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MADISON COUNTY, MISSISSIPPI
Orthoimagery Processing & Related Services Proposal
February 4, 2014

Introduction

This is the second consecutive county-wide 6" ortho project done in Madison County. During the first, the imagery was resampled to a courser 2' pixel in the rural areas, and 1' for the 1"=200' maps. This makes viewing and plotting much faster, however the quality of a 6" image is lost.

What is being proposed is to deliver two image sets for use in the AutoCad files. A compressed ECW file which will allow viewing of the 6" imagery and a resampled, courser set for plotting purposes.

There is a free software plug-in available for AutoCad that provides the capability of viewing ECW files. There have been some issues with this software however, and will need to be tested before being considered as the final solution.

Should the plug-in not provide adequate results, the County will need to purchase AutoCad Map software which provides the capability of viewing ECW files in the native program. This will require the set-up of the AutoCad and reinstallation of the various third party applications.

Services
1. Existing image tiles will be converted to RGB color format and removing the NCIR (near color infrared).
2. Mosaic the existing tiles and recut new tiles that match the existing map layouts in AutoCad.
3. Create ECW files from the new tiles for each AutoCad file.
4. Install and configure ECW software on PC's.
5. Resample the tiles to 2' resolution on 1"=400" maps, 1' on the 1"=200' maps, and the 1"=100' maps will remain at 6" resolution.
6. Insert the two image sets into each AutoCad map.
7. Correct the "Date of Photography" in the mapping title blocks.
8. Update the land use (cultivatable/uncultivatable) from the new photography.

9. Recalculate the soil breakdowns for parcels currently valued on an agricultural use basis (for the 2015 roll). This will require a QA/QC and update of the existing geodatabase.
10. Upload the resulting computations into the AS/400 appraisal file. (for the 2015 roll)
11. Update imagery on the website

Cost Summary

2014 roll

1. Image conversion– 945 tiles @ $1.25/tile=	$1,181.25
2. Mosaic and recut– 560 images @ $5.00/image=	$2,800.00
3. Create ECW files– 32 images @ $10.00/image=	$ 320.00
4. Install and configure ECW software on PC's=	$ 500.00
5. Resample tiles– 560 images @ $1.25/image=	$ 700.00
6. Insert images–	$ 200.00
7. Correct Date	$ 100.00
Data prep, copy, external drive, shipping	$ 350.00
TOTAL	$6,151.25

2015 roll

8. Update land use–	$2,500.00
9. Recalculate soils & geodatabase review/update –	$2,550.00
10. Upload computations–	$ 500.00
11. Update imagery on website	$ 500.00
TOTAL	$6,050.00

In the event AutoCad Map has to be acquired, DLT Solutions handles all AutoCad governmental map sales. Their telephone number is 888-447-2223. It has been a long period since I dealt with them but the last contact name I have is Vinnie Evans. If you upgrade, all of the Tri-State applications will have to be upgraded and installed. The additional fee to Tri-State is $1,500.