ESS CADD'S: Q1 NEWS LETTER

MONTANA Department of Transportation

MARCH 3, 2025

ANNOUNCEMENT:

Welcome to the first edition of the ESS CADD Newsletter, an informational bulletin to keep users in the loop of everything going on in MDT's CADD world.

Want to know all about the new MDT C3D Ribbon and Tools! We have instructional videos on MDT's new YouTube Page. Check out the MDT Autodesk playlist and let us know what you think.

AUTODESK CIVIL 3D 2024:

The C3D 2024 upgrade was completed in November of last year. Thank you everyone for your help and patience!

MDT CIVIL 3D STATE KIT UPDATE:

At the end of November 2024 ESS CADD released State Kit patch V2.0.1 after the C3D 2024 upgrade. MDT State Kit version V2.1.0 was released in February 2025. To view the bulletin of the major release changes click here.

BIM 360 TRANSITION TO ACC DOCS:

MDT will be making a transition from Autodesk BIM 360 to Autodesk Construction Cloud (ACC) Docs in the near future. This transition will not affect your file structure and will improve file function within your Autodesk software.

CIVIL 3D CRASH REPORTS:

The ESS CADD team, as well as many others, meets quarterly with Autodesk to go over crash report trends submitted by MDT users. With this information we are able to assess issues with our users and create solutions to move forward.

Your input is important, PLEASE fill out your crash reports when Civil 3D crashes.

SUBMITTING A SERVICE TICKET - CASE VS. REQUEST:

Do you know the difference between making a service request and opening a service case? It is important that users submit a request and case correctly so that ESS CADD can manage those tickets efficiently. Here is the difference between a service request and a case.

- Service Request: is a request from MDT users to request service such as adding or enhancing a tool within Autodesk and Bentley. A service request should be used when you would like to see a new CADD software be installed, a new software tool, improvement in our software's function, or have access needs.

For example: You have found a new tool that helps you complete labeling in cross sections easier. You should submit a service request to have it added to the MDT State Kit.

- A Case: is a request to fix something that is broken and not working. A case is to be opened when your computer and/or software are not functioning properly.

For example: You are working on your corridor model and every time you try to set a new target on existing surface and C3D crashes. You should then open a case to get that issue resolved.

ESS CADD has different ways of interacting with both a Service Request and a Case within our ServiceNow platform so it is crucial that you submit the correct ticket to make sure we can manage that request and help you to the best of our capabilities.

Need to submit a case or request? Visit MDT Service Desk!

ESS CADD's Tip of the Month:

MDTDWGCLEAN Command:

Did you know MDT has a custom routine to clean our drawing files? The MDTDWGCLEAN is a command created specifically to help dwg drawings. The command runs the Audit command and Purge routines on zero-length geometry, empty text objects, and regapps. Running MDTDWGCLEAN will make the drawing use less memory, make opening and saving less strenuous, and will help the drawing perform faster.

To run the command type MDTDWGCLEAN into the command bar or select the DWG Clean button on the new MDT Tools Ribbon.



New Request Ticket Categories:

The ESS CADD team is adding more category options for making a CADD Application Enhancement/Work Request. This is to help our team track requests better and give users the ability to be more specific on what they would like to see for improvements. The categories for all requests are:

Autodesk - General
- All Autodesk Requests that are not BIM 360 nor MDT State Kit specific.

Autodesk - BIM 360
- For any updates to a project or to add a project to BIM 360.

Autodesk - State Kit
- For any MDT State Kit request and enhancements.

Bentley
- Any MicroStation/GEOPAK workspace/tool related requests.

Visit the MDT Service Desk for your next request!

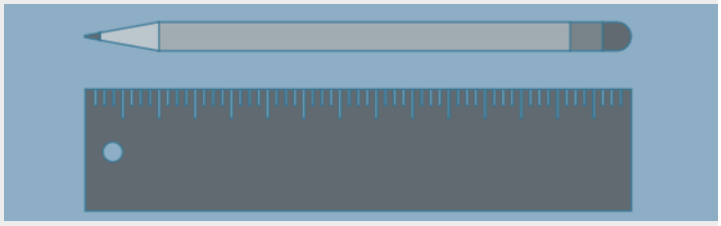
Copying Assemblies and Subassemblies:

It is best when copying Assemblies and Subassemblies in Civil 3D to use these practices.

Assemblies: Assemblies can be copied using the standard AutoCAD Copy command or "CO" for a keyboard shortcut. To copy an Assembly, select the whole assembly by the grip point in the middle and run the copy command. Do not include the subassemblies in a selection set before copying.

Subassemblies: Subassemblies are to **NEVER** be copied, mirrored, or moved using standard AutoCAD commands. When you select a Subassembly a menu of tools will appear in the ribbon. In those tools there are selections for copy, move, and mirror. This is what has to be used to adjust subassemblies.

If you do this incorrectly it can lead to lost links between assemblies and subassemblies and create complications in the corridor model.



Meet MDT ESS CADD:

Our team is here to help you with all your CADD needs!

- Beth Pointer - Lead CADD/EPS IT Systems Analyst: Beth recently joined ESS CADD in February 2024 and has experience at MDT in Road Design and R/W Design.
- Amanda Leslie - CADD IT Systems Analyst: Amanda has been a member of ESS CADD for 6 years bringing her previous Right-of-Way Bureau experience at MDT with her.
- Jeffrey Pankratz - CADD IT Systems Analyst: Jeff joined us July of 2024 coming from Road Design.

Reach out to us!

MDT Engineering Systems CADD
mdtcaddfaqs@mt.gov
Check out our webpage!
Engineering Apps & Resources

