

Geolocation using Online Bing Maps

Overview: Use the Geolocation tools to display online Bing Maps in a georeferenced project. The online image can be captured and set to a high resolution to provide a useable plotted image quality.

Software: AutoCAD Civil 3D 2016, AutoCAD Geolocation Online Maps Hotfix, Iowa NRCS C3D 2016 template

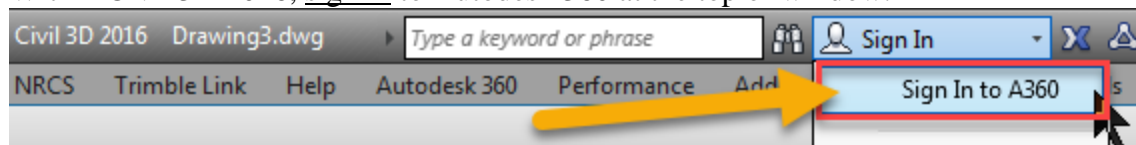
Prerequisite

Set the coordinate system for the drawing. (The Iowa template has this set.)

MAPCSASSIGN brings up the dialog box. (Iowa uses UTM83-15IF)

Import the survey points and zoom to the location of interest.

Within Civil 3D 2016, sign in to Autodesk 360 at the top of window.



The Sign in screen allows the user to **Create Account** if you haven't done so yet.

Insert and Adjust Bing Map Images

- 1) Click *Geolocation... Online Map... Map Aerial...* (or whichever type of map you want to see.) The map should display in your entire drawing area.
- 2) Click *Geolocation... Online Map... Capture Area...*
- 3) Click 2 corners for a rectangular area to have for an offline map. Set a size that will be large enough for your project.
- 4) Click *Geolocation... Online Map... Map Off...* (Now only the offline map will be showing.)
- 5) Select the edge of the offline map.
- 6) Click *Map Image... Properties...* change the *Optimal* to *Very Fine* to improve the resolution of the image.
- 7) Adjust any other properties for Fade, Brightness and Contrast.
- 8) If the image is covering other objects: Right-Click *Display Order... Send to back...*
- 9) The grips of the image can be used to resize the map.

An **online** image automatically adjusts resolution to the zoom level being viewed.

An **offline** image is saved as part of the drawing and affects the size of the dwg file. It maintains the image resolution that the user sets.