New CADD Technology Preview

CADD Services will be conducting a series of Webinars aimed at previewing Bentley’s next-generation software which is called OpenRoads Designer (ORD). The goal of these webinars is to expose users to significant changes that are coming and getting user thoughts and suggestions on how this technology should be implemented. CADD Services strongly recommend that if you can attend this series as there are various brand new technologies, and ways of doing things, that are entirely different from our current technology and workflows.

Upcoming Webinar Dates and Topics
(via Skype at https://meet.lync.com/nccconnect-ncdot/bleedwards1/L9G0FBF9)

- Feb. 7 1-2:30 p.m.—Features, Feature Symbologies and Annotation Scale
- Feb. 14 1-2:30 p.m.—Topic to be announced
- Feb. 21 1-2:30 p.m.—Topic to be announced
- Feb. 28 1-2:30 p.m.—Topic to be announced

The conference call number is 919.662.4528. This number can only support 150 people. If you can have a headset or speakers please join the audio via SKYPE.

Previous Technology Webinars can be found on the Inside NCDOT CADD site at

https://inside.ncdot.gov/Business/technology/CADD-Services/Pages/default.aspx

- Jan. 24 Webinar 1—Intro to MicroStation Connect /ORD
- Jan. 32 Webinar 2—Element Templates and Project Explorer

This series may be your best opportunity to have input into decisions that will ultimately shape the NCDOT CADD world for the next 5-10 years!
The FHWA Hydraulic Engineering Discipline is pleased to announce the availability of a series of informational videos organized into a YouTube playlist: https://www.youtube.com/playlist?list=PL5_sm9g9d4T26HywM5xa5GhDyTU2HcOw. This series of six videos showcases the use of a portable flume to visualize open-channel flow and culvert design concepts. The specific topics covered in the videos are:

- **Open Channel Flow Concepts**: This video covers basic open channel flow concepts including how flow is classified.
- **Grate Inlets**: This video demonstrates grate inlets commonly used in storm drain catch basins.
- **Culvert Hydraulics**: This video shows how culvert design factors influence flow depths and velocities.
- **Culvert Liners**: This video demonstrates how rehabilitative liners may change culvert hydraulic performance.
- **Aquatic Organism Passage**: This video introduces aquatic organism passage design concepts for culverts.
- **Energy Dissipaters**: This video demonstrates the hydraulic performance of a number of culvert energy dissipaters.
Advanced Search on Inside NCDOT

Many people may still not know about the Advanced Search on Inside. This search spans across the below three repositories:

As-built plans from all centrally let highway projects as far back as DOT records exist (the 1910s)

Pre-Construction content for TIP projects (information in Project Store) Note: CADD files are excluded.

Construction content for projects with Construction sites (accessible only by DOT Construction users)

The Hyper link for the word document referenced above is.


How To CADD

CADD Services provides a collection of “How To” documents, which include:

To access these documents, update your NCDOT_STDS workspace. Then double-click the CADD Tools shortcut on your desktop.

In the resulting browser window, launch “How To Docs”.

CADD Tools
Running Coordinates

With current upgrades of MicroStation V8i SS2 to Power GEOPAK V8i SS4, you might find that your running coordinates at the bottom of the MicroStation window have disappeared. To turn running coordinates back on (or turn them off). Simply right-click in the running coordinates status box and toggle it on or off. If you want to keep the setting don’t forget to perform a File => Save Settings.

CADD PCs

This is a reminder that all requests for CADD hardware must be submitted to CADD Services at (itcaddhardware@ncdot.gov) by using the form located on the team site (see URL below).

https://inside.ncdot.gov/Teams/ITTechSupport/Teamsite%20Docs/Bulk%20Purchase%20Documents/In-Stock%20Hardware%20Request%20Form_122117.docx

CADD Services maintains a stock of CADD hardware and must approve any new or refresh request. We have been getting a lot of requests sent directly to the IT Business Office, which creates a lot of confusion in the process.
### Upcoming CADD Training (as of 06.31.17)

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To sign up for these or any other CADD Services training classes, log into the NC Learning Center [https://mybeacon.its.state.nc.us/irj/portal](https://mybeacon.its.state.nc.us/irj/portal) with your NCID credentials. Select the appropriate class or classes you wish to take.
The Last Word

Blame it on Technology—20 things we don’t do anymore

1. Memorize a phone number
2. Use a phone book to find a company to do work around your house
3. Park your used car on the street with a sign that says it’s for sale
4. Figure out math in your head
5. Telling time by hands on a clock
6. Make photo albums
7. Have a CD or record collection
8. Make mix tapes
9. Call a theater to get movie times
10. Record your favorite programs on tape
11. Watch shows when they are broadcast live
12. Run to the store for a last minute gift
13. Cut things out of the newspaper
14. Looking up the spelling of words in the dictionary
15. Use a phone booth
16. Carry enough change to make a phone call
17. Send a handwritten letter
18. Use a travel agent
19. Get old checks from the bank every month.

From USA Today 05.05.17