving the workset folder around. When workset it moved only this variable needs updated.
- Changed location of workset DGNWS file to be inside the 990-WorkSetStandards folder.

### **OHDOTSheetManager.dll, v1.0.0.2**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Updated code to work around SDK bug that was not updated text fields associated to a Item Type Property within a cell. Note this work around is to open the file which dramatically increases run time.
- Added to results the name of the user who has the document checked out.
- Updated results to show failed messages in red and warning messages in orange.

### **OHDOTSheetManager.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### **CreateDesignFiles.dll, v1.0.0.5**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Updated code to create collector files (inside and outside of Projectwise)
- Added to results the name of the user who has a collector file checked out if collector file can not be updated
- Updated results to show failed messages in red and warning messages in orange.
- Added settings menu tab with a toggle button item for defining if the last created file should be made the active file, this is saved automatically as a user setting.

### **CreateDesignFiles.csv**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated to turn on collector files for Geometry basemaps.

### **CreateDesignFiles.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

## May 24<sup>th</sup>, 2019

### **Google Analytics and OhioDOT-CADD.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated for new apps.

### **OHDOTSheetManager.dll, v1.0.0.1**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Updated code to write the sheet title to the model description and the page number to the sheet number model property.
- Fix bug that left excel open in the background if an error happened during an Import from excel operation.

### **OHDOTSheetManager.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### **CreateDesignFiles.dll, v1.0.0.4**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Removed “Default Comment” as the default value for Default Comments column.

### **DesignFilesList.csv**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Updated to correspond with version 1.0.0.4 updates to the CreateDesignFiles app.
- Added Field Digital Terrain Model Basemap (FD) option.

### **CreateDesignFiles.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### **OHDOT\_Features\_DrainageAndUtilities.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Removed the legacy Surveyed Nodes group

### **OHDOT\_Text\_Dimension\_Styles.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Adjusted various Civil Annotation items to show a comma as the thousand’s separator

### **OHDOT\_Styles\_Printing.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Print Styles\](#)

- Updated ODOT\_SheetName Named Expression to use the Model Description instead of the sheet name model property since that property was removed in the connect edition.
- Updated ODOT\_PID\_SheetNumber Named Expression to get the OHDOT\_PID variable rather than the ODOT\_PID variable(which does not exist).

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added plan view distance, bearing, and curve data annotation groups to all Right-of-Way feature definitions
- Changed the cell and level for the CALCPT Element Template and Feature Definition
- Fixed the following problems with the X Alignment Stationing annotation group:
  - Length label text justification
  - Major Station interval for the 500’ option



- Adjusted the Minor Station Tic size for alignment annotation
- Corrected the numeric values for survey mapping codes as follows:
  - 1 = BL\*
  - 2 = EL\*
  - 3 = OC\*
  - 4 = CL\*

### **OHDOT\_Symbols.cel**

Path: [\OHDOT\Standards\Cel\](#)

- Added the cell CALCPT

### **OHDOT\_ExistingStormSewers.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Added a test to check if the point name read from a CSV file is a drainage feature
- Set the font to Arial for the annotation

### **OHDOT\_MonumentReport.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Corrected a problem with the app not reporting all the various monument types

### **OHDOT\_Signs.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Improved the display of the selected sign cell within the dialog
- Set the application to always place italicized text

### **OHDOT\_Startup.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Added code to bypass the application if the active DGN file is in ProjectWise

### **CONNECT\_Project\_Folders.xlsx**

Path: [\OHDOT\Standards\OHDOT Utilities\Documentation\](#)

- Documentation for the intended use of each folder in the OHDOT Folder Structure

### **Seed Files**

Path: [\OHDOT\Standards\Seed\](#)

- Recreated all the seed files to clean up OpenRoads Civil data branding issues

### **OHDOT\_RW.cel**

Path: [\OHDOT\Standards\Cel\](#)

- Fixed various problems with text spacing and alignment in several cells
- Increased the size of the Surveyor's Seal box to 3.6"x3.6"

### **OHDOT\_Bridge.cel**

Path: [\OHDOT\Standards\Cel\](#)

- Deleted the following cells:
  - SHEETCIR
  - SHEETREF

### OHDOT\_Geotech.cel

Path: [\OHDOT\Standards\Cell\](#)

- Fixed the text alignment in various cells

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Cell\](#)

- Fixed the text alignment in the RW Sheet cells

### Training Documents

Path: [\OHDOT\Standards\OHDOT Utilities\Training\OpenRoads\ORD Survey\](#)

- Added training docs for OpenRoads Survey

### Reports

Path: [\OHDOT\Standards\Reports\](#)

- Added the following XSL Style Sheets for Geometry Point reports:
  - OHDOT\_Points\_NameNEZCode\_ASCII.xml
  - OHDOT\_Points\_NameStaOffNEZCode\_ASCII.xml

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Added the following configuration variable. This variable allows editing the DTY file without the use of OpenCities Map Connect Edition (Formerly Bentley Map Connect Edition):
  - MS\_GEOCOORDINATE\_EDITUSERLIBS = 1

### OHDOT.cfg

Path: [\OHDOT\Standards\Config\TemplateWorkSpaceCFG\](#)

- Added the template OHDOT Workspace cfg file. Note this is only needed for manually configuring the OHDOT CADD standards.

### XXXXXX\_SurveyMaster.xlsm

Path: [\OHDOT\Standards\Survey Files\](#)

- Added the SurveyMaster excel file, which is required to be delivered with the electronic deliverables.

### OHDOT\_Survey\_Codes\_Category.pdf

Path: [\OHDOT\Standards\Survey Files\Field Codes\](#)

- Updated Survey Codes

### OHDOT\_Survey\_Codes\_Alphabetical.pdf

Path: [\OHDOT\Standards\Survey Files\Field Codes\](#)

- Updated Survey Codes

### OHDOT\_SurveyCodes.csv

Path: [\OHDOT\Standards\Survey Files\Field Codes\](#)

- Removed File.

### OHDOT\_SurveyCodesWith Attributes.xlsx

Path: [\OHDOT\Standards\Survey Files\Field Codes\](#)

- Removed File.

### **OHDOT\_3DGuardRail.rsc**

Path: [\OHDOT\Standards\Symb\](#)

- Removed File, as linestyles are imported into a dgnlib.

### **OHDOT\_Linestyles.rsc**

Path: [\OHDOT\Standards\Symb\](#)

- Removed File, as linestyles are imported into a dgnlib.

### **OHDOT\_TextEditorFavoriteSymbols.xml**

Path: [\OHDOT\Standards\Xml\](#)

- Minor update, no real change.

### **StandardsSyncTool.pdf**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Removed doc, moved to ftp location.

## May 1<sup>st</sup>, 2019

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Corrected the level for the Length label for 100' alignment annotation
- Corrected the level for several existing pavement marking element templates
- Removed the following Feature Definitions and Feature Symbologies:
  - Feature Symbologies > Linear > Survey > Default Visualization > Default\_Chain
  - Feature Symbologies > Linear > Survey > Default Visualization > Default\_Curve
  - Feature Symbologies > Linear > Survey > Default Visualization > Default\_Spiral
- Added element templates for Survey Default Point and Default Line
  - Survey > Default Visualization > Points > Default\_Point
  - Survey > Default Visualization > Lines > Default\_Line
- Added the following Feature for default Survey point and line visualization
  - Feature Definitions > Survey > Default
- Added the following Feature Symbologies for Survey default visualization:
  - Feature Symbologies > Linear > Survey > Default Visualization > Default\_Line
  - Feature Symbologies > Point > Survey > Default Visualization > Default\_Point
- Added Level for Existing Airport Light AP\_X\_Lights
- Corrected the levels for several proposed element templates
- Corrected the X\_Alignment station annotation for 1000' labels

### **OHDOT\_Symbols.cel**

Path: [\OHDOT\Standards\Cel\](#)

- Added the cell SURVEY\_DEFAULT\_POINT

### **OHDOT\_Startup.mvba**

## OHDOT\_CONNECT CADD Standards Revision History

Path: [\OHDOT\Standards\Vba\](#)

- Modified the application to place the PSET file in the 990-WorkSetStandards\Plotdrv\ folder.

### OHDOT\_Linestyles.rsc

Path: [\OHDOT\Standards\Symb\](#)

- Add linestyles for Sanitary Pressure Line

### OHDOT\_Linestyles.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Line Styles\](#)

- Add linestyles for Sanitary Pressure Line

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Cell\](#)

- Updated the following items on the INTERIOR\_TITLE model.
  - Added line on Title Sheet for Railroad Involvement
  - Changed ENGINEERS SEAL: to ENGINEER's SEAL:

### \*.cel

Path: [\OHDOT\Standards\Cell\](#)

- Updated cells color that used color 4 (bright yellow) to color 102 (yellow gold) to be visible on sheets and white background viewing.

## April 16<sup>th</sup>, 2019

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Updated to work inside and outside of ProjectWise managed workspace

### 000000\_OHDOT\_Template.cfg

Path: [\OHDOT\Standards\WorkSetTemplates\](#)

- Updated to work inside and outside of a ProjectWise managed workspace

## April 15<sup>th</sup>, 2019

### Sheet DGN Libraries

Path: [\OHDOT\Standards\Dgnlib\Sheet Seeds\](#)

- The sheet seed DGNLIBs were updated with the new sheet cells using Item Types in place of Tag Sets.
- The Tag Sets were deleted from each of the sheet seed DGNLIBs

## April 12<sup>th</sup>, 2019

### OHDOT\_Seed.docking.xml

Path: [\OHDOT\Standards\Xml\](#)

- Docked the Button Bar to the bottom of the screen

### **OHDOT\_Seed.upf**

Path: [\OHDOT\Standards\Seed\](#)

- Toggled on the Auto-focus Tool Settings option

### **OHDOT\_WorkSpace.cfg**

Path: [\OHDOT\Standards\Config\](#)

- Added displayBoundary = 0 to the MS\_REF\_DEFAULTSETTINGS variable definition
- Added OHDOT\_CELLDIR = \${\_USTN\_WORKSPACESTANDARDS}Cell/
- Added MS\_DGNLIBLIST < \${\_USTN\_WORKSPACESTANDARDS}dgnlib/ItemTypes/OHDOT\_ItemTypes.dgnlib

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Fixed the centerline levels not having the custom line style assigned
- Fixed the default terrain model feature definition in the Survey Settings
- Changed the transparency value to 50 for the level SV\_X\_Shot\_Marker
- Added line length annotation to alignments
- Removed the following Import options from the Survey Settings:
  - OHDOT OH83-NF PT,N,E,Z,Code
  - OHDOT OH83-SF PT,N,E,Z,Code
- Add Feature Definition for Proposed Pressurized Sanitary Line

### **OHDOT\_Text\_Dimension\_Styles.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Modified each of the Text Favorites that are used to place station text to exclude the Station Equation Region designation

### **OHDOT\_Linestyles.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Line Styles\](#)

- Imported the missing centerline linestyle
- Add linstyles for proposed and existing pressurized sanitary lines

### **OHDOT\_Terrain\_Graphical\_Filters.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Graphical Filters\](#)

- Added filters and a filter group to build a terrain from survey feature definitions

### **Seed design files**

Path: [\OHDOT\Standards\Seed\](#)

- Changed the Design File Settings > Civil Formatting > Station Settings > Equation parameter to “By Index” in all seed files

### **Seed.dty**

Path: [\OHDOT\Standards\Seed\DTY \](#)

- Updated the coordinate systems that are available for custom ground coordinates

### OHDOT\_Templates.itl

Path: [\OHDOT\Standards\Template Library\](#)

- Added parametric labels for point constraints in many of the templates. Note: More/missing parametric constraint labels will be added in future updates.
- Added dropped curb components

### OHDOT\_GUI.dgnlib

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Updated OHDOT Sheet Manager button to launch the new OHDOTSheetManager.dll Addin app.
- Updated OHDOT Sheet Cells button to launch the new OHDOTSheetCells.dll Addin app.

### OHDOTSheetManager.dll v1.0.0.0

Path: [\OHDOT\Standards\Applications\Addins\](#)

- New application to manage OHDOT sheet properties, which have been switched from tag to ItemTypes.
- Fully integrated with ProjeWise.
- **NOT COMPATIBLE WITH SHEET CELLS PLACED FROM THE BETA VERSIONS OF THE OHDOT CADD STANDARDS!!!**
- See video, <https://youtu.be/s7lOigsB25k>

### OHDOT\_Sheet\_Manager.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- New Documentation for the OHDOTSheetManager app.

### OHDOTSheetCells.dll v1.0.0.0

Path: [\OHDOT\Standards\Applications\Addins\](#)

- New application to place OHDOT sheets, which have been switched from tag to ItemTypes.
- Fully integrated with ProjeWise.
- **NOT COMPATIBLE WITH SHEET CELLS FROM THE BETA VERSIONS OF THE OHDOT CADD STANDARDS!!!**
- See video, <https://youtu.be/dx27-vjlieA>

### SheetCellsList.csv

Path: [\OHDOT\Standards\Applications\Addins\](#)

- New file used with the OHDOTSheetCells.dll app..

### OHDOT\_Sheet\_Cells.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- New Documentation for the OHDOTSheetCells app.

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Cells\](#)

- Replaced all TagSets with ItemTypes.
- Changed the name of the following cells to following naming convention
  - BORDER\_BRIDGE -> BORDER\_3S\_BRIDGE
  - BORDER\_BRIDGE2 -> BORDER\_3S\_BRIDGE2

- BORDER\_BRIDGE2\_N -> BORDER\_3NS\_BRIDGE2
- BORDER\_BRIDGE\_N -> BORDER\_3NS\_BRIDGE
- BORDER\_8.5x11\_1-> BORDER\_1\_8.5x11
- BORDER\_8.5x11\_2-> BORDER\_2\_8.5x11
- BORDER\_8.5x14 -> BORDER\_2NS\_8.5x14
- Changed the C-R-S text element in BORDER\_2\_8.5x11 to not be annotation aware.
- Removed Scale Bar from Title Sheet
- Removed boxes from top left of every Border Sheet.
- Fixed minor sizing issue on 8.5x11 and 8.5x14 cells.
- Fixed minor location issue of the north arrow placement dot in all cells with the north arrow box.

### OHDOT\_Sheets.mvba

Path: [\OHDOT\Standards\Vvba\](#)

- Removed from standards, replaced with OHDOTSheetCells.dll addin.

### ItemTypes Folder

Path: [\OHDOT\Standards\Dgnlib\ItemTypes\](#)

- Added New folder to hold ItemTypes dgnlib.

### OHDOT\_ItemTypes.dgnlib

Path: [\OHDOT\Standards\Dgnlib\ItemTypes\](#)

- New dgnlib containing OHDOT's ItemTypes
- Added Item Type Library named OHDOT\_ItemTypes
- Added the following ItemTypes to the OHDOT\_ItemTypes library
  - OHDOT\_Sheets\_0
  - OHDOT\_SHEETS\_1
  - OHDOT\_SHEETS\_1N
  - OHDOT\_SHEETS\_1NS
  - OHDOT\_SHEETS\_1S
  - OHDOT\_SHEETS\_2
  - OHDOT\_SHEETS\_2N
  - OHDOT\_SHEETS\_2NS
  - OHDOT\_SHEETS\_2S
  - OHDOT\_SHEETS\_3
  - OHDOT\_SHEETS\_3N
  - OHDOT\_SHEETS\_3NS
  - OHDOT\_SHEETS\_3S
  - OHDOT\_SHEETS\_3NS\_BRIDGE1
  - OHDOT\_SHEETS\_3NS\_BRIDGE2
  - OHDOT\_SHEETS\_3S\_BRIDGE1
  - OHDOT\_SHEETS\_3S\_BRIDGE2
  - OHDOT\_SHEETS\_MASTER

All ItemTypes contain a different combination of ItemType Properties.

OHDOT\_SHEETS\_MASTER contains all a master list of all the ItemType Properties, listed below.

- |                 |                |          |
|-----------------|----------------|----------|
| ● PID           | ● Subset Total | ● Scale2 |
| ● Sheet Title   | ● Designer     | ● Scale3 |
| ● Sub-Title     | ● Checker      | ● Scale4 |
| ● Sub-Title 2   | ● Reviewer     | ● CRS    |
| ● Sheet Number  | ● Review Date  |          |
| ● Sheet Total   | ● SFN1         |          |
| ● Subset Number | ● SFN2         |          |

### OHDOT\_ExistingStormSewers.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Updated to use the correct ORD references

### OHDOT\_MonumentReport.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Updated to use the correct ORD references
- Fixed a typo in the application name
- Updated the list of field codes that are considered for the report
- Updated the output path for the report to default to the right location in the 300-Survey folder
- Updated the default file name to use the OHDOT\_PID variable
- Added the Field Book Name to the report

### OHDOT\_RotateSurveySymbols.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Fixed a problem that caused a crash if the app was closed

### TIW Files

Path: [\OHDOT\Standards\Survey Files\TIW\](#)

- Removed the following files:
  - OHDOT-CommaPtNEZCode-OH83-NF.tiw
  - OHDOT-CommaPtNEZCode-OH83-SF.tiw

### OHDOT\_Symbols.cel

Path: [\OHDOT\Standards\Cel\](#)

- Reduced the size of the cell SVPT, which is used for the Survey shot marker

### DesignFilesList.csv

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed spelling errors. (used with Create Design Files app)

### Google Analytics and OhioDOT-CADD.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated for new apps (OHDOT Sheet Manager, OHDOT Sheets)

### OHDOT\_Startup.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Added a few error checks to the code

### OHDOT\_PenC.tbl

Path: [\OHDOT\Standards\Pltcfg\](#)

- Added the following 2 lines

```
*****" = "${MS_PLTDGNFILE_LONG}"
*****" = "MODEL: ${MS_PLTMODELNAME} PAPER SIZE: ${MS_PLTSHEETSIZE} DATE:
${MS_PLTDATE} TIME: ${MS_PLTTIME} USER: ${USERNAME}"
```

**April 3<sup>rd</sup>, 2019**

### OHDOT\_Sheets.cel



Path: [\OHDOT\Standards\Cell\](#)

- Corrected text scaling for two of the interior sheet cells
- Added line for surface wearing course in the Bridge Interior cells.

### **OHDOT\_Linestyles.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Line Styles\](#)

- Re-imported missing 3D Guardrail linestyles

### **OHDOT\_Feature\_Definitions.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Corrected the spelling of the level MD\_P\_Purface\_Chemically\_Stabilized\_Subgrade
- Corrected the XS Element Template definition for existing 3D guardrail Element Templates
- Corrected the Element Template definition for RD\_P\_Guardail MGS-2.1 Wood Post Right
- Changed the interval for the annotation of the existing profile strip grades from 50' to 25'
- Changed the offset for profile slope text in sag vertical curves
- Updated the Survey preferences to recognize the renamed Survey TIW files
- Fixed Terrain Features Definitions missing Feature Symbolologies

Added the following Levels for In-Office Survey Terrain Model Editing:

- SV\_X\_Terrain\_Boundary
- SV\_X\_Terrain\_Break\_Line
- SV\_X\_Terrain\_Spot\_Elevation

Added the following Element Templates for In-Office Survey Terrain Model Editing:

- Survey > Office Use > Terrain Editing > X\_Terrain\_Spot\_Elevation
- Survey > Office Use > Terrain Editing > X\_Terrain\_Boundary
- Survey > Office Use > Terrain Editing > X\_Terrain\_Break\_Line

Added the following Feature Symbolologies for In-Office Survey Terrain Model Editing:

- Survey > Office Use > Terrain Editing > X\_Terrain\_Spot\_Elevation
- Survey > Office Use > Terrain Editing > X\_Terrain\_Boundary
- Survey > Office Use > Terrain Editing > X\_Terrain\_Break\_Line

Added the following Feature Definitions for In-Office Survey Terrain Model Editing:

- Point > Office Use > Terrain Editing > X\_Terrain\_Spot\_Elevation
- Linear > Survey Office Use > Terrain Editing > X\_Terrain\_Boundary
- Linear > Survey Office Use > Terrain Editing > X\_Terrain\_Break\_Line

### **OHDOT\_SheetManager.mvba, v2019-03-13**

Path: [\OHDOT\Standards\Vba\](#)

- Fixed a bug that caused the Excel Output option to crash in specific situations

### **OHDOT\_GUI.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Added the prefix "OHDOT" to the name of all the ODOT applications. This allows users to search the ribbon for all ODOT applications by typing in "ohdot"

### OHDOT\_GCS\_Favorites.xml

Path: [\OHDOT\Standards\Data\](#)

- Redefined the coordinate systems for the GCS Favorites folder

### Fonts

Path: [\OHDOT\Standards\Fonts\](#)

- Fixed sizing issue.

### TIW files

Path: [\OHDOT\Standards\Survey Files\](#)

- Changed the files names from ODOT to OHDOT

### CreateDesignFiles.dll, v1.0.0.2

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed bug if PID folder contained the text "Survey" then it would show extra folders in the survey folder dropdownlists.

### CreateDesignFiles.dll, v1.0.0.3

Path: [\OHDOT\Standards\Applications\Addins\](#)

- Fixed program to set the correct annotation scale when creating new files.
- Fixed crashing error specific to ORD 2019 Update 1

### CreateDesignFiles.pdf

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation corresponding to application updates.

### OHDOT\_Seed.upf

Path: [\OHDOT\Standards\seed\](#)

- Updated the Raster settings

### OHDOT\_Startup.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Modified the code so that it does not run if the DGN file is opened in ProjectWise
- Modified the code to load the new Create Design Files application
- Remove the code to set the Hide Field Background user preference value

### Survey Codes

Path: [\OHDOT\Standards\Survey Files\](#)

- Changed the files names from ODOT to OHDOT

### StandardsSetup\_CONNECT.reg

Path: [\OHDOT\Standards\Cadig\AutoTableStandards\](#)

- Updated reg variable for excel tables being brought into dgnos to work with Ariel

### Delete ORD Prefs.bat

Path: [\OHDOT\Standards\OHDOT Utilities\Utilities\](#)

- Added deleting MS prefs

### CTY-PID-GENSUM.xlsm, v2019.03.27

Path: [\OHDOT\Standards\OHDOT Utilities\GenSum\](#)

- Fix bug that left 0 in cells after generating general summary.

## March 12<sup>th</sup>, 2019

### OHDOT\_SurveyCodes\_ORD.fxl

Path: [\OHDOT\Standards\Survey Files\](#)

- Updated to add a missing field code

### OHDOT\_SCD\_List.mvba

Path: [\OHDOT\Standards\vba\](#)

- Updated spec years to show 2016 and 2019 instead of 2013 and 2016

## March 11<sup>th</sup>, 2019

### OHDOTSymbols.ttf, OHDOTSymbols\_BOLD.ttf, OHDOTSymbols\_BOLDITALICS.ttf, OHDOTSymbols\_ITALICS.ttf

Path: [\OHDOT\Standards\Fonts\](#)

- New font libraries containing only symbols and special characters used by ODOT but not found in the font Arial

### AutoTableSetup\_CONNECT.bat

Path: [\OHDOT\Standards\Cadig\AutoTableStandards\](#)

- Added a batch file that sets up the reg key for use of AutoTable

### StandardsSetup\_CONNECT.reg

Path: [\OHDOT\Standards\Cadig\AutoTableStandards\](#)

- Contains reg key variables for AutoTable

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\config\](#)

- Added the following configuration variables:  
MS\_DOCKINGPREFSEED = \$(\_USTN\_WORKSPACESTANDARDS)xml/OHDOT\_Seed.docking.xml  
MS\_USERPREFSEED = \$(\_USTN\_WORKSPACESTANDARDS)seed/OHDOT\_Seed.upf
- Edited the following variable to include "OHDOT\_" as part of the Preference file name base:  
\_USTN\_PREFNAMEBASE = \$(\_USTN\_HOME\_PREFS)OHDOT\_\$(\_USTN\_PRODUCT\_SHORTNAME)

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Fixed several Survey feature definitions that lost the Feature Symbology definition
- Restored the Level Filters
- Removed the GEOPAK Level Filter

- Removed the following levels:
  - GK\_Clip\_Borders
  - GK\_Patterns
  - GK\_Patterns2
  - GK\_Patterns3
  - GK\_Patterns4
  - GK\_Patterns5
  - GK\_Patterns
  - GK\_Patterns2
  - GK\_Patterns3
  - GK\_Patterns4
  - GK\_Patterns5

### **OHDOT\_GUI.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Removed the OHDOT\_PlanLabels.mvba application icon

### **OHDOT\_Seed.upf**

Path: [\OHDOT\Standards\seed\](#)

- New seed user preference file for use with ORD 2018 Release 4 Update 6 – Version 10.06.00.38

Note: The user preference file is created when a design file is opened if one does not already exist. However, ORD software version 2018 Release 4 Update 6 – Version 10.06.00.38 does not recognize the newly created preference file until the user exists ORD and reenters.

Note: The batch file located in OHDOT\Standards\OHDOT Utilities\ProjectTools\Delete ORD Prefs.bat is used to delete the user preferences for several Bentley products. This batch file should be used to clean up the user settings every time a new software version is installed.

### **OHDOT\_Seed.docking.xml**

Path: [\OHDOT\Standards\xml\](#)

- New seed docking preferences file

### **CreateDesignFiles.dll, v1.0.0.1**

Path: [\OHDOT\Standards\Applications\Addins\](#)

- New application, and supporting files, to replace the old ODOT\_Files.mvba application. This application is used to create design files according to ODOT Standards both inside and outside of the ProjectWise environment
- Supporting files
  - CreateDesignFiles.pdb
  - DesignFilesList.csv
  - GA.dll
  - GA.pdb
  - ODOTPWWrappers.dll
  - ODOTPWWrappers.pdb

Path: [\OHDOT\Standards\Applications\Addins\](#)

## March 5<sup>th</sup>, 2019

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Fixed certain feature definitions that lost their symbology

## March 4<sup>th</sup>, 2019

### Seed Files

Path: [\OHDOT\Standards\Seed\](#)

- Set the default font to Arial in all seed files
- Set the default text height and width to 0.14 in all seed files

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Rebuilt the DGNLIB to clear out some custom line style definitions
- Survey Preferences: Removed all the Survey codes from the Control Point list
- Added new feature definitions for pavement markings based on 3D use

### OHDOT\_GUI.dgnlib

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Changed the Create Design Files icon to call the new Create Design Files MDL application
- Added an icon for the OHDOT\_GetViewRotation.mvba application

### OHDOT\_Aviation.cel

Path: [\OHDOT\Standards\Cell\](#)

- Modified the cells to use font Arial

### OHDOT\_Bridge.cel

Path: [\OHDOT\Standards\Cell\](#)

- Modified the cells to use font Arial

### OHDOT\_Drainage.cel

Path: [\OHDOT\Standards\Cell\](#)

- Modified the cells to use font Arial

### OHDOT\_Geotech.cel

Path: [\OHDOT\Standards\Cell\](#)

- Modified the cells to use font Arial

### OHDOT\_Labels.cel

Path: [\OHDOT\Standards\Cell\](#)

- Changed the level for the bounding box on all the labels to SC\_Scratch1
- Changed the labels to use font Arial

### **OHDOT\_RW.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Modified the cells to use font Arial

### **OHDOT\_Sheets.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Modified the cells to use font Arial

### **OHDOT\_Symbols.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Modified the cells to use font Arial

### **OHDOT\_Text\_Dimension\_Styles.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Modified all text and dimension styles to use Arial as the default font

### **Sign Cell Libraries**

Path: [\OHDOT\Standards\Cell\Signs\](#)

- Modified all libraries to use font Arial

### **OHDOT\_BarInfo.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Changed the default font to Arial

### **OHDOT\_GetViewRotation.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Added the app to ODOT's Connect workspace

### **OHDOT\_Signs.mvba**

Path: [\OHDOT\Standards\Vba\](#)

- Changed the default font to Arial

### **ODOTcadd.ttf, ODOTcadd\_BOLD.ttf, ODOTcadd\_BOLDITALICS.ttf, ODOTcadd\_ITALICS.ttf**

Path: [\OHDOT\Standards\Fonts\](#)

- Removed these fonts from the standards

### **OHDOTSymbols.ttf, OHDOTSymbols\_BOLD.ttf, OHDOTSymbols\_BOLDITALICS.ttf, OHDOTSymbols\_ITALICS.ttf**

Path: [\OHDOT\Standards\Fonts\](#)

- New font libraries containing only symbols and special characters used by ODOT but not found in the font Arial

### **OHDOT\_TextEditorFavoriteSymbols.xml**

Path: [\OHDOT\Standards\Xml\](#)

- Removed the placement of symbols from the ODOTcadd font
- Added the placement of symbols from the OHDOTSymbols font

### New Create Files app

- Added a new file type, "SC". This file is saved in the 300-Survey/Basemaps folder and is used for scanned point clouds and the creation of terrain models from the scanned data.

### OHDOT\_Linestyles.dgnlib

Path: \OHDOT\Standards\Dgnlib\Line Styles\

- Added new line styles for Pavement markings

## February 5<sup>th</sup>, 2019

### OHDOT\_Feature\_Definitions.dgnlib

Path: \OHDOT\Standards\Dgnlib\Feature Definitions\

- Added the following Levels:
  - VL\_Cut\_Volume
  - VL\_Fill\_Volume
  - VL\_Unsuitable\_Remove\_Only
  - VL\_Unsuitable\_Remove\_Replace
- Added the Following Element Templates:
  - Volumes > Volume\_Cut
  - Volumes > Volume\_Fill
  - Volumes > Volume\_Unsuitable\_Remove\_Only
  - Volumes > Volume\_Unsuitable\_Remove\_Replace
- Added the following Feature Symbolologies:
  - Surface > Volumes > Volume\_Cut
  - Surface > Volumes > Volume\_Fill
  - Surface > Volumes > Volume\_Unsuitable\_Remove\_Only
  - Surface > Volumes > Volume\_Unsuitable\_Remove\_Replace
- Added the following Feature Definitions:
  - Mesh > Volumes > Volume\_Cut
  - Mesh > Volumes > Volume\_Fill
  - Mesh > Volumes > Volume\_Unsuitable\_Remove\_Only
  - Mesh > Volumes > Volume\_Unsuitable\_Remove\_Replace\_Split
  - Survey > Drainage > Manholes > MH-3 > Points > MH-3

#### Added the following Element Templates

- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 Steel Post Barrier Design
- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 Steel Post Left
- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 Steel Post Right
  
- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 Wood Post Barrier Design
- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 Wood Post Left
- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 Wood Post Right
  
- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 XS Steel Post Barrier Design
- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 XS Steel Post Left

- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 XS Steel Post Right
- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 XS Wood Post Barrier Design
- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 XS Wood Post Left
- Modeling > Template Points > Guardrail 3D > MGS-2.1 > MGS-2.1 XS Wood Post Right

Added the following Feature Symbolologies:

- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Steel Post Barrier Design
- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Steel Post Left
- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Steel Post Right
  
- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Wood Post Barrier Design
- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Wood Post Left
- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Wood Post Right

Added the following Feature Definitions:

- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Steel Post Barrier Design
- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Steel Post Left
- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Steel Post Right
  
- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Wood Post Barrier Design
- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Wood Post Left
- Linear > Guardrail & Barriers > MGS-2.1 > RD\_P\_Guardrail MGS-2.1 Wood Post Right
  
- Changed the Volume Option to “Existing” for the Existing Terrain Model feature definitions
  
- Reorganized the Mesh > Components folder to better organize the features into separate folders.
  - ***NOTE!!! This will break the feature definition assignments for components in current template libraries that have been generated using the draft workspace prior to this update. In the long run, this will prove to be a better organization for the template component (Mesh) feature definitions.***

### OHDOT\_Templates.itl

Path: [\OHDOT\Standards\Template Library\](#)

- Edited to accommodate changes to the path in OHDOT\_Feature\_Definitions.dgnlib for various component Feature Definitions
  
- Added the following templates for MGS-2.1 Guardrail
  - ODOT > Components > Guardrail > Guardrail MGS-2.1 Steel Post Barrier Design
  - ODOT > Components > Guardrail > Guardrail MGS-2.1 Steel Post Left
  - ODOT > Components > Guardrail > Guardrail MGS-2.1 Steel Post Right
  - ODOT > Components > Guardrail > Guardrail MGS-2.1 Wood Post Barrier Design
  - ODOT > Components > Guardrail > Guardrail MGS-2.1 Wood Post Left
  - ODOT > Components > Guardrail > Guardrail MGS-2.1 Wood Post Right



- Toggled the *Exclude From Top/Bottom Mesh* option on for the Chemically Stabilized Subgrade component in all the applicable templates

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Added the following configuration variable:  
MS\_CONFIGURATIONOPTS = DisallowCreatingWorkSpace
- Removed the configuration variable definition for \_USTN\_WORKSPACESTANDARDS, which is now defined in OHDOT.cfg
- Removed the configuration variable definition for MS\_FONTCONFIGFILE

### OHDOT\_Files.mvba

Path: [\OHDOT\Standards\Vba\](#)

- Added a new file type, “KE” for earthwork meshes and quantity calculation

### OHDOT\_Linestyles.dgnlib

Path: [\OHDOT\Standards\DgnLib\Line Styles\](#)

- Added new custom line styles for MGS-2.1 guardrail types
  - GR3D\_MGS-2.1\_Steel\_Post\_Barrier\_Design
  - GR3D\_MGS-2.1\_Steel\_Post\_Left
  - GR3D\_MGS-2.1\_Steel\_Post\_Right
  - GR3D\_MGS-2.1\_Wood\_Post\_Barrier\_Design
  - GR3D\_MGS-2.1\_Wood\_Post\_Left
  - GR3D\_MGS-2.1\_Wood\_Post\_Right

### OHDOT\_SurveyCodes.FXL

Path: [\OHDOT\Standards\Survey Files\Field Codes\](#)

- File removed and replaced by OHDOT\_SurveyCodes\_ORD.fxl

### OHDOT\_SurveyCodes\_ORD.fxl

Path: [\OHDOT\Standards\Survey Files\Field Codes\](#)

- The following field codes were added:
  - AERLCH, Aerial Lidar Check Shot Soft
  - AERLCS, Aerial Lidar Check Shot Hard
  - BO, Bollard
  - CSB, Cell Service Booster
  - FC, Fire Department Connection
  - FOM, Fiber Optic Line Marker
  - FOMH, Fiber Optic Manhole
  - SCV, Sprinkler Control Valve
- The following field codes were removed:
  - CBR, Round Inlet
  - CBS, Square Catch Basin
  - CI, Curb Inlet
  - CMP, Corrugated Metal Pipe

- CMPA, Corrugated Metal Pipe Arch
- CPP, Corrugated Plastic Pipe
- DP, Drive Pipe
- MI, Median Inlet
- RCP, Reinforced Concrete Pipe
- RCPA, Reinforced Concrete Pipe Arch
- SMP, Smooth Metal Pipe
- SPP, Smooth Plastic Pipe
- SSMH, Sanitary Manhole
- STMH, Storm Manhole
- VCP, Vitrified Clay Pipe

### **ODOTcadd.ttf, ODOTcadd\_BOLD.ttf, ODOTcadd\_BOLDITALICS.ttf, ODOTcadd\_ITALICS.ttf**

Path: [\OHDOT\Standards\Fonts\](#)

- Improved fraction spacing

### **MstnFontConfig.xml**

Path: [\OHDOT\Standards\Fonts\](#)

- This file is no longer necessary and has been removed

### **OHDOT\_Symbols.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Reduced the size of the cell SVPT
- Added the following cells for Guardrail:
  - GRBAR\_MGS\_STEEL\_XS
  - GRBAR\_MGS\_WOOD\_XS
  - GRRT\_MGS\_STEEL\_XS
  - GRRT\_MGS\_WOOD\_XS
  - GRRT\_X\_XS
  - GRLT\_MGS\_STEEL\_XS
  - GRLT\_MGS\_WOOD\_XS
  - GRLT\_X\_XS
- Removed the following cells:
  - GRLT
  - GRRT

### **OHDOT\_Features\_DrainageAndUtilities.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

Added the following Element Templates:

- Existing Utilities > Storm Water > Conduit > Pipe Inlet or Outlet-X
- Proposed Utilities > Storm Water > Conduit > Pipe Inlet or Outlet-P

Added the following Feature Symbolologies:

- Point > Node > StormWaterNode > Pipe Inlet or Outlet-P
- Point > Node > StormWaterNode > Pipe Inlet or Outlet-X

Added the following Feature Definitions:

## OHDOT\_CONNECT CADD Standards Revision History

- Node > StormWaterNode > Existing > Conduit > Pipe Inlet or Outlet-X
- Node > StormWaterNode > Proposed > Conduit > Pipe Inlet or Outlet-P

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\Cell](#)

- Updated the INTERIOR\_TITLE cell:
  - Added the new OUPS information
  - Added the Federal Project Number
  - Changed the Spec Year to 2019

### OHDOT\_Text\_Dimension\_Styles.dgnlib

Path: [\OHDOT\Standards\Cell](#)

- Updated the following text styles to enable stacked fractions:
  - Fract, Masked, Slanted
  - Fract, Slanted
  - Fract-Multiline, Masker, Slanted

### Plan Notes:

Path: [\ODOTcadd\Standards\ODOT\Notes\](#)

- Updated Plan Notes for:
  - 2019\_Bridge600.not
    - Added notes for new BDM manual
  - 2019\_Bridge700.not
    - Added notes for new BDM manual
  - Temp\_Traffic\_Control.not
    - Updated notes: 642-4, 642-5, 642-6, 642-29, 642-52, 642-59
  - Water\_Quality.not
    - Updated notes: W104, W105
  - Signals.not
    - Updated notes: 442-24, 442-46
    - Deleted note 442-14
  - Highway\_Lighting.not
    - Added notes: 1142-25, 1142-26

## December 6<sup>th</sup>, 2018

### OHDOT\_BarInfo.mvba, v2018.11.19

Path: [\OHDOT\Standards\Vba\](#)

- Removed references to the mouse wheel scrolling event, which causes a software crash

### OHDOT\_Bridge.cel

Path: [\OHDOT\Standards\Cell\](#)

- Set the IsAnnotation parameter to False for the text in several cells
- Fixed the fractions not displaying properly in several cells

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Added values for Closed Linear Settings to the following Element Templates:
  - Parcel Areas > P Easement Area
  - Parcel Areas > P Taking Area
  - Parcel Area > X Easement Area
  - Parcel Area > X Occupied Area
- Added a level, Element Template, and Feature Definition for the Parent Tract Area
- Added annotation definitions for Parcel areas
- Added Element Templates for Parcel Annotation
- Change the Element Template property for Parcels from Construction to Primary
- Change the Plot parameter for the Parcel Area levels to allow plotting these elements
- Fixed the VPI Station label prefix to read “VPI” instead of “VPC”
- Corrected the proposed profile Strip Grade elevation interval to 25’ for 20-Scale plans
- Turned off the Plot attribute for several of the CM levels

### **OHDOT\_Files.mvba, v2018.12.05**

Path: [\OHDOT\Standards\Vba\](#)

- Modified the app to use the \400-Engineering\Roadway folder instead of the \400-Engineering\Civil folder, which has been eliminated from the WorkSet template. Note: the app will use the \400-Engineering\Civil folder if it exists on current projects that may be using the draft Workspace.

### **OHDOT\_GUI.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Added an icon for the OHDOT\_BrBar.mvba application

### **OHDOT\_Labels.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Added the following label cells:
  - \_Lbl\_Pln\_Begin\_Project
  - \_Lbl\_Pln\_Begin\_RW\_Acquisition
  - \_Lbl\_Pln\_End\_Project
  - \_Lbl\_Pln\_End\_RW\_Acquisition

### **OHDOT\_RW.cel**

Path: [\OHDOT\Standards\Cell\](#)

- Fixed text and cell spacing problems with the cell CONV\_SYMBOLS

### **OHDOT\_Text\_Dimension\_Stypes.dgnlib**

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Recreated the file to account for changes made by Bentley to the underlying schema for Text Favorites
- Added the following Text Favorites
  - Parcel Curve Data
  - Plan – Begin Project
  - Plan – End Project
  - Plan – Begin RW Acquisition

- Plan – End RW Acquisition

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Removed the following variables:
  - MS\_RFDIR > \$(\_USTN\_WORKSPACESTANDARDS)cntymaps/
  - MS\_RFDIR > \$(\_USTN\_WORKSPACESTANDARDS)Sheet Borders/
- Added the following variable definition:
- CIVIL\_SUBSURFACE\_FILTERS\_DGNLIBLIST > \$(\_USTN\_WORKSPACESTANDARDS)Dgnlib/Feature Definitions/OHDOT\_Features\_DrainageAndUtilities.dgnlib

### 000000\_OHDOT\_Template

Path: [\OHDOT\Standards\WorkSetTemplates\](#)

- Changed the \_USTN\_WORKSETDGNS variable to default to the \_USTN\_WORKSETROOT instead of the 400-Engineering folder. This facilitates attaching references from other folders in the WorkSet rather than having to navigate up the path
- Removed the following folder from the Workset Template:
  - \400-Engineering\Civil
 Data previously contained in this folder will be now stored in the following location:
  - \400-Engineering\Roadway

### 000000\_OHDOT\_Template.cfg

- Added the following configuration variable for the Bentley provided ViewSet.mvba application:
  - VIEWSET\_SETTINGS\_FILE =
  - \$(\_USTN\_WORKSPACESTANDARDS)Vba/ViewControlConfigurations.xml
- Added the following configuration variables for Reference search paths:
  - MS\_RFDIR > \$(\_USTN\_WORKSETROOT)400-Engineering/Drainage/Basemaps/
  - MS\_RFDIR > \$(\_USTN\_WORKSETROOT)400-Engineering/Geotechnical/Basemaps/
  - MS\_RFDIR > \$(\_USTN\_WORKSETROOT)400-Engineering/Landscaping/Basemaps/
  - MS\_RFDIR > \$(\_USTN\_WORKSETROOT)400-Engineering/Lighting/Basemaps/
  - MS\_RFDIR > \$(\_USTN\_WORKSETROOT)400-Engineering/MOT/Basemaps/
  - MS\_RFDIR > \$(\_USTN\_WORKSETROOT)400-Engineering/Roadway/Basemaps/
  - MS\_RFDIR > \$(\_USTN\_WORKSETROOT)400-Engineering/RW/Basemaps/
  - MS\_RFDIR > \$(\_USTN\_WORKSETROOT)400-Engineering/Signals/Basemaps/
  - #MS\_RFDIR > \$(\_USTN\_WORKSETROOT)400-Engineering/Structures/?????/Basemaps/
  - MS\_RFDIR > \$(\_USTN\_WORKSETROOT)400-Engineering/Traffic/Basemaps/
  - MS\_RFDIR > \$(\_USTN\_WORKSETROOT)400-Engineering/Utilities/Basemaps/

Note: The /Structures folder is commented out and can be uncommented and edited with the corresponding bridge folder name as needed.

### Custom\_Menu.dgnlib

Path: [\OHDOT\Standards\Dgnlib\GUI\](#)

- Copied the latest version of the file from the Bentley WorkSpace to the OHDOT WorkSpace

### ViewSet.mvba

Path: \OHDOT\Standards\Vba\

- Copied the latest version of the application from the Bentley WorkSpace
- Copied the related files, ViewSetReadme.txt and ViewControlConfigurations.xml

### OhioDOTCADDStandardsInstaller\_Client.msi v1.0.0.5:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller\\_Client.msi](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller_Client.msi)

- Changed how registry variables are being set.

### OhioDOTCADDStandardsInstaller\_Server.msi v1.0.0.3:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller\\_Server.msi](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller_Server.msi)

- Updated installer to update the sync tool to version 1.0.0.2.
- Changed how registry variables are being set.
- Reverted setting back from version 1.0.0.2 to once again change folder permissions when creating the SyncFiles Directory.

### OhioDOTCADDStandardsInstaller\_Local.msi v1.0.0.6:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller\\_Local.msi](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller_Local.msi)

- Updated installer to update the sync tool to version 1.0.0.2.
- Changed how registry variables are being set.
- Reverted setting back from version 1.0.0.4 to once again change folder permissions when creating the SyncFiles Directory.

### OhioDOTStandards\_Client\_Updater\_v1005.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Client\\_Updater\\_v1005.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Client_Updater_v1005.exe)

- Updated application to update installs of OhioDOTCADDStandardsInstaller\_Client.msi to version 1.0.0.5
- See video, <https://youtu.be/kFMEX0ILV-o>

### OhioDOTStandards\_Server\_Updater\_v1003.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Server\\_Updater\\_v1003.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Server_Updater_v1003.exe)

- Updated application to update installs of OhioDOTCADDStandardsInstaller\_Server.msi to version 1.0.0.3
- See video, <https://youtu.be/kFMEX0ILV-o>

### OhioDOTStandards\_Local\_Updater\_v1006.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Local\\_Updater\\_v1006.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Local_Updater_v1006.exe)

- Updated application to update installs of OhioDOTCADDStandardsInstaller\_Local.msi to version 1.0.0.6
- See video, <https://youtu.be/kFMEX0ILV-o>

### Seed.dty

Path: \OHDOT\Standards\Seed\DTY\

- New file for custom GCS.

### ODOT\_SurveyCodesWithAttributes.xlsx

Path: \OHDOT\Standards\Survey Files\Field Codes\

- New file

### StandardsSyncTool.pdf

Path: \OHDOT\Standards\Applications\Docs\

- Updated for correspond with updating the Sync tool to version 1.0.0.2

### OHDOT\_Startup.mvba, v2018.12.06

Path: \OHDOT\Standards\Vba\

- Updated to reflect changed to the Template folder structure

## December 5<sup>th</sup>, 2018

### OhioDOTCADDStandardsInstaller\_Client.msi v1.0.0.4:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller\\_Client.msi](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller_Client.msi)

- Updated installer to include ConfigurationFixer.exe version 1.0.0.3.

### OhioDOTCADDStandardsInstaller\_Local.msi v1.0.0.5:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller\\_Local.msi](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller_Local.msi)

- Updated installer to include ConfigurationFixer.exe version 1.0.0.3.

### OhioDOTStandards\_Client\_Updater\_v1004.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Client\\_Updater\\_v1004.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Client_Updater_v1004.exe)

- Updated application to update installs of OhioDOTCADDStandardsInstaller\_Client.msi to version 1.0.0.3
- See video, <https://youtu.be/kFMEX0ILV-o>

### OhioDOTStandards\_Local\_Updater\_v1005.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Local\\_Updater\\_v1005.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Local_Updater_v1005.exe)

- Updated application to update installs of OhioDOTCADDStandardsInstaller\_Local.msi to version 1.0.0.5
- See video, <https://youtu.be/kFMEX0ILV-o>

### ConfigurationFixer.pdf:

Path: \OHDOT\Standards\Application\Docs\

- Update document to correspond with the ConfigurationFixer.exe v1.0.0.3 application.

## November 30<sup>th</sup>, 2018

OHDOT\_L.pltcfg, OHDOT\_PDF\_Color.pltcfg, OHDOT.pltcfg, OHDOT\_PDF.pltcfg,  
OHDOT\_PDF\_Levels.pltcfg

Path: \OHDOT\Standards\Pltcfg\

- Fixed default pen table name.

### OhioDOTCADDStandardsInstaller\_Server.msi v1.0.0.2:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller\\_Server.msi](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller_Server.msi)

- Updated installer to not change folder permissions when creating the SyncFiles Directory.

### OhioDOTCADDStandardsInstaller\_Local.msi v1.0.0.4:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller\\_Local.msi](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller_Local.msi)

- Updated installer to not change folder permissions when creating the SyncFiles Directory.

### OhioDOTStandards\_Server\_Updater\_v1002.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Server\\_Updater\\_v1003.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Server_Updater_v1003.exe)

- Updated application to update installs of OhioDOTCADDStandardsInstaller\_Server.msi to version 1.0.0.2
- See video, <https://youtu.be/kFMEX0ILV-o>

### OhioDOTStandards\_Local\_Updater\_v1004.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Local\\_Updater\\_v1003.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Local_Updater_v1003.exe)

- Updated application to update installs of OhioDOTCADDStandardsInstaller\_Local.msi to version 1.0.0.4
- See video, <https://youtu.be/kFMEX0ILV-o>

## November 28<sup>th</sup>, 2018

### OHDOT\_Styles\_Printing.dgnlib

Path: \OHDOT\Standards\Dgnlib\Print Styles\

- Updated all print styles to point to the correct pen table files.

## November 26<sup>th</sup>, 2018

### Workset Template

Path: \OHDOT\Standards\WorksetTemplates\000000\_OHDOT\_Template\

- Moved OURSInfo from 300-Survey/SurveyData/docs to 000-Admin/
- Moved notes and sketches up one level from inside DOC folder and removed DOC folder (survey)
- Added final folder inside 000-Admin/PlanReviews
- Added submission and comments folder inside 000-Admin/PlanReviews/Final/
- Added RW-Final and RW-Preliminary folders inside 000-Admin/PlanReviews
- Added Submissions and Comments folders inside RW-Final and RW-Preliminary folders
- Added Misc folder in 100-Planning folder
- Deleted pltdrv folder from standards
- Moved standards folder up directory and changed name to 990-WorkSetStandards
- Removed Sheets folder from Standards/Seed/
- Change name of 000000\_Seed2d.dgn to 000000\_DesignSeed2d.dgn and 000000\_Seed3d.dgn to 000000\_DesignSeed3d.dgn.
- Updated 000000\_OHDOT\_Template.cfg to correspond with folder structure changes.

## November 26<sup>th</sup>, 2018



### Workset Template

Path: [\OHDOT\Standards\WorksetTemplates\000000\\_OHDOT\\_Template\](#)

- Moved OURSInfo from 300-Survey/SurveyData/docs to 000-Admin/
- Moved notes and sketches up one level from inside DOC folder and removed DOC folder (survey)
- Added final folder inside 000-Admin/PlanReviews
- Added submission and comments folder inside 000-Admin/PlanReviews/Final/
- Added RW-Final and RW-Preliminary folders inside 000-Admin/PlanReviews
- Added Submissions and Comments folders inside RW-Final and RW-Preliminary folders
- Added Misc folder in 100-Planning folder
- Deleted pltdrv folder from standards
- Moved standards folder up directory and changed name to 990-WorkSetStandards
- Removed Sheets folder from Standards/Seed/
- Change name of 000000\_Seed2d.dgn to 000000\_DesignSeed2d.dgn and 000000\_Seed3d.dgn to 000000\_DesignSeed3d.dgn.
- Updated 000000\_OHDOT\_Template.cfg to correspond with folder structure changes.

## November 13<sup>th</sup>, 2018

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config\](#)

- Removed the following configuration variable definition:
  - CIVIL\_SURVEY\_FILES\_FOLDER

### OHDOT\_Feature\_Definitions.dgnlib

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\](#)

- Survey Settings
  - Added Data Import Options for the various OHDOT TIW files
  - Removed some of the Data Import Options that are not relative to OHDOT projects
- Fixed:
  - Missing annotation group for the feature GE\_X\_Alignment
- Added the following Element Template:
  - Annotation > Sheets > Plan > North Arrow
- Added the following Annotation:
  - Annotation Definitions > Plan > Drawing > North Arrow
- Added the following Annotation Group for North Arrow placement on plan sheets:
  - Annotation Groups > Drawing > Plan Annotation
- Added the following Levels:
  - RW\_P\_Easement\_Area
  - RW\_P\_Taking\_Area
  - RW\_X\_Easement\_Area
  - RW\_X\_Occupied\_Area
- Added the following Element Templates:
  - Survey > Drainage > Points > AERLCH, Aerial Lidar Check Shot Soft
  - Survey > Drainage > Points > AERLCS, Aerial Lidar Check Shot Hard
  - Survey > Drainage > Points > BO, Bollard

- Survey > Drainage > Points > CSB, Cell Service Booster
- Survey > Drainage > Points > FC, Fire Department Connection
- Survey > Drainage > Points > FOM, Fiber Optic Line Marker
- Survey > Drainage > Points > FOMH, Fiber Optic Manhole
- Survey > Drainage > Points > SCV, Sprinkler Control Valve
- Proposed > Control and Monuments > P\_Chiseled Benchmark Set
- Proposed > Control and Monuments > Control Points > SV\_P\_Chiseled\_Benchmark\_Set
- Proposed > Control and Monuments > Control Points > SV\_P\_Drill Hole Set
- Proposed > Control and Monuments > Control Points > SV\_P\_Gin Spike Set
- Proposed > Control and Monuments > Control Points > SV\_P\_Government Point Set
- Proposed > Control and Monuments > Control Points > SV\_P\_Mag Nail Set
- Proposed > Control and Monuments > Control Points > SV\_P\_P.K. Nail Set
- Proposed > Control and Monuments > Control Points > SV\_P\_Railroad Spike Set
- Proposed > Control and Monuments > Control Points > SV\_P\_Tacked Hub Set
- Proposed > Control and Monuments > Monument Points > SV\_P\_Concrete Monument Set
- Proposed > Control and Monuments > Monument Points > SV\_P\_Iron Pin with ID Cap Set
- Proposed > Control and Monuments > Monument Points > SV\_P\_Iron Pipe Set
- Proposed > Control and Monuments > Monument Points > SV\_P\_Mine Spike Set
- Proposed > Control and Monuments > Monument Points > SV\_P\_Monument Box Set
- Parcel Areas > P\_Easement\_Area
- Parcel Areas > P\_Taking\_Area
- Parcel Areas > X\_Easement\_Area
- Parcel Areas > X\_Occupied\_Area
- Added the following Feature Definitions and Feature Symbologies:
  - Survey > Drainage > Points > AERLCH, Aerial Lidar Check Shot Soft
  - Survey > Drainage > Points > AERLCS, Aerial Lidar Check Shot Hard
  - Survey > Drainage > Points > BO, Bollard
  - Survey > Drainage > Points > CSB, Cell Service Booster
  - Survey > Drainage > Points > FC, Fire Department Connection
  - Survey > Drainage > Points > FOM, Fiber Optic Line Marker
  - Survey > Drainage > Points > FOMH, Fiber Optic Manhole
  - Survey > Drainage > Points > SCV, Sprinkler Control Valve
  - Points > Control and Monuments > Control Points > SV\_P\_Chiseled\_Benchmark\_Set
  - Points > Control and Monuments > Control Points > SV\_P\_Drill Hole Set
  - Points > Control and Monuments > Control Points > SV\_P\_Gin Spike Set
  - Points > Control and Monuments > Control Points > SV\_P\_Government Point Set
  - Points > Control and Monuments > Control Points > SV\_P\_Mag Nail Set
  - Points > Control and Monuments > Control Points > SV\_P\_P.K. Nail Set
  - Points > Control and Monuments > Control Points > SV\_P\_Railroad Spike Set
  - Points > Control and Monuments > Control Points > SV\_P\_Tacked Hub Set
  - Points > Control and Monuments > Monument Points > SV\_P\_Concrete Monument Set
  - Points > Control and Monuments > Monument Points > SV\_P\_Iron Pin with ID Cap Set
  - Points > Control and Monuments > Monument Points > SV\_P\_Iron Pipe Set
  - Points > Control and Monuments > Monument Points > SV\_P\_Mine Spike Set
  - Points > Control and Monuments > Monument Points > SV\_P\_Monument Box Set
  - Linear > Divisions > X\_Building\_Set\_Back\_Line

- Linear > Divisions > X\_Corporation\_Line
- Linear > Divisions > X\_County\_Line
- Linear > Divisions > X\_Lot\_Line
- Linear > Divisions > X\_Property\_Line
- Linear > Divisions > X\_Section/VMS\_Line
- Linear > Divisions > X\_State\_Line
- Linear > Divisions > X\_Township\_Line
- Linear > Parcel Areas > P\_Easement\_Area
- Linear > Parcel Areas > P\_Taking\_Area
- Linear > Parcel Areas > X\_Easement\_Area
- Linear > Parcel Areas > X\_Occupied\_Area

### OHDOT\_SurveyCodes.csv

Path: [\OHDOT\Standards\Survey Files\Field Codes\](#)

- The following field codes were added:
  - AERLCH, Aerial Lidar Check Shot Soft
  - AERLCS, Aerial Lidar Check Shot Hard
  - BO, Bollard
  - CSB, Cell Service Booster
  - FC, Fire Department Connection
  - FOM, Fiber Optic Line Marker
  - FOMH, Fiber Optic Manhole
  - SCV, Sprinkler Control Valve
- The following field codes were removed:
  - CBR, Round Inlet
  - CBS, Square Catch Basin
  - CI, Curb Inlet
  - CMP, Corrugated Metal Pipe
  - CMPA, Corrugated Metal Pipe Arch
  - CPP, Corrugated Plastic Pipe
  - DP, Drive Pipe
  - MI, Median Inlet
  - RCP, Reinforced Concrete Pipe
  - RCPA, Reinforced Concrete Pipe Arch
  - SMP, Smooth Metal Pipe
  - SPP, Smooth Plastic Pipe
  - SSMH, Sanitary Manhole
  - STMH, Storm Manhole
  - VCP, Vitrified Clay Pipe

### OHDOT\_Symbols.cel

Path: [\OHDOT\Standards\Cell\](#)

Added the following cells:

- AERLCH, Aerial Lidar Check Shot Soft
- AERLCS, Aerial Lidar Check Shot Hard
- BO, Bollard

- CSB, Cell Service Booster
- FC, Fire Department Connection
- FOM, Fiber Optic Line Marker
- FOMH, Fiber Optic Manhole
- SCV, Sprinkler Control Valve

### Sheet DGNLibs

Path: [\OHDOT\Standards\Dgnlib\Feature Definitions\Sheet Seeds\](#)

- All of the plan view related sheet DGNLIB definitions listed below were recreated to add the sheet annotation group. This will include placement of a north arrow on the plan view. Note that the OpenRoads Designer parameters only allow defining the placement of the north arrow relative to the alignment. Placement of the north arrow in the upper right corner of the sheet border is not possible with the current implementation of the plan view labeling options.
  - OHDOT\_Plan\_20-Scale.dgnlib
  - OHDOT\_Plan\_30-Scale.dgnlib
  - OHDOT\_Plan\_40-Scale.dgnlib
  - OHDOT\_Plan\_50-Scale.dgnlib
  - OHDOT\_Plan\_100-Scale.dgnlib
  - OHDOT\_Plan\_200-Scale.dgnlib
  - OHDOT\_Plan-Plan\_20-Scale.dgnlib
  - OHDOT\_Plan-Plan\_30-Scale.dgnlib
  - OHDOT\_Plan-Plan\_40-Scale.dgnlib
  - OHDOT\_Plan-Plan\_50-Scale.dgn
  - OHDOT\_Plan-Plan\_100-Scale.dgnlib
  - OHDOT\_Plan-Plan\_200-Scale.dgnlib
  - OHDOT\_Plan-Pro\_20-Scale.dgnlib
  - OHDOT\_Plan-Pro\_50-Scale.dgnlib
  - OHDOT\_Plan-Pro-Sum\_20-Scale.dgnlib
  - OHDOT\_Plan-Pro-Sum\_50-Scale.dgnlib
  - OHDOT\_RW-Boundary\_20-Scale.dgnlib
  - OHDOT\_RW-Boundary\_50-Scale.dgnlib
  - OHDOT\_RW-Detail\_20-Scale.dgnlib
  - OHDOT\_RW-Detail\_50-Scale.dgnlib
  - OHDOT\_RW-Railroad-Plat\_20-Scale.dgnlib
  - OHDOT\_RW-Railroad-Plat\_50-Scale.dgnlib
  - OHDOT\_RW-Topo\_20-Scale.dgnlib
  - OHDOT\_RW-Topo\_50-Scale.dgnlib

### OhioDOTStandards\_Client\_Updater\_v1003.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Client\\_Updater\\_v1003.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Client_Updater_v1003.exe)

- Updated application to update installs of OhioDOTCADDStandardsInstaller\_Client.msi to version 1.0.0.3
- See video, <https://youtu.be/kFMEX0ILV-o>

### OhioDOTStandards\_Local\_Updater\_v1003.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Local\\_Updater\\_v1003.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Local_Updater_v1003.exe)

- Updated application to update installs of OhioDOTCADDStandardsInstaller\_Local.msi to version 1.0.0.3

- See video, <https://youtu.be/kFMEX0ILV-o>

### ConfigurationFixer.pdf:

Path: \OHDOT\Standards\Application\Docs\

- Update document to correspond with the ConfigurationFixer.exe v1.0.0.3 application.

### OhioDOTCADDStandardsInstaller\_Client.msi v1.0.0.3:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller\\_Client.msi](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller_Client.msi)

- Updated installer to include ConfigurationFixer.exe version 1.0.0.3.

### OhioDOTCADDStandardsInstaller\_Local.msi v1.0.0.3:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller\\_Local.msi](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDStandardsInstaller_Local.msi)

- Updated installer to include ConfigurationFixer.exe version 1.0.0.3.

### Installing the OHDOT CONNECT Standards.pdf:

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/Installing%20the%20OHDOT%20CONNECT%20Standards.pdf>

- Updated the Updates section of the document.

### DesignFilesList.csv

Path: \OHDOT\Applications\Addons\

### OHDOT\_SurveyCodes.fxl

Path: \OHDOT\Survey Files\Field Codes\

### Addons Folder

Path: \OHDOT\Applications\

### Rescinded Files:

#### OHDOT\_SurveyCodesWithAttributes.xlsx

Path: \OHDOT\Standards\Survey Files\Field Codes\

#### OHDOT\_SurveyCodes\_2-14-17.fxl

Path: \OHDOT\Standards\Survey Files\Field Codes\

#### GENSUM\_VBA\_AASHTOWareV1.xls

Path: \OHDOT\Standards\OHDOT Utilities\GenSum\

#### GENSUM\_VBA\_AASHTOWareV2.xlsm

Path: \OHDOT\Standards\OHDOT Utilities\GenSum\

#### GENSUM\_VBA\_AASHTOWareV3.xlsm

Path: \OHDOT\Standards\OHDOT Utilities\GenSum\

#### seed.dty

Path: \OHDOT\Standards\Seed\

#### Sheet Borders Folder

Path: \OHDOT\Standards\

## November 7<sup>th</sup>, 2018

### OhioDOTStandards\_Client\_Updater\_v1002.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Client\\_Updater\\_v1002.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Client_Updater_v1002.exe)

- Updated application to update installs of OhioDOTCADDStandardsInstaller\_Client.msi to version 1.0.0.2
- See video, <https://youtu.be/kFMEX0ILV-o>

## OHDOT\_CONNECT CADD Standards Revision History

### OHDOTStandards\_Local\_Updater\_v1002.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTStandards\\_Local\\_Updater\\_v1002.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTStandards_Local_Updater_v1002.exe)

- Updated application to update installs of OhioDOTCADDStandardsInstaller\_Local.msi to version 1.0.0.2
- See video, <https://youtu.be/kFMEX0ILV-o>

### ConfigurationFixer.pdf:

Path: [\OHDOT\Standards\Application\Docs\](#)

- Update document to correspond with the ConfigurationFixer.exe v1.0.0.2 application.

### OHDOTCADDStandardsInstaller\_Client.msi v1.0.0.2:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTCADDStandardsInstaller\\_Client.msi](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTCADDStandardsInstaller_Client.msi)

- Updated installer to include ConfigurationFixer.exe version 1.0.0.2.

### OHDOTCADDStandardsInstaller\_Local.msi v1.0.0.2:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTCADDStandardsInstaller\\_Local.msi](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTCADDStandardsInstaller_Local.msi)

- Updated installer to include ConfigurationFixer.exe version 1.0.0.2.

### Installing the OHDOT CONNECT Standards.pdf:

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/Installing%20the%20OHDOT%20CONNECT%20Standards.pdf>

- Updated the Updates section of the document.

## October 29<sup>th</sup>, 2018

### OHDOT\_WorkSpace.cfg:

Path: [\OHDOT\Standards\Config\](#)

- Added lines to run any config files found in the a Loca\config\ folder
- Added the following variable to set the template dgnws file  
`_USTN_WORKSETDGNWSTEMPLATE =`  
`$( _USTN_WORKSPACESTANDARDS)WorkSetTemplates/000000_OHDOT_Template.dgnws`

### Project\_Indexer.exe, v1.0.1.11:

Path: [\ODOTcadd\Standards\ODOT\ProjectTools\](#)

- Updated application to include any found pdf no matter the directory into the EngData tab.

### Project\_Indexer.pdf, v1.0.1.11:

Path: [\ODOTcadd\Standards\vba\docs\](#)

- Updated documentation to correspond with updates to the application.

## October 18<sup>th</sup>, 2018

### OHDOT\_Sheets.cel:

Path: [\OHDOT\Standards\Cell\](#)

- Updated all sheet cells to move the CRS tag to its own tagset named OHDOT\_SHEETS\_CRS. This was due to the way Title block integration works in ProjectWise.

### Project\_Indexer.exe, v1.0.1.10:

Path: [\OHDOT\Standards\Applications\](#)

- Updated application so the place info button moved appropriately when the dialog is resized.

### **Project\_Indexer.pdf, v1.0.1.10:**

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation to correspond with updates to the application.

### **000000\_OHDOT\_Template:**

Path: [\OHDOT\Standards\WorkSetTemplates\000000\\_OHDOT\\_Template\](#)

- Renamed ..\300-Survey\SurvData\ to ..\300-Survey\SurveyData\
- Removed ..\300-Survey\SurvData\Images\Orthophoto\
- Removed ..\300-Survey\SurvData\Images\ObliquePhotos7-27-2016\
- Added ..\300-Survey\SurveyData\Images\Field\
- Added ..\300-Survey\SurveyData\Images\Aerial\
- Removed ..\300-Survey\SurvData\FieldData\Tin\
- Moved ..\300-Survey\SurveyData\RawData to ..\300-Survey\SurveyData\FieldData\RawData\
- Renamed ..\300-Survey\SurvData\ExistingPlans\ to ..\300-Survey\SurveyData\ExistingInformation\
- Added ..\300-Survey\SurveyData\ExistingInformation\Deeds\
- Added ..\300-Survey\SurveyData\ExistingInformation\SurveyPlats\
- Added ..\300-Survey\SurveyData\ExistingInformation\TaxMaps\
- Added ..\300-Survey\SurveyData\ExistingInformation\PWPlans\
- Added ..\300-Survey\SurveyData\ExistingInformation\
- Removed ..\300-Survey\SurvData\RawData\TSC3\
- Removed ..\300-Survey\SurvData\RawData\TSC3-1\
- Removed ..\300-Survey\SurvData\RawData\TSC3\SOIL Boring\
- Removed ..\300-Survey\SurvData\OldFiles\
- Removed ..\300-Survey\SurvData\PropertyRecords\
- Removed ..\300-Survey\SurvData\RawData\TSC3\
- Added ..\300-Survey\SurveyData\DOC\Notes and Sketches\
- Added ..\300-Survey\SurveyData\DOC\OUPSInfo\

### **ConfigurationFixer.pdf:**

Path: [\OHDOT\Standards\Application\Docs\](#)

- Update document to correspond with the ConfigurationFixer.exe v1.0.0.1 application.

### **StandardsSyncTool.pdf:**

Path: [\OHDOT\Standards\Application\Docs\](#)

- Update document to correspond with the OhioDOTCADDStandardsSyncTool\_Local.exe and OhioDOTCADDStandardsSyncTool\_Server.exe v1.0.0.1 applications.

### **OhioDOTStandards\_Client\_Updater\_v1001.exe:**

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDsync/OHDOT/OhioDOTStandards\\_Client\\_Updater\\_v1001.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDsync/OHDOT/OhioDOTStandards_Client_Updater_v1001.exe)

- New application to update installs of OhioDOTCADDStandardsInstaller\_Client.msi to version 1.0.0.1
- See video, <https://youtu.be/kFMEX0ILV-o>

### **OhioDOTStandards\_Server\_Updater\_v1001.exe:**

## OHDOT\_CONNECT CADD Standards Revision History

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Server\\_Updater\\_v1001.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Server_Updater_v1001.exe)

- New application to update installs of OhioDOTCADDStandardsInstaller\_Server.msi to version 1.0.0.1
- See video, <https://youtu.be/kFMEX0ILV-o>

### OhioDOTStandards\_Local\_Updater\_v1001.exe:

Path: [ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards\\_Local\\_Updater\\_v1001.exe](ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTStandards_Local_Updater_v1001.exe)

- New application to update installs of OhioDOTCADDStandardsInstaller\_Local.msi to version 1.0.0.1
- See video, <https://youtu.be/kFMEX0ILV-o>

## October 16<sup>th</sup>, 2018

### Project\_Indexer.exe, v1.0.1.9:

Path: [\OHDOT\Standards\Applications\](#)

- Updated code that was causing the program to crash if a sid.xml file was found.

### Project\_Indexer.pdf, v1.0.1.9:

Path: [\OHDOT\Standards\Applications\Docs\](#)

- Updated documentation to correspond with updates to the application.

## October 5<sup>th</sup>, 2018

### Project\_Indexer.exe, v1.0.1.8:

Path: [\OHDOT\Standards\Applications\](#)

- Added checkbox to define if the Sheet name property from the sheet model properties should be used for the files description.
- Added control to ensure that the project index excel file is Named correctly.

### Project\_Indexer.pdf, v1.0.1.8:

Path: [\OHDOT\Standards\Applications\Docs](#)

- Updated documentation to correspond with updates to the application.

## September 27<sup>th</sup>, 2018

### OHDOT\_Sheets.cel

Path: [\OHDOT\Standards\cells\](#)

- Created tag set named OHDOT\_SHEETS\_CRS and moved CRS tag from OHDOT\_SHEETS tagset to OHDOT\_SHEETS\_CRS tagset.
- Updated text Element Reviewer: in all sheet cells to be view dependent.

## September 20<sup>th</sup>, 2018



### OHDOT\_Startup.mvba

Path: [\OHDOT\Standards\vba](#)

- Added on close event to ask the user if they want to update Projectwise title block attributes with the values in the current design file. Note the user only gets this message if the active design file is from projectwise and the active design file contains the OHDOT\_SHEETS tagset.

### OHDOT\_WorkSpace.cfg

Path: [\OHDOT\Standards\Config](#)

- Defined the following variables

`_USTN_WORKSETDGNWSTEMPLATE =`

`$( _USTN_WORKSPACESTANDARDS)WorkSetTemplates/000000_OHDOT_Template.dgnws`

### 000000\_OHDOT\_Template.dgnws

Path: [\OHDOT\Standards\WorkSetTemplates](#)

- Updated file to have default folders in the sheet index.

## September 5<sup>th</sup>, 2018

Start of Running Updates.

### MstnFontConfig.xml

Path: [\OHDOT\Standards\Fonts](#)

- Updated variable that controls glyph spacing.

