



**MONTANA**

Department of Transportation

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**MDT Civil 3D State Kit -  
Remove Orphaned Images**

YOUTUBE VIDEO DOCUMENTATION

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## OVERVIEW

The **Remove Orphaned Images** command searches a project directory to identify image files that are not referenced into any DWGs that are in that directory. An option to delete the unreferenced image files is provided.

The **Remove Orphaned Images** command is developed and provided by WisDOT.

## COMPANION DOCUMENTATION

YouTube Video Link: [https://youtu.be/vY\\_T92vC4Qs?si=ud4hfQiqZaoKmHrt](https://youtu.be/vY_T92vC4Qs?si=ud4hfQiqZaoKmHrt)

## USING THE COMMAND

**Note:** Only DWGs and images within the same Civil 3D project directory structure are analyzed. If an image in one project is referenced into a DWG in a different project, it may appear as orphaned.

1. Type **MDTRemoveOrphanedImages** at the command line or press the **Remove Orphaned Images** ribbon button.
2. This command can be resource intensive and will open AutoCAD in the background to analyze files during the process. It is recommended to close any non-essential programs to free up resources before running this command.
3. The Browse for Folder dialog box will be displayed.
  - a. Browse and select a project directory to search for image files.
  - b. Click “Open”.
4. All DWG files and image files will be analyzed in the subfolders of the selected directory. The analysis is performed in 3 phases.
  - a. **Phase 1:** Search for image files (.jpg, .png, .jpeg, .tiff, .tif, .sid).
    - a. A list of image files found within the project is created.
  - b. **Phase 2:** Search for DWG files.
    - a. Each DWG database found is opened in the background to see if any of the image files found in Phase 1 are referenced. If an image is found to be referenced, it is removed from the list of image files.
    - b. Each DWG database is analyzed to see if a Map 3D raster connection exists in the drawing. If there is a raster connection, the DWG is added to a drawing list for further analysis in Phase 3.
  - c. **Phase 3:** Each DWG found with a Map 3D raster connection is opened in a read-only state. The raster connections are analyzed to see which

image file is referenced. The referenced images are removed from the list created in Phase 1.

- d. If at any point **all** image files are found to be referenced, the DWG analysis will end.
- 5. A list of orphaned image files that are not referenced by DWGs in the project directory is presented in a dialog.
  - a. Files are listed with the full filepath. (If further investigation is needed.)
  - b. To mark an orphaned image file for deletion, check the box in the Delete column.
  - c. If there is a corresponding world file for the image, it will also be deleted.
- 6. Click "Continue" to delete the selected files or click "Close" to exit.
  - a. The selected image files will be permanently deleted.
  - b. Be careful!
  - c. **Are you sure you want to proceed? Yes or No?**
    - a. Click "Yes" to delete.
      - i. Image files will be deleted. Command will close.
    - b. Click "No" to abort.

Return to step 5 or click "Close" to exit.