

To: All MoT Regional Directors
All MoT District Managers, Transportation
All MoT Regional Managers, Engineering
MoT Managers Highway Design

Subject:

New Computer Aided Drafting Standards

Purpose:

This Technical Circular establishes the effective date for utilizing new Computer Aided Drafting (CAD) standards for work on BC MoT projects.

Background:

Section 1230 in the *BC Supplement to TAC Geometric Design Guide* contains the AutoCAD layer naming convention that was originally developed by the Ministry for highway survey and geometric design work. Inefficiencies have been identified with regard to: too few layers, too many object types per layer, desire for a finer level of layer control, and non-conformance to the current layer naming convention.

The new drafting standards will incorporate:

- updated and expanded layer names based on National CAD Standard v4.0
- ByLayer colours
- ByLayer linetypes
- ByLayer screen lineweights
- standard 'Arial' font (replaces the 'RomanS' and custom 'Highways' fonts)
- ByLayer named plot styles

Policy:

Effective April 1, 2010, all new projects must use the new CAD standards for highway survey and geometric design work. Any projects started prior to this date may complete the work using the old standards.

Procedure:

The CAiCE and AutoCAD files associated with the new standards will be installed on BC MoT computers via an automated update.

Consultants are responsible for updating their computers by downloading the new standards from the following web sites:

<http://www.th.gov.bc.ca/CAiCE/>
<http://www.th.gov.bc.ca/AutoCAD/>

A file containing a comprehensive list of the new layer names will be included in the AutoCAD update. This list of new layer names supersedes the layer naming convention in Section 1230 of the *BC Supplement to TAC Geometric Design Guide*, June 2007 edition.

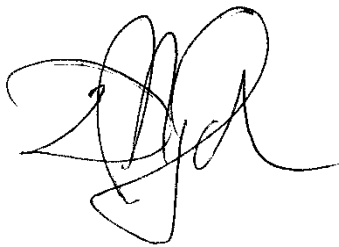
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