

# **Meeting Announcement**

### GIS Technical Committee

Monday, July 8, 2013 at 10:00 AM

Lyle Shields Meeting Room

1776 E. Washington Street, Urbana, IL

### **AGENDA**

- I. Call to Order
- II. Roll Call Sign-in Sheet
- III. Approval of Agenda
- IV. Approval of Minutes
  - A. April 2, 2013 Regular Meeting

#### V. New Business

- A. Approval to Recommend FY2014 Work Plan and Report
- B. Approval to Recommend Purchase of Image Server Extension
- C. Approval of Ortho/Oblique Acquisition Direction

#### VI. Old Business

- A. GIS Manager's Report
- VII. Adjournment



# GIS Technical Committee

2 3

4

5 6

7

Place:

8 9

10

11 12

13 14

15 16 17

18 19 20

26 27 28

25

30 31 32

29

38 39 40

41

37

**MINUTES** – SUBJECT TO REVIEW AND APPROVAL

Date: Tuesday, April 2, 2013

Time: 10:00 a.m.

John Dimit Meeting Room – Champaign County Regional Planning Commission

1776 E. Washington St.

Urbana, Illinois

Consortium Member Agencies	Present	Absent
Champaign County	Andy Rhodes	
Champaign		DeShawn Robins
Mahomet	Gary LaForge	
Rantoul		Kathy Hadler (Chair)
Savoy	Levi Kopmann	
UIUC		Renee Nagy (Vice Chair)
Urbana	Ben Fisher	

Jeff Engstrom (Urbana), Joe Meents (Assessor's Office)

**CCGISC Staff:** Leanne Brehob-Riley, Beth Brunk (recording secretary)

### Call to Order

Others:

As Acting Chair, Mr. Rhodes called the meeting to order at 10:02 a.m.

# Roll Call A verbal roll call was taken, and a quorum was declared present.

Mr. Fisher moved to approve the agenda as distributed. Mr. Kopmann seconded. Upon vote, the motion carried unanimously.

#### **Approval of Minutes**

Approval of Agenda

November 6, 2012 Regular Meeting

Mr. Fisher moved to approve the November 6, 2012 GIS Technical Committee minutes as distributed. Mr. LaForge seconded. Upon vote, the motion carried unanimously.

#### **Public Participation**

None

#### Change to County Fiscal Year & Impacts to Annual Work Plan and Report

Ms. Brehob-Riley explained that the GIS Consortium previously had a fiscal year-end on June 30<sup>th</sup>. The GIS Consortium has adopted the fiscal year of the new Administrator, the County of Champaign which is December 1<sup>st</sup> to November 30<sup>th</sup>. Since FY2013 has been extended to 11/30/13, the budget and Work Plan for FY2014 will begin in May for approval in the July GIS Technical and Policy Committee meetings. Therefore, the Consortium membership fees determined in July 2013 will be the amounts owing by members in July 2014. The membership fees for FY2013 due in July 2013 have not changed from last year.

# Approval of the Revised 2013 GIS Technical Committee Meeting Schedule

On review of the Consortium's Intergovernmental Agreement (IGA), the GIS Policy Committee should meet on a quarterly basis. To follow this quarterly pattern, the Technical Committee will now meet on the first Monday of the month in July and October at 10:00 a.m. in the Lyle Shields Meeting Room.

4 5

Mr. LaForge moved to approve the revised 2013 meeting schedule for the GIS Technical Committee as discussed. Mr.

6 7

8

# FY2013 Work Plan Status Report

9 10

Ms. Brehob-Riley updated the Committee on the status of various Work Plan tasks.

Fisher seconded. Upon vote, the motion carried unanimously.

11 12

# Job Evaluations of GIS Staff

13 14

15

16

With the administration transition to the County, the GIS staff positions were analyzed by the County Job Content Evaluation (JCE) Committee with input from Ms. Brehob-Riley. The GIS Technician II position that is currently vacant has been upgraded to a GIS Business Systems Analyst to bring in additional project planning and management skills. A GIS Technician I position has been reclassified as a Mapping Technician. These recommended changes are pending County Board approval. Ms. Brehob-Riley hopes to have the vacant GIS Business Analyst position filled by mid-May.

17 18

### Orthophotography

19 20 21

Ms. Brehob-Riley requested notification if any member agency wanted the raw TIF files from the 2011 State-flown orthophotography. The Consortium is due to fly in spring 2014 so a Request for Proposal (RFP) will need to be issued by November 2013.

22 23 24

25

26

27

Ms. Brehob-Riley would like to see if there is any outside interest in contributing to purchase oblique photography. The vendor, Pictometry, produces aerial oblique images including fronts/sides of buildings and locations on the ground. The Consortium would not be able to fund this cost alone so Ms. Brehob-Riley is going to see if emergency services would have an interest in participating financially. She intends to talk to the Regional Emergency Coordination (REC) group on May 21<sup>st</sup> to discuss the benefits of this product. Pictometry representatives will follow up with a presentation in late May or early June.

28 29 30

31

32

33

The GIS Policy Committee directed Ms. Brehob-Riley to continue to work with the state concerning future orthophotography flights. The state intends to change the process and work with Illinois Association of Regional Councils (ILARC) to administer the contract. The next planned state orthophotography flight of Illinois is in 2015. Ms. Brehob-Riley commented that while the 1' state orthophotography did not have good coloring, the 6" photography was exceptional.

#### ArcGIS Online

Staff was investigating if an ArcGIS on-line subscription would be cost effective to replace the ArcReaders currently in use. It would be much quicker to implement upgrades with the on-line version. This task is on hold until the current staff vacancy has been filled.

43 44

42

#### ArcReaders for the County Sheriff's Department

45

Staff conducted two training sessions on using ArcReader to find addresses with the County Sheriff's Department. The officers will use this tool on their laptops in their vehicles.

46 47

#### Federal Geographic Data Committee (FGDC) Metadata Grant

Ms. Brehob-Riley intends to apply for this grant when it is released. It has been delayed due to federal funding issues but is still expected to be offered. Ms. Brehob-Riley has received two letters of support from Illinois Department of Transportation (IDOT) and the Illinois State Geological Survey (ISGS) who have agreed to be partners in the grant proposal. If awarded the grant, CCGISC staff plan to visit each partner for 2-3 days to assist in building metadata templates and staff training.

52 53

# Sanitary/Sewer Subcommittee

The Subcommittee met in December to review the sanitary/sewer feature set. The finalized changes will be presented at the July GIS Technical Committee meeting.

# GPS Base Station

The University of Illinois Base Station 5-year agreement expires on 9/30/13. Ms. Brehob-Riley will be sending out invoices for the 2012-2013 annual payment in the next week. The new agreement for 2013-2018 is being reviewed by the State's Attorney. Once that is complete, the individual Memorandum of Understandings (MOUs) will be distributed to those members still interested in participating: County, Savoy, Champaign and Urbana.

# 

### **CCGISC** Website

Ms. Brehob-Riley demonstrated the new CCGISC website, <a href="www.ccgisc.org">www.ccgisc.org</a>. The agenda and meeting materials are now posted on the website. She is hopeful that functionality will be added in the future which would allow users to request or purchase data on-line.

# 

### Addressing Project

Much of the work has been focused on cleaning up address points and street centerlines. As a part of this project, staff has assisted METCAD with their transition from a tabular to a GIS CAD dispatch system. While developing the interface, some changes were made to the back-end relational table. Eventually, the address points should tie to the geocoded street segment. Staff is tracking deleted addresses. Another Addressing Subcommittee will be held in May to review the design and interface. The goal of this project is to have a centralized county-wide address database which must be continually updated by the respective agencies. This information must be accurate as it will be used by emergency services.

# 

### Adjournment

Mr. Rhodes adjourned the meeting at 10:33 a.m.

# 



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

To: CCGISC Technical Committee
From: Leanne Brehob-Riley, GIS Director

Date: July 1, 2013

Re: CCGISC FY2014 Work Plan and Report – New Business Agenda Item A

The CCGISC Work Plan Committee recommended that the fiscal year 2014 Work Plan and Report be provided to the Technical Committee for approval. The Work Plan and Report is provided for your review, items of specific note are listed below.

#### **Work Tasks**

The Work Plan Committee met on May 16, 2013 to revisit and reprioritize current and future CCGISC staff work tasks. The table below lists the work tasks in order of priority:

	Prioritized Current and Future Work Tasks
1.	Clip and Ship Web Map Interface
2.	Eliminate Unnecessary Vertices from Street Centerlines
3.	Create Routing Information for Street Centerlines
4.	Gather Critical Building Plans and Create Hyperlinks
5.	Gather, Process and Distribute Historic Orthophotography
6.	Map Surveys with Hyperlinks to Survey Documents
7.	ArcReader Replacement (ArcGIS Online/ArcExplorer)
8.	Centralized Storm Layer (similar to sanitary sewer)
9.	Map Impervious Surfaces
10.	ESRI Community Base Map

The fiscal year 2014 Work Plan and Report incorporates items 1 through 5. It is anticipated these tasks will be completed by the end of fiscal year 2016.

# **Budget**

The Technical Committee charge is to formulate the Work Plan for the upcoming fiscal year. Once approved, I will formulate the budget financial projections and budget index for approval by the Policy Committee.



Work Plan & Report Champaign County GIS Consortium Fiscal Year 2014

DRAFT

The document is organized into the following sections:

Introduction.		3
Section 1.	CCGISC Tasks	3
	A. Core Services and Support Functions	3
	B. Work Tasks	6
	C. Technical Service Contracts	7
	D. Accomplished Task Highlights	7
Section 2.	3-Year Projections	8
	A. Labor Allocation Projections	8
	B. Financial Projections	10
Section 3.	Budget Index	11
	Exhibit I – CCGISC Line-Item Budget	11
	Exhibit II – Orthophotography Budget	11
	Exhibit III – Membership Contributions	12

# Introduction

This Work Report & Plan provides time estimates and descriptions of services that will be provided in the following fiscal year. Costs associated with these services are also outlined in the document. In addition, three-year projections of both labor/services and costs are provided for reference.

### Section 1. CCGISC Tasks

The Champaign County GIS Consortium (CCGISC) tasks are categorized into three groups: 1) core services and support functions, 2) work tasks and 3) technical service contracts. Core services and support functions are tasks that are fundamental to the operation of the CCGISC. Work tasks are projects identified by the CCGISC members that will continue to improve efficiency, decision making, communication, education and recordkeeping within their member organizations. Technical service contracts provide GIS related support to agencies on a contractual basis. Together, these tasks assist in accomplishing the goals set forth in the Intergovernmental Agreement.

# Section 1A. Core Services and Support Functions

Core services and support functions are grouped into five general categories - GIS Data Layers, Consortium Support, Data Distribution, Management, and Education and Training. Anticipated time allocation for each of these categories is found below. Time allocation estimates are based on current and historic allocation data as well as staff input. In addition, narratives are provided for each of the five categories.

Champaign County GIS Consortium Core Services and Support Function Comparison	FY2013 Weeks	FY2014 Weeks	Explanation
CCGISC Core Services and Support Functions			
GIS Data Layers			
Annual Maintenance and Quality Control	72.50	88.00	Increased allocated time for historic ROW and easement mapping, and METCAD related data (address, civil municipal boundaries, trailer parks and cemeteries, etc.)
Improvement Tasks	22.00	26.00	Increased allocated time for development of automated technical service invoice generation tools
Total:	94.50	11/00	
Total.	94.50	114.00	
Consortium Support	12.00		Increased allocated time for anticipated EMA and METCAD assistance; increase in ArcReader usage
		25.00	
Consortium Support	12.00	25.00 42.00	METCAD assistance; increase in ArcReader usage Increased allocated time for expansion of CCGISC website, changes to address portal & document server
Consortium Support  Data Distribution	12.00 30.00	25.00 42.00	METCAD assistance; increase in ArcReader usage Increased allocated time for expansion of CCGISC website, changes to address portal & document server and taxmap website updates

# **GIS Data Layers**

One of the missions of CCGISC is to provide Consortium members with up-to-date, high quality regional GIS data. To provide this service, it is necessary to **maintain** and **improve** the existing, or "core" GIS data layers.

# Annual Maintenance and Quality Control

The performance of maintenance and quality control procedures are methods utilized by CCGISC staff to provide high quality GIS data. The majority of the data layers are in constant transition to reflect the changes of the features the layers represent. When changes are reported to CCGISC staff, the layers are updated in a timely manner. In addition, quality control procedures are executed to maximize data accuracy.

# Improvement Tasks

The first priority of the CCGISC staff is to maintain and refine the core GIS layers, services, and support functions. Improvement tasks are divided into two categories 1) short-term tasks that are finite and will be completed within the next 3-years and 2) on-going tasks that require periodic review or refinement.

In fiscal year 2014 twenty-six (26) weeks of staff time has been reserved for improvement tasks. A list and brief description of the identified improvement tasks are found in the table below.

	Identified Improvement Tasks	Description	Time Estimate (weeks)	Anticipated Completion Date (fiscal year)	
Sho	ort-term				
1.	Automate Technical Service Contract Invoices	Automate the input of billing reports to SQL Server and invoice generation for Technical Service Contracts	66	2014	
2.	Comprehensive Review of Annexation Layer	Comprehensive review of approximately 2100 municipal annexations	25	2016	
3.	Investigate Parcel Fabric Tools	Investigate feasiblity of implementing ESRI parcel fabric tools for cadastral and/or taxing district data	3	2014	
4.	Implement Image Server	Purchase and Implement Image Server	2	2014	
5.	Investigate Replacement for ArcReader	Investigate possible replacements for ArcReader; ArcReader likely to be unsupported in coming years.	3	2014	
6.	Update Corner/Corner Coordinate/Monument Feature Classes; Hyperlink available Tie-sheets	Hyperlink recorded tie-sheets to corner feature class, hyperlink monument records to monument feature class; clean-up attributes for these feature classes	8	2015	
7.	Migrate Sales Database to SQL Server	Migrate sales base from access to SQL server and create web-based interface	8	2015	
On	On-going				
1.	Development of Workflow and Quality Control Procedures	Continue to update and develop workflow and quality control procedure	4	ongoing	
2.	Review and update SDE layers, tables and feature datasets	Review design of SDE feature datasets and feature classes	4	ongoing	

# Consortium Support

A basic function of CCGISC is to assist member agencies through the promotion and use of GIS technology and data. To accomplish this function, CCGISC staff assists members with technical support issues and small projects. In addition, staff provides members data updates and viewing applications as well as fills data release requests.

### Data Distribution

CCGISC is charged with the responsibility of distributing and promoting the use of the GIS. To meet this goal, CCGISC utilizes a variety of distribution methods and platforms including but not limited to the following:

- Tax Map Atlas website and CD
- CCGISC web site
- Document distribution through a web enabled document file server
- Data sales
- Web mapping applications (Address, Public, Clip and Ship)
- ArcSDE database connections and published services

# Management

Management includes program and project management as well as database management and server administration. Program management is carried out by the GIS Director. Program management tasks include, but are not limited to, the preparation of committee meeting documents and responding to committee meeting requests, budgetary and fiscal tasks, and technology improvement plans. In addition to the Policy and Technical Committees there are a number of working subcommittees including but not limited to Address Standardization, Work Plan and Report, and Technology Improvement that require coordination efforts and documentation development.

Project management tasks are primarily the responsibility of the GIS Director however, when appropriate, the GIS Technicians, GIS Programmer, and GIS Business Systems Analyst carry out project management tasks.

#### **Education and Training**

GIS software and applications continually evolve. Education and training is necessary to maintain and improve CCGISC staff skills. The CCGISC staff typically attends at least one local conference a year and is encouraged to experiment and research tools that may improve efficiency levels. In addition, webinars, workshops, and other training and education outlets are utilized when necessary.

# Section 1B. Work Tasks

A GIS constantly evolves and grows because it provides a wide variety of benefits. CCGISC work tasks are projects identified by the CCGISC members that will continue to increase efficiency and improve decision making within their member organizations. As work tasks are completed, the resulting products are added to core services.

Work tasks are determined by the CCGISC Work Plan Subcommittee and ultimately accepted by the member organizations with approval of this document by the CCGISC Policy Committee.

The work tasks identified by the CCGISC committees are prioritized in the table below.

	Prioritized Current and Future Work Tasks
1.	Clip and Ship Web Map Interface
2.	Eliminate Unnecessary Vertices from Street Centerlines
3.	Create Routing Information for Street Centerlines
4.	Gather Critical Building Plans and Create Hyperlinks
5.	Gather, Process and Distribute Historic Orthophotography
6.	Map Surveys with Hyperlinks to Survey Documents
7.	ArcReader Replacement (ArcGIS Online/ArcExplorer)
8.	Centralized Storm Layer (similar to sanitary sewer)
9.	Map Impervious Surfaces
10.	ESRI Community Base Map

In fiscal year 2014 it is estimated that 28 weeks of staff-time are available for work tasks. To accommodate the different skill sets of available staff time, and in an effort to complete projects that are currently underway, fiscal year 2014, 2015 and 2016 work tasks will include the projects outlined in the following table.

	Work Tasks	Description	Time Estimate (weeks)	Completion Date (fiscal year)
	· · · · · · · · · · · · · · · · · · ·	Web-based interactive interface that allows cutomers to select and pay for GIS data of interest. The data would then be automatically sent to the customer.	15.00	2014
	Eliminate Unnecessary Vertices from Street Centerlines	Remove the unnessecary vertices from the Street Centerline file. This will involve redrawing many of the streets and transfering attributes. Quality Control will need to be performed throughout this process.	24.00	2015
	3. Create Routing Information for Street Centerlines	Gather impedence information needed for routing (speed limits, stop signs, stop lights, one way streets)	7.00	2015
ŀ	4. Gather Critical Building Plans and Create Hyperlinks	Gather floor plans and emergency plans; create hyperlinks for immediate view access	6.00	2016
	5. Gather, Process and Distribute Historic Orthophotography	Gather, process and distribute historic Aerial or Otho photography	12.00	Ongoing; goal to process 2 years of historic imagery by 2016

# Section 1C. Technical Service Contracts

Technical service contracts provide GIS related support to agencies on a contractual basis. In fiscal year 2014 service contracts will account for approximately 10% (\$55,500.00) of the total revenue. It is anticipated that contractual agreements with the following agencies will be in place in FY2014.

- Piatt County
- City of Champaign
- Urbana-Champaign Sanitary District
- Village of Mahomet

# Section 1D. Accomplished Highlights

The table below highlights a number of the CCGISC staff accomplishments in fiscal year 2013.

Acc	complished Highlights
1.	Development of County-wide Address Interface
2.	Creation of new CCGISC website
3.	Institued PayPal
4.	Automated Monthly Financial Reports
5.	Mapped Historic ROW to 1988
6.	Historic Easement mapping to 2008
7.	Included Orthophotography in Tax Map Atlas
8.	Assisted METCAD in implementing GIS driven Computer Aided Dispatch
9.	Deployed Mobile mapping in Sheriff's Cruisers
10.	Standardized ArcReader application to increase staff efficiency

# Section 2. Three-year Projections

Three-year projections were calculated for labor/service and program costs. These projections are illustrated in the tables below.

# Section 2A. Labor Allocation Projections

CCGISC Core Services and Support Functions  ### Annual Maintenance and Quality Control Codostra/Mand Based* 1. Tax Parcels 2. Parcel Points 3. Annual (100 scale and 400 scale) 4. Subdivisions/Subdivision 100 scale and 400 scale) 5. Parcel Platted Subdivisions 6. Essements (ince and historic) 7. Road Right-of-Ways Inser and historic) 7. Road Right-of-Ways Inser and historic) 8. County & PLSS Insert and historic) 9. Corner, Corner Coordinate, Monument 10. Tax Map Index 11. Condomination Table 11. Condomination Table 11. Farm Land Use #### Annual Use ####################################	Champaign County GIS Consortium 3-Year Labor/Service Allocation Projection	FY2014 Number of Weeks	FY2015 Number of Weeks	FY2016 Number of Weeks	
Annual Maintenance and Quality Control Cadostrol/Land Based* 1. Tax Parcels 2. Parcel Points 3. Annotation (100 scale and 400 scale) 4. Subdivision Table 5. Parcel Platted Subdivisions 6. Examents (new and historic) 7. Road Right-ol-Ways (new and historic) 8. County & PLSS Townships, Sections & Quarter Sections 9. Corner, Corner Coordinate, Monument 10. Tax Map Index 11. Condominium Table 12. Form Lond Use Administrative Boundaries 13. Municipal Boudaries and Extra-Territorial Jurisdictions (ETJ) 14. Annoxations 15. Political Townships 15. Political Townships 16. Toxing Piscincts 18. County Board Obstricts Transportation & Location 19. Street Centerlines 20. Railroads 21. Address Points (Addressing) Natural Features 22. Stream & Lokes 7. Orthophotography & LIDAR 23. Orthophotography & LIDAR 23. Orthophotography & LIDAR Terrain 25. Ortho Index Emergency Service Layers 26. Ceill/Municipal Boundary 27. Cemetery and Trailer Parks Annual Maintenance and Quality Control 88.00 88.00 88.00 88.00 88.00 88.00 Improvement Tasks 26.00 86.00		CCGISC Core Services and Support Functions			
Cadastrol/Land Bosed*	GIS Data Layers				
1. Tax Parcels   2. Parcel Points   2. Parcel Points   3. Annotation (100 scale and 400 scale)   4. Subdivision Table   5. Parcel Platfed Subdivision Table   5. Parcel Platfed Subdivisions   6. Easements (new and historic)   7. Road Right-of-Ways (new and historic)   7. Road Right	Annual Maintenance and Quality Control				
Parcel Points	Cadastral/Land Based*				
3. Annotation (100 scale and 400 scale)					
4. Subdivision/Subdivision Table 5. Parcal Plated Subdivisions 6. Easements (new and historic) 7. Road Right-of-Ways (new and historic) 8. County & PLSS Townships, Sections & Quarter Sections 9. Corner, Corner Coordinate, Monument 10. Tax Map, Index 11. Condominium Table 12. Farm Land Use 13. Municipal Boudaries 14. Annexations 15. Political Townships 16. Taxing Districts - 16 Districts (current and previous revenue years) 17. Volting Precincts 18. County Board Districts 19. Street Centerlines 20. Railroads 21. Address Points (Addressing) Natural Features 22. Stream & Lakes 23. Orthophotography & LiDAR 23. Orthophotography & LiDAR 25. CrillMunicipal Boundary 26. CivilMunicipal Boundary 27. Cemetery and Trailer Parks 28. Annual Maintenance and Quality Control 18. Bas On 18.00					
5. Parcel Platted Subdivisions           6. Examents (new and historic)           7. Road Right-O-Ways (new and historic)           8. County & PLSS Townships, Sections & Quarter Sections           9. Corner, Corner Coordinate, Monument           10. Tax Map Index           11. Condominium Table           12. Form Land Use           Administrative Boundaries           13. Municipal Boudaries and Extra-Territorial Jurisdictions (ETJ)           4. Annexations           15. Political Townships           16. Taxing Districts - 16 Districts (current and previous revenue years)           17. Voting Precincts           18. County Board Districts           Transportation & Location           19. Street Centerlines           20. Railroads           21. Address Points (Addressing)           Natural Features           22. Stream & Lakes           Onthophotography & LIDAR           23. Orthophotography & LIDAR           23. Orthophotography & LIDAR           23. Orthophotography & LIDAR           24. Elevation Data - LIDAR & Terrain           25. Orthol Index           Emergency Service Layers           26. CivilMunicipal Boundary           27. Cenetery and Trailer Parks           Annual Maintenance and Quality Control <td< td=""><td>3. Annotation (100-scale and 400-scale)</td><td></td><td></td><td></td></td<>	3. Annotation (100-scale and 400-scale)				
6. E cosements (new and historic) 7. Road Right-of-Ways (new and historic) 8. County & USS Townships, Sections & Quarter Sections 9. Corner, Corner Coordinate, Monument 10. Tax Map Index 11. Condominium Table 12. Farm Land Use 13. Municipal Boudaries and Extra-Territarial Jurisdictions (EIJ) 14. Annexations 15. Political Townships 16. Taxing Districts - 16 Districts (current and previous revenue years) 17. Voling Precincts 18. County Board Districts 19. Street Centerlines 20. Railroads 21. Address Points (Addressing) Natural Features 22. Stream & Lakes Orthophotography & LiDAR 23. Orthophotography & LiDAR 23. Orthophotography & LiDAR & Terrain 25. Ortho Index Emergency Service Layers 26. CidlMunicipal Boundary 27. Cemetery and Trailer Parks Annual Maintenance and Quality Control 88.00 88.00 88.00 Improvement Tasks 26.00 18.00 106.00  Consortium Support 25.00 25.00 25.00  Data Distribution 44.00 44.00 44.00  Education and Training 6.00 6.00 6.00					
7. Road Right-of-Ways [new and historic] 8. County & PLSS Townships, Sections & Quarier Sections 9. Corner, Corner Coordinate, Monument 10. Tax Map Index 11. Condominium Table 12. Farm Land Use Administrative Boundaries 13. Municipal Boudaries and Extra-Territorial Jurisdictions (ETJ) 14. Annexations 15. Political Townships 16. Taxing Districts - 16 Districts (current and previous revenue years) 17. Voting Precincts 18. County Board Districts 17. Australia Francisco 19. Street Centerlines 20. Railroads 21. Address Points (Addressing) Natural Features 22. Stream & Lakes					
8. County & PLSS Townships, Sections & Quarter Sections 9. Corner, Corner Coordinate, Monument 10. Tax Map Index 11. Condominium Table 12. Farm Land Use Administrative Boundaries 13. Municipal Boudaries and Extra-Territorial Jurisdictions (ETJ) 14. Annexations 15. Political Townships 16. Taxing Districts - 16 Districts (current and previous revenue years) 17. Voling Precincts 18. County Board Districts Transportation & Location 19. Street Centerlines 20. Railroads 21. Address Points (Addressing) Natural Features 22. Stream & Lokes Orthophotography & LiDAR 23. Orthophotography & LiDAR 23. Orthophotography & LiDAR & Terrain 25. Ortho Index Emergency Service Layers 26. CivilMunicipal Boundary 27. Cemetery and Trailer Parks Annual Maintenance and Quality Control B8.00 B8.00 B8.00 Improvement Tasks GIS Data Layers Total: 111.00 106.00 106.00 Consortium Support 25.00 40.00 40.00 40.00 Management 48.00 40.00 40.00 Management 48.00 40.00 6.00 Education and Training					
9. Corner, Corner Coordinate, Monument 10. Tox Map Index 11. Condominium Table 12. Farm Land Use Administrative Boundaries 13. Municipal Boudaries and Extra-Territorial Jurisdictions (ETJ) 14. Annexations 15. Political Townships 16. Taxing Districts - 16 Districts (current and previous revenue years) 17. Voting Precincts 18. County Board Districts 18. County Board Districts 19. Street Centerlines 20. Railroads 21. Address Points (Addressing) Natural Features 22. Stream & Lakes Onthophotography & LiDAR 23. Orthophotography & LiDAR 24. Elevation Data - LiDAR & Terrain 25. Ortho Index Emergency Service Layers 26. CiMiMunicipal Boundary 27. Cemetery and Trailer Parks Annual Maintenance and Quality Control  GIS Data Layers Totals: 114.00 106.00 106.00  Consortium Support 25.00 25.00 25.00  Data Distribution 44.00 44.00 44.00  Management 48.00 44.00 44.00  Education and Training 6.00 6.00 6.00	8 County & PLSS Townships Sections & Quarter Sections				
10. Tax Map Index   11. Condominium Table   12. Farm Inad Use   Administrative Boundaries   13. Municipal Boudaries and Extra-Territorial Jurisdictions (ETJ)   14. Annexations   15. Political Townships   16. Taxing Districts - 16 Districts (current and previous revenue years)   17. Voting Precincts   18. County Board Districts   18. County Board Districts   19. Street Centerlines   19. Street Centerlines   20. Railroads   21. Address Points (Addressing)   Natural Features   22. Street Centerlines   22. Street Centerlines   23. Orthophotography & UDAR   23. Orthophotography & UDAR   23. Orthophotography & UDAR   24. Elevation Data - UDAR & Terrain   25. Ortho Index   Emergency Service Layers   26. CivilMunicipal Boundary   27. Cemetery and Trailer Parks   26. CivilMunicipal Boundary   27. Cemetery and Trailer Parks   26. On the Index   26. On the Index   27. On the Index	9 Corner Corner Coordinate Monument				
1.1	110. Tax Map Index				
12. Form Land Use   Administrative Boundaries   Administrative Boundaries   13. Municipal Boudaries and Extra-Territorial Jurisdictions (ETJ)   14. Annexations   15. Political Townships   16. Taxing Districts - 16 Districts (current and previous revenue years)   17. Voting Precincts   18. County Board Districts   17. Voting Precincts   18. County Board Districts   19. Street Centerlines   19. Street Centerlines   20. Railroads   21. Address Points (Addressing)   Natural Features   22. Stream & Lakes   23. Orthophotography & LiDAR   Districts   23. Orthophotography & LiDAR   Districts   24. Elevation Data - LiDAR & Terrain   25. Ortho Index   26. CivilMunicipal Boundary   27. Cemetery and Trailer Parks   28.00   88.00   88.00   88.00   Improvement Tasks   26.00   18.00   18.00   Improvement Tasks   25.00   25.	11. Condominium Table				
13. Municipal Boudaries and Extra-Territorial Jurisdictions (ETJ) 14. Annexations 15. Political Townships 16. Taxing Districts - 16 Districts (current and previous revenue years) 17. Voting Precincts 18. County Board Districts 19. Street Centerlines 20. Railroads 21. Address Points (Addressing) Notural Features 22. Stream & Lakes Orthophotography & LiDAR 23. Orthophotography & LiDAR 24. Elevation Data - LiDAR & Terrain 25. Ortho Index Emergency Service Layers 26. CivilMunicipal Boundary 27. Cemetery and Trailer Parks Annual Maintenance and Quality Control Improvement Tasks  GIS Data Layers Total:  Consortium Support 25.00  Consortium Support 48.00  40.00  Management 48.00  44.00  40.00  Education and Training 6.00  6.00  6.00  6.00  6.00  6.00  6.00					
1.4. Annexations   1.5.   Political Townships   1.6.   Taxing Districts - 1.6 Districts (current and previous revenue years)   1.7.   Voting Precincts   1.8.   County Board Districts   1.8.   County Board Districts   1.8.   County Board Districts   1.9.   Street Centerlines   2.0.   Railroads   2.1.   Address Points (Addressing)   Natural Features   2.2.   Stream & Lakes   2.2.   Stream & Lakes   2.3.   Conthophotography & LiDAR   2.3.   Orthophotography & LiDAR   2.3.   Orthophotography & LiDAR   2.3.   Orthophotography & LiDAR & Terrain   2.5.   Orthol Index   Emergency Service Layers   2.6.   CivilMunicipal Boundary   2.7.   Cemetery and Trailer Parks   Annual Maintenance and Quality Control   88.00   88.00   88.00   Improvement Tasks   26.00   18.00   18.00   Consortium Support   25.00   25.00   25.00   Data Distribution   42.00   40.00   40.00   Management   48.00   44.00   44.00   Education and Trailing   6.00   6.00   6.00   6.00   Education and Trailing   6.00   6					
15. Political Townships         16. Taxing Districts - 16 Districts (current and previous revenue years)         17. Voting Precincts         18. County Board Districts         Iransportation & Location         19. Street Centerlines         20. Railroads         21. Address Points (Addressing)         Natural Features         22. Stream & Lokes         Orthophotography & LiDAR         23. Orthophotography & LiDAR         24. Elevation Data - LiDAR & Terrain         25. Ortho Index         Emergency Service Layers         26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00       88.00         Improvement Tasks       26.00       18.00       18.00         Consortium Support       25.00       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00	13. Municipal Boudaries and Extra-Territorial Jurisdictions (ETJ)				
1.6. Taxing Districts - 16 Districts (current and previous revenue years)         1.7. Voting Precincts         18. County Board Districts         Transportation & Location         19. Street Centerlines         20. Railroads         21. Address Points (Addressing)         Natural Features         22. Stream & Lakes         Orthophotography & LiDAR         23. Orthophotography & LiDAR         24. Elevation Data - LiDAR & Terrain         25. Ortho Index         Emergency Service Layers         26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00       88.00       88.00         Improvement Tasks       26.00       18.00       18.00         GIS Data Layers Total:       114.00       106.00       106.00         Consortium Support       25.00       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00					
17. Voting Precincts         18. County Board Districts         Transportation & Location         19. Street Centerlines         20. Roilroads         21. Address Points (Addressing)         Natural Features         22. Stream & Lakes         Orthophotography & LiDAR         23. Orthophotography & LiDAR         24. Elevation Data - LiDAR & Terrain         25. Ortho Index         Emergency Service Layers         26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00       88.00       88.00         Improvement Tasks       26.00       18.00       18.00         Consortium Support       25.00       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00					
18. County Board Districts         Transportation & Location         19. Street Centerlines         20. Railroads         21. Address Points (Addressing)         Natural Features         22. Stream & Lakes         Orthophotography & LiDAR         23. Orthophotography         24. Elevation Data - LiDAR & Terrain         25. Ortho Index         Emergency Service Layers         26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00       88.00       88.00         Improvement Tasks       26.00       18.00       18.00         Consortium Support       25.00       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00					
Transportation & Location     19.					
19. Street Centerlines         20. Railroads         21. Address Points (Addressing)         Natural Features         22. Stream & Lakes         Orthophotography & LiDAR         23. Orthophotography         24. Elevation Data - LiDAR & Terrain         25. Ortho Index         Emergency Service Layers         26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00       88.00       88.00         Improvement Tasks       26.00       18.00       18.00         Consortium Support       25.00       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00					
20. Railroads         21. Address Points (Addressing)         Natural Features         22. Stream & Lakes         Orthophotography & LiDAR         23. Orthophotography         24. Elevation Data - LiDAR & Terrain         25. Ortho Index         Emergency Service Layers         26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00       88.00       88.00         Improvement Tasks       26.00       18.00       18.00         Consortium Support       25.00       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00					
21. Address Points (Addressing)         Natural Features         22. Stream & Lakes         Orthophotography & LiDAR         23. Orthophotography         24. Elevation Data - LiDAR & Terrain         25. Ortho Index         Emergency Service Layers         26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00       88.00       88.00         Improvement Tasks       26.00       18.00       18.00         Consortium Support       25.00       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00					
Natural Features         22. Stream & Lakes         Orthophotography & LiDAR         23. Orthophotography         24. Elevation Data - LiDAR & Terrain         25. Ortho Index         Emergency Service Layers         26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00       88.00       88.00         Improvement Tasks       26.00       18.00       18.00         GIS Data Layers Total:       114.00       106.00       106.00         Consortium Support       25.00       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00					
22. Stream & Lakes         Orthophotography & LiDAR         23. Orthophotography         24. Elevation Data - LiDAR & Terrain         25. Ortho Index         Emergency Service Layers         26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00       88.00       88.00         Improvement Tasks       26.00       18.00       18.00         GIS Data Layers Total:       114.00       106.00       106.00         Consortium Support       25.00       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
Orthophotography & LiDAR         23. Orthophotography					
24. Elevation Data - LiDAR & Terrain         25. Ortho Index         Emergency Service Layers         26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00         Improvement Tasks       26.00         GIS Data Layers Total:       114.00         Consortium Support       25.00         Data Distribution       42.00         Management       48.00         Education and Training       6.00					
25. Ortho Index         Emergency Service Layers         26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00         Improvement Tasks       26.00         GIS Data Layers Total:       114.00         106.00       106.00         Consortium Support       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00	23. Orthophotography				
Emergency Service Layers           26. CivilMunicipal Boundary           27. Cemetery and Trailer Parks           Annual Maintenance and Quality Control         88.00         88.00         88.00           Improvement Tasks         26.00         18.00         18.00           Consortium Support         25.00         25.00         25.00           Data Distribution         42.00         40.00         40.00           Management         48.00         44.00         44.00           Education and Training         6.00         6.00         6.00	24. Elevation Data - LiDAR & Terrain				
26. CivilMunicipal Boundary         27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00       88.00       88.00         Improvement Tasks       26.00       18.00       18.00         Consortium Support       25.00       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00	· · ·				
27. Cemetery and Trailer Parks         Annual Maintenance and Quality Control       88.00       88.00       88.00         Improvement Tasks       26.00       18.00       18.00         Consortium Support       25.00       25.00       25.00         Data Distribution       42.00       40.00       40.00         Management       48.00       44.00       44.00         Education and Training       6.00       6.00       6.00					
Annual Maintenance and Quality Control         88.00         88.00         88.00           Improvement Tasks         26.00         18.00         18.00           GIS Data Layers Total:         114.00         106.00         106.00           Consortium Support         25.00         25.00         25.00           Data Distribution         42.00         40.00         40.00           Management         48.00         44.00         44.00           Education and Training         6.00         6.00         6.00					
Improvement Tasks         26.00         18.00         18.00           GIS Data Layers Total:         114.00         106.00         106.00           Consortium Support         25.00         25.00         25.00           Data Distribution         42.00         40.00         40.00           Management         48.00         44.00         44.00           Education and Training         6.00         6.00         6.00					
GIS Data Layers Total:         114.00         106.00         106.00           Consortium Support         25.00         25.00         25.00           Data Distribution         42.00         40.00         40.00           Management         48.00         44.00         44.00           Education and Training         6.00         6.00         6.00	Annual Maintenance and Quality Control	88.00	88.00	88.00	
Consortium Support         25.00         25.00         25.00           Data Distribution         42.00         40.00         40.00           Management         48.00         44.00         44.00           Education and Training         6.00         6.00         6.00	Improvement Tasks	26.00	18.00	18.00	
Data Distribution         42.00         40.00         40.00           Management         48.00         44.00         44.00           Education and Training         6.00         6.00         6.00	GIS Data Layers Total:	114.00	106.00	106.00	
Management         48.00         44.00         44.00           Education and Training         6.00         6.00         6.00	Consortium Support	25.00	25.00	25.00	
Education and Training         6.00         6.00         6.00	Data Distribution	42.00	40.00	40.00	
	Management	48.00	44.00	44.00	
CCGISC Core Services & Support Functions Total: 235.00 221.00 221.00	Education and Training	6.00	6.00	6.00	
	CCGISC Core Services & Support Functions Total:	235.00	221.00	221.00	

Champaign County GIS Consortium 3-Year Labor/Service Allocation Projection	FY2014 Number of Weeks	FY2015 Number of Weeks	FY2016 Number of Weeks
Work Tasks			
1. Clip and Ship WebMap Interface	15.00		
2. Eliminate Unnecessary Vertices from Street Centerlines	10.00	14.00	
3. Create Routing Information for Street Centerlines	3.00	4.00	
4. Gather Critical Building Plans and Create Hyperlinks	<u> </u>		9.00
5. Gather, Process and Distribute Historic Orthophotography	-	-	9.00
Work Tasks Total:	28.00	18.00	18.00
Technical Service C	Technical Service Contracts		
1. Piatt County	15.00	15.00	15.00
2. Urbana-Champaign Sanitary District	3.00	3.00	3.00
3. City of Champaign	11.00	11.00	11.00
4. Village of Mahomet	3.00	3.00	3.00
5. Other	5.00	5.00	5.00
Local Contract Total:	37.00	37.00	37.00
Total Allocation:	300.00	276.00	276.00
Total Available Weeks:	300.00	276.00	276.00
Percent Allocated:	100%	100%	100%

# Section 2B. Financial Projections

# Section 3. Budget Index

Exhibit I – Line-Item Consortium Budget - Proposed

Exhibit II – Orthophotography Budget - Proposed

Exhibit II – Member Contributions 2005-2013 and Proposed 2014



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

To: CCGISC Technical Committee
From: Leanne Brehob-Riley, GIS Director

Date: July 1, 2013

Re: Image Server Extension – New Business Agenda Item B

# **ArcGIS Server Image Extension**

The Image extension supports dynamic mosaicking and on-the-fly processing for a large numbers of images. The use of the extension to manage our imagery will allow us to dramatically reduce the amount of server space we utilize to store and distribute imagery. The purchase price of the extension is \$9,000.00. The staff time saved in image processing and server management as well as the long-term reduction in server space justifies this cost.

As published by ESRI below you will find a comprehensive list of the benefits of image extension.

- Simplifies image management by allowing users to directly publish large image collections without preprocessing
- Dynamically mosaicks together images in different projections, formats, locations, and pixel sizes
- Fast, server-based processing, enabling on-the-fly creation of multiple image products from a single source
- Provides important service- and image-level metadata
- Effortless distribution serving very large volumes and numbers of rasters to a large range of client applications



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

# **FY2013 Work Plan Status Report**

	Task	Status
	Improveme	
Update Corr	ner/Corner Coordinate/Monument Feature Classes	THE FUSING
1-A	Obtain new tie/monument sheets recorded since 2004	to begin in FY2014
1-B	Hyperlink available tie-sheets to Corners Feature Class	in progress; Parkland GIS Seminar Class
	sive Review of Annexation Layer	
2-A	Review drawn annexations from 1950 through date	began in FY2013, anticpate completion in FY2016
	Plats and Legal Descriptions	7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
	Locate and scan legal describtions that correspond to scanned	
3-A	subdivision plat maps.	complete
3-B	Combine scanned legal descriptions with scanned subdivision	complete
	plat maps into a single Adobe PDF file.	oomprete
3-C	Place Adobe PDF file on file server and hyperlink to subdivision polygon	complete
Comprehen	sive Review of Subdivision Table	
4-A	Remove duplicate entries	complete
4-B	Investigate and when possible fill in missing attribute	complete
4-0	information	Complete
Developmen	nt of Formal Workflow and Quality Control Procedures	
5-A	Refine Tax Cycle workflow, QC processes and GIS calendar timeframes	ongoing; refinements are periodically made
	Develop formal workflow, QC procedures, and GIS calendar	draft QC procedures created; need to be reviewed and entered into GIS
5-B	entries for County Precincts	calendar
Review and	Update the SDE Database Design	
6-A	Review the Corner/Corner Coordinate/Monument feature classes,	in progress; Parkland GIS Seminar Class
	i.e. fields, domains, etc.	
6-B	Review the Transportation feature dataset	began in FY2013, anticpate completion by end of FY2013 (County)
6-C	Review the Address feature class	began in FY2013, anticpate completion by 3rd quarter of FY2013 (County)
Added Item	Review Sanitary Sewer feature dataset	in progress; anticipate completion by end of FY2013
	Work Pla	n Tasks
County-wide	e Addressing Project	
1-A	Compile Master Street List for all Communities in County	complete
1-B	Compose and Approve Address Standards Document	in progess
1-C	Launch First Verions of Address Maintenance Web Application	under development; anticipate completion before end of FY2013 (County)
Easement N		
2-A	Map 2009 Easements	complete; easements from 2008 mapped
Gather and	Distribute Historic Aerial/Ortho-imagery	
3-A	Process 1-set of historic imagery for Champaign County	to begin in 3rd quarter of FY2013 (County)
3-B	Gather Historic Imagery Sources and list in Historic Imagery Spreadsheet	ongoing
	Contract	Tasks
1 ^		continuous maintenance; presenting Scope of Services for Interactive
1-A	Piatt County	Webmap @ July 3rd Mapping Meeting
[		in progess; waiting on address verication from agencies; create script to
1-B	METCAD	push data to a METCAD server; generate intersection points; alternate
1-C	EMA	street names. in progress; anticipated completion date November 30, 2013
1-C 1-D	Village of Savoy - Address Points	completed
1-E	City of Champaign	in progress
1-L	City of Champaign	III bi ogi caa