



Meeting Announcement

GIS POLICY COMMITTEE MEETING

Friday, March 5, 2021 at 11:00am

ONLINE/ZOOM MEETING

COMMITTEE MEMBERS

M.C. Neal – *Chair*

Christopher Walton – *Vice Chair*

James Sims

Greg Hazel

Sanford Hess

Kelly Pfeifer

Mark Toalson

AGENDA

- I. **Call to Order**
- II. **Roll Call – Sign-in Sheet**
- III. **Approval of Agenda**
- IV. **Approval of Minutes**
 - A. *October 16, 2020*
- V. **Financial Statements**
 - A. *FY2020 - 1/1/2020 through 12/31/2020 - not final*
 - B. *FY2021 – 1/01/2021 through 1/01/2021*
- VI. **Business Items**
 - A. *Approval to Award Lidar Enhancement Services Contract*
 - B. *Approval of Fiscal Year 2021 Budget Adjustments to Accommodate LiDAR Enhancements*
 - C. *METCAD Services*
 - D. *GIS Director's Report*



GIS Policy Committee

MINUTES – SUBJECT TO REVIEW AND APPROVAL

DATE: Friday, October 16, 2020
TIME: 11:00 am
PLACE: Via Zoom and in the Lyle Shields Meeting Room
Brookens Administrative Center
1776 E. Washington St.
Urbana, Illinois

Consortium Member Agencies	Present	Absent
Champaign	Mark Toalson	
Urbana	Sanford Hess	
Rantoul	Jake McCoy	Greg Hazel
Champaign County	Andy Rhodes (Chair)	
UIUC	Chad Kupferschmid (alternate)	
Mahomet	Kelly Pfeifer	
Savoy	Christopher Walton (Vice Chair)	

Others: None

CCGIS Staff: Leanne Brehob-Riley (Director), Mary Ward (Recording Secretary)

MINUTES

I. Call to Order

Mr. Rhodes called the meeting to order at 11:00 a.m.
Christopher Walton of the Village of Savoy was welcomed as a new member.

II. Roll Call

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

III. Approval of Agenda

MOTION by Mr. Hess to approve the agenda as distributed; second by Mr. Toalson. Upon vote, the **MOTION CARRIED** unanimously.

IV. Approval of Minutes

A. July 10, 2020 Regular Meeting

MOTION by Mr. Toalson to approve the July 10, 2020 minutes as distributed; second by Mr. Hess. Upon vote, the **MOTION CARRIED** unanimously.

V. Financial Statements

- A. *FY2020 – 1/1/20 through 09/30/2020*
- B. *Receive and Place on File – FY2018 CCGISC External audit*

Ms. Brehob-Riley presented the Financial Report. Mr. Toalson asked about the revenue income from the local governments. Ms. Brehob-Riley stated that almost everyone has paid. The checks are in the Treasurer's Office to be receipted.

MOTION by Mr. Walton to put these reports on record; second by Mr. Hess. Upon vote, the **MOTION CARRIED** unanimously.

VI. Business Items

- A. *Approval of the 2021 CCGISC Policy Committee Schedule*

Ms. Brehob-Riley presented the proposed committee meeting schedule.

MOTON by Mr. Walton to approve the Committee Schedule; second by Ms. Pfeifer. Upon vote, the **MOTION CARRIED** unanimously.

- B. *GIS Director's Report*

Ms. Brehob-Riley gave the Director's Report.

OrthoImagery

Original delivery of the TIF tiles were supplied to the respective agencies. There were a few edits requested in the Champaign/Urbana area. We have since received the final delivery of TIF tiles, JPG tiles and County Mosaics. Distribution of these items will begin next week. All apps have been updated to include 2020 ortho-imagery. Mr. Toalson asked about the resolution of the ortho-imagery. Ms. Brehob-Riley stated the ortho-imagery was acquired at a 6-inch pixel resolution. Costs to increase the resolution can be obtained in future acquisition years.

Lidar

The LiDAR should be received by year-end. Contours are not included as part of the delivery. Ms. Brehob-Riley reached to vendors to get general cost estimates to obtain 1-ft contours; the cost is not outrageous.

METCAD

CCGISC staff have been working with METCAD to update/create the required GIS data the migration to the Tyler New World CAD system. Most of the data updates are complete and testing has begun. METCAD is set to go live on 1/19/21.

Sanitary Sewer

The data was provided to Innovyze for model creation. Innovyze plans to hold virtual training and at least one CCGISC staff member will be included.

DEVNET

The County is still waiting on DevNet to import tax history prior to 2000 and a few other data tables. Ms. Brehob-Riley plans to meet with County Administration soon to discuss.

Datum Updates/Single State Plane Zone

The National Geodetic Survey is in process of replacing the North American Datum of 1983 (NAD83) and North American Vertical Datum of 1988 (NAVD 88). Also, Illinois plans to adopt a new statewide system. This will likely happen in 2022. There is benefit to obtaining an early understanding of the upcoming changes. To that end, Ms. Brehob-Riley contacted Mr. Todd Horton from Parkland College and he is willing to hold a presentation for the local agencies on the upcoming changes. Once scheduled, the agencies will be notified.

Failover and Blob Storage

Several months ago, County IT initiated a test with Azure Site Recovery (ASR) with one of our servers. Based on the test and knowledge gained by one of the County Systems Administrators, IT recommends the use of replication rather than ASR. It is a less expensive option with more County control and less failback downtime. It is unclear if this option is feasible as the County would need to invest in infrastructure and investigate possible data center options. If necessary, County IT will proceed with ASR as time allows, they are currently short-staffed. At a minimum CCGISC hopes to push the SQL backups to BLOB storage in Azure prior to the end of the year. This will at least ensure off-network/off-site backup of the GIS databases.

Mr. Toalson asked how much space was needed for replication and offered METCAD or the U of I as possible options.

Mr. Hess asked if this Committee would have the ability to continue with virtual meetings after the Emergency Order ends. It was stated that meetings will need to go back to in-person meetings following the guidelines in the Open Meetings Act (OMA). However, the OMA does allow for some concessions if a policy is approved by the governing board. Ms. Brehob-Riley to work on developing a policy for future approval.

VII. Adjournment

Mr. Rhodes adjourned the meeting at 11:30 a.m.

GIS Consortium
FY2020 (01/01/2020-12/31/2020) Financial Report
Fund 850

REVENUE	Budgeted	Actual YTD 12/31/2020	Actual % of Budget	Unrealized Balance	
Budgeted Local Government					
Champaign County	\$315,813.00	\$244,398.03	77.39%	\$71,414.97	
City of Champaign	\$81,538.00	\$4,614.19	5.66%	\$76,923.81	
City of Urbana	\$48,199.00	\$44,557.79	92.45%	\$3,641.21	
Douglas County	\$28,577.00	\$28,576.19	100.00%	\$0.81	
Piatt County	\$50,000.00	\$34,195.49	68.39%	\$15,804.51	
University of Illinois	\$37,956.00	\$1,169.00	3.08%	\$36,787.00	
Urbana Champaign Sanitary District	\$0.00	\$1,156.25	0.00%	- \$1,156.25	
Village of Mahomet	\$17,637.00	\$16,152.16	91.58%	\$1,484.84	
Village of Rantoul	\$26,257.00	\$25,873.03	98.54%	\$383.97	
Village of Savoy	\$15,960.00	\$18,710.50	117.23%	- \$2,750.50	
Local Government Total	\$621,937.00	\$419,402.63	67.43%	\$202,534.37	
Local Government Reimbursement	\$22,123.00	\$21,985.00	99.38%	\$138.00	
Charges for Services	\$54,000.00	\$58,184.09	107.75%	- \$4,184.09	
Investment Interest	\$5,000.00	\$1,438.13	28.76%	\$3,561.87	
Maps & Data Sales	\$13,500.00	\$4,983.14	36.91%	\$8,516.86	
Interdepartment Transfers	\$65,000.00	\$0.00	0.00%	\$65,000.00	
REVENUE TOTAL	\$781,560.00	\$505,992.99	64.74%	\$275,567.01	
EXPENDITURE	Budgeted (Original)	Budgeted (Amended)	Actual YTD 12/31/2020	Actual % of Budget	Unencumbered Balance
Personnel					
Salaries & Wages	\$355,216.00	\$355,216.00	\$355,130.98	99.98%	\$85.02
Fringe Benefits	\$118,740.00	\$118,740.00	\$82,031.81	69.09%	\$36,708.19
Personnel Total	\$473,956.00	\$473,956.00	\$437,162.79	92.24%	\$36,793.21
Commodities	\$24,702.00	\$16,691.00	\$10,281.50	61.60%	\$6,409.50
Services					
Audit	\$11,500.00	\$11,500.00	\$0.00	0.00%	\$11,500.00
Professional Services	\$152,000.00	\$220,433.00	\$172,496.42	78.25%	\$47,936.58
Job Required Travel	\$500.00	\$500.00	\$226.56	45.31%	\$273.44
Utilities	\$2,250.00	\$2,250.00	\$1,412.74	62.79%	\$837.26
Computer/InfoTech Services	\$10,627.00	\$18,638.00	\$10,667.61	57.24%	\$7,970.39
Telephone Service	\$1,000.00	\$1,000.00	\$795.98	79.60%	\$204.02
Equipment Maintenance	\$45,525.00	\$45,525.00	\$35,636.30	78.28%	\$9,888.70
Conferences & Training	\$3,000.00	\$3,000.00	\$167.00	5.57%	\$2,833.00
All Other Services	\$9,000.00	\$9,000.00	\$6,278.92	69.77%	\$2,721.08
Services Total	\$235,402.00	\$311,846.00	\$227,681.53	73.01%	\$84,164.47
Capital	\$9,000.00	\$9,000.00	\$0.00	0.00%	\$9,000.00
Transfer to General County Fund	\$921.00	\$921.00	\$0.00	0.00%	\$921.00
Interdepartment Transfers	\$65,000.00	\$65,000.00	\$0.00	0.00%	\$65,000.00
EXPENDITURE TOTAL	\$808,981.00	\$877,414.00	\$675,125.82	76.94%	\$202,288.18

850 FUND BALANCE - 01/01/2020	Balance
FY2020 Beginning Fund Balance (unaudited)	\$528,488.80
Reserve for Aerial Photography	- \$94,696.04
10% Restricted Reserve	- \$57,157.20
Restricted Capital and Technology Reserve	- \$51,482.67
FY2020 Remaining Unreserved Fund Balance (unaudited)	\$325,152.89

GIS Consortium
FY2021 (01/01/2021-12/31/2021) Financial Report
Fund 850

REVENUE	Budgeted	Actual YTD 01/31/2021	Actual % of Budget	Unrealized Balance	
Budgeted Local Government					
Champaign County	\$314,032.00	\$0.00	0.00%	\$314,032.00	
City of Champaign	\$73,522.00	\$0.00	0.00%	\$73,522.00	
City of Urbana	\$41,830.00	\$0.00	0.00%	\$41,830.00	
University of Illinois	\$37,294.00	\$0.00	0.00%	\$37,294.00	
Urbana Champaign Sanitary District	\$1,157.00	\$0.00	0.00%	\$1,157.00	
Village of Mahomet	\$17,267.00	\$0.00	0.00%	\$17,267.00	
Village of Rantoul	\$25,935.00	\$0.00	0.00%	\$25,935.00	
Village of Savoy	\$18,450.00	\$0.00	0.00%	\$18,450.00	
Local Government Total	\$529,487.00	\$0.00	0.00%	\$529,487.00	
Local Government Reimbursement	\$23,008.00	\$0.00	0.00%	\$23,008.00	
Charges for Services	\$54,000.00	\$0.00	0.00%	\$54,000.00	
Investment Interest	\$5,500.00	\$0.00	0.00%	\$5,500.00	
Maps & Data Sales	\$13,500.00	\$0.00	0.00%	\$13,500.00	
Interdepartment Transfers	\$57,000.00	\$0.00	0.00%	\$57,000.00	
REVENUE TOTAL	\$682,495.00	\$0.00	0.00%	\$682,495.00	
EXPENDITURE	Budgeted (Original)	Budgeted (Amended)	Actual YTD 01/31/2021	Actual % of Budget	Unencumbered Balance
Personnel					
Salaries & Wages	\$362,804.00	\$362,804.00	\$22,480.45	6.20%	\$340,323.55
Fringe Benefits	\$122,037.00	\$122,037.00	\$1,196.90	0.98%	\$120,840.10
Personnel Total	\$484,841.00	\$484,841.00	\$23,677.35	4.88%	\$461,163.65
Commodities	\$15,050.00	\$15,050.00	\$0.00	0.00%	\$15,050.00
Services					
Audit	\$11,500.00	\$11,500.00	\$0.00	0.00%	\$11,500.00
Professional Services	\$2,000.00	\$2,000.00	\$0.00	0.00%	\$2,000.00
Job Required Travel	\$500.00	\$500.00	\$0.00	0.00%	\$500.00
Utilities	\$2,250.00	\$2,250.00	\$0.00	0.00%	\$2,250.00
Computer/InfoTech Services	\$23,000.00	\$23,000.00	\$0.00	0.00%	\$23,000.00
Telephone Service	\$1,000.00	\$1,000.00	\$0.00	0.00%	\$1,000.00
Equipment Maintenance	\$45,625.00	\$45,625.00	\$0.00	0.00%	\$45,625.00
Conferences & Training	\$3,000.00	\$3,000.00	\$0.00	0.00%	\$3,000.00
All Other Services	\$9,000.00	\$9,000.00	\$0.00	0.00%	\$9,000.00
Services Total	\$97,875.00	\$97,875.00	\$0.00	0.00%	\$97,875.00
Transfer to General County Fund	\$10,000.00	\$10,000.00	\$0.00	0.00%	\$10,000.00
Interdepartment Transfers	\$57,000.00	\$57,000.00	\$0.00	0.00%	\$57,000.00
EXPENDITURE TOTAL	\$664,766.00	\$664,766.00	\$23,677.35	3.56%	\$641,088.65

Beginning Fund Balance not available at this time



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

To: CCGISC Policy Committee
From: Leanne Brehob-Riley, GIS Director
Date: March 5, 2021
Re: LiDAR Enhancement Award Recommendation

Request

Approval to award a LiDAR Enhancement contract to Aerial Services, Inc. (ASI) and the authority to execute the contract based upon the information provided below.

Background – LiDAR Enhancement Quote Request

Contours were not a deliverable in the 2019/2020 3DEP LiDAR acquisition project. The member agencies have voiced the need for updated contours. On January 29, 2021 a quote request was issued to enhance the LiDAR deliverables and obtain 1-ft county-wide contours (*see Appendix A*). The requested enhancements include additional breakline mapping, updated **hydro-flattened** bare-earth DEM, 1ft contours, and building footprints (*City of Champaign only*). The City of Champaign will be solely responsible for costs associated to the acquisition of building footprints.

Please Note: Neither a hydro-flattened DEM nor the contours generated from a hydro-flattened DEM can be used for hydraulic or hydrologic modeling.

Recommendation – LiDAR Enhancement Award

Technical Representatives recommend awarding the LiDAR enhancement contract to Aerial Services, Inc. (ASI) of Cedar Falls, Iowa for a total amount of \$27,900. Using the ortho-imagery formula, the proposed cost breakdown is as follows:

Agency	% of Acquisition	Lidar Enhancement	Building Footprints	ASI TOTAL COST
Champaign County Admin	25.00%	\$ 5,475.00	\$ -	\$ 5,475.00
Champaign County Highway*	25.00%	\$ 5,475.00	\$ -	\$ 5,475.00
Champaign County Total	50.00%	\$ 10,950.00	\$ -	\$ 10,950.00
City of Champaign	18.32%	\$ 4,013.05	\$ 6,000.00	\$ 10,013.05
City of Urbana	10.29%	\$ 2,253.61	\$ -	\$ 2,253.61
Village of Rantoul	4.58%	\$ 1,002.24	\$ -	\$ 1,002.24
Village of Mahomet	3.66%	\$ 801.56	\$ -	\$ 801.56
Village of Savoy	3.70%	\$ 810.73	\$ -	\$ 810.73
University of Illinois	9.45%	\$ 2,068.81	\$ -	\$ 2,068.81
	100.00%	\$ 21,900.00	\$ 6,000.00	\$ 27,900.00

* The County Highway Department has agreed to contribute 1/2 of the County contribution

Ortho-imagery Cost Formula: 1/2 of costs covered by County; 1/2 cost split between the remaining member agencies based upon the proportionate share of their membership assessment

Summary & Recommendation Rationale of Received Quotes

Five responses to the quote request were received; a cost summary is provided in the table below.

	Breaklines	DEM <i>Hydro-Flattened</i>	Contours <i>1-ft</i>	Building Footprints <i>(City of Champaign Only)</i>	TOTAL COST
ASI	\$15,800.00	\$2,500.00	\$3,600.00	\$6,000.00	\$ 27,900.00
Ayres	\$18,100.00	<i>included in breakline cost</i>	\$5,650.00	\$6,250.00	\$ 30,000.00
Kucera	\$39,500.00	<i>included in breakline cost</i>	\$38,000.00	\$9,500.00	\$ 87,000.00
Sanborn	<i>included in total cost</i>	<i>included in total cost</i>	<i>included in total cost</i>	<i>included in total cost</i>	\$ 21,196.37
Surdex	\$16,380.00	\$7,020.00	\$105,000.00	\$7,800.00	\$ 136,200.00

Although the total cost from Sanborn was approximately \$2,100 less, the Technical Representatives selected ASI. ASI was chosen for their delivery timeframe, project approach, and on-shore labor. The quoted Sanborn cost was contingent on off-shore labor. In addition, ASI was the vendor that acquired/processed 2019/2020 Champaign County LiDAR 3DEP data for USGS.

The overall rankings of the quote responses are found below:

2021 LiDAR Enhancement Quote Response Ratings					
<i>1 to 5; 1 = first choice</i>					
low total value recommended					
	ASI	Ayres	Kucera	Sanborn	Surdex
County (Highway)	--	--	--	--	--
City of Champaign	1	2	4	5	3
City of Urbana	1	2	3	3	3
Village of Rantoul	1	2	4	3	4
Village of Mahomet	2	1	3	3	3
Village of Savoy	--	--	--	--	--
University (UIUC)	1	2	4	3	5
TOTAL:	6	9	18	17	18
Please Note: Savoy deferred to the group; ASI was acceptable to County Highway.					



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

Appendix A

From: Leanne Brehob-Riley, GIS Director
Date: January 29, 2021
Re: **Quote Request:** Contours, Breaklines, Building Footprints, DEM

Background

Champaign County acquired LIDAR data through a project with FEMA, USGS, and NRCS. **County-wide** LIDAR was acquired in the spring of 2020 at QL2+ (ANSP (≤ 0.5 meters; 4 ppsm)). In addition, LIDAR for the urbanized area of City of Champaign and the City of Urbana (~114 sq miles) was captured in the winter of 2019 at QL 1 (ANSP (≤ 0.35 meters, 8 ppsm)). Both acquisitions adhered to the *National Geospatial Program Lidar Base Specification Version 1.3*.

The classification scheme is as follows:

- Class 1 – Processed, but unclassified
- Class 2 – Bare-earth ground
- Class 3 – Low vegetation (0-5 ft)
- Class 4 – Medium vegetation (5-20 ft)
- Class 5 – High vegetation (>20 ft)
- Class 6 – Buildings
- Class 7 – Low Noise (low, manually identified, if necessary)
- Class 9 – Water
- Class 17 – Bridge Decks
- Class 18 – High Noise (high, manually identified, if necessary)
- Class 20 – Ignored Ground (breakline proximity)
- Class 21 – Snow (if present and identifiable)
- Class 22 – Temporal exclusion (typically non-favored data in intertidal zones, use as necessary)

Note: Classes 7 and 18 are included as a convenience for the data producer. It is was not required that all “noise” be assigned to those Classes.

For more detail, the project task order can be made available upon request.

Lidar Enhancement Request

COUNTY-WIDE ENHANCEMENTS

The Champaign County GIS Consortium (CCGISC) would like to obtain a quote to enhance its LIDAR deliverable. The following **county-wide** products of interest are as follows:

- Hydro Breaklines: Streams/Rivers (double line) 8ft wide or greater and Ponds/Lakes 1 acre or greater. *The existing deliverable contains breaklines for streams and rivers with a nominal width of 100' and ponds/lakes with a surface area of 2 or more acres.*
- Updated county-wide bare earth hydro-flattened DEM incorporating the additional hydro breaklines.
- 1-ft county-wide contours generated from the updated DEM.
Contours to be topologically clean - no overlapping lines, gaps, etc. with minimal line segments; attributes to include elevation, and the following contour types: index, intermediate, depression index and depression intermediate.
- Semi-automated 2D building outlines for the City of Champaign.

URBANIZED AREA ENHANCEMENTS (~114 SQ MILES)

Should the higher point density support the generation of a higher resolution DEM and smaller contour interval for the urbanized area, CCGISC is also interested in obtaining costs to generate these items for the urbanized QL1 area. To reduce costs, if possible, it is requested the hydro-breaklines within the urbanized QL1 area are only created once and properly incorporated to create both a county-wide DEM and an urbanized area DEM.

All requested products are to meet the industry standards, i.e. *National Geospatial Program Lidar Base Specification Version 1.3*, any current American Society for Photogrammetry and Remote Sensing standards relevant to the request, including positional accuracy standards, etc.

It is requested the quote include a brief description of the project approach, proposed format of deliverables, accuracy targets as well as any supplemental reports, accuracy or otherwise, to be included with the deliverable. It is also requested the costs for each requested enhancement be itemized and a delivery timeframe provided. **Please submit your quote to lbrehob-riley@co.champaign.il.us no later than Monday, February 22nd**

CCGISC will provide the existing Lidar deliverables, a GIS file of the urbanized area, and any other relevant information needed to complete the project.

Please Note: CCGISC is working with a limited budget and is open to entertaining creative methods to reduce costs while ensuring the final deliverables meet industry standards.



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

To: CCGISC Policy Committee
From: Leanne Brehob-Riley, GIS Director
Date: March 5, 2021
Re: Fiscal Year 2021 Budget Adjustments to Accommodate LiDAR Enhancements

FISCAL YEAR 2021 BUDGET ADJUSTMENTS FOR LIDAR ENHANCEMENTS

Contingent upon the Policy Committee approval to award a LiDAR Enhancement contract to Aerial Services, Inc. (*Agenda, Business Item A*), the following changes to the FY2021 CCGISC budget also require approval. These changes are necessary for CCGISC to act as the administrative agent for the project allowing all funds to pass through the Consortium budget.

Budgetary Adjustments - Fiscal Year 2021

REVENUE ADJUSTMENTS

Line Items	Entity	LiDAR Enhancements	Building Footprints <i>City of Champaign Only</i>	Revenue Increase
850-111-336.09	Champaign County	\$ 10,950.00	\$ -	\$ 10,950.00
336.01	City of Champaign	\$ 4,013.05	\$ 6,000.00	\$ 10,013.05
336.02	City of Urbana	\$ 2,253.61	\$ -	\$ 2,253.61
336.03	Village of Rantoul	\$ 1,002.24	\$ -	\$ 1,003.00
336.16	Village of Mahomet	\$ 801.56	\$ -	\$ 802.00
336.14	Village of Savoy	\$ 810.73	\$ -	\$ 811.00
336.06	University of Illinois	\$ 2,068.81	\$ -	\$ 2,069.00
TOTAL Revenue Increase		\$ 21,900.00	\$ 6,000.00	\$ 27,900.00

EXPENDITURE ADJUSTMENTS

Line Item	Description	Expenditure Increase
850-111-533.07	Professional Services	\$ 27,900.00
TOTAL Expenditure Increase		\$ 27,900.00



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

To: CCGISC Policy Committee
From: Leanne Brehob-Riley, GIS Director
Date: March 5, 2021
Re: METCAD Services

METCAD SERVICES

For several years CCGISC handled the GIS needs for METCAD without an agreement. Beginning on February 1, 2021 METCAD and CCGISC reached an agreement. The agreement term is from July 1st through June 30th and automatically renews each year. Changes to the agreement can be made via mutually agreed to amendments. Per the agreement, METCAD pays CCGISC an annual fee in return for GIS services. This fee is calculated each year using the following formula:

GIS Services Fees:

Per position, sum of (% of annual hours (3-year average) * position hourly rate (current year))

The average staff time spent over the previous three calendar years and the hourly cost rate of the CCGISC staff member performing the task.

Added to the established data hosting fee formula total

Data Hosting Fees:

(Annual Server Cost * % usage) + (Annual Software Cost * % usage) = Data Hosting Fee

Using this formula, the 2020 -2021 annual fees (07/01/2020 – 06/30/2021) total **\$8,087.86**. However, the initial term was prorated to 5-months (02/01/2021 – 06/30/2021) and totals **\$3,369.94**.

The fully executed agreement can be downloaded [here](#). Fee calculation details are provided in the tables below:

METCAD Agreement Calculations - GIS Services				
Total Hours - 3-year Average	142			
CCGIS Position	3-year Average %	Hourly Cost Rate current year	Hours 3-year average	GIS Services totals
Programmer	67%	\$ 55.01	94	\$ 5,196.35
Analyst	27%	\$ 47.60	39	\$ 1,854.14
Director	6%	\$ 67.94	8	\$ 566.31
Specialist	0%	\$ 37.98	0	\$ -
Total	100%		142	\$ 7,616.81

METCAD Agreement Calculations - Data Hosting			
	Cost	% Usage	Cost
Annual Server Costs * <i>server life 4-years</i>	\$ 2,500.00	5%	\$ 125.00
Annual Software Costs <i>Maintenance - SQL Server; ArcGIS Enterprise</i>	\$ 6,741.00	5%	\$ 337.05
		Total (rounded)	\$ 462.05



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

2020 Work Plan Status Report – Quarter 4

Task	Status
2020 Improvement Tasks (Short-term)	
Streamline, Organize and Document Script	
1 Implement script standards; organize and document existing scripts	in progress & on-going
Modernize Tax Map Book	
2 Change format of Tax Map book to seamless web-map application	postponed until 2021
CCGIS Website	
3 Overhaul CCGISC website; implement responsive design	postponed until 2021
Create Metadata (2019 Work Plan Task)	
4 Create metadata for layers and tables, etc.	task to begin in 2020; work will occur as time allows; anticipated completion in 2022
Sanitary Sewer Script Updates	
5 Implement script standards; organize and document existing scripts	complete
Migration to ArcPro	
6 Staff to utilize ArcPro as primary mapping software	in progress; to be completed in 2021
Automate Technical Service Contract Invoices	
7 Create database to generate technical service contract invoices	canceled; task handled by upcoming implementation of County Enterprise Resource Planning (ERP) system
Migrate Sales Database to SQL Server	
8 Migrate sales database from access to SQL Server and create a web-based interface	canceled; data to be stored in County Enterprise Resource Planning (ERP) system
Implement Long-term Technology Plan (2018 Work Plan Task)	
9 Implement 1-2 year plan objectives	in progress; carried over from 2018; failover tested on file server; testing will continue; implementation timeframe unclear.
Software Upgrades and Other Related Tasks	
10-A ArcGIS Server Upgrade and installation of ArcGIS Portal	complete
10-B Update Apps to Reference Portal URL	complete
2020 Work Plan Tasks	
US Census New Construction	
1 Provide Census Bureau new residential addresses assigned between LUCA submission and Census Day	complete
NG-911 Required Data	
2 Update data to meet the NG-911 submission standards	complete with a few outstanding questions
Map Drainage Districts and Subdistricts	
3 Map drainage districts - county-wide	in progress; to date 50 main drainage districts & 126 sub districts mapped; task to continue through 2021
Map Drainage District Tiles	
4 Utilize Circuit Clerk documents to map original location of drainage tiles	to begin in 2022
Reconcile Drainage Districts and Sub-districts	
5 Reconcile Drainage Districts and Subdistricts with appropriate county offices	to begin in 2021 or 2022
Street Network Impedance Data for Computer Aided Dispatch	
6 Gather and store street network impedance data for CAD	completed attribution of data necessary for METCAD CAD software migration to Tyler New World
2020 Contracts/ Service Tasks	
A. Piatt County	on going - general GIS tasks
B. Village of Mahomet	on going - general GIS tasks
C. City of Champaign	on going - general GIS tasks
D. Urbana Champaign Sanitary District	on going - general GIS tasks
E. METCAD	NG-911 Tasks

Status updates found in **bold**