MONTANA
Department of Transportation

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MDT Civil 3D State Kit - Crop Surfaces

YOUTUBE VIDEO DOCUMENTATION

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OVERVIEW

The **Crop Surfaces** command creates one or more cropped surfaces in the same drawing as the source surface. **Crop Surfaces** creates new surfaces and does not alter the original surface. The cropped surfaces can be used for quantity calculations, to create a smaller surface, for alternative visualization, or for other purposes. If the source surface is updated, the cropped surface(s) can also be updated.

The **Crop Surfaces** command is developed and provided by WisDOT.

COMPANION DOCUMENTATION

YouTube Video Link: https://youtu.be/jqGFTCeVW-Y?si=uu3lnIKyrjsmoqZ9

USING THE COMMAND

1. Draw a closed 2D or 3D polyline representing an area to be cropped. The polyline can be precisely drawn, or it can encompass a general area, and extend beyond the surface boundary. (The **Crop Surfaces** command will automatically crop the surface at the intersection of the polyline and the source surface limits.)
2. Type **MDTCreateCroppedSurfaces** at the command line or press the **Crop Surfaces** ribbon button.
3. Select a surface.
4. Choose an option to select the polyline(s) [Individual] or [ByLayer].
    a. [Individual] Select individual polyline(s). (More than one polyline can be selected at once.)
    b. [ByLayer] Select a layer and all closed polylines on the layer will be used as boundaries when creating surfaces.
5. When the command asks to associate an alignment, choose [No]. (Choosing [Yes] is for a WisDOT specific workflow only.)
6. The surface(s) will be created and automatically named *<[Source Surface Name]>-Cropped<[next counter]>*.

To update cropped surface(s) if changes have been made to the source surface, **SAVE** the drawing to commit the source surface changes and rebuild the cropped surface(s).