



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

# 2022 Annual Technical Representatives Meeting

## Discussion Items & Project Updates

### Technical Representatives Meeting Summary

#### Meeting Discussion Items & Project Updates

##### ENTITY ATTENDANCE:

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

##### SUMMARY:

The Annual Technical Representatives meeting was held at 2:30pm on Wednesday, June 22<sup>nd</sup> in the Lyle Shields meeting room at the Brookens Administrative Center. A summary of the discussion items and project updates are provided below.

#### 1. Annual CCGISC Workplan and Report Initiatives

Going forward, the Annual CCGISC Workplan and Report will contain a single list of initiatives rather than itemized Work Plan and Improvement Tasks. A list of the remaining 2022 tasks and proposed 2023 initiatives are found in the table below:

Remaining 2022 Tasks	Comments
Trace Network & Sanitary Review	- Make feature classes z-aware for 3D functionality - Delete Sanitary_Dimensions feature class - Merge Sanitary_PressurizedMains into GravityMains/create subtype
Street Centerline Review	- Review Fields - Make a Decision Regarding Split Streets
Upgrade Geodatabases	- Version 10.9.1.2.9
Work with IT - VM backups (off-site)	- Expand memory on one of our 2 physical servers; move all VMs to same physical server and use other for offsite VM backups.
2023 Initiatives	Comments
Metadata Creation**	- Automate creation of metadata for all tables, views and layers
Website**	- Overhaul CCGISC Website; New logo, etc.
Address Website	- Correct issues with identify tool - Cosmetic updates; currently does not render correctly in all browsers
Address Schema Changes	- Remove Address Number Suffix from Main Address Table i.e. 102A Main Street. Main Address to be 102 Main Street.
Devnet QC Script	- Write a Script that checks for data entry inconsistencies; this impacts the Consortium as entry errors may create problems for views. It is also to limit the distribution of bad data. <b>Examples:</b> Document numbers, dates, etc.
CCGIS Data Policy Review	- Internal review of CCGISC Data Policy and recommend any necessary updates/changes to Policy Committee (last reviewed in 2017)
Genealogy**	- Complete Genealogy review/corrections
Geolocator Upgrade ArcGIS Pro	- Upgrade Geolocators to ArcGIS Pro

\*\* 2022 initiatives that were not complete due to reallocation of time for unanticipated issues/projects:

- County Implementation of Munis ERP System; Development of Custom Munis Reports; NG-911 (Douglas and Champaign County); ParcelFabric Upgrade Issues (Label Corrections); Contour Project Issues

## 2. 2023 Ortho-Imagery Acquisition

2023 is an ortho-imagery acquisition year. Neither Piatt nor Douglas counties have formally committed to participating in 2023, discussions on-going. Pricing will be obtained for both 6-inch and 3-inch county-wide imagery. The 3-inch may be cost prohibitive in 2023, but if of interest going forward, supplied costs will be used to reevaluate future ortho-imagery assessments.

The proposal for services will be supplied to vendors in mid to late October. The Technical Representatives will have an opportunity to review the proposal for services prior to its release.

## 3. Geodatabase Upgrades

CCGISV plans to upgrade its Enterprise Geodatabases to version 10.9.1.2.9 in the coming weeks. An email will be forwarded to the Technical Representatives a few days prior to the upgrade.

### *Upgrade Impacts: Minimal*

Based on [ESRI documentation](#), “older ArcGIS clients can open, query, edit, and save data in newer release geodatabases, but they **cannot** open datasets that participate in newer functionality.” This includes branch versioning, the Utility and Trace Networks, ArcGIS Pro annotation, attribute rules, etc. Other than ArcGIS Pro annotation, the data within CCGISV does not participate in newer functionality and therefore users with older ArcGIS Desktop clients should not have issues connecting to CCGISV after the upgrade. Client machines must have the correct installation of the Native Client/ODBC driver for their version of the ArcGIS client to connect to Microsoft SQL Server 2019.

CCGISV was able to successfully connect to SQL Server 2019 with a 10.9.1.2.9 Enterprise Geodatabase from an ArcGIS Desktop 10.3.1 client using Native Client 10.

## 4. Drainage District Mapping Project

CCGISV mapped all but approximately 45 of the 325 drainage districts in Champaign County using the most up-to-date certified drainage rolls available from the County Clerk. Of the 45 unmapped districts, 9 did not contain sufficient legal descriptions to effectively map; records for the remaining 36 districts could not be located.

Differences exist between the parcels contained within the mapped drainage districts and those coded in the tax system. The next step is to reconcile these mismatched or “fallout” parcels. Several years ago, when the project began, the County Clerk’s office planned to work with the drainage districts and their respective attorneys to resolve the fallout and locate any missing rolls. CCGISV will approach the current County Clerk and Circuit Clerk to determine how/if they are willing to proceed forward with the project.

Regardless, CCGISV staff will maintain the layers as mapped through annual quality control tasks until the fallouts are resolved.

## 5. Contours

ASI recently provided another delivery of “corrected” contours. Upon initial review it appears they adequately corrected the issues with dangles and depression line classifications. A more comprehensive review is underway. Once the review is complete, all the final deliverables will be supplied to the member agencies.

### **IMPORTANT:**

ASI was **NOT** able to successfully correct the original deliverable. As a result, the contour lines in the most recent deliverable will not be coincident with those in the original deliverable. The reasoning provided by ASI is as follows:

- The depressions contours from the original could not be corrected because the contours had been cut into tiles and they were unable to identify and correct the issues in an efficient and timely manner.

*As an aside, CCGISC offered to provide ASI with the original delivery as a single seamless county-wide file for correction; they did not pursue this offer.*

- ASI was unable to locate/recover or duplicate the settings from the original deliverable. As a result, the settings used to generate the most deliverable varied from the original deliverable.

## 6. Trace Network

Utilizing a test environment, CCGISC migrated the Sanitary Sewer data into the Trace Network. Testing is on-going. As a reminder, the Trace Network is essentially the ArcGIS Pro version of the ArcGIS Desktop Geometric Network. The migration must occur as data within a Geometric Network cannot be edited in ArcGIS Pro. As part of the migration process, CCGISC staff identified possible schema changes to the Sanitary Sewer layers. These include:

- Z-aware feature classes for 3D functionality
- Deletion of the Sanitary\_Dimensions feature class
- Merging the Sanitary\_PressurizedMains into GravityMains categorizing by subtype

*CCGISC would like to understand the feasibility and member agency impacts of making these changes.*

### **ACTION ITEMS:**

- Member agencies to hold internal discussions to determine feasibility/impacts of these changes.
- CCGISC to set up a meeting to discuss the proposed changes in coming weeks.

## 7. Road Jurisdictions

Using linear referencing, CCGISC developed a general road jurisdiction layer. Meeting participants pointed out agreements exist that alter the agency responsible for certain services along the jurisdictional boundaries. At this point, CCGISC staff is simply requesting the road jurisdiction layer be reviewed for primary jurisdictional responsibility. A meeting to discuss separate service agreements will be scheduled in the coming months.

### **ACTION ITEMS:**

- Member agencies to use the following app to review/comment on the road jurisdictions as presented. Comments are due by **Friday, August 5<sup>th</sup>**.  
[Road Jurisdiction Review App](#)
- CCGISC to set up a meeting to discuss provided comments and road jurisdictional service agreements

## 8. Street Centerlines – splits at 100 blocks

Using linear referencing, CCGISC split streets that spanned multiple 100 block ranges at each 100 block. This was done because METCAD reported geocoding issues. When METCAD is provided an address that does not have a corresponding address point, the address geocodes to the street centerline. In areas where a street centerline spans multiple 100 block ranges, the address is not accurately located along the block. This can result in the geocoded address to intersect with an incorrect response zone. Splitting these blocks using linear referencing provides more accurate geocoding results but is cumbersome to maintain. *CCGIS would like to understand the feasibility and member agency impacts of permanently splitting these areas in the street centerline layer.*

### ACTION ITEMS:

- Member agencies to use the following app to review/compare the geocoding results of the split versus non-split street segments.  
[Street Centerline Review App](#)
- Member agencies to hold internal discussions to determine, what, if any impacts splitting these segments may have on your organization. Please provide a general agency assessment by **Friday, August 5<sup>th</sup>**.
- CCGISC to set up a meeting to discuss street centerline splits.

## 9. Review of Available CCGISC Apps & Websites

CCGIS quickly reviewed Apps and Websites available to the member agencies.

- [Gallery](#) (Portal Login Required)
- [Document Server](#) (Agency Specific Login Required)
- [Tax Map](#) (Agency Specific Login Required)
- [Genealogy](#) (Agency Specific Login Required)

**Member Agencies:** Please contact CCGISC staff at [ccgisc@co.champaign.il.us](mailto:ccgisc@co.champaign.il.us) should you need login assistance.

## 10. Other Public Resources

- [Public Map](#)
- [County System Tables](#)  
*Spreadsheet containing field descriptions for tax system export tables in CCGISV (A\_Master and A\_Master\_Assessed)*
- [Report Mapping Errors](#)  
*This document provides links to third party vendors to report map and address errors.*