Aerial Imagery Management (AIM)

May 24, 2012

Project Summary

As part of the project management course, our team is required to manage a project, which is identified as the Aerial Imagery Management (AIM) project for OAE. Project documentation must be created and presented in a formal manner to class members and other guests. The AIM analysis is being developed to provide information for OAE to determine the best course of action to preserve the vast collection of aerial images. Since all images are public record, by federal law images must be made available to the public. Currently images are stored on film and must be scanned into a digital format in order to create the products available to customers.

Project Goal

The Office of Aerial Engineering would like to have all images scanned at a high resolution. Testing performed by Subject Matter Experts revealed that the optimal resolution would be 21 microns. This micron size would allow for close to 90% preservation of the original image. Because images will be strictly used to fill customer orders and not mapped from, this resolution is acceptable. Storage space was also a factor used to determine micron size. It is estimated that a 21 micron images would be 30mb. These high resolution images will be stored in a Tiff format. Once all film is scanned and saved in digital format, film rolls will no longer be needed.

Project Outcome

Our team will create a Needs Analysis that will present cost and time comparison between scanning images in house versus out sourcing work. Project documentation and presentation will be completed May 24, 2012.

Project Benefits

The ODOT Office of Aerial Engineering has an extensive collection of historical aerial images currently stored on film that they would like to have digitized. Digitizing film would enable them to dispose of old brittle film and preserve aerial images in electronic format. OAE is currently performing all aerial imagery and storing images digitally and would like for all images to be in the same format. The Office of Aerial Engineering's eventual goal is to have these digital images available online for customers to view and order electronically. Once all images are scanned, this second phase can begin.

Project Team

For more information about this project, contact team members

- Jana Edmunds — Jana.Edmunds@dot.state.oh.us
- Eddy Dupree - eddy.dupree@jfs.ohio.gov
- David O'Reilly - DTOReilly@dps.state.oh.us
- Mark Gall - Mark.Gall@dot.state.oh.us
- Thomas Waller – Thomas.waller@epa.state.oh.us
- Mentor – Coach: Nelson Gonzalez