

Attaching Raster Imagery

Gather Information

What coordinate system does the survey data (base map) use?

Look at the GCS of the basemap DGN (Tools>Geographic>Select Geographic Coordinate System, Look at the Survey Data Notes, or Ask the surveyor)

What projection (coordinate system) does the imagery use - what are the units?

Open the *filename.format.xml* file in NotePad++

Download the image yourself and select a projection - recommend NAD83/OR State Plane N or S with units of feet

How are your Workspace>Preferences... set for Raster Manager category, Georeference tab?

Check on "Use Sister File, if Present, for Georeferenced Files"

Sister File Units should match the units of the image's GCS (you should check these prior to attaching a raster)

How to Attach References and Rasters to Reproject Correctly

1. Select the same coordinate system for the "D" file that survey used.

Save Settings

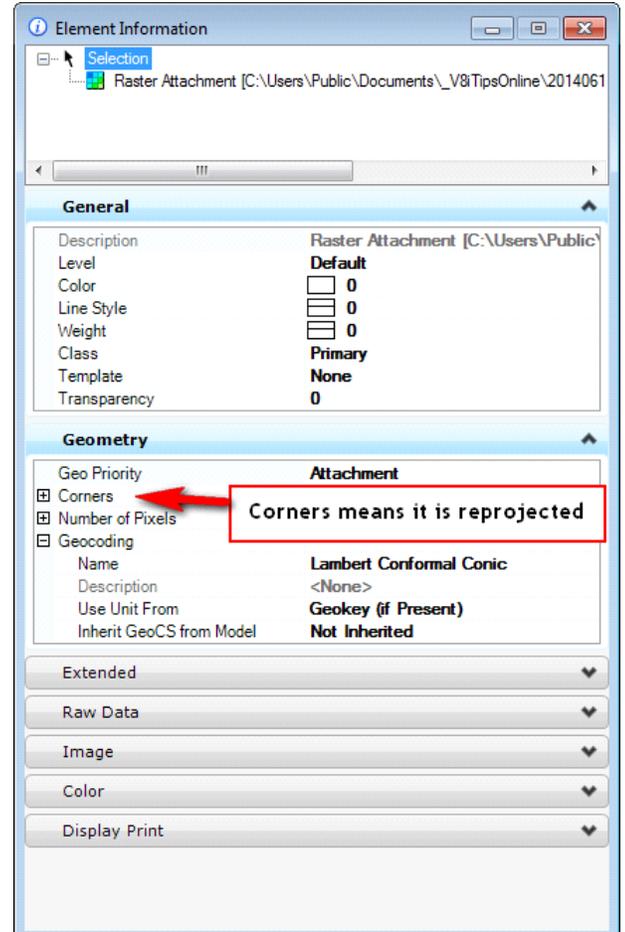
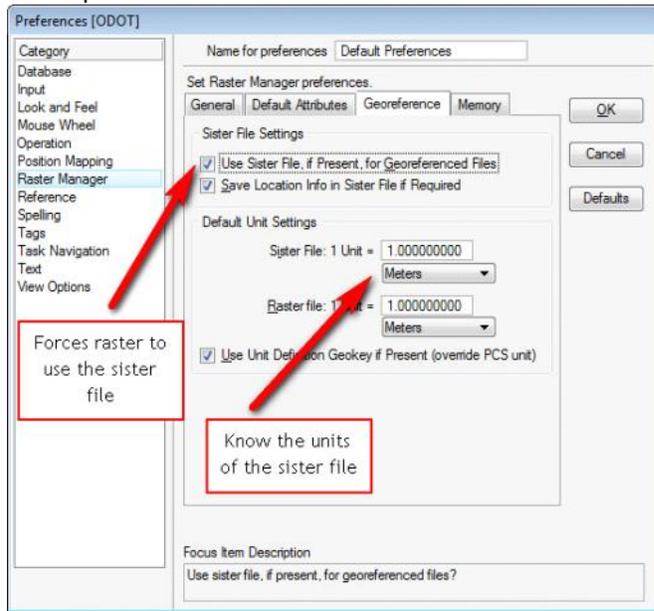
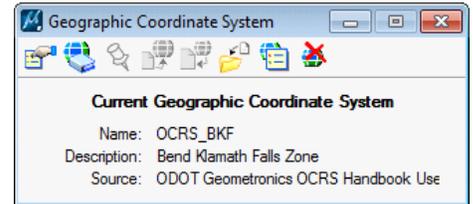
2. Reference Attach the "E" file

Use Coincident-World orientation if they have the same GCS or Geographic-Reproject if different.

3. Attach Raster Directly to "D" file or Create a Raster Reference (aerial.dgn) that has the direct attachment

Use information that was gathered

Workspace>Preferences - ensure Sister File Units are set correctly



When attaching, Uncheck "Read-only", ensure that "Place Interactively" is NOT checked.

4. Verify attachment by:

Looking at the Element Information

Checking that the image is located in the project area

Measuring the roadway width.

Remember that horizontal accuracy is +/- 6 m (19.7 ft) for NAIP imagery. Vector graphics from survey is "ground truth".

Limitations - You may not edit a reprojected raster image; if you wish to warp, move, or scale an image - attach it "Interactively".