Minutes

ENTERPRISE GEOGRAPHIC INFORMATION SYSTEMS STEERING COMMITTEE
Monday, August 14, 2017
Administrative Services III, Room 101
9:30AM – 10:30AM

1. Welcome and introductions

Members present: Wade Davis, Dave Rainer, Doug Morton, Lisa Johnson, Jeff Bandini, Andy Snead, Allen Boyette. Hosts: Sally Rau, Andy Belcher, Dave Wynne. Guest: Heath Huovinen.

S. Rau, Facilities Information Systems Manager, Office of the University Architect, opened the third meeting of this committee, started the presentation; introduced new members and first time attendees (A. Boyette replaced Jack Colby following his retirement; D. Morton is a new addition; D. Rainer was added as a new member early in 2017, but was out of town for the committee meeting in March; H. Huovinen, University Surveyor, Office of the University Architect, attending as a guest of the committee). Then the others introduced themselves and S. Rau reviewed the purpose of the committee, which can be found in the charge memo.

2. Review established Fiscal Year 2017-2018 goals

D. Wynne, GIS Project Manager, Office of the University Architect, continued the slide presentation and reviewed goals for the current fiscal year that are based on results of projects and goals identified in previous Steering Committee meetings. *[Specific goal language is included in the presentation. Upcoming project discussion addresses each of these goals in detail].* D. Rainer asked if the Needs Assessment is available online. It is available through the AERES document management system. He requested a copy to be sent to him.

3. Review proposed Fiscal Year 2017-2018 projects based on goals

Needs Assessment Update

A. Belcher, GIS Manager, Office of the University Architect, presented and explained that the initial needs assessment was completed in May 2015 and included a recommended roadmap for the first two years of implementation, which just concluded. All 15 key recommendations were completed. The update will address: what we did well in Phase 1; what adjustments to the recommendations were made; what we could have done better; recommendations for the next phase. There were no comments or questions.

Enterprise GIS - Utilities: Pilot project - Stormwater model

D. Wynne presented and explained that a Stormwater model emerged as the recommended pilot as a result of the Functional Requirements project for Utilities that was completed in May 2017. This utility already has the highest degree of departmental coordination, buy-in with regards to stakeholder involvement the Functional Utilities project itself, as well as representation on the Facilities GIS Technical Working Group, which serves to inform this steering committee. Some components of the system, specifically BMP devices (stormwater ponds, catch basins, etc.) that are installed and maintained by Grounds, are already in the AiM workorder system. *[AiM system integration is a desired functional requirement that is common amongst all utilities].* There is also an existing MS4 permit compliance requirement for annual inventory data updates to the City of Raleigh. This pilot will help to meet that requirement more efficiently.

D. Morton asked if consultants have to come through the Stormwater Management Advisory Committee and there was discussion as to the stormwater design and review process. Generally, that committee addresses more global and policy related issues rather than specific project related items.

S. Rau stated that the recommended pilot project is up for discussion, we are looking for consensus. D. Morton stated that he feels water distribution (specifically shutoffs at the building level) and electrical systems are more important, but not as simple. L. Johnson later mentioned that there is an effort already underway to add water shutoffs to the internal building floor plans linked to the FM:interact space management system. The GIS is primarily outside-the-building utilities.

W. Davis asked if we are looking for input for a utility that would be the most important, or something that would be less critical to provide a path and lessons learned for the remaining utilities. S. Rau replied that we are looking for balance in that regard: not too simple, such as Natural Gas because we don't own much of that, and not too critical, such as Electrical, which is complex and estimated to be more expensive. The Functional Requirements project listed and ranked all the requirements by importance and feasibility; that we are looking for something with a broad range of departmental staff involvement and enthusiasm and Stormwater seems to meet this.

J. Bandini asked if we are just putting the existing stormwater data that is already mapped into the GIS and mentioned the Centennial stormwater design project that will completed before this pilot project finishes. S. Rau replied that most of this system is mapped, but it isn't intelligent; it hasn't been attributed and linked to data from other systems, particularly the AiM workorder system that already has Stormwater data, as well. So, we don't have to collect this data for the most part; we need to integrate it so we can then develop applications to efficiently fill in the gaps and maintain from there. A. Belcher mentioned that our data collection standards are available online.

D. Morton mentioned Electrical system development and wanting to find exact fault locations, which lends itself to a map. A. Boyette said that he sat on the some of the Functional Requirements discussions and that the Electrical system is operated by the SCADA system, which includes basemaps, and will not be operated through GIS. Leveraging SCADA system data to avoid damage could be a stretch goal, but only one group is affected and it would be difficult and expensive. Stormwater affected more groups. It was discussed that we are trying to enhance and leverage existing workflows and other enterprise system functionality, not change or replace them. In particular, leveraging and integrating AiM with these utility systems through GIS is highly desired.

No one disagreed with selecting Stormwater for the pilot project. The Technical Working Group will produce a suggested a priority list for the remaining utilities for the next Steering Committee meeting.

Parcel data Creation - Wolf Tracts v1.0
H. Huovinen, presented a brief background on functionality of the parcel application, which includes ground leases. He is continuing to research and collect information on the core campus precincts. The next goal is to add all Wake County Parcels, including Reedy Creek and Lake

Wheeler by the end of this fiscal year. The application is shared with a few people, primarily for feedback, and the current process for granting access is a form that he approves.

H. Huovinen then asked the committee if the application should be restricted, or public access. L. Johnson asked if all of the documents attached to the parcels are publicly sourced to begin with. H. Huovinen replied that they are, for the most part, except a few. J. Bandini stated that the application documents should not be publicly available, unless they come from the Register of Deeds, and that we need to pick and choose who has access. There was discussion about document restriction through UnityID, but Shibboleth, the University authentication standard, does not provide this functionality. L. Johnson recommended looking into restricting access on the GIS side. W. Davis mentioned that OIT has OnBase, the University's Document Management solution, and that he believes it provides security access at a folder level. Potentially, that could be used to access documents via the application.

It was decided to continue the current access approval process through H. Huovinen. University Real Estate and Development will review the application and will make recommendations if they see a document that should be restricted. This committee will revisit the security of the application in a year.

Basemap conversion from CAD to GIS

D. Wynne presented and explained that small test project was completed in May 2017. This year's project converts the remaining layers and features of the AutoCAD basemap to GIS and unifies all spatial data maintenance into the Enterprise GIS environment. This will allow the Enterprise GIS to serve out features and functionality to campus. There were no comments or questions on this project.

Move administration of the online Campus Map from ITECS to OUA

A. Belcher presented and explained that this will allow the Office of the University Architect to fully administer the online Campus Map, which is linked from the University homepage to serve the public, rather than request services from Information Technology and Computing Services. The group discussed possibilities of what they would like to see on this map in the future, including access to department information from the map, and a technical discussion ensued.

4. Other Business
Send D. Rainier the Needs Assessment/Roadmap. *[Done]*

The Technical Working Group will produce a suggested priority of the remaining utility systems for review at the next Steering Committee meeting.

A. Sneed requested to have a Stormwater pilot progress update at the next Stormwater Committee meeting. Follow up to determine when that will be.

Revisit the security of the Wolf Tracts application in a year.

5. Next Meeting: Early 2018