

September 24th, 2021

OHDOT_PavtMarking.mvba

Path: \OHDOT\Standards\Vba\

- Updated to account for scenarios where the start or the end point for the pavement markings are outside the limits of the Side 2 element.

September 23rd, 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 Drainage&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 23rd, 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_CROSSSECTION_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 18th, 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 13th, 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 symbolgy/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 superelevatoin 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 1st, 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.
 - esmtmppr_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
 - esmtscepr / esmtscepr_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 7th, 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_Uilities.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 18th, 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 2nd 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/o/ohdot--wikis/53763/alignment-annotation-options

OHDOTXRef.dll, v1.0.0.3-v1.0.0.4

Path: \OHDOT\Standards\Applications\Addins\

OHDOT_CONNECT CADD Standards Revision History

- 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 9th, 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\](#)

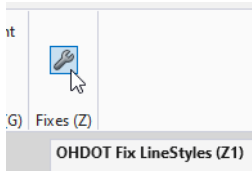
- Removed 19 linestyles that were copied into the file (linestyles are configured to be within the OHDOT_Feature_Definitions.dgnlib).

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 8th, 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 2nd, 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.
- 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 8TH 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.xml
 - OHDOT_Points_NameStaOffNEZCode_ASCII.xml

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 Symbologies:**
 - 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(_OPENROADSDESIGNER)
    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_ExisitingStormSewer.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\

- 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

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/o/hiidot---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_PIn_Begin_Project_SLM
 - _Lbl_PIn_Begin_Project_SLM_Fed_Flag

- `_Lbl_PIn_End_Project_SLM`
- `_Lbl_PIn_End_Project_SLM_Fed_Flag`
- `_Lbl_PIn_Resume_Project_SLM`
- `_Lbl_PIn_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 2nd, 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> FLIN to use the cell “FLIN”.
- 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 autoloaded 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

- 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

- 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

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/ohiodot---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
- 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 3rd 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
 - 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

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

Reports

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

- Added OHDOT_Roundabout_Geometry_PI_Table.xml. 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

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

- 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

- 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

- 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

- 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

- 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\](#)

OHDOT_CONNECT CADD Standards Revision History

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

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
 - 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_Symbols1.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 where 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 16th, 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 11th, 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 9th, 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 2nd, 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)

OHDOT_CONNECT CADD Standards Revision History

- 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 26th, 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 25th, 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 21st, 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

OHDOT_CONNECT CADD Standards Revision History

- 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 15th, 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 3rd-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=PLdyShNRgZlb53cFlDeGkZHys4EOjw7F>

- 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/CADDsSync/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

- 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

- 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

- Updates Notification system to version 1.0.0.4
- 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 21th, 2019

OHDOT_Feature_Definitions.dgnlib

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

- The October 17th 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\](#)

OHDOT_CONNECT CADD Standards Revision History

- Updated the following configuration variable:
MS_DGNLIBLIST_LINESTYLES > \$(_USTN_WORKSPACESTANDARDS)Dgnlib/Feature
Definitions/OHDOT_Feature_Definitions.dgnlibLine-Styles/OHDOT_LineStyles.dgnlib

October 18th, 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 17th, 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: http://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

- 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

- Fixed installer to place OHDOT workspace config file in correct location.
- 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_PW_v1003.exe, v1.0.0.3

Path: 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

- 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

- 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

- 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

- 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 9th, 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 3rd, 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 18th, 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 17th, 2019

CTY-PID-GENSUM.xlsm, v2019.06.10

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

- Updated DGNClip sheet to text wrap heading row.

June 13th, 2019

OhioDOTCONNECTCADDStandardsInstaller_Server_v1006.exe, v1.0.0.7

Path: 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

- 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

- 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

- 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

- 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

- 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

- 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_PW_v1000.exe, v1.0.0.0

Path: ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCONNECTCADDStandardsInstaller_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.

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 1.0.0.1

OHDOTStandardsSyncTool.pdf

Path: <ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OhioDOTCADDNotifications.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 24th, 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\Cell\](#)

- 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\Cell\](#)

- 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

OHDOT_CONNECT CADD Standards Revision History

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 1st, 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 Symbolgies:
 - Feature Symbolgies > Linear > Survey > Default Visualization > Default_Chain
 - Feature Symbolgies > Linear > Survey > Default Visualization > Default_Curve
 - Feature Symbolgies > 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 Symbolgies for Survey default visualization:

OHDOT_CONNECT CADD Standards Revision History

- Feature Symbolgies > Linear > Survey > Default Visualization > Default_Line
- Feature Symbolgies > 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

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 16th, 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 15th, 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 12th, 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-yjlieA>

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_3
▪ OHDOT_SHEETS_1	▪ OHDOT_SHEETS_3N
▪ OHDOT_SHEETS_1N	▪ OHDOT_SHEETS_3NS
▪ OHDOT_SHEETS_1NS	▪ OHDOT_SHEETS_3S
▪ OHDOT_SHEETS_1S	▪ OHDOT_SHEETS_3NS_BRIDGE1
▪ OHDOT_SHEETS_2	▪ OHDOT_SHEETS_3NS_BRIDGE2
▪ OHDOT_SHEETS_2N	▪ OHDOT_SHEETS_3S_BRIDGE1
▪ OHDOT_SHEETS_2NS	▪ OHDOT_SHEETS_3S_BRIDGE2
▪ OHDOT_SHEETS_2S	▪ 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
- Sheet Title
- Sub-Title
- Sub-Title 2
- Sheet Number
- Sheet Total
- Subset Number
- Subset Total
- Designer
- Checker
- Reviewer
- Review Date
- SFN1
- SFN2
- Scale2
- Scale3
- Scale4
- CRS

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) PAPERSIZE: \$ (MS_PLTSHEETSIZE) DATE:
\$ (MS_PLTDATE) TIME: \$ (MS_PLTTIME) USER: \$ (USERNAME)"

April 3rd, 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 Symbologies

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 Symbologies 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 12th, 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 11th, 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 5th, 2019

OHDOT_Feature_Definitions.dgnlib

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

- Fixed certain feature definitions that lost their symbology

March 4th, 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 5th, 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:

- 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 6th, 2018**OH DOT _BarInfo.mvba, v2018.11.19**Path: [\OH DOT \Standards\Vba\](#)

- Removed references to the mouse wheel scrolling event, which causes a software crash

OH DOT _Bridge.celPath: [\OH DOT \Standards\Cell\](#)

- Set the IsAnnotation parameter to False for the text in several cells
- Fixed the fractions not displaying properly in several cells

OH DOT _Feature_Definitions.dgnlibPath: [\OH DOT \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

OH DOT _Files.mvba, v2018.12.05Path: [\OH DOT \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.

OH DOT _GUI.dgnlibPath: [\OH DOT \Standards\Dgnlib\GUI\](#)

- Added an icon for the OH DOT _BrBar.mvba application

OH DOT _Labels.celPath: [\OH DOT \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

- 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

- 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

- 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

- 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

- 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_v1003.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 5th, 2018

OhioDOTCADDStandardsInstaller_Client.msi v1.0.0.4:

Path: 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

- 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

- 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_v1003.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\

OHDOT_CONNECT CADD Standards Revision History

- Update document to correspond with the ConfigurationFixer.exe v1.0.0.3 application.

November 30th, 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

- 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

- 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

- 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

- Updated application to update installs of OhioDOTCADDStandardsInstaller_Local.msi to version 1.0.0.4
- See video, <https://youtu.be/kFMEX0ILV-o>

November 28th, 2018

OHDOT_Styles_Printing.dgnlib

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

- Updated all print styles to point to the correct pen table files.

November 26th, 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/

OHDOT_CONNECT CADD Standards Revision History

- 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 26th, 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 13th, 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 Symbolologies:
 - 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

OHDOTStandards_Client_Updater_v1003.exe:

Path: ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTStandards_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>

OHDOTStandards_Local_Updater_v1003.exe:

Path: ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTStandards_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.

OHDOTCADDStandardsInstaller_Client.msi v1.0.0.3:

Path: ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTCADDStandardsInstaller_Client.msi

- Updated installer to include ConfigurationFixer.exe version 1.0.0.3.

OHDOTCADDStandardsInstaller_Local.msi v1.0.0.3:

Path: ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTCADDStandardsInstaller_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 7th, 2018

OHDOTStandards_Client_Updater_v1002.exe:

Path: ftp://ftp.dot.state.oh.us/pub/CADD/CADDSync/OHDOT/OHDOTStandards_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>

OHDOTStandards_Local_Updater_v1002.exe:

Path: 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

- 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

- 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 29th, 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 18th, 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

- 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:

Path: 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

- New application to update installs of OhioDOTCADDStandardsInstaller_Local.msi to version 1.0.0.1
- See video, <https://youtu.be/kFMEX0ILV-o>

October 16th, 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 5th, 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 27th, 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 20th, 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 5th, 2018

Start of Running Updates.

MstnFontConfig.xml

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

- Updated variable that controls glyph spacing.

