



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

## CCGIS Quarterly Update

2018 – Quarter 1

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### Meeting Summaries

There were not any Technical Representative meetings in the 1<sup>st</sup> Quarter of 2018.

### Updates

#### *Parcel Fabric*

CCGIS staff completed the migration to the Parcel Fabric. All Property transactions are now tracked within the Parcel Fabric. While the actual migration is complete, additional steps in this transition include the development of 1) editing procedure documents and 2) scripts to export the information maintained in the Parcel Fabric to the CCGISV database. In addition, staff continues to learn and become more efficient at editing with the Fabric. CCGISC staff prepared for this migration and attempted to anticipate possible issues, however, as with all major transitions, there are likely to be some bumps and unintended consequences to work through this year – your patience is appreciated.

#### *Address Database Reconciliation*

No new updates are available for this task. See the CCGISC Quarterly Update from the 3<sup>rd</sup> Quarter of 2017 for the most recent update.

#### *LUCA*

CCGIS received the LUCA data in early March. Staff is currently reviewing the addresses and working with the villages and cities within Champaign County to answer questions and resolve issues. Once the process is complete, an invitation to review the findings will be extended to the addressing contacts at each member agency. The review must take place within the CCGISC office and, all reviewers will be required to sign the US Census Bureau's Confidentiality Agreement.

#### *Sanitary Sewer*

The Innovyze modeling software purchased by the Urbana-Champaign Sanitary District (UCSD) and participating UCSD agencies requires a regularly updated sanitary sewer system-wide map. Due to errors and inconsistencies between and within each of the agencies sanitary sewer GIS layers, the creation of a seamless system-wide map requires a significant amount of manual effort. As a result, CCGISC developed data import and quality control (QC) scripts. The import script combines each agencies sanitary sewer data layers with the data edited directly in the CCGISV Enterprise Geodatabase. The QC script iterates through the imported feature layers, tests for specific errors, and writes the errors to a file geodatabase specific to each entity. CCGISC staff completed the first version of the quality control script based on input received at the November 14, 2017 Sanitary Sewer meeting. CCGISC provided the participating agencies an explanation of the QC checks, entity specific error geodatabases, and instructions via an email on March 26, 2018.

## *Parcel Genealogy*

The Assessment office continues to review and correct data integrity errors found within the parcel genealogy. As mentioned in the 2017 Quarter 4 update, this is a time-consuming task. Rather than wait to release the tool, the Assessor agreed to provide the member agencies access to this tool prior to completing the error corrections. An email announcing the release of tool will be forwarded to the CCGISC Technical Representatives early in Quarter 2 of 2018.

## *Drainage Districts*

No new updates are available for this task. See the CCGISC Quarterly Update from the 4<sup>th</sup> Quarter of 2017 for the most recent update.

## *Disaster Recovery - Microsoft Azure*

No updates are available for this task. As reported in the 4<sup>th</sup> Quarter of 2017, current and upcoming demands on the County IT and the CCGISC (Parcel Fabric, LUCA, etc.) pushed the start of the implementation process to the 3<sup>rd</sup> Quarter of 2018.

## *CCGISC Policy Items – April 20, 2018*

The Policy Committee is working to update the language in Section 15 and Section 19 of the CCGISC Intergovernmental Agreement (IGA) with the intent of providing a reasonable membership cost/benefit price point for incorporated areas within Champaign County with a population less than 5,000.

## *Work Plan Status Report*

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

## FY2018 Work Plan Status Report

Task	Status
<b>2018 Improvement Tasks (Short-term)</b>	
<b>Implement Parcel Fabric</b>	
1 Migrate parcel layers to Parcel Fabric	<b>migration complete;</b> <b>to complete update QC and data scripts end of Q2</b>
<b>Software Upgrades</b>	
2 ArcGIS Server 10.5.1 Upgrade & Installation of ArcGIS Portal 10.5.1	<b>upgrade complete;</b> <b>to complete Portal implementation end of Q3</b>
<b>Implement Long-term Technology Plan</b>	
3-A Implement 1-2 year plan objectives	in progress; implement Microsoft Azure in Q3 of 2018
3-B Implement 3 year plan objectives	to complete by 2020
<b>Create ISO Compliant Metadata</b>	
4-A Update existing metadata to be ISO compliant	in progress; to complete in FY2018
4-B Create ISO compliant metadata for other layers	in progress; to complete in FY2018
<b>ESRI Data Models</b>	
5 Investigate and Implement Data Models; specifically feasibility of sanitary sewer data model	to complete in FY2019
<b>Automate Technical Service Contract Invoices</b>	
6-A Create Relational Database	delayed; waiting to determine when/if County implements new system
6-B Create web-based interface that includes invoice generation	delayed; waiting to determine when/if County implements new system
<b>Migrate Sales Database to SQL Server</b>	
7-A Migrate the existing Access relational sales database to SQL Server	to complete in FY2018
7-B Create a web-based interface	to complete in FY2018
<b>2018 Work Plan Tasks</b>	
<b>LUCA - Local Update of Census Addresses</b>	
1 Compare CC-RAD addresses residential addresses to LUCA addresses and report findings to US Census Bureau	<b>in progress; to complete in Q2</b>
<b>ESRI Linear Referencing for Roads and Highways</b>	
2-A Review Transportation feature dataset	to complete in FY2018
2-B Research and, if feasible, implement ESRI Roads and Highways linear referencing system	<b>in progress; to complete in Q2</b>
2-C Gather impedance and jurisdiction data	to complete in FY2018
<b>Public ArcGIS Online Web-Applications</b>	
3 Continue to develop public ArcGIS Online web applications i.e. polling places, construction	to complete in FY2019
<b>Parcel Genealogy</b>	
4 Create web-based interface and/or reports leveraging the genealogy database	<b>complete; distribute in beginning of Q2</b>
<b>Map Drainage Districts and Subdistricts</b>	
5-A Begin pilot project utilizing Circuit Clerk documents	<b>complete</b>
5-B Map drainage districts - county-wide	to complete in FY2019; <b>7 main drainage districts &amp; 20 sub districts complete</b>
<b>Map Drainage District Tiles</b>	
6 Utilize Circuit Clerk documents to map original location of drainage tiles	to complete in FY2019
<b>Reconcile Drainage Districts and Sub-districts</b>	
7 Reconcile Drainage Districts and Subdistricts with appropriate county offices	to complete in FY2019
<b>Update StreetCenterline 100-block Data on Even Side of Roadway (FY2017 work plan task)</b>	
8 Manually update the even 100-block <i>from</i> address range field where appropriate	<b>to complete in Q3 of 2018</b>
<b>2018 Contract Tasks</b>	
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
1-D Urbana Champaign Sanitary District	on going - general GIS tasks

Status updates found in **bold**

Revised April 2018

### Champaign County GIS Consortium

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