

Land Information

Minutes for Feb 23, 2012 1:30 PM

Courthouse A260-moved to County Board room for internet presentation

Chair Al Sebastiani called the meeting to order. The meeting was properly announced

Roll Call: Jodi Helgeson, Bill Parr, Phil McLaughlin, Tyler Grosshuesch, Trena Larson, Cindy Phillippi, Pat Kotlowski, Greg Rhinehart and Al Sebastiani. Guest was Scott Kiley of MSA.

Motion by Phil, seconded by Bill to approve the agenda. Motion carried unanimously.

Motion by Bill, seconded by Pat to approve minutes. Motion carried unanimously

While web map presentation was being set up, Jodi reported on 2011 & 2012 WLIP grant. 2011 grant project (scanner setup and preparation for County Surveyor project) is in progress. Jodi is waiting for second quote on scanner that is less money but will still meet the department needs so that we will have some money possibly for someone to do the scanning. 2012 grant applications came out this week. Adams County is on course to receive \$10,178 in base budget grant and \$300 education grant. Concern expressed that state is borrowing from 2013 anticipated revenue for 2012 grant. Also, Jodi reported that WLIP program funds were lapsed to state general fund even though many organizations wrote letters of concern to Dept of Administration and Joint Finance members.

Tyler presented a report on GIS activities:

Redistricting, parcel mapping including year end, LiDAR data, conference attendance

Working with Dan Hansen and Matt Bremer on ArcGIS 10, new laptop; Dan attended ArcGIS workshop.

Tyler brought committee up to date on LiDAR project. Issue with deliverable was resolved. We will be purchasing 3- D analyst software to perform analysis on data. It was anticipated that we would be needing this for other projects as well. Tyler also is planning on attending a LiDAR workshop offered at the Land and Water Conservation Convention in March. He is also working with other counties that have had these projects in the past.

Jodi reported that we paid \$25,684 back to county for mapping project loan. We have \$53,594.37 left to pay. Report was given to County Board. Planning and Zoning committee had made recommendation that Tyler do a GIS presentation to new County Board.

Scott Kiley gave presentation of updated web map viewer. Format for viewer is changing due to software change. New site is more flexible for configuration by county staff and more responsive. Works in similar fashion as Google maps. One noted change will be how mailing labels are created. Still simple but an additional step will be involved. Implementation for web map viewer is anticipated to be completed by end of March. Scott will work with Tyler to review format. Discussion on whether county wants to keep two different viewers or move forward with a paid subscription viewer. Right now, there are about 20 test users for subscription site at no charge. Need to put some figures together for revenue vs cost.

Roundtable: Bill – market is active but there is concern over gas prices affecting market; Tyler – shared some screen shots of what LiDAR data looks like; Trena – very interested in LiDAR and how it would help Adams County; Jodi – status of AB303 (Comp Planning legislation) and how it may affect program monies; Greg – wants to get section corners out for public to use. Commented on cost for landowners of incorrect FIRM's; Phil – real value in LiDAR is to have updated FIRM's, maybe have a letter go to DNR with legislators copied to indicate how important this is and cost to landowners in not having correct FIRM.

No meeting date was set. Jodi will send out Doodle Calendar as she did last time. Proposed for sometime in May.

Motion by Tyler, seconded by Phil to adjourn

Meeting was adjourned at 3:00 PM

Respectfully submitted,

Jodi Helgeson-Acting Secretary

Land Information Committee GIS report – February 23rd, 2012

Recent activity

- Parcel mapping / tax map prints
 - New map for assessors and towns, with aerial imagery
 - Finished printing tax map updates
- Redistricting / elections
 - Corrected ward boundaries that were based on inaccurate census data
 - Assisting Clerk's office as needed
 - Maps for polling places
- Received lidar elevation data - more on this next on the agenda
- Received new Land Use data from NCWRPC (free)
 - Based on summer 2010 USDA NAIP imagery
 - Updates the 2005 land use layer
- Imagery available to view on the web and for use in maps from DigitalGlobe, Bing Maps
 - Most recent available - August 2011 (see jet crash picture)
 - Available for purchase (\$6550.40 base price, plus options)
- Attended two conferences
 - WI Society of Land Surveyors Institute
 - WI Land Information Association, did a presentation on emergency response GIS
- Developing GIS in Planning & Zoning
 - Dan Hansen attended GIS training at UW
 - Matt Bremer and Dan have ArcGIS 10 installed on their computers
 - Planning to pass my old laptop to Dan soon, now that I've received a new one
- Updating / developing data maintenance scripts
 - Weekly data maintenance and backup
 - Weekly send web map updates to MSA
 - Every 2 weeks put a copy of the GIS database on the MSA FTP site for off-site backup
 - Keep data on laptops fresh

Upcoming activity

- Plat book (probably)
 - 4H plat book committee requesting a commitment by late April
 - Updating the book will be much less work than creating the book
 - 4H knows there won't be a not-to-exceed clause
- Effort to move to more digital parcel mapping methods
 - Promote the use of digital maps (especially the new web map)
 - Work with Sue to develop digital methods
 - Should make her job and mine easier
 - Training required
 - Planning changes, but being thoughtful and deliberate
- Attend lidar user group meeting at WALCE

Update on lidar project

- Generally very good data
 - County-wide vertical accuracy of 0.4798 ft at 95% confidence
 - At test points, vertical accuracy 0.245 ft (RMSE)
- Vendor accommodating most requests for changes
- Error in contract related to one dataset (TIN) led to a dispute with the vendor
 - The TIN is one of the less important derived datasets
 - The contract specified delivery in the wrong data formats
 - The dispute centered on how the TIN should be delivered
 - data format?
 - resolution - reduced resolution or full resolution?
 - received a full resolution TIN in ESRI ArcGIS Terrain format, which requires additional software (3D Analyst) to use
 - received a reduced resolution TIN in ESRI ArcGIS TIN format, which is more usable than the Terrain with existing software, but many applications still require 3D Analyst
- Managing the contract and the project required significant time, mostly due to the error in the contract
- Data review and QC is ongoing and requires significant time
 - Concerns being discussed with other users and the vendor
 - Receiving help from more experienced contract managers and lidar users
 - NCWRPC - Andy Faust
 - USDA NRCS - Kent Pena, Adolfo Diaz
 - WIGICC Elevation Committee conference calls
 - lidar user meetings at WLIA and WALCE
- Software purchase required - budgeted for purchase of ArcGIS 3D Analyst
- Other software being evaluated and may be necessary to make full use of the data
 - LASTools
 - command line programs with many features under very active development
 - some are open source, some are closed source commercial programs
 - list price is \$4000, an unknown reduced price for local government (suggestion - \$2250)
 - these tools combined with a free viewer makes is the cheapest option
 - LP360
 - \$3k, 6k, 9k options - the most expensive option is the most useful, of course.
 - good local user community
 - simpler to learn than LASTools
 - integrates with existing ESRI ArcGIS software