MONTANA
Department of Transportation

August 2025

MDT Civil 3D State Kit - Create Corridor Surfaces

YOUTUBE VIDEO DOCUMENTATION

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OVERVIEW

The **Create Corridor Surfaces** command automates the process of creating corridor surfaces. To create the surfaces, a Corridor Surface Definition CSV file is developed. This CSV file contains point and link codes that will be used to define the corridor surface(s). Any number of Corridor Surface Definition CSVs can be created for different scenarios or projects.

The default Corridor Surface Definition CSV file is stored in:

C:\ProgramData\Autodesk\ApplicationPlugins\MDTSK2024.bundle\Content\en-US\CreateCrdrSurfs.csv

The recommended best practice is to create copies of the file. General scenario Corridor Surface Definition CSVs can be saved anywhere outside of the State Kit file locations (such as the User folder). Project specific Corridor Surface Definition CSVs can be saved with the project files.

The **Create Corridor Surfaces** command is developed and provided by WisDOT

COMPANION DOCUMENTATION

YouTube Video Link: https://youtu.be/MnGFxorR7RI?si=cJtij9Jkj3FdNtDW

USING THE COMMAND

Creating a Corridor Surface Definition CSV file

1. Type **MDTCreateCorridorSurfaces** at the command line or press the **Create Corridor Surfaces** ribbon button.
2. Select Corridor Surface definition file [Apply default View default browse Current browse Last]:
3. Select View default to open the default Corridor Surface Definition CSV located here:
   C:\ProgramData\Autodesk\ApplicationPlugins\MDTSK2024.bundle\Content\en-US\CreateCrdrSurfs.csv
4. Do not edit the default file. **Save a copy** of the default file **to a different location.**
5. Edit the copied file as needed. (Multiple Corridor Surface Definition CSVs can be created for different scenarios/projects.)
   a. The **Create? ('X')** column controls whether the surface for that row is created. Insert an "X" to create.

b. The **Name** column contains the surface name. Placing an asterisk (*) in the name will insert the name of the corridor.
c. The **Style** column contains the name of the surface style to be applied.
d. The **Feature Line Codes** column contains feature line codes (point codes) to be used for the surface definition. Codes are separated by semicolons (no spaces). This column's cells can be left blank to omit feature line codes.
e. The **Link Codes** column contains link codes to be used for the surface definition. Codes are separated by semicolons (no spaces). This column's cells can be left blank to omit link codes.

6. **Save** and **close** the Corridor Surface Definition CSV.

Creating Surfaces

1. Type **MDTCreateCorridorSurfaces** at the command line or press the **Create Corridor Surfaces** ribbon button.
2. Select Corridor Surface definition file [Apply default View default browse Current browse Last]:
    a. Apply default
        i. Applies the default Corridor Surface Definition CSV file.
    b. View default
        i. Opens the default Corridor Surface Definition CSV in Excel.
    c. browse Current
        i. Opens the current drawing file location.
    d. browse Last
        i. Opens the last selected Corridor Surface Definition CSV file location.
3. Select an option to select a Corridor Surface Definition CSV file.
4. Select a corridor.
5. Surface(s) will be built.
6. Process complete. Rebuild Corridor? dialog box will appear.
7. Click "Yes" to rebuild now or "No" to rebuild later.