
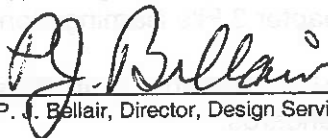


To:		New York State Department of Transportation ENGINEERING BULLETIN	EB 01-051
<i>Expires one year after issue unless replaced sooner</i>			
Title: CADD STANDARDS AND PROCEDURE MANUAL			
Distribution: <input type="checkbox"/> Manufacturers (18) <input checked="" type="checkbox"/> Main Office (30) <input checked="" type="checkbox"/> Local Govt. (31) <input checked="" type="checkbox"/> Regions/Agencies (32)		Approved:  P. J. Bellair, Director, Design Services Bureau Date: <u>10-9-01</u>	
<input checked="" type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Consultants (34) <input checked="" type="checkbox"/> Contractors (39) <input type="checkbox"/> _____ ()			

ADMINISTRATIVE INFORMATION

This Engineering Bulletin (EB) supersedes Engineering Instruction 00-015 CADD File Format and Transfer Requirements. For effective date see "Implementation", below.

PURPOSE

This EB announces the availability of the CADD Standards and Procedure Manual. The CADD Manual has been renamed the CADD Standards and Procedure Manual. Due to the number of changes, the CADD Standards and Procedure Manual represents a reprinting of the entire CADD Manual.

TECHNICAL INFORMATION - CHANGES

Several changes reflected in CADD Standards and Procedure Manual are noted below:

1. New Chapters. The manual contains six new chapters:

Chapter 2 File Format and Transfer Requirements - This chapter incorporates the guidance issued with EI 00-015 CADD File Format and Transfer Requirements.

Chapter 9 File Management - This chapter contains guidance for CADD file management.

Chapter 14 Cells and Cell Libraries - This chapter contains guidance for using cells and cell libraries and outlines standard cell libraries.

Chapter 16 Survey - This chapter contains guidance for using CADD in the survey process.

Chapter 17 Design Guidelines - This chapter contains guidance for using CADD in the design process.

Chapter 20 R.O.W. Mapping - This chapter contains guidance for using CADD in the ROW Mapping process.

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2. Manual Reorganization. As noted below, the manual has been reorganized, several chapters renamed, and several previously anticipated chapters have been consolidated into new chapters or eliminated.

- Chapter 2 CADD File Naming Convention was renamed, updated and moved to Chapter 3 File Naming Convention.
- Chapter 3 CADD Working Units has been incorporated into Chapter 5 Drafting Standards.
- Chapter 4 CADD Level Designations was renamed to Chapter 4 Element Attributes and Features and includes updated guidance.
- Chapter 5 CADD Metric Drafting Standards was renamed to Chapter 5 Drafting Standards and includes updated guidance.
- Chapter 6 & 7 The guidance envisioned to be included in these chapters has been included in the new Chapter 17 Design Guidelines.
- Chapter 8 Project Design of a Highway Project (vacant) is presented in the new Chapter 17 Design Guidelines.
- Chapters 9 Project Design of a Structures Project (vacant) and 10 Project Design of Miscellaneous Projects (Maintenance, Signing, Signals, etc.) were eliminated.
- Chapter 11 Drafting was renamed, updated and moved to Chapter 6 Drafting Guidelines.
- Chapter 12 Production Plotting has been updated and moved to Chapter 7 Production Plotting.
- Chapter 13 Systems Information (vacant) has been moved to Chapter 8 Systems Information (pending).
- Chapter 14 File Management (vacant) is presented in the new Chapter 9 File Management.
- Chapter 15 Global Projects was renamed, updated and moved to Chapter 10 File Sharing and Global Projects.
- Chapter 16 I/RAS B was renamed, updated and moved to Chapter 11 Raster Information.
- Chapter 17 Visualization remains vacant and has been moved to Chapter 12 Visualization (Pending).
- Chapter 18 Structures (Information Required) has been renamed and updated and is presented as Chapter 18 Preliminary Structure Design.

Chapter 19 Geotechnical Engineering (Information Required) has been renamed and updated and is presented as Chapter 19 Geotechnical Engineering.

Chapter 21 Construction (Information Required) was renamed Chapter 21 Construction and is pending.

Chapter 22 Geographical Information Systems (GIS) was moved to Chapter 13 and is pending.

Chapter 23 CADD Cell Libraries is presented as Chapter 14 Cells and Cell Libraries.

Chapter 24 Supporting Applications was moved to Chapter 15 and is pending.

Chapter 25 Support Contacts has been updated, renamed, and presented as Chapter 22 CADD Standardization Process.

3. Table of Contents. The table of contents for the CADD Standards and Procedure Manual is as follows:

Chapter 1	-	Introduction
Chapter 2	-	File Format and Transfer Requirements
Chapter 3	-	File Naming Conventions
Chapter 4	-	Element Attributes and Features
Chapter 5	-	Drafting Standards
Chapter 6	-	Drafting Guidelines
Chapter 7	-	Production Plotting
Chapter 8	-	Systems Information (Pending)
Chapter 9	-	File Management
Chapter 10	-	File Sharing and Global Projects
Chapter 11	-	Raster Information
Chapter 12	-	Visualization (Pending)
Chapter 13	-	Geographical Information Systems (Pending)
Chapter 14	-	Cells and Cell Libraries
Chapter 15	-	Supporting Applications (Pending)
Chapter 16	-	Survey
Chapter 17	-	Design Guidelines
Chapter 18	-	Preliminary Structures Design
Chapter 19	-	Geotechnical Engineering
Chapter 20	-	R.O.W. Mapping
Chapter 21	-	Construction (Pending)
Chapter 22	-	CADD Standardization Process

IMPLEMENTATION

The CADD Standards and Procedure Manual should be implemented upon receipt for all projects in Design Phases I-IV and for all projects in Design Phase V for which the advance detail plans are less than 50% complete.

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DISTRIBUTION

The CADD Standards and Procedure Manual will be distributed separately. Consultants and others who are required to purchase the CADD Standards and Procedure Manual may purchase it by sending a check or money order for \$3.50 payable to the New York State Department of Transportation at the following address:

Plan Sales Unit, Bldg. 5, Rm 109
New York State Department of Transportation
W. Averell Harriman State Office Building Campus
1220 Washington Avenue
Albany, N.Y. 12232

The CADD Standards and Procedure Manual is available, free of charge, in a downloadable Adobe© Acrobat© format on the NYSDOT internet site. It may be found from the NYSDOT Home page (www.dot.state.ny.us) by clicking on "Site Index", "C", and "CADD Information".

Department employees may access the CADD Standards and Procedure Manual from the IntraDOT at <http://intradot/design/dsb/cis/cadman/cmtoc.html>.

CONTACT

Questions regarding the distribution of this manual should be addressed to Susan Andrews of the Design Services Bureau. She may be reached via e-mail or by phone at (518) 457-6685.