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

CCGISC Quarterly Update

2015 - Quarter 2

July 2015

Meeting Summaries

Addressing Standards Adoption Meeting – Tuesday, June 23, 2015

Entity Attendance:

- City of Urbana
- City of Champaign
- Village of Rantoul
- County (CCGISC)

Other Entities: METCAD

Summary:
The meeting discussions focused on 1) increasing the exposure of the Addressing Standard document to non-member agencies and 2) the adoption of the Standards by the member agencies.

Address Standard Exposure
The METCAD Policy Committee meetings include attendees from non-*CCGISC* member agencies. The Addressing Group attendees agreed that an addressing standards presentation at an upcoming METCAD Policy Committee *(September or later)* would help to increase exposure. In addition, CCGISC and METCAD decided to compose a joint letter outlining the benefits of adopting the standards. This letter would be composed after the presentation and forwarded to each of the addressing authorities within Champaign County.

Address Standard Adoption Process
Urbana, Champaign, Rantoul, and the County representatives agreed to discuss possible adoption scenarios within their respective organizations. An email containing the results of the discussions was forwarded to the Addressing Group on June 26, 2015. Urbana plans to adopt the Incorporated and Unincorporated CCGISC Addressing Standards as part of their Policy and Procedures Manual. The County does not require a formal adoption process to adhere to the Standards as they comply with County Resolution 3158 - *Establishing a System of Rural Addressing and City Address Service Areas.*

CCGISC Technical & Work Plan Meeting – Monday, July 6, 2015

Member Agency Attendees:

Sanford Hess	City of Urbana
Ben Fisher	City of Urbana
Chad Kupferschmid	University of Illinois
Nicole Barbiaux	Village of Mahomet

Other Attendees:

Leanne Brehob-Riley (CCGISC Director), Nicole Darby (CCGISC Technician)

Summary:

The meeting resulted in a list of prioritized tasks, projected over a three year period, to be included in the 2016 Work Plan and Report. Time estimates and an anticipated completion dates were provided for each task by CCGISC staff after the meeting. In addition, CCGISC staff suggested four (4) changes to the task list. A memo containing the final version of the task list was emailed to the CCGISC Technical and Work Plan representatives on Monday, July 9th and is provided at Appendix A.

Meeting attendees also discussed the option of a having an in person Technical Representative meeting at least once a year. It was decided that late spring/early summer would be a good time to hold an annual in person meeting.

Updates

2016 Work Plan and Report

The FY2016 Work Plan and Report was approved on July 17, 2015 by the CCGISC Policy Committee and posted to the CCGISC website.

Addressing Initiative

Addressing Interface

CCGISC and the City of Champaign worked together to find a solution that would allow the City of Champaign to edit its addresses using the Addressing Interface. To date, the Village of Rantoul, City of Champaign, City of Urbana, the County, and Mahomet (via CCGISC staff) edit their address data using the Addressing Interface. Outreach will continue to the smaller communities and remaining member agencies.

CCGISC Website and Accessibility Requirements

Champaign County was randomly selected for an Americans with Disabilities Act (ADA) audit which resulted in an ADA settlement agreement. As part of the settlement agreement, County websites need to meet the Web Content Accessibility 2.0 Guidelines (WCAG 2.0). Members of the CCGISC staff have undergone training and are updating the CCGISC website to make it WCAG 2.0 compliant.

Parcel Fabric

CCGISC is the process of testing the Parcel Fabric using Mahomet Township. Throughout the year, parcel changes within Mahomet Township will be edited within the Fabric. Our goal is to make an informed migration recommendation to the CCGISC member agencies in late 2015 or early 2016.

GIS Recording Fee

The Champaign County GIS Consortium is primarily funded by the contributions of the seven member agencies. Over 60% of the member contributions are provided by Champaign County. The County's principal funding source is the GIS recording fee, a funding mechanism established by the State of Illinois in compiled statute 55 ILS 5/3-5018 to assist with the creation and maintenance of a county-wide GIS. Since FY2003 the county has experienced an overall decreasing trend in the number of recorded documents. Due to the decline in number of recorded documents, the revenue generated by the GIS recording fee is less than the County's annual CCGISC membership and orthophotography assessments. The CCGISC Policy Committee approved CCGISC funds be used to acquire a cost study analysis to assess the justification of an increase in the GIS recording fee.

ArcReader to ArcGIS Online Application

The previous update *(Q1-2015)* stated that ESRI no longer plans to release updates of ArcReader; this was incorrect information. While ArcReader updates continue to be released with new versions of ArcGIS Desktop, ArcReader is an old technology that is cumbersome for CCGISC staff to maintain. CCGISC will continue the process of migrating ArcReader to ArcGIS Online Applications.

Migration Progress

The second ArcGIS Online (AGO) application was created and released to the Champaign County Clerk. As time permits, staff will continue to migrate ArcReader to AGO applications.

Work Plan Status Report

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

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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, anticpate 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	in-progress
4-B	Test/Migrate data to Parcel Fabric	test Mahomet Township in FY2015 - in progress
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; antipate completion in FY2015
6-B	Review the Transportation feature dataset	begin in FY2015
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 Verions 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.	download site complete; **in progress; anticipated completion FY2015**
Alter Street Centerlines		
2-A	Remove unnecessary vertices from street centerlines	**in-progress; anticipate completion in FY2015**
2-B	Update street centerlines to include routing information	begin in FY2015
Develop/Implement ArcReader Replacement		
3-A	Investigate Possible ArcReader Replacement	complete - decided on ArcGIS Online Application
3-B	Implement ArcReader Replacement	to complete by FY2016; **deployed 1st application to County Assessor's office**
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

Updated to include FY2015 Improvement, Work and Contract Tasks
*Status updates found in **bold***

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To: CCGISC Technical and Work Plan Representatives

From: Leanne Brehob-Riley, GIS Director

Date: July 9, 2015

Re: 2016 – 2018 Work Plan Tasks

The meeting of the CCGISC Technical and Work Plan representatives held on Monday, July 6th resulted in a list of prioritized tasks many of which will be included in the 2016 Work Plan and Report. The 2016 Work Plan and Report will contain tasks projected over a three year period. After the meeting, a time estimate and an anticipated completion year were provided for each task. In addition, the results were reviewed and discussed with the CCGISC staff. Upon internal discussions, the following changes were made to the list.

1. Maintain the existing task categories of Core, Work Plan and Improvement rather than combine Work Plan and Improvement tasks into a single category.
2. Addition of two tasks - *Automate Technical Service Contract Invoices & Migrate Sales Database to SQL Server*. These tasks were part of the 2015 Work Plan and Report but, were not completed due to the programming demands of the Addressing Interface. Both tasks will increase staff efficiency and ensure records are stored in a central location. These tasks are slated for completion in 2017 and 2018 respectively.
3. Shift four (4) of the priority 1 (high) to a 2015 completion date - T*est Parcel Fabric, Automate Data Requests and Sales, Automate Geolocator Updates,* and *Update Webmap AMD*. These tasks are highlighted in gray in the list provided on the following page and will not be included in the 2016 Work Plan and Report.
4. Absorb four (4) of the discussed task to Core services - *Hyperlink/Attach Critical Building Plans to Parcels/Building Footprints, Update Census Data, Hyperlink/Attach Assessment Photos & Sketches to Parcels, and Obtain Vendor to Process Historic Orthophotography.* These tasks will take minimal staff time and are of value to the member agencies.

For more details, please see the 2016-2018 Work Plan Tasks table provided on the following page.

2016 -2018 Work Plan Tasks

Project Number	Project	Description	Priority (1 high - 3 low)	Anticipated Completion Date	Time Estimate (weeks)
C-1	Hyperlink/Attach Critical Building Plans to Parcels/Building Footprints	Update as receive from EMA	2		0.0
C-2	Update Census Data	Update existing database with ACS data	3		0.0
C-3	Hyperlink/Attach Assessment Photos & Sketches to Parcels	Update as receive from Assessment Office	Unrated		0.0
C-4	Obtain Vendor to Process Historic Orthophotography	Complete upon availability of funds	Unrated		0.0
I-1	Test Parcel Fabric	ESRI has developed the Parcel Fabric, migrating to this data structure may allow us to map the cadastral data more effciently - validity of this technology needs to be investigated	1	2015	0.0
I-2	Automate Data Requests and Sales	Develop CCGISC webpages to support the automation of data sales and requests	1	2015	0.0
I-3	Automate Geolocator Updates	Write a Python script to automate the process of rebuilding the Geolocators	1	2015	0.0
I-4	Update Webmap AMD	Update the AMD (Asychronous Modular Definition), necessary to update API	1	2015	0.0
I-5	Develop Address QC scripts	Develop QC tasks that validate address database integrity i.e. proper jurisdication, parcel numbers	1	2016	5.0
I-6	Implement Parcel Fabric	Implement the parcel fabric should it be concluded that migrating to the Parcel Fabric is a viable option at the end of 2015	1	2017	18.0
I-7	Make CCGISC Websites Accessible	ADA WCAG 2.0 AA Web Compliancy	1	2015/2016	3.0
I-8	Develop Guest Viewer for Addressing Website	Provide read-only access to Address Interface	2	2017	4.0
I-9	Create ISO Metadata	Migrate existing metadata to ISO metadata; complete metadata for all layers	2	2018	15.0
I-10	Automate Technical Service Contract Invoices	Create SQL database backend and web interface front end to generate invoices	Unrated	2017	4.0
I-11	Migrate Sales Database to SQL Server	Create SQL Server database and transfer sales data from Access; Develop database interface	Unrated	2018	6.0
W-1	Develop AcrGIS Online Applications to replace ArcReader	Develop AcrGIS Online Applications to replace ArcReader	1	2016	2.0
W-2	Reconcile Address data between existing County-wide databases	Compare and Reconcile County Clerk Address Database Comparison to Centralized Address Database	1	2016	3.0
W-3	Add Impedance Attributes need for Routing to Street Centerlines *(one-way, speed limits, stop-lights, stop signs)*	Gather impedence data from various sources and add to street centerlines.	1	2016	4.0
W-4	Remove Vertices from Street Centerlines	Remove z-value vertices in each street centerline segment	1	2016	6.0
W-5	Map Drainage Tiles	Map Drainage Tiles from historic drainage district maps	1.5	2018	7.0
W-6	Map Drainage Districts and Sub-Districts	Map Drainage Districts	1.5	2018	27.0
W-7	Add Theoretical Address Ranges to Street Centerlines	Develop script to add theoretical address ranges; street centerlines to contain both actual and theoretical address ranges	2	2016	3.0
W-8	Develop of Web Apps	Develop Web Applications that pertain to entire county i.e. Construction, Polling Places	2	2018	4.0
W-9	Map Surveys with Hyperlinks to Survey Documents		3		0.0
W-10	Centralize Storm Layer *(similar to sanitary sewer)*		3		0.0
W-11	Load CCGISC data to ESRI Community Base Map	• Seamless basemap with rich/professional cartography that doesn't stop at your organization's borders • Users inside and outside of your organization, including the local business community and the general public will be able to use the online maps with ArcGIS Server Web mapping applications, or a standard Internet Web browser. • Eliminates the costs associated with making the data widely available, such as setting up and maintaining the infrastructure. • Map data is hosted and maintained by Esri at one or more data centers in the U.S. to ensure high availability and performance. • Your organization retains all ownership of its data. • Esri can provide the data in ArcGIS Server map cache format that your organization can publish for internal use with ArcGIS Server	3		0.0

NOTES:

- Tasks developed with input from Technical and Work Plan Committee Member Representatives
- Tasks were numbered with a category by GIS Director - Core (C), Improvement (I), or Work (W); Core tasks are to be absorbed into Consortium Core services
- Task are ranked with a priority between 1 and 3; 1 being the highest
- Tasks highlighted in gray are anticipated to be complete prior to the end of 2015 and are not included in 2016 Work Plan and Report
- Tasks highlighted in green were given a priority of 3 and are not included in the 2016 Work Plan and Report

Champaign County GIS Consortium
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