

LaDOTD CADD Standards

CADconform for LaDOTD Basics – February 5, 2008

CADconform Overview

CADconform is used to ensure that LaDOTD designers and consultant partners produce plans that conform to LaDOTD CAD standards. Drawings fall into two basic categories:

- Drawings that are manually drafted using MicroStation or AutoCAD. CAD conform provides a “Draft” tool used to select features that comprise drawing contents, as well as a “Conform” tool used to interactively check drawings for standards conformance.
- Drawings that are produced using automated processes, such as survey graphics and road design drawings produced by Inroads.

Regardless of how drawings are produced, LaDOTD provides CADconform feature tables that are used to ensure conformance to standards and ultimate drawing certification. Evidence of drawing standards conformance is provided by the “LADOTD CAD Standard” stamp affixed outside the left borderline of drawings during the certification process. This stamp is tested for authenticity by DOTD. Drawings must be translated to MicroStation format before certification. This translation is performed using an installed copy of MicroStation software and mapping tables delivered in the MicroStation “LaDOTD_CADD_Standards” workspace folder.

LaDOTD delivers CADconform feature tables for the various DOTD disciplines, which are included in the respective “resources” downloaded for MicroStation and AutoCAD. Standard drawing files are “branded” to ensure that standard feature tables are used.

Additional information regarding CADconform and LADOTD standards can be accessed from the CADconform menu.

CADconform Setup Basics

After loading and licensing the software, please note the following procedures:

- The default CADconform configuration files, which control how the software checks drawings, should not be altered. LaDOTD delivers project configuration files (PCF) for MicroStation and profiles for AutoCAD, which include customized CADconform settings. If default CADconform settings are modified for any reason without using such methods, unintended results could occur.
- Two LaDOTD seed users, “dotd admin” and “dotd user” are provided in User Manager. The passwords are “admin” and “user” respectively. First, open these profiles and change the passwords so that the defaults can be preserved. Use the “New” command to create new user and administrator profiles for your site. First highlight the dotd user and dotd admin profiles so that the default settings will be copied for the new profiles. Multiple user and admin profiles are not normally needed unless there is a reason to vary permissions. The delivered settings are preconfigured to be appropriate for LaDOTD projects and should not be changed without careful consideration. Some examples of permissible changes are as follows: 1. Allow trusted users to brand drawings. 2. Allow Draft to load on startup. 3. Lock feature tables.