MONTANA
Department of Transportation

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MDT Civil 3D State Kit - Prospector Object Folders

YOUTUBE VIDEO DOCUMENTATION

TABLE OF CONTENTS

Table of Contents **2**
Overview **3**
Companion Documentation **3**
Using the Command 3

OVERVIEW

Civil 3D allows for the creation of "folders" to organize some types of Civil 3D objects in the **TOOLSPACE > Prospector tab > Object Tree**. The **Prospector Object Folders command** automates the creation of these folders.

The **Prospector Object Folders** command is developed and provided by WisDOT.

COMPANION DOCUMENTATION

YouTube Video Link: https://youtu.be/qs_DG5jLhsU?si=JjV0TQ9MfEmESw_k

USING THE COMMAND

To automate creation of the folders, an Object Folder data CSV file is developed. This CSV file contains a list of object types and folder names. Any number of Object Folder data CSVs can be created and saved for general use or specific projects.

Creating an Object Folder data CSV file

1. Type **MDTCreateObjectFolders** at the command line or press the **Prospector Object Folders** ribbon button.
2. Select Object Folder data file [Apply default View default browse Current browse Last]:
3. Select View default to open the default Object Folder data CSV located in the State Kit here:
   C:\ProgramData\Autodesk\ApplicationPlugins\MDTSK2024.bundle\Content\en-US\CreateObjectFolders.csv
4. Do not edit the default file. The recommended best practice is to create copies of the file. **Save a copy** of the default file **to a different location**. General Object Folder data CSVs can be saved anywhere outside of the State Kit file locations (such as the User folder). Project Object Folder data CSVs can be saved with the project files.
5. Edit the copied file as needed.
   a. The first column of the CSV contains the *value* for the Civil 3D object type. Valid case-sensitive values shown below:
      i. *value* (Object Type)
      surface (Surface)
      centerline (Centerline Alignment)
      offset (Offset Alignment)
      curbreturn (Curb Return Alignment)

rail (Rail Alignment)
miscellaneous (Miscellaneous Alignment)
network (Pipe Network)
corridor (Corridor)
intersection (Intersection)
viewframegroup (View Frame Group)
*Note: There are no spaces in the *value*.

b. The second column of the CSV contains the name of the folder.
    i. For example, if a folder named “Route 24” is to be created for Corridors, a folder named “Culverts” is to be created for Pipe Networks, and folders named “Existing” and “Proposed” are to be created for Surfaces, the CSV would appear as shown below.

corridor	Route 24
network	Culverts
surface	Existing
surface	Proposed

6. **Save** and **close** the Object Folder data CSV.

Adding Folders from an Object Folder data CSV file

1. Type **MDTCreateObjectFolders** at the command line or press the **Prospector Object Folders** ribbon button.
2. Select Object Folder data file [Apply default View default browse Current browse Last]:
3. Apply default
    i. Applies the default Object Folder data CSV file.
4. View default
    i. Opens the default Object Folder data CSV in Excel.
5. browse Current
    i. Opens the current drawing file location.
6. browse Last
    i. Opens the last selected Object Folder data CSV file location.
7. Choose an option to select an Object Folder data CSV file.
8. Object folders will be created in the **TOOLSPACE > Prospector tab > Object Tree**