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=ud4hfQjqZaoKmHrt

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.