



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 4

Meeting Summaries

Base Station Meeting – Tuesday, October 25, 2016

Entity Attendance:

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

Others:

Tom Bryant, Seiler Instruments

Summary:

The purpose of the meeting was to review the current system, discuss alternative technologies, and gauge interest renewing the agreement for the 2019-2023 agreement term.

The meeting and follow-up discussions resulted in the following:

- The University will continue operating the existing R5 base station until an upgrade/replacement is required. When the needs arrives to replace the R5, Seiler Instruments estimates downtime at approximately one week. Due to sole source procurement regulations, it is not an option for the FAR base station to participate in the Trimble VRS network; however, the FAR base station will remain a registered CORS base station.
- City of Champaign, City of Urbana, and the Village of Savoy plan to participate in the 2019 – 2023 base station agreement. The County requires coverage outside of the base station's 10 – 15 mile radius range and will not participate in future agreements.
- The University agreed not to increase the agreement fee of \$23,125.00 for the 2019-2023 agreement term, which translates into five annual payments of \$1,541.67 for the three participating agencies.

An updated Memorandum of Understanding (MOU) will be forwarded to the participating agencies in the first quarter of 2018 for review.

Ortho-Imagery Review Meeting – Tuesday, December 20, 2016 & Tuesday, January 3, 2017

Entity Attendance:

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

Others:

Keri Nusbaum & Albert Manint of Piatt County

Summary:

The purpose of the meetings were to 1) evaluate the proposals provided in response to the CCGISC Ortho-imagery RFP 2016-001 released on October 31, 2016 and 2) recommend a vendor to the CCGISC Policy Committee.

Proposals were evaluated using the following criteria:

- Proposed Scope of Services
- Qualifications of the Project Team
- Delivery Schedule
- Proposal Content
- Cost

The proposed project costs are as follows.

Project Costs							
Entity - Product Option	ASI						Quantum
	(Aerial Services)	Ayres	Kucera	Pictometry	Sanborn	Surdex	Spatial
Champaign - Option 1	\$ 86,044.38	\$ 71,326.50	\$ 65,500.00	\$ 167,850.00	\$ 85,000.53	\$ 56,839.38	\$ 200,907.00
Piatt- Total	\$ 40,920.92	\$ 33,923.50	\$ 30,000.00	\$ 81,750.00	\$ 37,390.01	\$ 27,031.62	\$ 95,554.00
Total Base Cost for Champaign/Piatt	\$ 126,965.30	\$ 105,250.00	\$ 95,500.00	\$ 249,600.00	\$ 122,390.54	\$ 83,871.00	\$ 296,461.00
Champaign - Option 2: Building Lean Reduction	\$ 1,000.00	\$ 5,000.00	\$ 1,300.00	\$ 2,500.00	\$ 1,820.39	\$ 4,628.00	\$ 6,200.00
Champaign - Option 3: Building Lean Elimination	\$ 1,000.00	\$ 6,000.00	\$ 1,800.00	\$ 3,000.00	\$ 4,237.52	\$ 1,144.00	\$ 16,173.00
Champaign - Option 4: Building Lean Reduction/Elimination	\$ 2,000.00	\$ 11,000.00	\$ 2,500.00	\$ 5,500.00	\$ 5,331.24	\$ 5,773.00	\$ 21,593.00
Champaign - 4-band delivery (CIR)		\$ -	\$ 2,500.00		\$ -		
Piatt - 4-band delivery (CIR)		\$ -	\$ 1,000.00		\$ -		
TOTAL PIATT and CHAMPAIGN Option 4 with additional Color Infrared Band	\$ 128,965.30	\$ 116,250.00	\$ 101,500.00	\$ 255,100.00	\$ 127,721.78	\$ 89,644.00	\$ 318,054.00

The member agency technical representatives recommended Kucera for its project approach, price point, and the successful execution of the 2011 CCGISC ortho-acquisition project. Kucera provided the Bi-State Commission of Rock Island, Illinois as a local reference. The Bi-State Commission project manager provided positive feedback concerning the quality of the orthophotography they acquired from Kucera in 2005, 2009, and 2014.

While the Surdex bid was approximately \$11,850 less, the technical representatives were not satisfied with their proposed approach to building lean elimination or building lean reduction and preferred the use of a frame-based camera to the proposed push-broom camera. In addition, technical representatives who worked with Surdex on other projects raised concerns regarding quality.

Updates

ArcReader to ArcGIS Online Application Migration Progress

The Emergency Management Agency (EMA) and the Sheriff are the final two remaining departments utilizing ArcReader. Approximately one year ago, CCGISC staff provided an ArcGIS Online app to the Sheriff's office for review. Based on the provided comments, the app has undergone several iterations of modifications. Once CCGISC receives final comments, EMA and the Sheriff will be migrated to ArcGIS Online.

Parcel Fabric

Cloudpoint Geographics of Roanoke, Illinois held a 1-day on-site Parcel Fabric editing training class for CCGISC staff. The class provided a general overview of the Parcel Fabric and a solid introduction to data editing. The training did uncover the need for additional data clean-up prior to migration. Initially, the migration was scheduled for late spring of 2017; however, this additional work will likely delay migration until 2018.

Address Database Reconciliation Projects

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

University of Illinois

CCGISC developed an address plan for the Willard Airport buildings/structures. U of I Facilities and Services updated their database to reflect these new addresses. Willard Airport is in the process of approving these changes. Once approved, this project will be complete. To maintain consistency between CC-RAD and the U of I facilities databases, CCGISC and U of I will compare the databases each year.

County Clerk - Voter Addresses

As mentioned in the [2016 – Quarter 3](#) update, CCGISC needs to develop a comparison script that generates a list of non-matching addresses and election code assignment on a regular schedule. Staff should have time to complete this task prior to the end of the second quarter in 2017.

County Assessor – Property Location Addresses

No new progress. The County continues to work on a program that will regularly import the provided CC-RAD addresses into the property location table.

2017 OrthoPhotography Acquisition

- See [Ortho-Imagery Review Meeting Summary](#) for details.

Misc. Projects

County Website – Contract Work

CCGISC staff is working with the County to add programmatic functionality, corresponding styles, and information filters to the County Website. Projects are focused on areas of the website that reference a large number of current and historic documents such as the County budget, RFPs and contacts, etc. In the first quarter of 2017, CCGISC will shift its efforts to the creation of mobile friendly and ADA compliant tax assessor and treasurer look-up pages.

County Zoning QC

CCGIS developed QC processes for the County Zoning layers. While the County Zoning layers are not approved nor available for public viewing, QC procedures are necessary in anticipation of future approval.

Piatt County Highway Department Sign Inventory Application – Contract Work

CCGIS staff developed a sign inventory ArcGIS Online application for the Piatt County Highway department. This application allows the Piatt County Highway staff to update the sign inventory and related inspection information in the field using a mobile device.

CCGIS Policy Items

Ortho-Imagery Contract Award

The CCGISC Policy Committee approved award of the 2017 ortho-acquisition project to Kucera International, Inc. Deliverables will include 4-band, 6-inch county-wide ortho-imagery with building lean eliminated or reduced in specified areas throughout the County. The final deliverable is expected by the end of September.

Work Plan Status Report

The Work Plan Status Report is provided on the following page. As always, updates 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; documents forwarded to ADA consultant for third review
Implement Parcel Fabric	
4-A Discuss implementation with Technical Representatives if agreeable, begin parcel data migration	complete
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 all applications with exception of Sheriff; waiting for response to questions
Remove Unnecessary Vertices from Street Centerlines	
2-A Remove unnessecary vertices from street centerlines	complete
Add Impedance Information to Street Centerlines	
3-A Review Transportation feature dataset	in progress; to complete in FY2017
3-B Gather impedance data	to complete in FY2017
3-C Update Transportation feature dataset to include impedance data	to complete in FY2017
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	after further investigation, this will be a manual process; delayed until FY2017
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 Subdistricts	
6-A Begin pilot project utilizing Circuit Clerk documents	in progress
6-B Map drainage districts - county-wide	to complete in FY2018
6-C Compare GISlayer 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

Status updates found in **bold**

Revised January 2017