

AGENDA

**MCLEAN COUNTY GIS COMMITTEE MEETING
FRIDAY, September 21st, 2001, [10:30 A.M.]**

MCLEAN COUNTY HIGHWAY DEPARTMENT

1. Call to Order

2. Administrative Matters

- a. Review of the Minutes from the July 20th, 2001 meeting of the GIS Committee
- b. Financial Report

3. LCD Projector Update

4. Update on MCRPC Frame Relay

5. Priority Projects

- a. Intranet Map Server
- b. Cadastral Mapping
- c. Aerial Photography
- d. GIS Day
- e. Map Book
- f. Subscriptions / Data Pricing
- g. E911 Addressing
- h. GPS

6. Executive Session

7. Other Matters of Business or Discussion that May Arise

8. Next Meeting

9. Adjournment

MINUTES

MCLEAN COUNTY GIS COMMITTEE MEETING

FRIDAY, August 24th, 2001, 10:30 A.M.

MCLEAN COUNTY HIGHWAY DEPARTMENT

Members Present

George Drye, Director of Engineering and Water - City of Bloomington; Mike Hall, Director of Public Works - Town of Normal; Don Beisner, Assistant County Engineer - McLean County Highway Department (representing John Mitchell); Paul Russell, Director - McLean County Regional Planning Commission.

Members Absent

Bill Gamblin, E911 Administrator - McLean County E-911, Michael Ireland, Assessor - City of Bloomington Township, John Mitchell, County Engineer - McLean County Highway Department

Others Present

Steve Bland, Engineering Technician - City of Bloomington; Ken Emmons, Building Safety - City of Bloomington; John Hendershott - McLean County Health Department; Bill Jackson, GIS Programmer/Analyst - McLean County Regional Planning Commission; Kevin Kothe, Information Systems Engineer - City of Bloomington; David Mather, GIS Coordinator - McLean County Regional Planning Commission; Mark Hocking, Engineering Technician - City of Bloomington, Troy Olson, GIS Specialist - McLean County Regional Planning Commission; Stephen Sochotsky, GIS Specialist - Town of Normal, Russ Warren - Senior Designer, Farnsworth Group.

1. Call to Order

The meeting commenced at 10:30 a.m.

2. Administrative Matters

a. Review of the Minutes from the July 20th, 2001 meeting of the GIS Committee

No changes to the minutes were noted, minutes were approved.

b. Financial Report

Mr. Russell advised the committee that the GIS budget looks healthy, mainly because the annual contribution from participating agencies, approximately 60K, had been received. Further, he stated that this amount will begin to decline as payments are made for new data received.

Mr Drye inquired about Recorders fees. Mr. Russell advised that as of July 1st, 2001 only one installment had been received. Further, Mr. Russell advised that the committee will need to look at how the Recorder's fee is reflected in future GIS financial statements. Mr. Russell indicated that modifications were made to this month's statement but the committee needs to examine how to show the balance brought forward in subsequent statements.

Mr. Drye inquired about the footnote at the bottom of the financial statement indicating \$36,980 was carried over from 2001 FY. Mr. Drye wanted to know where the amount is reflected in the statement. Mr. Mather indicated that the amount was included in the intergovernmental agreement to synchronize billing with the Commission's fiscal year.

3. LCD projector

Mr. Russell indicated that he had a telephone conversation with Mr. Ireland regarding the need for a good quality LCD projector similar to the one owned by the City of Bloomington. Mr. Russell opened the discussion by stating the need for the acquisition of a projector. Mr. Hall mentioned that the Town of Normal Engineering was considering purchasing a projector and the general costs ranged from \$2100 to \$6000 for a high quality projector. Mr. Mather suggested how the projector could be used by the GIS consortium members and Mr. Kothe briefly discussed functional requirements such as lumen values. Mr. Russell indicated that should a projector be purchased, it would probably be stored at McLean County Regional Planning. Mr. Drye asked how the projector would be paid for, and Mr. Paul Russell responded that the purchase was not in the budget, but it was his understanding that Mr. Ireland would be willing to allocate at least some of his, approximately \$12K, GIS budget that had not been used for the aerial mapping project. Mr. Russell asked that a motion be made to approve the purchase of a LCD projector, contingent upon determining appropriate financial arrangements. A motion was made by Mr. Hall and the motion carried unanimously.

4. Priority Projects

a. Intranet Map Server

Mr. Jackson gave a live demonstration of the ArcIMS application with which he had been working. He showed several features that will be available to all intranet connected departments using a web browser interface. Mr. Jackson named the departments currently able to hit the site as well as problems with several Bloomington Engineering NT workstations not being able to connect. Mr. Jackson indicated that the intranet map server site was about ready to be advertised for general use by local agencies pending updates to GIS layers on the server and resolution of a few minor network issues related to the County's addition of a new router and subsequent change of IP address on the map server and its gateway.

b. Cadastral Mapping

Mr. Olson brought in a color coded paper map showing delivered coverages, approved and under review, from Akanda. The next delivery due was the remainder of Normal Township. The deliveries were about one month behind schedule.

c. Aerial Photography

Mr. Olson was asked when urban photos were to be completed and he indicated that expected completion was by February or March of 2002. The deliveries are currently one month behind schedule, which coincides with parcel deliveries that are also about a month behind. A short discussion of aerial photo resolution followed. Subsequent deliveries will come on DVD.

d. E911 Addressing

Mr. Kothe advised that Mr. Gamblin's staff (E911) had reduced addressing down to approximately 400 and that they were now dealing with the finer details and making good progress. Mr. Kothe further advised that the phone company was down to 3800 errors. Mr. Kothe stated that E911 passes corrections to the phone company and the phone company installs corrections one at a time since some corrections can create new problems and that it's mostly detail work now. Mr. Kothe advised that the IPC allowed 1% error which was about 1700 actual records.

e. Map Books

Mr. Olson indicated that newly updated county wide production map books were a priority item due to the need by E911, fire department, and police. Also, it was desirable to coincide with the December Sidwell books distribution. Mr. Olson added that digital map books could be printed out too almost any scale, including large plots. The paper map books for the urban area are still very popular.

f. Subscription Data Pricing

Mr. Russell inquired about the status of subscription data pricing. Mr. Mather mentioned price estimates for Unit 5 maps he is working on and also Bloomington Election Commission maps due in September. Mr. Russell asked about the status of the Farnsworth Group data subscription. Mr. Warren asked how data would be accessed and in what format the data could be provided. Mr. Kothe indicated that shapefiles, converted from coverages, would probably be the format of choice. Mr. Mather indicated the Committee may have concerns over a non-governmental entity accessing the network, aggravating traffic problems on the network. Mr. Warren indicated that the Farnsworth Group may be interested in a monthly subscription and would like to acquire initially the entire cadastral data set on DVD or CD. Mr. Kothe indicated the whole County cadastral would fit on a 250MB zip disk. A general discussion followed with Mr. Kothe describing differences between ESRI's ArcExplorer vs. ArcView. Mr. Warren suggested an interface like ArcIMS could satisfy his cadastral needs. Mr. Kothe stated that ArcIMS was similar to ArcExplorer, and that an ArcExplorer project and/or interface could work more powerful in a lot of ways than ArcView, and could be a client to the ArcIMS service. Mr. Warren said that future staff training would not be a problem with ArcView since the Farnsworth Group is a licensed reseller of ESRI products. Mr. Warren inquired about a fee structure and mechanism for delivery. Mr. Mather indicated that the price structure was initially based on CD delivery. Mr. Mather indicated he assumed Mr. Warren wanted other data layers. Mr. Warren indicated they were also interested in aerial photography and planimetric line work, particularly contour data and that this would be on a one time purchase basis. Mr. Warren stated that timely delivery of data was important, that past deliveries were timely but may get more difficult in the future as he will want more data over time, adding he anticipated others wanting the data as well. Mr. Warren indicated delivery of planimetric data on an ftp site or something similar would meet his needs.

Mr. Mather indicated that lots, additions, and parcels were currently bundled together and asked whether they should be separated.

Mr. Drye advised lots, additions and parcels should stay bundled as people are used to seeing them together with the Sidwell data.

g. GPS Base Station

Mr. Hall advised that the GPS base station FCC license application for frequency and bandwidth would take a minimum of 6 months.

h. GIS Day

Mr. Kothe advised that Nov. 14th was GIS Day and suggested possible locations where various government offices such as sheriffs dept., E911 etc. could participate. Mr. Kothe suggested displays of how departments currently use GIS. Mr. Kothe emphasized the need to publicize the event early to ensure good participation. Possible locations; the Osborn Room, O'Brien Room, Bloomington Public Library. The suggested times were the lunch hour to 6:00pm

5. Executive Session

No items to discuss.

6. ESRI software licensing

Mr. Russell inquired about ESRI software licensing. Mr. Mather advised that testing will be done to see if the mcgisgov map server could also be used to serve licenses. Mr. Kothe advised that ArcGIS required over a Gigabyte of disk space and a steep learning curve and suggested ArcView licenses not be upgraded all at once.

7. Other Matters of Business or Discussion that May Arise

a. Frame Relay for MCRPC

Mr. Mather discussed a possible frame relay network connection for McLean County Regional Planning. Mr. Mather advised that Mr. Nelson at McLean County would have time in about a month to discuss costs etc. Mr. Mather advised that license sharing via intranet was a main reason to put frame relay into place as well as allowing Mr. Jackson to administer the ArcIMS server from Mr. Ireland's office. Mr. Kothe discussed network load issues and whether fiber, T1 etc. may be required.

b. Cadastral Updates

Mr. Kothe - County updates to cadastral is always a year behind as they wait till the revised Sidwell plats are delivered before making their updates. Mr. Ireland's office updates as soon as a parcel split is made. After all cadastral are delivered, two full time people would be required to update street centerlines, corporate boundaries etc. Mr. Hall asked how long it takes to get an update into system. Mr. Drye asked if Mr. Olson would be able to keep up with updates in the interim and that perhaps we should look into budgeting for and hiring another person. Mr. Russell advised that McLean County Regional Planning may hire an additional employee who could possibly provide some limited assistance to Mr. Olson with the updates. Mr. Kothe mentioned that parcel and corporate boundaries, developed from the Sidwell plats, don't agree and may be off 10 feet in some places. Mr. Kothe mentioned a lag time between the date an ordinance is passed and

when it is recorded. Mr. Hall said that a change must be recorded within 90-120 days from the date it is approved.

8. Next Meeting

The next meeting of the GIS Committee will be held on Friday, September 21, 2001, at 10:30 a.m. at the McLean County Highway Department.

9. Adjournment

The meeting was adjourned at 11:50 p.m.

Respectfully Submitted,

David Mather,
MCRPC GIS Coordinator