

ODOT Standards

| Item | Purpose | How to Access or Use | What is Automatic? |
|--------------------------------|---|---|---|
| New DGN file (PW) | Template for new CAD work with all ODOT design file settings for units and readouts; includes 10 levels that may be edited by users. | PWE: Document>New Document , templates with descriptions in CAD_Resources\Seed | manual |
| New DGN file (Windows) | Template for new CAD work with all ODOT design file settings for units and readouts; includes 10 levels that may be edited by users. | File Explorer - Open MSCE, ORD or OSD; File>New and Browse... | Location of folder containing seed files |
| New model | Model template for new CAD work with all ODOT design file settings for units and readouts. Sheet models for disciplines have size, borders and title blocks. | Models, New Model , Design or Sheet From Seed, [...] (Change Seed Model), [Open] - choose a model | Location of file containing model seeds |
| Text Styles and Text Favorites | Place ODOT standard text in development of contract plans. Civil Annotation. | Place Text Command, Text Editor ODOT Ribbon Workflows commands will use ODOT text styles for text placement | ODOT Text Styles loaded at launch |
| Cell Libraries | Discipline-specific containers of drawings and/or text legends that can be placed as a pre-defined group. | Primary group> More>Cells Place Cell Command Cell Library dialog - File> select discipline library from list | Every cell accessible by name - loaded at launch Location of folder containing discipline cell libraries |
| Line Styles | Physical and cosmetic custom line styles for use in development of contract plans. | Home>Attributes ODOT Ribbon Workflows commands will use ODOT custom line styles | ODOT custom Line Styles loaded at launch |
| Levels | 1005 named levels. Most have status: Existing (E_) or Proposed (P_). Some for modeling - Design (D_), Sheet Layout (S_) or Administrative (#_). Major group identifiers exist for most disciplines. New levels are created only when there is a need to display an element differently from other elements that share the same level. | Home>Attributes ODOT Ribbon Workflows commands will use ODOT named levels | ODOT level names loaded at launch from DGNLIB |

| Item | Purpose | How to Access or Use | What is Automatic? |
|---------------------------|---|---|--|
| Level Manager | Not used at ODOT much because: Level is just another attribute; Level editing is restricted to Level Symbology Overrides only; Elements share levels, but not all use ByLevel symbology; ODOT discipline ribbon buttons execute commands and select Element Templates (which include Level) | Home>Primary | Use of the Level Manager is very manual – recommended that you use the ODOT ribbon workflows. |
| Element Templates | Defines all element properties: Level, Color, Line Style, Weight, Text Style, Cell, Material,... | Home>Attributes Not typically used from the Attributes group. Most commands on the ODOT ribbon workflows set the element template. | Loaded at launch from DGNLIB. When an element template is invoked, it automatically sets almost all other element properties. |
| Drawing/Annotation Scales | Set the annotation scale of your model. The scale that is applied only to annotation text and annotation cells. | Drawing Scale tool bar (open and docked) | List of 27 scales commonly used by ODOT. |
| Reference (Cache) Files | Primary usage is to copy standard elements into new files for development of contract plans. Used similarly to cells in cell libraries to place previously drawn graphics; also used to match symbology. | Reference Attachment dialog; Directory History button | Shortcut to location of standard folder containing cache files - ODOT_Standards\ref |
| Drawing Boundaries | Provides pick list of standard sized fences that are used to create drawings, especially for the development of contract plans. | Picklist when using Place Named Boundary command | Selection of named drawing boundaries loaded at launch. Annotation Scale of drawing-type model automatically set to Detail Scale. |
| Print Styles | Combines print properties and settings to quickly produce a print or print definition for contract plans. | Print or Print Organizer dialogs; Apply Print Style picklist | Selection of print styles loaded at launch. Print style automatically sets the printer driver, paper size, scale, and attaches a pen table. |
| ODOT workflows | For discipline-specific placement of elements in DGNs for the development of contract plans. | Ribbon Workflows List - ODOT | Placement of discipline-specific cells and line styles from a menu |

| Item | Purpose | How to Access or Use | What is Automatic? |
|-------------------------------|--|--|--|
| Feature Definitions | Like element templates for civil elements. Sets type of civil element, what symbology and annotation to use. | ORD and OSD only - Select from list in Feature Definition Toggle Bar or use Explorer>OpenRoads Standards | Folder structure of categories loaded at launch |
| Annotation/Annotation Groups | Uses text styles and text favorites. Places annotation of civil features according to ODOT standards in development of contract plans. | ORD and OSD only - Annotate Element / Annotate Model | Feature definitions assigned to annotation. Drawing boundaries assigned to annotation groups. |
| Survey Settings | Sets Text Import/Export Wizard definitions and locations; Macro processing; Units; File types and Formats. | Create New Field Book | Copied into active file from DGNLIB with creation of new field book. |
| Geographic Coordinate Systems | Assigns a coordinate reference system to a model. Used in reprojection and referencing, interaction with other GCS-aware applications. | From Library in ODOT Favorites | List of Oregon Coordinate Reference Systems in the ODOT Favorites folder loaded at launch. |
| My Cells | Personal containers of drawings and/or text legends that can be placed as a pre-defined group. | Cell Library dialog - File>Attach... Or what's easier is: Cell Library dialog - File> select from list | Personal cell libraries make cells accessible by name, and loaded at launch if cell library is copied into C:\ODOT\CONNECT_Projects\MyCell |
| My References | Personal containers of drawings. Primary usage is to copy previously drawn elements into new files. Also used to match symbology. | Reference Attachment dialog; navigate and choose Reference Attachment dialog; Directory History button | Shortcut to location of personal folder containing cache files - C:\ODOT\CONNECT_Projects\MyRef |