



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

CCGIS Quarterly Update

2016 – Quarter 2

Meeting Summaries

Sanitary Sewer Meeting – Monday, May 16, 2016

Entity Attendance:

Village of Savoy, University of Illinois, City of Champaign, City of Urbana, UCSD

Summary:

The purpose of the meeting was to review the schema of the sanitary sewer feature dataset and resolve ownership issues near jurisdictional boundaries where multiple entities claimed ownership of the same sanitary feature.

The differences found within each entities sanitary sewer feature dataset and its impact on the creation of an overall system map was discussed. The entities agreed to make the necessary edits needed to bring the schemas into agreement. The ownership issues were reviewed one at a time; many were corrected while others required additional research. After the meeting, a follow-up email was forwarded to the attendees. The email contained a shapefile of the unresolved ownership issues and a spreadsheet outlining the schema changes.

CCGIS Technical Representatives Meeting - Monday, May 16, 2016

Entity Attendance:

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

Summary:

A number of topics were discussed at the meeting. A list of the discussion items along with a brief summary are found below.

1. FY2017 Work Plan Tasks

The FY2017 work plan tasks were presented to the representatives. The representatives agreed to include the tasks in the FY2017 Work Plan and Report.

2. Parcel Fabric

The advantages, disadvantages, and anticipated challenges of migrating to the Parcel Fabric were presented to and discussed by the representatives. It was agreed to move forward with the migration process as long as CCGISC staff can overcome the challenges. The GIS Director will inform the member agencies of conversion milestones and/or encountered obstacles.

3. ArcGIS Online for Data Collection

Using a tablet, the GIS Director demonstrated how ArcGIS Online maps used in conjunction with the ESRI Collector app can be leveraged for field collection or simple data editing. Member agencies that currently do not utilize ArcGIS Online for data collection were encouraged to contact CCGISC staff for more information or assistance.

4. ArcGIS Online Applications

CCGISC staff is working on creating “targeted” apps that would provide benefit to the member agencies and the public. Existing apps include Gifford tornado, political boundary lookup, and imagery comparison. Staff is working on an address query and sales app. Should the representatives have additional ideas, they were asked to notify the GIS Director.

5. Base Station Agreement

The current base station agreement ends in October of 2018. The group decided to investigate new existing base station technology and discuss possible alternatives with the equipment vendor. The GIS Director agreed to contact the vendor and set-up a meeting to discuss options going forward.

6. Decennial Census

The US Census Bureau has a number of initiatives in preparation of the 2020 Census. The GSS-I (Geographic Support System Initiative) and the BQARP (Boundary Quality Assessment and Reconciliation Project) have requested CCGISC data layers. The member agency representatives were in favor of supplying the requested GIS data to U.S. Census Bureau.

In addition, the Census Bureau plans to initiate LUCA (Local Update of Census Addresses) in preparation for the 2020 census. The member representatives would like CCGISC to participate in this program for their respective agencies.

Updates

ArcReader to ArcGIS Online Application Migration Progress

ArcReader at the Village of Mahomet was replaced with an ArcGIS Online application. The provided training and the application were well received by the attendees. In the third quarter, CCGISC staff plans to replace ArcReader at the Village of Savoy, Willard Airport, U of I Real Estate Planning, and County Zoning.

Parcel Fabric

See CCGISC Technical Representatives Meeting, Item 2.

Address Database Reconciliation Projects

As mentioned in the [2016 – Quarter 1](#) update CCGISC is working with the University of Illinois and County departments and to reconcile addressing differences between the respective databases. Ultimately, the goal is to put into place procedures that will maintain consistency between the databases.

University of Illinois

CCGISC and U of I Facilities and Services staff continue to make progress reconciling address differences between U of I Facilities and Services building address database and the Champaign County relational address database (CC-rad). This project should be completed by the end of the year. Once complete, a workflow will be established to maintain consistency.

County Clerk

Streets comparisons between the County Clerk voter address database and CC-rad proved to be beneficial; there were a number of changes made in both databases. A script was then used to compare the full address records. The unmatched records were provided to the Clerk's office for investigation.

County Assessor

The addresses between the property location database and CC-rad were programmatically compared by County IT. All unmatched addresses were investigated by CCGISC staff. Corrections to CC-rad were made after consulting the appropriate addressing authority. The remaining discrepancies are considered errors in the property location table and will be corrected once the CC-rad addresses are imported in to the property location databases. This import will occur after a main address is determined for properties with multiple main addresses, i.e. a duplex, etc. This project should be completed by the end of the year.

Server Upgrades

The Enterprise Geodatabase was upgraded to 10.3 and the data storage type for each of layers was upgraded to the **Geometry** type to allow spatial queries within SQL Server. The operating system was also upgraded to Windows Server 2012 R2. SQL Server will be upgraded in the coming months then efforts will to ArcGIS Server.

CCGIS Policy Items

Work Plan & Report and Capital and Technology Improvement Plan

The CCGISC Policy Committee approved the FY2017 Work Plan & Report and the Capital and Technology Improvement Plan at the July 15th meeting. For more information, please reference the plans on the [CCGIS website](#).

Work Plan Status Report

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

FY2016 Work Plan Status Report

Task	Status
2016 Improvement Tasks	
Develop Address Database Quality Control Scripts	
1-A Develop script to check database integrity - parcel numbers, proper jurisdiction, landmark reference, etc.	complete
Make CCGISC Website ADA Accessible	
2-A Finalize ADA compliancy for CCGSC website	2 external reviews complete; final review to be completed
Implement Parcel Fabric	
4-A Discuss implementation with Technical Representatives if agreeable, begin parcel data migration	completed
4-B Migrate parcel layers to Parcel Fabric	begin in FY2016; to complete in FY2017
Create ISO Compliant Metadata	
5-A Update existing metadata to be ISO compliant	in progress; to complete in FY2018
5-B Create ISO compliant metadata for other layers	in progress; to complete in FY2018
2016 Work Plan Tasks	
Implement ArcReader Replacement	
1-A Develop ArcGIS Online Applications to replace ArcReader files	deployed 6 applications; to complete in FY2016
Remove Unnecessary Vertices from Street Centerlines	
2-A Remove unnecessary vertices from street centerlines	complete
Add Impedance Information to Street Centerlines	
3-A Review Transportation feature dataset	in progress
3-B Gather impedance data	to complete in FY2016
3-C Update Transportation feature dataset to include impedance data	to complete in FY2016
Add Theoretical Address Ranges to Street Centerlines	
4-A Work with METCAD to obtain desired end-product	complete
4-B Develop Script to assist with address range updates	to complete in FY2016
Reconcile Address data between existing County-wide Databases	
5-A Assessment Property Location database	in progress
5-B County Clerk Voter Registration database	in progress
Map Drainage Districts and Sub districts	
6-A Begin pilot project utilizing Circuit Clerk documents	begin in 3rd quarter of FY2016
6-B Map drainage districts - county-wide	to complete in FY2018
6-C Compare GIS layer to tax rolls	to complete in FY2018
2016 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
1-D Urbana Champaign Sanitary District	on going - general GIS tasks

Status updates found in **bold**

Revised July 2016