CADD Platform Software Implementation Frequently Asked Questions (FAQ)

Monday, March 6, 2023

The Autodesk implementation project has been completed. The Autodesk AEC Collection software has been deployed to Preconstruction CADD users and initial Autodesk training has been completed. Work continues with Autodesk functional area workflow development, data exchanges, and State Kit development. Discussions are also beginning with Construction CADD users to develop a deployment plan.

Autodesk training classes are starting up again in March. The Autodesk Training calendar has been updated with the schedule of classes for March – April 2023. These courses are setup with registration through MDT Classrooms to enable students to register for classes that better suit their schedule.

Autodesk Training

A list of active highway projects was captured from EPS (Engineering Project Scheduler) the first week of February. This list has been published to communicate which projects are currently being designed using the Autodesk CADD Platform. New projects as well as migrated projects are displayed. This is a snapshot, however, but will give you a glance at the efforts being undertaken to move the agency to one CADD platform. This list is fluid and will be updated as changes are made to our Federal Aid Program. For up-to-date information please contact the Project Manager respective to the project.

Highway Design Project List

If you would like to review the Agency's Migration plan it can be found by selecting this link.

Autodesk Migration Plan

A quick reminder for those preconstruction staff that have attended the initial Preconstruction training for Autodesk. You can access the training material including manuals, video recordings and training data on BIM 360 by selecting the following link. The training manuals will also be posted to the Internet site in the coming weeks.

Training Link BIM360

USCAD Training accounts for self-paced learning can also be accessed for the following catalogs:

CAD Learning
USCAD Online University

For more information on creating or accessing your account please contact Patrick Lane.

CADD Platform Software Implementation Frequently Asked Questions (FAQ)

Friday, September 16, 2022

The Autodesk Migration Plan has been posted to the website. This plan provides details on the activities, resources, schedule and projects approved to be migrated to Autodesk.

[Autodesk Migration Plan](#)

Coming Soon! Updated Autodesk Training Calendar

The Autodesk Training calendar will soon be updated with the schedule of classes for October through December 2022. The training team is also setting up registration through MDT Classrooms to enable students to register for classes that better suit their schedule.

[Autodesk Training](#)

Wednesday, August 3, 2022

Information has been added to the website regarding the Autodesk training schedule, course descriptions and learning paths. The training schedule displays courses and functional areas that have been scheduled through the end of September 2022. The learning paths details the specific courses designated for each functional area. Both documents contain hyperlinks for each class that has a more detailed description of the course and topics covered.

[Autodesk Training](#)

The CADD Software Implementation project has been extended through October 31, 2022, to include additional services for implementation, including State Kit content, mentoring and project management. An updated project timeline has been posted to the website.

[Updated Project Timeline](#)

CADD Platform Software Implementation Frequently Asked Questions (FAQ)

Monday, May 2, 2022

A fourth Question & Answer (Q&A) session was held for MDT employees and Design Consultants regarding the CADD Implementation on April 7, 2022. The following link contains the questions and answers from that session.

Q & A Session #4

Friday, January 21, 2022

A third Question & Answer (Q&A) session was held for MDT employees and Design Consultants regarding the CADD Implementation on January 5, 2022. The following link contains the questions and answers from that session.

Q & A Session #3

Wednesday, December 22, 2021

Implementation website now available

Our CADD Software Implementation website is now available. You can find up-to-date information on the implementation, including Frequently Asked Questions, the implementation team and project documentation:

https://www.mdt.mt.gov/business/engops/cadd-implementation.aspx

MDT Staff and Consultants Q & A Session #3

There will be another Q&A session for the CADD Implementation, and you are all invited to participate. It will be in person in the Helena HQ Auditorium East or ZOOM on Wednesday, January 5th, 2022, from 11:30 a.m. - 12:30 p.m. We will continue to answer any questions you may have. Please use the following information if you wish to join the meeting virtually.
You're invited to a scheduled Zoom meeting.
MDT CADD Implementation Team is inviting you to a scheduled Zoom meeting.

Join Zoom Meeting
https://mt-gov.zoom.us/j/5833972359?pwd=QUc4RjNLU1loVXVNYWN2U1BYYUs4Zz09

Meeting ID: 583 397 2359
Password: 230062
Dial by Telephone

CADD Platform Software Implementation Frequently Asked Questions (FAQ)

+1 646 558 8656 or +1 406 444 9999
Meeting ID: 583 397 2359
Password: 230062
Find your local number: https://mt-gov.zoom.us/u/kfqGUMHFj
Join by SIP
5833972359@zoomcrc.com
Join by H.323 (Polycom)
162.255.37.11##5833972359

Monday, November 1, 2021

How will the Autodesk implementation affect our current support of Bentley software and workflows?

The Engineering Systems Section (ESS) CADD team will continue to provide day-to-day operational support for your Bentley applications until the Autodesk implementation is completed and users have been migrated to the new software. This includes providing technical support for software issues, workflows, and support for currently deployed custom MDT configurations and macros.

Enhancements and new workflows will not be pursued for existing Bentley software. However, any enhanced or new workflow requests received will be evaluated with the Autodesk software tools and considered by the implementation team.

This will allow us to focus efforts on the Autodesk implementation while continuing to maintain our current day-to-day operational support.

Wednesday, October 27, 2021

A second Question & Answer (Q&A) session was held for MDT employees and Design Consultants regarding the CADD Implementation on October 14, 2021. The following link contains the questions and answers from that session.

Q & A Session #2

Tuesday, September 14, 2021

A Question & Answer (Q&A) session was held for MDT employees and Design Consultants regarding the CADD Implementation on September 2, 2021. The following link contains the questions and answers from that session.

Q & A Session #1

CADD Platform Software Implementation Frequently Asked Questions (FAQ)

A glossary of key terminology for the CADD Implementation has been established as requested through feedback during the Q & A Session #1.

Key Terminology

Tuesday, August 24, 2021

Has the CADD Implementation of Autodesk started?

As of July 26, 2021, MDT has executed contracts for the Autodesk AEC Collection licensing and for implementation of the software. The Project Management team consisting of MDT, U.S. CAD and Autodesk personnel are working to finalize the Project Implementation Plan, which details the objectives, timeline, milestones, and deliverables for the project. A project kickoff meeting for the core implementation team and Engineering management has been scheduled for August 31, 2021.

Wednesday, June 23, 2021

Are there pilot projects underway using Autodesk, and if so, how does this impact the CADD Implementation?

MDT is currently conducting Autodesk Pilot projects in the Butte and Great Falls districts. Beginning in the fall of 2017, MDT undertook a Preconstruction proof of concept and subsequently a pilot project in the Bridge Bureau utilizing the AEC Collection of tools from Autodesk. This pilot was successful and led other functional areas within Preconstruction to express interest in evaluating the perceived business and technical advantages experienced by Bridge. Engineering is taking advantage of these pilot projects by beginning to perform workflow analysis and evaluating technical and business process requirements. Lessons learned will be shared with the MDT CADD Implementation team. Autodesk Civil3D training and mentoring is only being conducted with the pilot project teams for Cougar Creek, and Carter South at this time. The MDT CADD Implementation team will be developing a department wide training plan independent of the pilot projects.

Friday, June 11, 2021

As many are aware, MDT recently went through the State of Montana RFP process to select a CADD platform. To help dispel rumors and help communication, following are some common questions that have started to arise. This will be a living document. As questions arise, they will

CADD Platform Software Implementation Frequently Asked Questions (FAQ)

be added. Feel free to submit questions to one of the project managers at any time and they will be added when possible.

Co-Project Managers for the CADD Platform Software implementation:

Kathy James (kjames@mt.gov)

Patrick Lane (plane@mt.gov)

What CADD Platform software has MDT decided to implement?

The CADD Platform software selected is the Architecture, Engineering & Construction (AEC) Collection from Autodesk. This includes a variety of software modules contained in the collection. Overview Video (YouTube)

Why did MDT look for a CADD platform?

For various reasons, some areas within Engineering were evaluating Autodesk software for its modeling capabilities and tools. The Bridge Bureau has already made the decision to implement the software. MDT needed to upgrade from MicroStation version SS10 as this software would no longer be supported at the end of 2021. Rather than spend time continuing to evaluate Autodesk to determine its feasibility and try to make a decision based on limited information, it was decided by management to go through the formal RFP process. This would allow software to be evaluated against a thorough, detailed list of requirements and be evaluated by a cross section of people from different areas. Additionally, it would result in a contract that utilizes Montana's standard contract with better protection for MDT.

How was this decision made?

This decision was made utilizing the State of Montana RFP Process. Functional requirements for the RFP were developed and reviewed by all Preconstruction functional areas. The CADD Platform Software RFP was opened for bid on January 4, 2021 and closed on March 1, 2021. Offerors were required to submit responses for functional, technical, interface, environment, maintenance, support, and training requirements as well as a draft project plan for the implementation of the software. MDT received valid responses from Bentley Systems, Inc. and DLT Solutions, LLC. An evaluation team of MDT personnel from Engineering Preconstruction and Engineering Operations evaluated the responses and determined consensus scores for the responses based on the requirements criteria. Based on the consensus scores, a production demonstration was extended to DLT Solutions, LLC. The product demonstration was held on April 20, 2021 and the evaluation team determined a consensus score for the demonstration based on required criteria. On April 29, 2021, the evaluation team signed an award recommendation letter, recommending MDT accept DLT Solutions, LLC's offer and enter into contract with them for the CADD Platform software.

CADD Platform Software Implementation Frequently Asked Questions (FAQ)

Who is Team DLT?

Team DLT is comprised of the following:

> DLT Solutions, LLC – providing contract management
> Autodesk – providing software and project management
> U.S. CAD – providing training and technical support

When is this going to happen?

Currently, MDT is negotiating the contracts for licensing and implementing the Autodesk software. Once we have signed and executed the contracts, a project plan will be developed and will provide a timeline for the implementation.

Can we start designing in Autodesk now?

No. Our current workflows and processes will remain the same for delivering Montana's Federal Aid Program. A project plan will be developed and will provide a timeline for the implementation, which will include details on when you can expect to begin designing using Autodesk.

Can MDT now start accepting projects designed in Autodesk from Consultants?

No. Our current workflows and processes will remain the same for delivering Montana's Federal Aid Program. A project plan will be developed and will provide a timeline for the implementation, which will include details on when MDT can begin accepting Consultant designed projects using Autodesk.   Some pre-approved Bridge projects are the exception. Contact MDT Consultant Design for more information.

How will this affect our current Bentley projects?

Once the contracts are fully executed, MDT and Team DLT will begin discussing a migration plan to deal with existing projects.

Will I need new hardware to run the Autodesk software?

No. Your hardware meets the requirements for the Autodesk software.

Will there be any training?

Yes. A training plan will be co-developed by MDT and Team DLT. This training plan will include details on training content and schedule.

CADD Platform Software Implementation
Frequently Asked Questions (FAQ)

Where can I find more information?

More information will be continuously added to this FAQ document and a CADD Platform Software implementation website page will be coming.