City of Bloomington: Bloomington Digital Underground Advisory Committee
> Date of Record: December 6, 2007
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Summary
Bloomington Digital Underground Advisory Committee meeting held Thursday,
December 6 at 4:00 p.m. in the McCloskey Conference Room of City Hall at Showers.
 401 N. Morton St.
Bloomington, Indiana

Roll Call

> <u>Committee Members Present</u>
>> Eric Ost, Telecommunications Council
>> Mike Lucas
>> Greg Travis
> <u>Vacancy</u>
>> Brian Kleber
> <u>City of Bloomington Staff Present</u>
>> Rick Dietz, Director, Bloomington ITS
>> Rick Routon, Assistant Director, Bloomington ITS

> <u>Guests Present</u>
> Dr. Mike Sullivan Bloomington E-Health Collaborative

i. **BEHC Update**

a. Rick Dietz (RD)- The FCC grant that has been given to the state of Indiana will be divided among several organizations. The BEHC and the hospital is represented on the board that will be making some determinations on how the money is spent. The city has been working with the BEHC for more than a year now and I will start things off by turning things over to Mike for a year end recap.

b. Dr. Mike Sullivan (MS)- There are two major developments. The FCC grant was announced and it took a different form than expected. The award was larger than anticipated and it will also go for 3 years. They got many applications for this money and they have funded roughly one per state. There were 2 applications from Indiana and the Indiana Rural Health Association led the one that was approved. Their board included representatives from St. Vincent, Clarian and also Bloomington Hospital/ Bloomington E Health Collaborative. Indiana Telecom Association has a seat on that board also. The award was for 16 million divided evenly across three years. The application from Indiana is available.

The first year projects are all aimed at rural critical access hospitals. They are rural and they are typically small. In terms of projects for Bloomington, the money will probably not be made available until year two. In year one, creating a redundant fiber path down to Orange County was one of the slated projects. The future path is TBD, there is an existing path in place already owned by Smithville.

ii. **Local Networking Update**

a. (MS)- In related news, there have been ongoing discussions with the Bloomington Hospital Networking Group and the networking and support companies that support the local medical practices. They have been discussing the formation of a health network here in Bloomington and the principles that would govern something like that. Steve Walls from IU attended the meetings and I think that those discussions are of interest to him because he is involved with the FCC grant architecture on a national level. He may be looking at Bloomington as a model for organizing the last mile of the network being established by the FCC grant.
   At the end of the second meeting Steve and I agreed to work together to come up with a set of principles for maximizing community involvement. This is the current draft. (papers are distributed) The core of it is setting up a peering agreement and trying to establish connectivity within the community that is not being billed at an Internet rate.
   There has been some work done to establish high bandwidth connectivity between SIRA radiology group and Bloomington Hospital already. It ended up being very complicated and work intensive on both ends. We agreed that we would not want to adopt that architecture community wide. Right now Smithville, possibly KIVA and probably IU will be interested in peering to support high bandwidth between the local providers. I am hoping that year 2 money could go toward paying for some of that.

b. Greg Travis (GT)- Is the fiber Smithville has running down to Bedford fully in place?

c. (MS)- Yes it is already in place and it is being heavily used. They are starting to get worried about the lack of redundancy. Many of the applications they are running in Paoli are actually hosted in Bloomington. I know they had fiber going that direction already running down to crane. With the additional business development because of the new resort there may also be some additional demand for bandwidth. Frequently it is the healthcare providers who need the additional bandwidth. I think that was probably the driver for them to run fiber down to paoli.

d. (GT)- Are they providing phone service down there?

e. (MS)- They provide phone service in several parts of the state. I have a map that shows their service areas. There are a huge number of local phone providers in the state.

There has been discussion for some time over forming a legal entity to represent organizations throughout the medical community, probably a non-profit. There has been quite a bit of resistance for many reasons but work continues. There is now a system being used community wide for exchanging medical information. It establishes a health information exchange. There may be as many as 20 medical groups connected by the end of the year. Signing up data sources is what will make exchange desirable. At first they are normally labs, imaging centers and hospitals. In my work with practices I have been focusing on images because they are a driver of high bandwidth networks. Images today can range from 10 megs for a chest x-ray to a gig for a portfolio of images. They are only getting bigger. The equipment is also getting cheaper, which means that many smaller practices are starting to have digital x-ray equipment. The demands for bandwidth are going to continue to grow. One of the problems right now is that we have been trying to compress many of the large images to conserve on bandwidth. But if you compress much at all you are running the risk of misinterpretation. ER doctors, hospitalists, orthropods and neurosurgeons all depend on images heavily.

iii. **VIM Clinic Update**

a. (RD)- Have there been any reports from the VIM project? Do you have any updates on clinical messaging?

b. (MS)- There is a true public private collaboration happening with the VIM clinic. Getting a peering agreement with local ISP's to support a better rate structure for a health network in Bloomington is an important step. A peering agreement will make it possible to connect the maximum possible number of organizations here in town but it will also bring an internet2 member in. That means potential for extending that connectivity nationwide. Nationally the FCC awarded over 400 million.

c. Eric Ost: Is the fiber running to the VIM clinic BDU fiber?

d. Rick Routon: Yes it is.

e. (RD) Meeting adjourned