

Microstation Image Manager Training
VDOT Training Center – Chester – February 2006

Developing Scoping Level Sketches using
VGIN Orthophotography and Microstation Raster Manager

1. Use Terrain Navigator Pro software (or use the GIS Integrator to print the area of the aerial you needed into a pdf).
 - A. Export selected area of the USGS topographic map as a tiff file.
 - B. Import tiff file into word.
 - C. Delineate the project area and the limits needed for the digital orthophotography.

2. Complete the LD-393 form.
 - A. Typical project information – be sure to include Activity number.
 - B. L&D user instructions & VBMP license agreement.
 - C. Product desired – Digital Imagery (Image Format, Coordinate system, Stacey puts it on her shared folder).

3. Convert and combine the LD-393 & the word document into one pdf file.
 - A. E-mail to Stacey Roosa.
 - B. Stacey will reply via e-mail with the location of the image file.

4. Move the file to your local drive and choose a place to back it up on the H or I drive (Stacey and her Supervisor doesn't want these uploaded to Falcon).
 - A. Move the file to your local drive.
 - B. Put the file in the "view" folder where you would normally copy files from Falcon so you can reference it to your microstation file.

5. Create the microstation files you plan to use for a border and proposed improvements (i.e. edge of pavement, prop. r/w, etc.).
 - A. From either of these files, open the Raster Manager, click on the 'file' pull down and click 'attach'. This bring up a dialog box so you can navigate to the directory where the image is located and then select it.
 - B. Uncheck the box for placing the image interactively... this way the image comes in based on the coordinates you specified to Stracey. And uncheck the box for 'temporary attachment'. There are other ways to place the tiffs and we'll go through those. Then click okay.

6. Once you have the border the way you want it and have referenced your proposed improvements file you can go through Microstation print/plot to print to an HP plotter. There are several settings that we'll discuss that work with the brightness, contrast, and grey scale of the print.