



TRANSPORTATION CABINET


Frankfort, Kentucky 40622
www.transportation.ky.gov/

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Governor

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PROJECT DEVELOPMENT MEMORANDUM No. 01-10

TO: Chief District Engineers
Design Engineers
Active Consultants

FROM: Steve Waddle, PE 
Acting State Highway Engineer

Deputy State Highway Engineer
For Project Development

DATE: June 28, 2010

SUBJECT: CADD Standards for Highway Plans Version 3.0

The Transportation Cabinet continues to move toward the electronic publication of Highway Plans. Some of the recent developments in this area include the July 2009 adoption of the Kentucky Transportation Cabinet's Electronic Plan Room, the upgrade in highway plan software and the major revisions to the Department's surveying standards. These developments have necessitated the release of the CADD Standards for Highway Plans Version 3.0 (CADD Standards V3). This policy supersedes the CADD Standards for Highway Plans Version 2.0 policy. The primary goal of these standards is to insure the best possible use of project electronic files in the review, publication, construction, and archive processes.

All engineering drawings included in the "contract plan set" are to comply with the CADD Standards V3. It must be stressed that while these CADD Standards are to be applied to the deliverable files for Contract Plans and Proposals, they should not be used to restrict the utility of plans submitted for inspections, public meetings, or interim reviews.

Final Contract Plans are to be plotted on first generation mylar as the legal binding set. Electronic files representing the Contract Plans and Proposal shall be delivered to the Project Manager for submittal to Central Office via ProjectWise. (ProjectWise may be used for internal Cabinet deliveries to the Project Manager). All supplemental files representing engineering data shall be created and submitted in InRoads format in the version most recently recognized by the Department. All CADD files shall be created and submitted in MicroStation (.DGN) format in the version most recently recognized by the Department. For latest software version information refer to the CADD Standards web page listed below.

In addition to hardcopy submittals, the CADD Standards V3 policy requires delivery of PDF files. In order to provide consistency, all PDF files shall be created through plotting (not scanning) according to the parameters outlined in the policy.



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All Final Contract Plans submitted **after August 1, 2010** shall be required to also submit a PDF file that is a true representation of the legal binding mylar plan set.

All Check Prints submitted **after August 1, 2010** shall be submitted in a PDF format. This PDF file shall be delivered to the Project Manager for submittal to Central Office via ProjectWise.

All NEW project starts shall comply with the Graphic Standards portion of the CADD Standards V3 policy. The Project Team shall decide whether to convert current projects with consideration to project schedule.

The CADD Standards V3 policy document, plus other helpful information, is accessible on the CADD Standards web page at:

<http://www.transportation.ky.gov/caddstandards>

Attached is a summary that highlights the major changes to the CADD Standards V3. Any questions regarding this memorandum should be directed to the Technical Support Branch in Highway Design.

SKW:pk

Attachments

Summary of Major Changes to the CADD Standards V3

- Graphical Scale required on all sheets that are drawn to a scale. (See page 2 of the policy.)
- Contract plan sets shall also contain PDF files for each section (RSTUX) of the plan set. (See page 13 of the policy for file naming conventions; See pages 18-20 for parameters for creating PDF Files.)
- Department's Surveying Standards requires the use Kentucky Single Zone on projects in lieu of Kentucky North or South Zone. (See page 14 of the policy.)
- ALG and DTM files shall be in the current version of InRoads. (See page 14 of the policy.)
- DTM shall consist of logical planametric features that adhere to InRoads Feature Styles contained in the Department's InRoads XIN (preference) file. (See page 14 of the policy.)
- Features shall adhere to the survey codes accepted by the Department. (See page 14 of the policy.)