


PROJECT DEVELOPMENT MEMORANDUM No. 01-2019

TO: Chief District Engineers
Design Engineers
Active Consultants

FROM: John Moore, PE
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KYTC Office of Project Development 

DATE: 10/23/19

SUBJECT: CAD Standards for Highway Plans Version 4.X

This Project Development Memorandum announces CAD Standards for Highway Plans Version 4.X (CAD Standards V4) and the conversion to OpenRoads Designer. This policy supersedes the CAD Standards for Highway Plans Version 3.0 policy. The primary goal of these standards is to insure the best possible use of the Electronic Engineering Data (EED) in the review, publication, bidding, construction, maintenance and archive processes.

All EED representing the “contract plan set” are to comply with the CAD Standards V4.X. It must be stressed that while the CAD Standards for Highway Plans are to be applied to the deliverable files for Contract Plans and Proposal, they should not be used to restrict the use of EED for inspections, public meetings or interim reviews.

The “Final Contract Plans” (i.e., legal, binding set) are to remain bookmarked PDF files. Consulting firms doing work for KYTC shall continue to submit a signed and sealed PDF plan set. Along with the PDF contract documents to be delivered for the Letting, EED shall also be submitted for all projects where 3D modeling is required. For a list of project types and associated modeling requirements refer to the CAD Standards V4.X FAQ and Appendix document.

KYTC recognizes the importance of maintaining the civil data contained in the DGN files. With the intent to maintain file intelligence, a “container” file system shall be used for submittal of DGN files. The CAD Standards V4.X policy will provide specifics on file naming, model naming, and the delivery process. This information will be available to you in the form of a FAQ documents with an accompanied Appendix. This FAQ document will be a “Living Document”. Minor updates will be released as needed and announced via a listserv. To join this listserv, please visit the KYTC CADD Standards webpage shown below.

All **NEW** project starts **after November 1, 2019 with a Letting Date after November 1, 2020** shall comply with CAD Standards V4.X FAQ and Appendix, and shall be submitted in OpenRoads Designer or MicroStation CONNECT (DGN) format. The Project Manager shall decide whether to convert current projects with consideration to project schedule.

The CAD Standards V4.X FAQ and Appendix, plus other helpful information, is accessible on the CAD Standards web page at:

<https://transportation.ky.gov/CADD-Standards/Pages/default.aspx>

Any questions/concerns regarding this memorandum shall be directed to the Developmental and Technical Support Branches in the Division of Highway Design @ KYTCCaddSupport@ky.gov