Table of Contents

CHAPTER 1 - INTRODUCTION 1-1

1.1 PURPOSE 1-1
1.2 SCOPE 1-1
1.3 GENERAL 1-1
1.4 DISTRIBUTION 1-2
1.5 PROCEDURE FOR REVISIONS AND UPDATES 1-2

Chapter 1 - INTRODUCTION

CADD Production Criteria Handbook

1.1 PURPOSE

The electronic files created during the process of developing a Computer Aided Design and Drafting (CADD) project for Florida Department of Transportation (FDOT) are shared and referenced by many different individuals and disciplines, and therefore must satisfy diverse needs. Electronic files must be in formats that most parties can utilize and share. Therefore, processes, standards and requirements have been established for most disciplines involved in the plans development workflow. This ***CADD Production Criteria Handbook (CPCH)***, a companion to the ***FDOT CADD Manual (Topic Number 625-050-001)***, outlines the minimum standards, as well as file naming conventions and formats necessary to ensure a usable CADD data set for the life span of the project. It also provides the CADD data producer / developer the information necessary to accomplish their task(s).

1.2 SCOPE

This CPCH provides supplemental guidelines to the ***FDOT CADD Manual***. The material presented herein is monitored as a critical requirement to meet FDOT's CADD Quality Assurance Monitoring plans, which are maintained by the respective districts. The CADD Quality Assurance Monitoring plans are available for internal FDOT use on the Engineering / CADD Systems Office (ECSO) intranet website at:

http://infonet.dot.state.fl.us/EngineeringCADDSystemsOffice/Standards/StandardsQAR.htm

1.3 GENERAL

Chapter 334 of the Florida Statues, known as the ***Florida Transportation Code*** (Code), establishes the responsibilities of the State, Counties, and Municipalities for planning and developing transportation systems which serve the people of Florida, while meeting the objective of assuring the development of an integrated, balanced statewide system. The Code's purpose is to protect the safety and general welfare of the people of Florida and preserve and improve Florida's transportation facilities. Code Section 334.044(2) sets forth the powers and duties of the Department of Transportation to develop and adopt uniform minimum standards and criteria for the design, construction, maintenance, and operation of public roads.

The guidelines in this CPCH and the CADD Manual represent the minimum requirements that must be met for FDOT CADD projects. While the guidelines contained herein provide a basis for uniform CADD practices for FDOT projects, precise rules that apply to all possible situations are impossible to provide. Situations will exist where these standards will not apply. If variances from the ***CADD Manual*** or CPCH are required for a project, they must be approved in writing by the FDOT Project Manager and documented in the Project Journal as defined herein in Chapter 5.

The FDOT2010 V8i Release CPCH, effective November 15, 2010, is released as the companion document to the FDOT2010 CADD Software and Standards. Users not yet upgraded to this version should continue to refer to the FDOT2008 version of the CPCH, effective January 27, 2009, however, no further updates will be done to the FDOT2008 version of the CPCH, the latest Maintenance Release of which is the MR4 Update dated July 15, 2010.

1.4 DISTRIBUTION

The FDOT CPCH is available in electronic format on the ECSO Internet Website:

http://www.dot.state.fl.us/ecso/downloads/publications/CriteriaHandBook/CriteriaHB/criteria.shtm

The ***FDOT CADD Manual*** is available on the ECSO Internet Website:

http://www.dot.state.fl.us/ecso/downloads/publications/Manual/default.shtm

1.5 PROCEDURE FOR REVISIONS AND UPDATES

Users of the CPCH are encouraged to send comments and suggestions for changes or improvements to the ECSO. Major changes must be reviewed and approved by the Technical Advisory Committees (TACs) of the appropriate Discipline, before final acceptance and revisions can be implemented. Once revisions are implemented, the document is published on the ECSO website at the internet address listed in Section 1.4.

Users may utilize the form provided below and submit change requests via:

- By Email: ECSO Support: ecso.support@dot.state.fl.us
  CADD Manager, Bruce Dana: bruce.dana@dot.state.fl.us
  CADD Support Coordinator, Jimmie Prow: jimmie.prow@dot.state.fl.us
  CADD Development Coordinator, Ray L'Amoreaux: ray.lamoreaux@dot.state.fl.us
- In Person: Atkins Building, Suite 300
  Executive Center Drive
  Tallahassee, FL 32301
- By FAX: (850) 245-1601 or (850) 245-1602
  Submit FAX request to the primary contact.
- By Mail: 605 Suwannee Street, MS 69
  Tallahassee, FL 32399-0450

Users may also utilize the ECSO On-line Support to submit change requests:

By Electronic Issue Submittal: ECSO Support

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
CADD PRODUCTION CRITERIA HANDBOOK (CPCH)
SUGGESTION AND COMMENTS

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