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Documentation:

The **ODOT_Linestyles.rsc** is the standard ODOT line style resource file for use in plan work.

Line styles are used to differentiate curvilinear elements in the design file and on the plotted sheet. There are eight default line styles available in MicroStation using the values zero (0) through seven (7). Additionally, ODOT has developed a set of Custom Line Styles to be used for drawing various plan view graphic items requiring custom symbology.

It is important to use the line style resource file for file compatibility when exchanging or submitting electronic files in order for the lines to display and plot properly.

The MicroStation configuration variable **MS_SYMBRSC** is used to specify the custom line style resource file. If the variable is not set correctly, the line styles will display as a solid line.

Notes:

- Users shall Not create their own custom line styles for use on ODOT plan sheets.
- The **Model Properties Line Style Scale** feature can be used to control the display size of line styles in the active design file and in any Reference attachments. This will allow the designer to control the display size of the line styles for any intended plotting scale. See the *CADD Engineering Manual Section 204 Line Styles*.
- ODOT CADD Standards contain two types of custom line style definitions that utilize the **Model Properties Line Style Scale** feature:
 - **“Cosmetic” line styles** – are used to represent the location of an item, but not the actual size or spacing of the item. These line styles are typically placed at a scale of 1 and then scaled using the Global Line Style Scale or Annotation Scale factors in the design file for the intended plotting scale of the final plans.
 - **“Physical” line styles** – are used to represent the location of an item, and the linear spacing of the components of the item. These line styles are intended to be placed at a scale of 1 regardless of the plotting scale and are designated as such that the Global Line Style Scale and Annotation Scale factors when applied are ignored.
- Standard line codes and custom line styles for plan graphics are specified in the CADD Information Table, Appendix A and displayed in Appendix D.
- Any text placed within the line styles were dropped converting them to the individual elements that were used to draw the characters, i.e., lines, line strings, arcs, ellipses, and shapes.

Contact Information:

If you have any questions, suggestions, or problems please contact the ODOT Office of **CADD and Mapping Services** CADD Support team or use the following form on the ODOT web site at:

<http://www.dot.state.oh.us/Divisions/Engineering/CADDMapping/CADD/Pages/suggestions.aspx>