

DESIGN BULLETIN #78/2012

Alberta Transportation MicroStation CAD Standards and InRoads Workspace Settings for Highway and Bridge Projects

BACKGROUND

This Bulletin provides MicroStation CAD standards and InRoads workspace settings for Alberta Transportation Highway and Bridge projects.

This Design Bulletin serves the needs of CAD users and designers.

OBJECTIVES

These MicroStation CAD standards and InRoads workspace settings have been developed with the following objectives:

- Enhance the level of graphic consistency.
- Provide consistent and uniform symbols and abbreviations in the Design Package and Contract Documents to minimize confusion in the interpretation of the Design Drawings and Contract Documents.
- Maintain an acceptable level of quality and clarity in the design and contract drawings and record drawings.
- Supply information to the Design Consultants and Design-Builders relating to the design and drafting methods.

CLARIFICATIONS

This Design Bulletin and attached files are not intended to serve as a design textbook, nor as a substitute for professional experience. Furthermore, this Design Bulletin and attached files do not address procedural issues or organizational responsibilities. The primary intent is to address graphic issues and establish drafting standards and help the designer to set up InRoads for design, contract, machine control for construction and as-built drawings. This Design Bulletin will not affect the current aggregate drafting guidelines.

Consultants may use AutoCAD and other design software provided that it complies with the following criteria set forth:

- Can convert from dwg to dgn files.
- The converted dgn files comply with AT's CAD Standards.
- Free of any problems translating from AutoCAD to MicroStation.
- Corrupted files will not be accepted by the Department.

EFFECTIVE DATE

January 22, 2013

CONTACT

Please send feedback to Peter Mah at (780) 427-7129, peter.mah@gov.ab.ca or Bill Kenny at (780) 415-1048, bill.kenny@gov.ab.ca
Technical Standards Branch, Alberta Transportation

Recommended:

Approved:

Bill Kenny
Director,
Design, Project Management and Training

Moh Lali
Executive Director, Technical Standards Branch

Date _____

Date _____

Attachments:

1. AT CAD Workspace Guide for Administrators.pdf
2. AT CAD Workspace Guide for InRoads Users.pdf
3. AT CAD Workspace Guide for MicroStation Users.pdf
4. AT_CAD_INROADS_STANDARDS: <ftp://tsbftp:Srg4Tfh@www.tu.gov.ab.ca/Shared/>