MONTANA
Department of Transportation

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MDT Civil 3D State Kit - Floating Line - Curve

YOUTUBE VIDEO DOCUMENTATION

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OVERVIEW

The **Floating Line** command creates a line that is tangent to a selected arc, circle, polyline curve, or alignment curve. The line is displayed dynamically with the cursor position until the final end point is selected.

The **Floating Line** command is developed and provided by WisDOT.

COMPANION DOCUMENTATION

YouTube Video Link: https://youtu.be/iIhIja9wFrk?si=zCD-t9wjA6a7p_gA

USING THE COMMAND

1. Type **MDTDrawFloatingLine** at the command line or press the **Floating Line** ribbon button.
2. Select an arc, circle, polyline curve sub-entity, or alignment curve sub-entity to draw a line tangent from.
3. Click the end point for the line, or:
    a. Reverse: Reverse the direction of the line prior to clicking on the end point.
    b. TangentTo: Set the end point tangent to another arc or circle.
        i. Select the second arc, circle, polyline curve sub-entity, or alignment curve sub-entity.
        ii. All possible tangent lines will be displayed. Select the desired line.
    c. PerpendicularTo: Set the end point perpendicular to another arc, circle, line, polyline curve sub-entity, or alignment curve sub-entity.
        i. Select the second line, arc, circle, polyline curve sub-entity, or alignment curve sub-entity.
        ii. All possible lines will be displayed. Select the desired line.
4. Selected line will be created.