Using AutoCAD Civil 3D for Transportation Infrastructure Design

Randy Roberts

CAD Development & Support Specialist

@Randy1219

rcrcad@gmail.com



Class summary

This class will provide an overview of the tools and applications within the FDOT Civil 3D State kit. I will demonstrate how the tools work and how the district employees and consultants use the state kit to meet FDOT standards. I will cover the following sample of FDOT applications: FDOT Takeoff Manager—an application that enables users to create Automated Quantity reports in Microsoft Excel; FDOT Entity Manager—which enables the user to draw graphical entities with pay item data for Quantity Takeoff (QTO) pre-attached, or place the pay item data on entities after they are drawn; FDOT Signs—which enables the user to design sign assemblies and place them into the drawing with pay items attached; and Create File—an application that enables users to create files based on discipline and sync with the proper Templates. The newly created files are then saved to the project folder hierarchy.









Key learning objectives

- Download the Free 2016 & 2017 Civil 3D State Kits that can be downloaded and used for transportation design or general design.
- Special Sub-assemblies that have robust help documentation and can also be used with the Stock Civil 3d Subassemblies.
- Gain Knowledge of the Special tools that can be used to generate Traffic Plans, Roadway Line Work, Apply Pay Item data, Generating Quantity Reports, etc.)
- AutoCAD only installs that just contains the Resources, Blocks, Templates, etc.



Where is the FDOT Civil 3D State Kit

http://www.fdot.gov/cadd/downloads/software/FDOT2017CADDSoftware.shtm

http://www.fdot.gov/cadd/default.shtm

Resources

Documents & Publications Downloads **Scheduled Webinars Posted Webinars Training Manuals** GoToMeeting Meetings & Events Programs & Services Acronyms **CADD Links FAQs FDOT Supported Software FDOT Autodesk Resources** FDOT Bentley Resources **Production Support Office** Office of Design

News

FDOT2017 C3D & AutoCAD State Kit Software

Posted: October 3, 2016

The FDOT2017 C3D & AutoCAD State Kit (version 01.00.00) is now available.

FDOT2016 C3D MR1 & AutoCAD State Kit Software

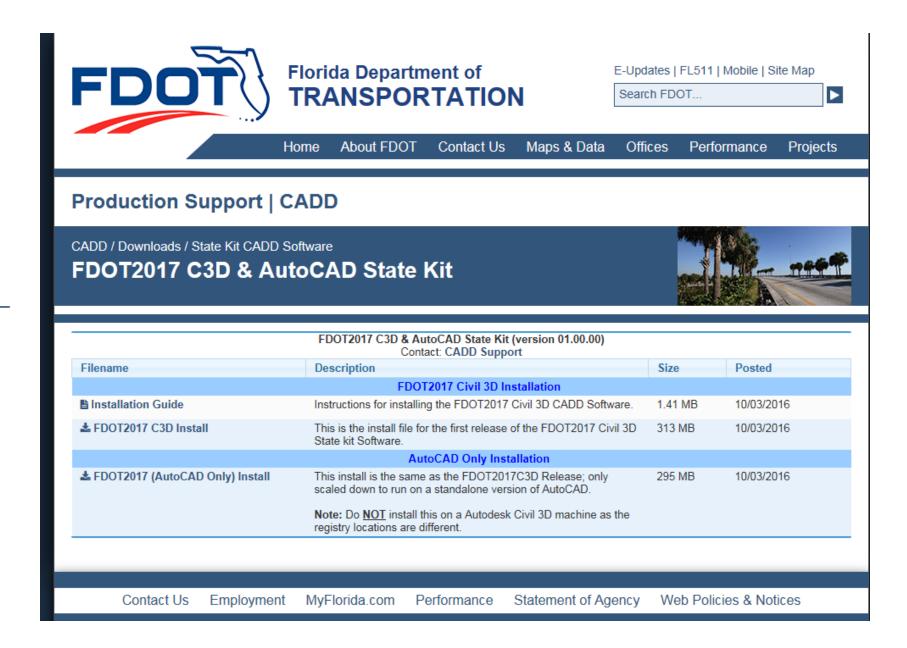
Posted: October 3, 2016

The FDOT2016 C3D MR1 & AutoCAD State Kit (version 01.01.00) is now available. This release contains updates necessitated by changes to Design Standards, Plans Preparation Manual (PPM), and the Basis of Estimates (BOE) as well as bug fixes to address reported issues.

FDOTSS4 MR2 CADD Software

Posted: October 3, 2016

The FDOTSS4 MR2 CADD Software (version 01.02.00) is now available. This release contains updates necessitated by changes to Design Standards, Plans Preparation Manual (PPM), and the Basis of Estimates (BOE) as well as bug fixes to address reported issues.





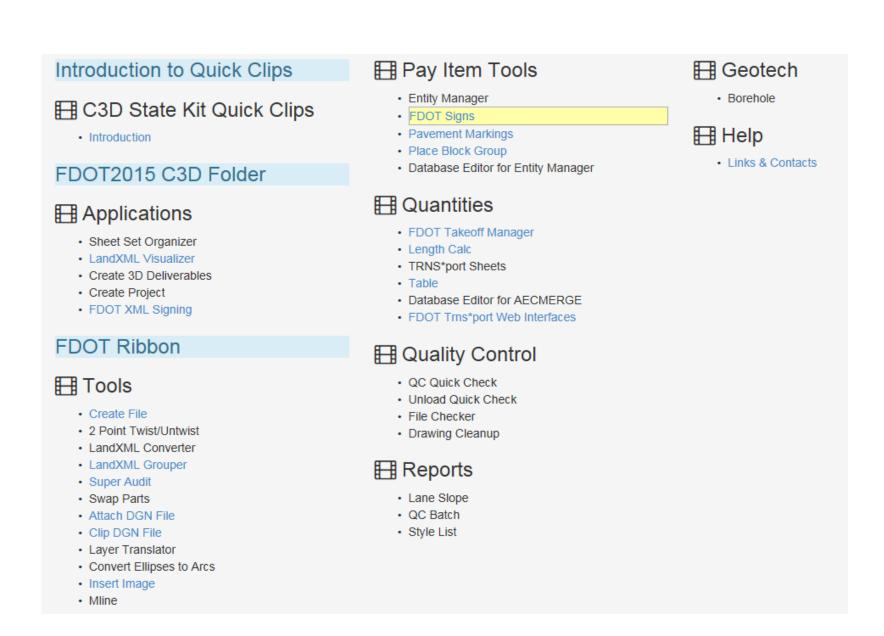


Additional Resources

We have created Quick Video Clips of the Applications and Commands on our Ribbon. You can access them either by pressing "F1" while hovering over the application OR click on the Link located under CADD RESOURCES in our Links & Help Section

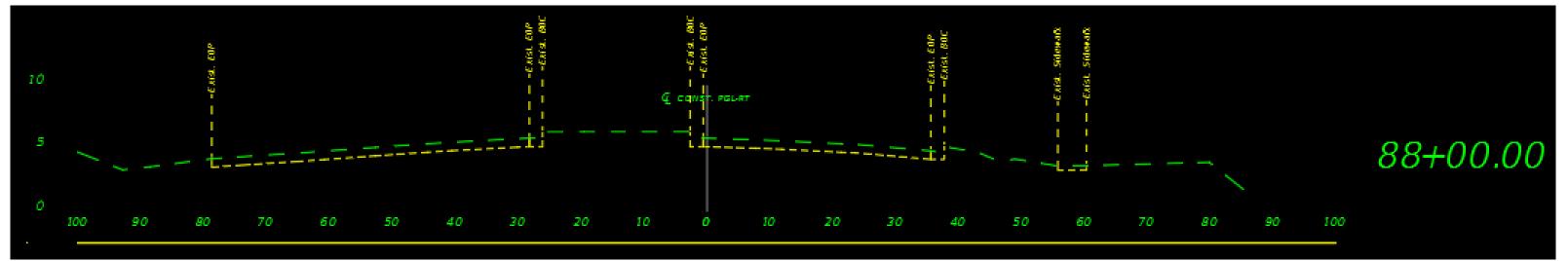


TIP- The Quick Clip Video will be highlighted based on what you select. The example above shows the FDOT Signs.

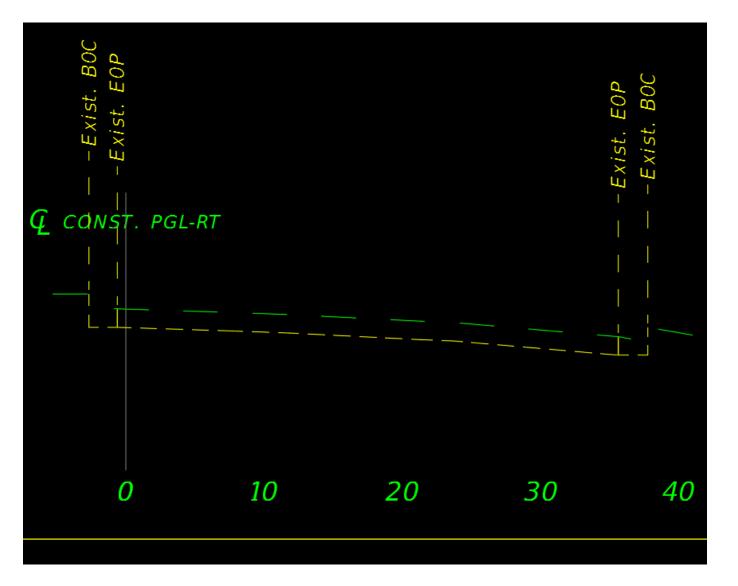




Existing Features Assembly







Key learning objectives

What did I show today:

- What and Where is the FDOT Civil 3D State Kit.
- Special FDOT Sub-assemblies that have robust help documentation.
- Demonstration of the Special Applications & Tools that can be used to generate transportation Plans.
- AutoCAD only installs that contain only the Resources, Blocks, Templates, etc.



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- Open daily from 8am-6pm Tuesday and Wednesday; 8am-4:30pm Thursday.
- Located outside Hall C, Level 2.
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 & support engineers ready to help with your most challenging technical questions.





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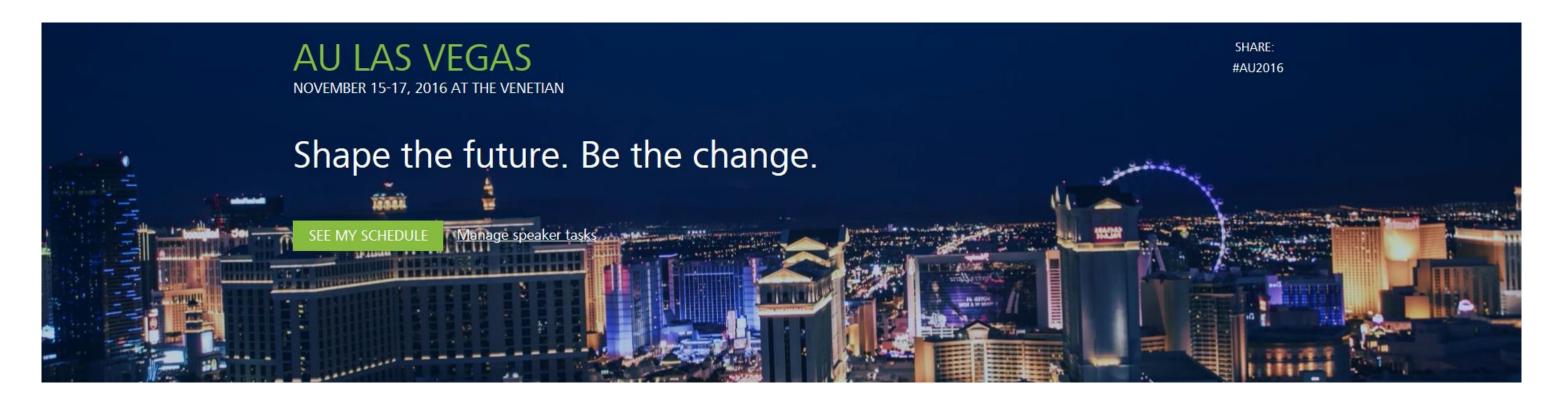






Thank You for spending your Afternoon with me!

My Name is Randy Roberts



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