

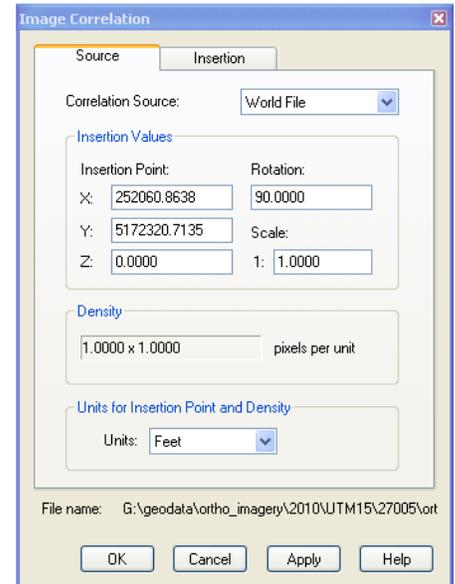
This guide covers the procedure for inserting georeferenced image files such as USGS maps and aerial photographs and objects from GIS shapefiles. This procedure assumes that the georeferenced images and GIS shapefiles are in metric format and that the Civil 3D drawing is in English units.

Make sure a coordinate system is assigned to the Drawing

1. Go to the Settings tab on the Toolspace.
2. Right click on the drawing name and select *Edit Drawing Settings...*
3. In the *Drawing Settings* window, go to the *Units and Zone* tab.
4. Select the coordinate system for the drawing from the list of available coordinate systems in the *Zone* section.

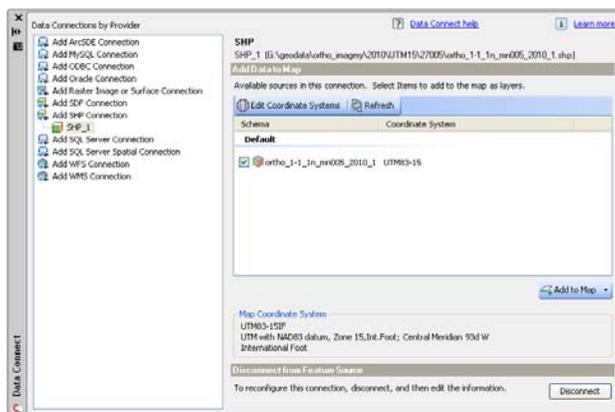
Inserting a georeferenced image into the drawing

1. On the bottom right of the screen click on  *Workspace Switching* and select *Task-based Geospatial*.
2. On the *Data* panel of the *Home* ribbon, select *Insert an Image...* 
3. Browse and find the image file that you want to insert into the drawing.
4. The Image Correlation window will appear next. Change the Units for Insertion Point and Density to Meters and leave the rest of the values in the window at their default values. Click on the OK button.



Inserting a GIS shapefile into the drawing

1. On the bottom right of the screen click on  *Workspace Switching* and select *Task-based Geospatial*.
2. On the *Data* panel of the *Home* ribbon, select *Connect*.
3. Select *Add SHP Connection*
4. Click on the  icon, browse to the shapefile that you want to import into the drawing, and click on the *Open* button.
5. Back in the *Data Connect* window, click on the *Connect* button.
6. The *Data Connect* window will appear to show the properties of the shapefile that you are connecting to. Check the coordinate system, and if it needs to be changed click on the *Edit Coordinate Systems* button and make the necessary changes.



7. Click on the *Add to Map* button to insert the shapefile into the drawing.