



Champaign County
City of Champaign
City of Urbana
University of Illinois
Village of Rantoul
Village of Mahomet
Village of Savoy

CCGIS Quarterly Update

2015 – Quarter 4

Meeting Summary

There were not any technical representative meetings in the 4th Quarter of 2015.

Updates

CCGIS Website

CCGIS staff completed programmatic and design changes to the CCGISC Public Interactive Map (www.maps.ccgisc.org). Many of the changes were made to incorporate user requests/suggestions and ADA Web Content Accessibility Guidelines (WCAG) 2.0 compliancy standards. While the general functionality of the website remains the same, there have been alterations to the interface. In addition, a number of new features were added to provide users with more options and greater flexibility. Shapefiles files may now be uploaded and overlaid on the map, a swipe tool allows users to compare two years of ortho-imagery, and more options are available in the drawing mark-up tools. A bullet list of the changes can be found in our [New Features](#) document.

ADA Compliancy

The CCGISC website was provided to the outside consultant for its second review. It was noted that the majority of the findings in the original report were remedied and there were not “... *any showstoppers or significant issues that would prevent visitors from using the site.*” Where possible, staff is working to correct the remaining issues. It is likely the site will be provided to the consultant for a third and hopefully final review sometime in the first quarter of 2016. Website compliancy reviews will likely need to occur on an annual basis to ensure any added functionality or content meets the WCAG 2.0 ADA requirements.

ArcReader to ArcGIS Online Application Migration Progress

The County Highway Department’s ArcReader was replaced with an ArcGIS Online application. Training for the ArcGIS Online application was provided to the Highway Department prior to the migration. The Village of Savoy migration is next on the list and is expected to occur in the second quarter of 2016. In addition, CCGISC plans to work with the Sheriff’s Department to test whether the wireless connection speeds on their laptops will support the migration from ArcReader to an ArcGIS Online application.

Street Centerlines

As mentioned in the [2015 - Quarter 1](#) update, one of the 2015 work plan tasks was the removal of unnecessary vertices from the street centerline layer. The task was completed however; changes made to the street centerline layer have direct impacts on the fire and police response zone (RZ) polygon layers used by METCAD for dispatch purposes. While METCAD maintains the RZ layers, the edits to the street centerlines were so extensive that CCGISC staff worked with METCAD to redraw the RZ polygons. Once METCAD reviews the RZ polygons, the updated street

centerlines and RZ polygons will be actively used by METCAD. During this process, CCGISC staff had the opportunity to develop quality control (QC) documentation and scripts that will assist with the long-term topologic integrity of the RZ layers. The QC processes be run on RZ layers annually.

Parcel Fabric

As mentioned in a previous update, CCGISC tested ESRI's Parcel Fabric in 2015 using Mahomet Township. Maintaining parcel data in the Parcel Fabric offers a wide variety of advantages, such as the storage of COGO data however, migrating the data will require changes to the data structure, editing processes, and quality control procedures. A meeting with the technical representatives will be held in second quarter of 2016 to discuss the feasibility of moving the parcel data to the Parcel Fabric.

General ArcGIS Online Applications and the Collector App

CCGISC has built a few publically available ArcGIS Online (AGO) applications. Applications include the Gifford Tornado, Ortho and Contour Tile Index, Political Districts, and Sales and Assessed Values. The applications can be accessed from <http://ccgisc.maps.arcgis.com/home/index.html>.

CCGISC staff have configured several AGO maps for use with the ESRI Collector app. Through the Collector app, field information can be captured and edited in real-time using a mobile device (smart phone or tablet) that are connected to the internet. CCGISC encourages the use of AGO Online and the Collector app for field data collection projects. A presentation that provides an overview of how to leverage ArcGIS online and the ESRI Collector app for field collection will be held in the second quarter of 2016.

Local Contracts

CCGISC staff is working on a couple of new projects for Piatt County. Projects include the mapping the critical facilities for Piatt County EMA and the creation of an automated tool that calculates the acreage of a parcel within a specific land use and soil type.

Work Plan Status Report

The Work Plan Status Report is provided on the following page. As always, updates are provided in **bold**.

FY2015 Work Plan Status Report

Task		Status
2015 Improvement Tasks		
Automate Technical Services Contract		
1-A	Automate the Generation of Technical Services Contract Invoices	postponed to FY2016
Comprehensive Review of Annexation Layer		
2-A	Review drawn annexations from 1950 through date	in-progress, anticipate completion in FY2017
Update Corner/Corner Coordinate/Monument Feature Classes		
3-A	Obtain new tie/monument sheets recorded since 2004	completed in FY2014
3-B	Hyperlink available tie-sheets to Corner Feature Class	completed in FY2014
Investigate/Implement Parcel Fabric		
4-A	Investigate feasibility of implementing ESRI parcel fabric tools for cadastral (parcel) mapping	complete
4-B	Test/Migrate data to Parcel Fabric	complete
Development of Formal Workflow and Quality Control Procedures		
5-A	Refine Tax Cycle workflow, QC processes and GIS calendar timeframes	ongoing; refinements are periodically made
Review and Update the SDE Database Design		
6-A	Review the Corner/Corner Coordinate/Monument feature classes, i.e. fields, domains, etc.	in progress; anticipate completion in FY2015
6-B	Review the Transportation feature dataset	began in FY2015; to be completed in FY2016
2015 Work Plan Tasks		
County-wide Addressing Project (Continued from FY2014)		
FY14-A	Compile Master Street List for all Communities in County	complete
FY14-B	Compose and Approve Address Standards Document	complete - approved by Consortium
FY14-C	Launch First Versions of Address Maintenance Web Application	complete
Clip and Ship (Download) WebMap Interface		
1-A	Develop and deploy web-based interface that allows customers to select, download and pay for GIS data layers.	complete
Alter Street Centerlines		
2-A	Remove unnecessary vertices from street centerlines	complete
2-B	Update street centerlines to include routing information	began in FY2015; to be completed in FY2016
Develop/Implement ArcReader Replacement		
3-A	Investigate Possible ArcReader Replacement	complete - decided on ArcGIS Online Application
3-B	Implement ArcReader Replacement	deployed 3 applications; to complete in FY2016
Gather and Distribute Historic Aerial/Ortho-imagery		
4-A	Process 1-set of historic imagery for Champaign County	needs to be outsourced; dependent on funding
4-B	Gather Historic Imagery Sources and list in Historic Imagery Spreadsheet	ongoing
2015 Contract Tasks		
1-A	Piatt County	on going - general GIS tasks
1-B	Village of Mahomet	on going - general GIS tasks
1-C	City of Champaign	on going - general GIS tasks

Status updates found in **bold**

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