

A CADD Application Enhancement/Work Request may be submitted for new MDT Civil 3D State Kit development needs. Use the Submit a Request link on the [Engineering Apps & Resources](#) web page. MDT internal users may go to MDT Service Desk > Make a Service Request. Approved MDT Civil 3D State Kit requests will proceed through the following sequence leading to deployment. The status of each open request is reported below.

For Review

For Assignment

In Development

Testing

For Review (63) For Assignment (4) In Development (3) Ready for Testing / Testing (0) State Kit N/A (12)

Civil 3D Version	Component (Version)	Target Date	Issue	Remarks	Status
2024.4	State Kit (vX.XX)	TBD	<u>Excel Manager Automation-SISUM</u> Priority: HIGH The SISUM Excel tool will need “Place” functionality to work in Civil 3D for Signing summary sheet process.	Email Task Team	In Development
2024.4	State Kit (vX.XX)	TBD	<u>State Kit Documentation</u> Priority: MEDIUM New/updated 2022 state kit documentation. Documents to be created with Montana "branded" template.	Email Task Team	In Development
2024.4	State Kit (vX.XX)	TBD	<u>State Kit Files Map</u> Priority: HIGH, Complexity: MODERATE Need a map charting contents of state kit files.	Email Task Team	In Development
2024.4	State Kit (vX.XX)	TBD	<u>Block Layers and Fonts: EL-Standard Details</u> <u>[Electrical Detail Block Layer Use]</u> Priority: LOW, Complexity: COMPLEX Block layers don't follow layer naming convention or use Arial font.	Email Task Team	For Assignment
2024.4	State Kit (vX.XX)	TBD	<u>Block Layers and Fonts: Layouts</u> Priority: LOW, Complexity: MODERATE Block layers don't follow layer naming convention or use Arial font.	Email Task Team	For Assignment
2024.4	State Kit (vX.XX)	TBD	<u>Block Layers and Fonts: SU-Cadastral</u> Priority: LOW, Complexity: COMPLEX Block layers don't follow layer naming convention or use Arial font.	Email Task Team	For Assignment
2024.4	State Kit (vX.XX)	TBD	<u>Block Layers and Fonts: EL-Plan</u> Priority: LOW, Complexity: COMPLEX Block layers don't follow layer naming convention or use Arial font.	Email Task Team	For Assignment

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2024.4	State Kit (vX.XX)	TBD	<u>2024 Update Reference Templates Tool</u> Priority: HIGH, Complexity: COMPLEX 2022 reference template paths may need to be updated for 2024 state kit pathing. Need to automate or semi-automate reference template path updating.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Excel Tools-Electrical</u> Priority: HIGH Excel is used for summary and ownership table data to be inserted into drawing files. Need a location and delivery method within or separate from the state kit.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Custom Routine to Scale DGN Converted Elements</u> Priority: HIGH DGN converted surveys result in linetype symbology and point symbols having fixed scale.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Exhibit FHWA/MDT APPROVAL and MAP REVISED dates</u> Priority: HIGH FHWA/MDT APPROVAL and MAP REVISED dates are displayed on the Right-of-Way exhibit sheet.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>R/W View Frame Styles [R/W Viewport limits and View Frame Styles - State Kit needs, R/W View Frame Limits, View Frame Styles]</u> Priority: MEDIUM, Complexity: SIMPLE R/W plans have a wider vertical plan area than referenced in plan and profile sheets. A method is needed to show reference lines to place plan and profile consumable data while maintaining wider view frame lines for r/w sheets.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Alignment and Profile Design Check Styles</u> Priority: MEDIUM Need Design Check Styles for profiles to support MDT processes.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Alignment Command Settings</u> Priority: MEDIUM Alignment command settings are needed to set default layers and styles.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	<u>Bentley Layer Translator-Road Design</u> Priority: MEDIUM Files converted from DGN to DWG are not appropriately mapping Bentley levels to new Civil3D layer names for Road Design Data.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Corrections to Parts Catalog</u> Priority: MEDIUM The wall thicknesses of the CSP pipes do not match the detailed dwgs. The CSP Arch pipes show wall thicknesses that are inches thick. The circular pipes show wall thicknesses that are thin, but do not match the detailed dwg. The circular pipes appear to have the right wall thickness options.Concrete Arch pipes have a floating anchor point that corresponds to the invert elevation in the pipe properties. However, the location of the floating anchor point is between the inside and outside wall. It should be flush with the inside wall.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Cross Section Rename and Renumber</u> Priority: MEDIUM Cross sections sheet sets can have more than 500 sheets. The rename and renumber tool within the sheet set manager requires manually typing every sheet number.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>MDT Civil 3D Subassembly and Assembly Guide-Smooth Transitions</u> Priority: MEDIUM MDT Parameter Reference can be leveraged with using profiles to create smooth transitions in corridors. Documentation updates are needed to clarify this.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>PDF Options</u> Priority: MEDIUM Civil 3D PDF quality options are higher than Bentley PDF options resulting in larger pdfs. Civil 3D MDT PDF (General Documentation).pc3 PDF Options include all data options.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	<u>Pipe Network Default Parts</u> Priority: MEDIUM Default parts aren't consistent. Default parts from DRNG parts list (Null Structure/12" RCP) are loaded in Network Layout Tools when creating or editing a pipe network. Reloading the parts list from within the Network Layout Tools dialog defaults Concentric Cylindrical Structure/15" RCP.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Plan Set Development Expediency-Road Design Typical</u> Priority: MEDIUM Preparing typical sheet files with typical sections in model requires repetitive work setting up viewports without any automation.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Proposed Line Types</u> Priority: MEDIUM, Complexity: MODERATE Proposed line types for some proposed features are not available.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Bentley Layer Translator-Signing</u> Priority: MEDIUM Files converted from DGN to DWG are not appropriately mapping Bentley levels to new Civil3D layer names for Signing Data.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Section Views - Add Labels and Dynamo Scripts to State Kit for Pipe Networks</u> Priority: MEDIUM Dynamo scripts and supporting pipe label styles are needed in State Kit to label pipe networks in section views.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Storing/Running Dynamo Scripts in State Kit</u> Priority: MEDIUM Need file locations, content/runtime framework, supporting files, default settings, and documentation to store/run Dynamo scripts in State Kit.- Dynamo/Python scripts (.dyn/.py)	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Traffic Investigations Map Content</u> Priority: MEDIUM, Complexity: COMPLEX Transportation commission traffic investigations maps require state kit development to be completed in Civil 3D.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	<u>Urban Scale Label Styles</u> Priority: MEDIUM Label style scales aren't available for urban plan production.	Email Task Team	For Review
2024.4	State Kit (v2024.1.0.5)	TBD	<u>User Palette .atc Help Guide Path</u> Priority: MEDIUM User palette help guide is linked to path in state kit 2022 folder.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Section View Command Settings</u> Priority: MEDIUM Cross section workflow default settings are desired.	Email Task Team	For Review
2024.4	State Kit (v2.0)	TBD	<u>North Arrow on Layouts</u> Priority: MEDIUM, Complexity: SIMPLE Need a dynamic north arrow with view port link.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Access Control Line Types</u> Priority: MEDIUM, Complexity: MODERATE The access control line types include new r/w line symbology, access control symbols are too far apart, and color blue.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Code Sets-TBC Export</u> Priority: MEDIUM Code Set Styles are needed to support TBC export processes.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Sheet Layout Blocks on Palettes (Blocks to Palettes)</u> Priority: MEDIUM, Complexity: MODERATE The blocks for sheet layouts are in a DWT file in the reference folder and not convenient to access.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Default Annotation Scale List</u> Priority: MEDIUM, Complexity: MODERATE 1. Prepopulate the default annotation scale list with only scales that MDT uses.2. Add Scale list dialog box shows architectural values in dropdown menu, but adds correct engineering scales when default scale list is added with reset button.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	<u>Disable Hardware Acceleration</u> Priority: MEDIUM Hardware acceleration disabled notices are displaying within Civil 3D during design work.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Feature References</u> Priority: MEDIUM Feature references need to use the construction surface references.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Geotextile Linetype Enhancement</u> Priority: MEDIUM The hatches on the geotextile linetype (MDT_GEOTEXT) are difficult to see, display is too light.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Hydraulics Profile View - Object Style</u> Priority: MEDIUM Hydraulics requires a screened grid profile view style.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Label Styles</u> Priority: MEDIUM MDT process label styles are needed.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Layer Filter for Existing Utilities</u> Priority: MEDIUM A layer filter is needed for existing utilities.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Layer for Existing Highway Easement</u> Priority: MEDIUM New layer needed for existing highway easement.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Line Type/Block Plotting</u> Priority: MEDIUM Line types and blocks don't always plot as desired requiring review and adjustment for desired plotting results.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>MDT C3D Styles Coordination-Corridor Styles/Command Settings</u> Priority: MEDIUM Existing corridor style needs to be edited for MDT processes.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Measure Areas in Acres</u> Priority: MEDIUM Need to have functionality to measure areas in acres.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	<u>North Arrow Attributes</u> Priority: MEDIUM The North arrow is referencing a township in the sheet set but there is not a property for township in the sheet set.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Note Label Styles</u> Priority: MEDIUM Label style needed to label northing/easting of a polyline.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Pipe Network Label Edits</u> Priority: MEDIUM More label styles are needed for pipe networks, specifically for plan and profile production.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Profile View Styles - Scales</u> Priority: MEDIUM, Complexity: SIMPLE Need profile view styles for additional scales.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>R/W Layout Updates-Associated Projects</u> Priority: MEDIUM Associated Project block displays R/W, IC, and PE numbers. Showing a P.E. number only is customary in R/W.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Sewer Parts Catalog</u> Priority: MEDIUM A sewer parts catalogue is needed for modeling potential conflicts.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Sheet Scale</u> Priority: MEDIUM Sheet layout scales don't support Road Design standard scales.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Sheet Set Properties Non-SSM Fields</u> Priority: MEDIUM, Complexity: MODERATE Non-SSM fields are populated in the Sheet Set Properties.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Title Sheet Project ID</u> Priority: MEDIUM The sheet set manager doesn't manage the title sheet project ID number.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Block Layers and Fonts: RW-Plans</u> Priority: LOW, Complexity: COMPLEX Block layers don't follow layer naming convention or use Arial font.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	<u>Pressure Network SSA Error</u> Priority: LOW Storm and Sanitary Analysis is throwing errors when attempting to import a Civil3D .dwg file.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Section view label needed for existing ground crown elevation</u> Priority: LOW A label style is needed for labeling the existing ground at the crown of the existing centerline in a section view.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Utility Plan Layer State</u> Priority: LOW, Complexity: SIMPLE Layer state is needed to plot color utility plans.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Cadastral Survey Seal</u> Priority: LOW MDT_SEAL_BLOCK design isn't usable for cadastral surveys.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Feature Line Styles Display</u> Priority: LOW, Complexity: SIMPLE Display of 3D line types isn't complete through short segments.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Filters for XREF Layers</u> Priority: LOW XREF layers are not filtered	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Land Survey Symbol Masking</u> Priority: LOW Land Survey symbols require masking of linework beneath symbol.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Layer Color Conflicts</u> Priority: LOW Color discrepancies and clashing are identified.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Corridor Section Editor Default Settings</u> Priority: LOW, Complexity: SIMPLE Corridor Section Editor needs default settings.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>View Frame Sheet Template Folder Navigation</u> Priority: LOW View frame sheet templates folder location requires user to navigate backwards in the folder structure to select a file when using the Create View Frame wizard.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	<u>Alias Command</u> Priority: LOW Need documentation for users to define new alias for commands that don't have an alias assigned to them by default and/or change the existing aliases for commands to their preference. command aliases that are commonly used at MDT. The acad.pgp file can be saved in the user folder.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>MDT C3D Styles Coordination-Multileader Styles</u> Priority: LOW Multileader styles need edits with dimension styles for consistency.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Fiber, Phone, TV Overhead Line Types</u> Priority: LOW, Complexity: SIMPLE Existing overhead fiber and phone lines won't be used as they aren't surveyed with unique feature codes.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Existing Fiber Optic Linetype Description</u> Priority: LOW Linetype MDT\FO\OH_E linetype description incorrectly references proposed - Fiber Optics - Overhead - Proposed.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	<u>Retain User Profile Settings w/State Kit Updates</u> Priority: LOW, Complexity: COMPLEX <<MDT>> profile settings are wiped out when updating the State Kit. This is by design, to ensure required State Kit settings are loaded. Some profile settings can be set by the user, but cannot be saved before an update. Need a method to save a user's profile settings before an update and restore those settings after an update.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	N/A	<u>Subassembly Side Assignment</u> Unable to get a subassembly component to flip to the opposite side when including the MDTPParameterReferences in the assembly.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	N/A	Indirect/Related - MDT Daylight Subassembly Documentation Priority: MEDIUM, Complexity: SIMPLE Some parameter definitions are missing/need clarification for MDT Daylight subassembly in the MDT Civil 3D Subassembly and Assembly Guide.	Email Task Team Clarification added to MDT Civil 3D Subassembly and Assembly Guide for MDT Daylight subassembly.	State Kit N/A
2024.4	State Kit (vX.XX)	N/A	Indirect/Related - Cut/Fill Report unsorted Priority: LOW Cut/Fill report columns can't be sorted and produce a report with the surface volumes out of order.	Email Task Team CutFillreport.xml edited to include sort select by name code: 1) add <xsl:sort select="@name" /> as line 53. Updated on MDT machines only - not included in MDT Civil 3D State Kit. https://forums.autodesk.com/t5/civil-3d-forum/civil-3d-volumes-dashboard-sort-columns-alphabetically/m-p/6577977/highlight/true#M312853 "smartCard-inline")	State Kit N/A
2024.4	State Kit (vX.XX)	N/A	Indirect/Related - Volume report-Select Material sheet style Priority: LOW Civil 3D won't read the select material.xml sheet style.	Email Task Team Mass Haul - Multiple Materials.xml and Select Material.xml (default location: C:\ProgramData\Autodesk\C3D 2022\enu\Data\Quantities Report Style Sheets\xsl) require updates per Release Notes for Autodesk® Civil 3D® 2022.2.1 - [https://help.autodesk.com/view/CIV3D/2022/ENU/?guid=Civil3D_ReleaseNotes_2022_2_1_Release_Notes_html](https://help.autodesk.com/view/CIV3D/2022/ENU/?guid=Civil3D_ReleaseNotes_2022_2_1_Release_Notes_html "smartCard-inline"). This patch deployed on MDT machines only. No MDT Civil 3D State Kit updates required.	State Kit N/A
2024.4	State Kit (vX.XX)	N/A	No Action - Related Projects box on Title Sheet Title sheet Related Projects box doesn't support multiple project entries.	Email Task Team The related projects block does allow for multiple project/multi-line entries. This is accomplished within the Enhanced Attribute Editor using the "Open Multiline Editor" ellipsis button to the right of the Value field.	State Kit N/A
2024.4	State Kit (vX.XX)	N/A	No Action - Transparent Commands OSnap Settings After a transparent command is used the OSnap settings are turned off.	Email Task Team OSnap settings aren't turned off when using transparent commands with Civil 3D 2024.	State Kit N/A
2024.4	State Kit (vX.XX)	N/A	No Action - Rehab Tools not Working w/State Kit Rehab Manager (Rehab Corridor Editor tab) doesn't work with a rehab corridor. It should open the Rehab Reports dialog.- Rehab Reports dialog loads in Imperial Civil 3D 2022 Imperial-Failure response in Civil 3D 2022 Montana State Kit. - Response: "Failed to start rehab manager. The region does not have a target surface.", - When setting target - Warning: "No target found in the scripts."- When attempting to create corridor by the setting number of lanes, the application crashes.	Email Task Team Rehab Manager works properly without crashing in Civil 3D 2024.	State Kit N/A

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2024.4	State Kit (vX.XX)	N/A	<div>No Action - Admin Template Update</div> <div>Templates require local updates from BIM 360 before proceeding with development tasks.</div>	<div>Email Task Team</div> <div>There is no solution at this time.</div>	State Kit N/A
2024.4	State Kit (vX.XX)	N/A	<div>No Action - Reset MDT State Kit Profile Enhancements</div> <div>Error encountered when the MDT profile is deleted then Reset MDT State Kit Profile is used.</div>	<div>Email Task Team</div> <div>Updates in progress with request “Retain User Profile Settings w/ State Kit Updates” will resolve this issue.</div>	State Kit N/A
2024.4	State Kit (vX.XX)	N/A	<div>No Action - Shoulder Widening Subassembly</div> <div>Need for more control over the different shoulder slopes in MDT Widening assembly.</div>	<div>Email Task Team</div> <div>Added the acquire slope and offset from surface functions to MDT OffsetOnSurfaceLink subassembly to be released with state kit 2.0.</div>	State Kit N/A
2024.4	State Kit (vX.XX)	N/A	<div>No Action - MDT C3D Styles Coordination-Profile View Styles/Command Settings</div> <div>Need Profile View Styles for profiles to support MDT processes.</div>	<div>Email Task Team</div> <div>See requests “Profile view styles for split profiles” and “Profile View Band Styles” for solution.</div>	State Kit N/A
2024.4	State Kit (vX.XX)	N/A	<div>No Action - Update XS layouts</div> <div>Sheet description on cross sections sheets needs to display as “CROSS SECTIONS”. Updating the numerous sheets is tedious.</div>	<div>Email Task Team</div> <div>Create new version of B-Border-Road\ 11x17 title block for cross sections so that the DSC-1 (Sheet description) reads as “CROSS SECTIONS.” Then update the border in the MDT\ XS\ 10 and MDT\ XS 20 layouts in the XS-layouts.dwt sheet template file. No Action reasoning (Caitlyn): Users can use the Find command and find and replace all instances of “####” in their drawing with their wording preference for cross sections. This allows the designer to specify the mainline, approach, ramp adjective for cross sections, whereas the method above would require the user to add or edit the adjective anyway.</div>	State Kit N/A
2024.4	State Kit (vX.XX)	N/A	<div>Indirect/Related - Civil 3D 2024 Installs for 2024 Development</div> <div>Priority: HIGH</div> <div>Civil 3D installs for 2024 State Kit development needed. (With subassembly composer.)</div>	<div>Email Task Team</div>	State Kit N/A