

## **MetroGIS Coordinating Committee: Meeting Minutes**

Thursday, October 13, 2016, 1:00 pm – 3:30 pm

Metro Counties Government Center, 2099 University Avenue, St Paul

Minutes Approved on January 12, 2017



### **In Attendance:**

Erik Dahl, EQB (Chair)

Curtis Carlson, Northstar MLS

Mark Kotz, Metropolitan Council

Jeff Matson, CURA

Nancy Read, Metro Mosquito Control Board

Matt Baker, MAC

Brad Henry, University of Minnesota

Norine Wilczek, MnDOT

Dan Ross, MnGeo

Mark Maloney, City of Shoreview

Matt Koukol, Ramsey County

### **Guests:**

Alex Blenkush, Hennepin County

Craig Prislund, Carver County

Jon Hoekenga, Metropolitan Council

Steve Groen, Hennepin County

Jared Haas, City of Shoreview

Matt McGuire, Metropolitan Council

### **Absent:**

David Brandt, Washington County (Vice Chair)

John Slusarczyk, Anoka County

Hal Watson, DNR

Hal Busch, City of Bloomington

Ben Verbick, LOGIS

Len Kne, U-Spatial

Carrie Magnuson, RWMWD

David Bitner, dbSpatial

Eric Menze, Resource Data, Inc.

Gary Swenson, Hennepin County

Randy Knippel, Dakota County

Tony Monsour, Scott County

Pete Henschel, Carver County

Ron Wencil, USGS

### **Staff:**

Geoff Maas, MetroGIS Coordinator

### **1) Call to Order**

Chair Dahl called the meeting to order at 1:10 p.m.

### **2) Approve Meeting Agenda**

No changes advanced; Motion: Kotz; Second: Maloney; unanimous approval

### **3) Approve Meeting Minutes from July 21, 2016**

No changes advanced; Motion: Henry; Second: Carlson; unanimous approval

#### **4) 'UI2' (Utilities Infrastructure Integration) Presentation**

Alex Blenkush and Steve Groen of Hennepin County gave an overview presentation of the forthcoming UI2 application. The UI2 is intended to meet the on-going need for better coordination between public agencies and utility providers when programming construction activities.

Utility stakeholders attended a Utility Summit held in December 2015, involving representatives from numerous government agencies and utility companies. At this summit it was agreed that some kind of on-line mapping tool would be a suitable solution to enable coordination between agencies.

Hennepin County Public Works in partnership with the City of Golden Valley and the Metropolitan Council to develop a proof of concept in March 2016 to explore the idea. In April, a second Utilities Summit was hosted by Hennepin County Public Works with a demonstration of an ArcGIS Online proof of concept example demonstrated to the attendees. The Hennepin County GIS Office acquired the business requirements for an online mapping application that would be accessible to all the partners. The Hennepin County GIS Office acquired business requirements for an online mapping application that would be accessible to all partners. The project proposal was presented to GIS Steering Committee in May, who ranked it as a top priority and unanimously approved work to begin with work kicking off in June 2016. Full scale development of the application will take place this winter with the goal of completion by the second quarter of 2017.

Participating organizations in the initial development include: Hennepin County, Metropolitan Council, MNDOT, City of Golden Valley, City of Bloomington, City of Minneapolis, City of Edina, CenterPoint Energy, Xcel Energy, CenturyLink, Comcast Cable and WSB & Associates

The main goals of the project include:

- Improve collaboration between utility partners and right of way managers by improving communications, developing relationships and educating partners;
- Improve efficiencies of construction events and lessen impact on the transportation network and those in proximity;
- Develop methods to aid coordination and information sharing;
- Develop the processes, tools, committees and communications necessary to achieve desired improvements;

The main benefits to be realized by the project include less disturbance of public right-of-way, less frequent redirection of traffic flow and increased cost savings from sharing construction costs and elimination of utility cuts to new roadways.

Alex Blenkush and Steve Groen previewed numerous panels of the UI2 interface in development and indicated that it is being built with ESRI's JavaScript API. Organizations are granted access to enter and view data via an "eGov" connection. All attempts have been made to create a very user friendly interface, with the capability to perform robust filtering based on user chosen criteria such project start data, current status and type. Editing of the data can be done within the application itself. Project sites are represented by polygons in the interface.

Each participating organization determines which kinds of projects they want to add to the application. There are guidelines prepared for the kinds of projects to be entered. Major projects include large capital projects, road overlays, projects with sign pavement or traffic disruptions, power company feeder cable replacements, gas main replacements, sanitary sewer lines, and telecommunication projects exceeding 1500 feet in length.

Additional functionality of the UI2 application includes an automatic notification system which signals project owners when a new project is added or an existing project changes its status within 1000 feet. This is intended to help coordinate the efforts and facilitate earlier contact between project owners. Automatically generated notices are based on a 1000-foot buffer of projects in the system.

Currently (fall 2016) the application is in the midst of building and testing. Toward the end of 2016 the project will be focused on post-development user interface testing with non-GIS users to assess the ease of use. The application is currently scheduled to be in production in the second quarter of 2017, following by awarding access to the interface for interested agencies with the potential of expanding membership.

**Read:** One of the challenges I see you facing is having each agency, particularly the private sector actors, place their data into the system, how are you engaging them?

**Groen:** We have been fortunate to have had the utilities involved since day one. Those who are participating are all on board, we knew to make this successful we had to make sure they bought in early and contributed to its development. Also, at the 80% development mark, which we are coming up on, we are going to have numerous non-GIS people from the utilities work with the application to test it out, contribute their thoughts to ensure it is something they are willing to use. The major utilities are all on board, however, we do know of some of the telecommunications interests who don't want their competition knowing what they are working on so they are not participating at this point. Fiber optic lines are not as big a deal, at this stage, we are mainly focused on large subsurface transmission mains and the roads above them.

**Maloney:** This has amazing potential for inter-agency interaction, I hope you can get a large number of engaged partners on this project. Do you have any thoughts on about how we take this to the next level and how this could be shared in a larger context?

**Groen:** At this point, we view the UI2 application as primarily a planning tool, but this same thinking and set of tools could be used to serve a larger effort, particularly now that we are seeing the potential of the automated reporting. We also know that we cannot load every single project of every agency into the system, this would overload the tool and its effectiveness, and it's not really necessary, we're focused on the larger projects

**Henry:** Are you working at all with the new one-call system? I can anticipate seeing a lot of similarities between what you're showing and their needs for their system.

**Groen:** Not yet, we will be looking to integrate with them.

**Henry:** Regarding permits, how do you see this application making life easier for you?

**Groen:** Our office works with approximately 1000 permits a year for utility work, a big part of this job is the utility coordination piece. So, having things mapped out in the way we're thinking with the UI2 and having the agencies who own the projects engaged early makes the entire process easier, and my work easier.

**McGuire:** Could you share an estimate of the hours of development budgeted for the creation and development of this application?

**Groen:** Well, we have strong support directly from the top. Commissioner Opat advanced this after seeing some streets being re-done two years in a row. When we starting working with the GIS office this quickly became their top priority; it was pushed by the county board, jumped over all the other projects. So we've got hundreds of hours committed, really whatever it takes to make this happen.

**Read:** You mentioned using "eGov" to manage access, can you tell us more about that?

**Blenkush:** This is simply the method by which the County manages and grants permissions to non-County contractors access to our maps and data. This is administered through the IT staff, primarily by Tracy Tisbo in the GIS Office, she is the lead on granting permissions.

**Groen:** Hennepin County will be the gate keeper for this project for its initial development and early phases, we will see where it goes from there.

**Koukol:** In Ramsey County, we've been doing a similar thing, ours is all linear based (instead of polygon based) and it is used for annual project map. Do you see this as an eventual metro wide or statewide effort? What are the chances for making this bigger? Having these materials available through a service and posted as a backdrop for just viewing with a few attributes might be enough for most of us.

**Groen:** We anticipate being able to publish this a part of web services, to put it out there and test it out. If more folks see the value, if it is successful, it certainly could be rolled out as a metro wide system.

**Ross:** Also, keep in mind we are discussion on a potential development of a unified permitting system for over-weight vehicles. Having this kind of resource available would be very helpful for working these together for routing.

**Blenkush:** Yes, we know there are lots of uses for this and lots of potential for a wide range of users. Perhaps when we've got it fully moving in 2017, we can come back to present again to this group and let you know how things are coming along.

## **5 ) Parcel Data Transfer Standard Review Period**

Maas reminded the group that the Parcel Data Transfer Standard, advanced by the Parcel and Land Records Committee and Data Standards Committee is presently available for review. The 90-day review period will be going on until January 20, 2017 and he noted that comments are already coming in on the draft standard. Maas noted the range of recipients targeted in the initial outreach message, including city, county, regional, state and federal governments, the Minnesota Association of Assessors, private sector vendors, emergency/911 stakeholders and numerous others. Once the review period closes, the Parcel and Land Records Committee and Data Standards Committee will convene a joint meeting to review the results and determine which modifications are needed and if the modifications are large

enough to necessitate a second, 45-day review period. Maas pointed the group to the MnGeo website where the Parcel Data Transfer Standard materials are available for download.

## **6 ) Metro Imagery Tiling Specification Approval**

Maas re-introduced the group to the prior actions of the Committee on the Metro Imagery Tiling Specification. In March 2016, the Committee authorized the creation of a work group, led by Matt McGuire of the Metropolitan Council and including staff from Dakota County, Ramsey County and WSB. The group developed a draft tiling specification and presented it to the Committee at its July 2016 meeting with the direction to the participants to review the document for its fitness as a best practice.

At the July 2016 meeting of the Coordinating Committee, it was agreed that the participants would have until the next meeting to review and provide comment to the work group on the draft tiling scheme with the approval of the document as a best practice as the goal of the effort.

**Read:** Are there any tools identified in the documentation to help people use it or tile their imagery?

**McGuire:** No, the document does not have tools but it does provide links to resources and other documents depending on the 'ecosystem' you are using, ESRI, open source or other options. There are

**Dahl:** We have the action item identified to approve the tiling scheme, is there a motion to approve?

**Kotz:** I propose we adopt the Metro Imagery Tiling Specification as a best practice

**Henry:** Second.

**Dahl:** Is there any further discussion?

**Maas:** I want to reiterate that this is not a requirement or a standard; it is a resource and a best practice for those in the metro looking to stand up imagery. We should feel free to revisit this document and update it as the technology changes or our needs dictate.

Chair Dahl called for a vote from the Committee, the motion was approved.

## **7 ) MetroGIS Policy Board Update**

Maas gave a brief update on the status of the MetroGIS Policy Board, which last convened in April 2016. Richfield Mayor Debbie Goettel is the new chair, with Mary Texer of the Capitol Region Watershed District serving as vice chair. The most significant decision of the Board was the adoption of revisions to MetroGIS' Operating Guidelines and Procedures which created two (2) new seats for city representatives. Maas offered up the opportunity for the Committee to decide on the best method for adding two city members from the wide pool of possible city candidates.

**Carlson:** I might recommend we invite a city outside the core of the metro, perhaps a Shakopee or a Stillwater, I would be interested to get their perspective.

**Kotz:** I would suggest we publish a notice in the GIS/LIS news blasts stating that we have two seats available and here is the process on how to apply.

**Read:** Also, aren't there county user groups still in place? I would think we could use those groups to find city people.

Maas agreed to develop an initial outreach plan to share with the group for attracting city membership and reminded the group that the next Policy Board meeting would occur on April 26, 2017 and that he would follow up with the members electronically.

## **8 ) 2016 Work Plan Project Updates**

At each meeting, brief updates on current regional projects are provided.

### **8a) Address Points Aggregation Project**

Jon Hoekenga gave an update on the status of the Address Point Aggregation process. Currently, the Metropolitan Council is collecting address points twice per year (generally in April and October) from the metro counties and publishing the data the Geospatial Commons.

The Metro Address Work Group met on August 31, 2016 in a joint meeting with 911 stakeholders and agreed on modifications to the Metro Address Point Standard (which is now at Version 3.0) to better align with the needs of NextGen911. This modification has implications for users of the Metro Address Editor Tool.

### **8b) Metro Regional Centerlines Collaborative (MRCC)**

Maas provided a cursory update on the timeline, completion and milestones recently reached by the MRCC. On August 10, 2016 the Core Team met to approve a number of modifications to the data specification and project, most notably to add the attribute for 'Postal Community' to the spec bringing it up to Version 1.5. The 'Second Build' of the MRCC is complete, counties have submitted their data to the FTP portal maintained by the Metropolitan Council with Hennepin County staff aggregating and running an audit on the data. Findings from the audit will be reported back to the counties in November with a public release data of the dataset set for Friday, November 18, 2016 with an informal comment collection period planned through the end of the year.

Remaining work will include a technical session of the MRCC build team sometime in December to more fully address issues around the co-incident geometry, a second Milestone Meeting in February to determine what needs to be addressed in the potential 'Third Build' of the data set and planned monthly updates of the dataset in 2017.

### **8c) Support for the Minnesota Geospatial Commons**

Maas reminded the group that the contract between the Metropolitan Council and MnGeo was executed for \$14,100 in fiscal support for the Commons in 2016. No further MetroGIS action is required or anticipated at this time.

### **8d) Free + Open Public Geospatial Data**

Maas shared the updated 'open data' map with the group, 20 of 87 counties have their data freely and only available with 10 counties having adopted formal open data resolutions. The most recent counties to open their data include Rice and Waseca. Maas re-iterated the availability of the research and resources on the MetroGIS website, specifically the 'White Paper II' research document, most recently updated in early October 2016. Maas further described the Free and Open Data survey developed and deployed by the GAC Outreach Committee in September to all Minnesota counties. The results of the

survey are being collected and will be presented at the GIS/LIS Conference in late October and at the Government IT Symposium in St. Paul on December 5-6. Maas also indicated he had been invited to speak at the Regional Fall Meeting of the Wisconsin Land Information Association meeting in Trego, Wisconsin on October 20.

### **8e) 2016 Aerial Imagery Collection**

Maas reported that the vendor (Surdex) had delivered the imagery and it is presently at MnDOT for horizontal positional accuracy checking and would be potentially available on the MnGeo Image Service as early as the first week in November. With the delivery of the imagery and its availability on the Image Server, the MetroGIS commitment to the project is complete.

### **8f) Historic Aerial Imagery Mosaic & Archive**

The Borchert Map Library has completed the scanning and geo-rectification of the 1956 and 1966 imagery and through its arrangement with the Minnesota History Center is making the imagery fully available on its view for viewing and download by the public.

### **8g) Park and Trail Dataset and Data Standard**

Maas reminded the group that two efforts (State and Metro) for the creation of a data standard and dataset are underway; both of which have significant areas of overlap. The Metro Park and Trail effort will conduct two requirements gathering sessions, the first, focusing on parks is scheduled for Monday, Oct 24, 2016 at Ridgedale Library, Minnetonka, the second, focused on trail network data needs and requirements Thursday, Nov 10<sup>th</sup>, also at the Ridgedale Library, Minnetonka.

### **8h) Metro Regional Stormwater Dataset – On-Going Requirements Gathering and Research**

Maas reminded the group that this remains a research and information gathering effort. To date, we have documented twenty-one (21) agencies and interests with a **defined business need** for an inter-jurisdictionally integrated network of data and list of at least another 25 agencies and interests identified yet to be interviewed. At present there is no **policy-level champion** or **work team** assigned to the effort. Maas indicated that he presented **MAWD Board of Directors** in late July and they remain interested in the potential of the project. Maas also indicated he would be looking to connect with MPCA staff in 2017 to refine the approach and potentially shape a pilot process.

### **9 ) New Project Proposal: MetroPlus Free Geocoder**

Project document is available here: <http://www.metrogis.org/projects/Project-Templates.aspx>

Curt Carlson gave a short overview of the project proposal and the needs to be potentially met by a new geocoder. He indicated that the existing free geocoder dates from about 2013 and remains at about 1000 hits per week, about 450 of which are coming from Northstar MLS. The existing geocoder uses the metro parcel data along with the NCompass Street Centerlines and Landmarks. Carlson indicated that his intent would be for a wider public access to the resource, promotion of its use by the business community and explore the potential for expansion into Wisconsin and Greater Minnesota. Carlson indicated that he needed to rely on a public geocoder created and maintained by Texas A & M University, however their 'uptime' is not always 100% and the accuracy of that service is not consistently high.



**Carlson:** One of the goals of the geocoder would be the ability to submit “dirty addresses” have them parsed, and come out “clean” and usable with the location intact. Carlson also raised key questions about the potential geocoder project, primarily: how will it be hosted and how would it be funded.

**Read:** One of the big questions is if we could engineer in the old geocoder which still works fine, but to enhance the ability to get updated data. We no longer have really robust updates or automated updates, having updated data we can rely on is central to enhancing the geocoder. We would like to put together a geocoder work group to explore the issues further and we acknowledge there might be some expenses for a one-time set up or maintenance. The goal would be to be using the new address points as they are developed and updated.

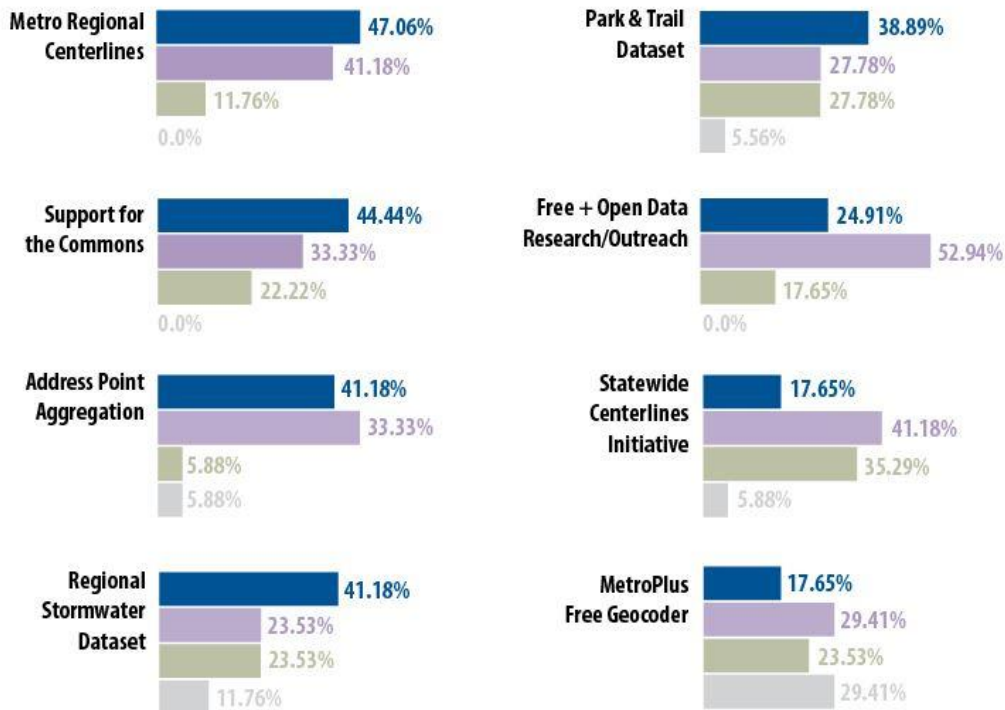
**Ross:** The State has a 9-level cascading geocoder which it uses, but we use protected and federal data that we don’t have the ability to share. We’d like to see something where we can contribute and make a statewide public solution.

Carlson thanked the group for considering adding the project to the MetroGIS work plan and asked if there were any additional questions about the project.

## 10 ) 2017 Work Plan Development

### 10a ) 2017 Work Plan: Survey Results

Maas reminded the group of the survey sent out in late August to prioritize the existing and proposed projects for the 2017 Work Plan and thanked them for contributing their input. The survey asked them about their agency’s business need for the projects listed (high, medium, low, no need) with the following results (below):





## 10b) 2017 Work Plan - Prioritization Exercise

Mark Kotz led the group in reviewing the survey results and the annual prioritizing exercise emphasizing the following criteria (1) the results of the survey, (2) the 'likelihood' of success including the presence of a work team, owner and champion and availability of funding and, (3) the collective wisdom of the group. After the prioritization exercise, the Committee developed the following recommendation:

Project or Activity Name	Status	Work on in '17	CC Rank	Priority Score	Value Score	Effort	Project Owner(s)
Address Points Aggregation	Active	Yes	1	418	38	Med	Kotz
Metro Regional Centerlines	Active	Yes	2	400	40	High	Metro County Managers
Park & Trail Data/Standard	Active	Yes	3	360	36	High	County Managers (Metro) DNR/MnGeo (State)
Geospatial Commons	Active	Yes	4	440	40	Low	Ross
MetroPlus Free Geocoder	Proposed	Yes	5	207	23	Med	Carlson/Read/Baker
Free + Open Public Geospatial Data	Active	Yes	6	432	36	Low	Maas
Statewide Centerlines Initiative	Active	Yes	7	261	29	High	Ross
Regional Stormwater Dataset	Research	Yes	8	132	33	High	Maas (de facto until SME emerges)
Increased Parcel Update Frequency	Inactive	No	9	66	22	Low	
Create Regional Basemap Services	Inactive	No	10	50	25	Med	

This ranking provides the basis of project priority for the 2017 Work Planning cycle for MetroGIS. Chair Dahl asked the group for a motion to approve the ranking.

**Koukol:** I motion for approval;

**Carlson:** Second;

**Dahl:** Any discussion? If none, let's vote;

Approval of ranking was unanimous by the Committee.

## 11 ) Lightning Round Update

**Brad Henry (U of M/MN-2050):** I want to remind the group again of the on-going work of MN 2050, yesterday (October 13, 2016) we got over to the policy side and presented at the state policy conference. The policy makers need to hear what we're working on and know how important it is.

**Norine Wilczek (MnDOT):** No update.

**Craig Prisland (Carver County):** We are in the process of uploading images from the 2016 collect and we have been engaged in a Rapid Damage Assessment with our 911 Emergency Department, we are starting early as we know we'll likely see some flooding in April of next year.

**Tom Bushey (Hennepin County):** No update.

**Matt Koukol (Ramsey County):** WE have been making use of our relatively new (2015) impervious surface data from 2015 imagery, we will be loading that into the Commons next month. We've received really good feedback from users it contains much more than just the impervious surface, many features are represented in the data. We've gotten lots of good feedback from the engineering firms that are using the data, they are very pleased with the quality. Regarding open data, Ramsey County is moving from not just open geospatial data, but to a full open data position, we have an RFP out to vendors to support a larger open data platform.

**Jim Fritz (Xcel Energy):** We do a large amount of work to enter our easement data into a spatial framework with a backend Oracle database to track our easements. Part of that interface allows us to turn on and off the section lines and quarter-quarters and we commonly find many inaccuracies at the quarter-quarter and section line level. Is there any potential for a discussion about how that data could be made more current and more available? I know that much of that data comes from the 1990s and much of it was digitized from 1:100,000-scale quad-sheets. Is this the kind of project we could add to MetroGIS in the coming years?

**Dan Ross (MnGeo):** To your point about the PLSS data, both the DNR and MnDOT agree that both of these resources these need to be updated and worked on relative to the county boundary layer, the CTUs and all levels of the PLSS data. We are looking to draw together a stakeholder team on how to take local data and update the statewide layers, that will come back around to the full range of users.

**Henry:** Once that is done, we need to get the DOT owned land into the parcel data set as well, Dan.

**Ross:** Easier said than done, Brad!

**Matt Baker (MAC):** AT the Airports Commission, we're three-months into an enterprise GIS project, looking for technical solutions to merge our open source work with the ESRI world. We are also trying to set up an internal business oversight group at the MAC, at present no one wants to fully own GIS at the MAC. We are open to ideas on how other agencies and counties are doing their oversight.

**Dan Ross (MnGeo):** We remain engaged in collecting address points, centerlines and parcel data from all counties in Minnesota, we have only a few counties where either we have not been able to collect the data or who have no data to share. We have parcel data for all but two counties at this time, it is very cool to see local government advance the way they are coming along with data development, among our biggest challenges are the address points. I'll have more to share on all this at the Conference.

**Jared Haas (City of Shoreview):** Nothing to add at this time, first time at this group, looking forward to working more with you.

**Mark Maloney (City of Shoreview):** I just wanted to make a plug that this group not lose sight of the potential of the stormwater project. In our city we have a range of water related issues, from the prior low ground water levels and declining lake levels to the current road closures. All our lakes are now exceeding their high water marks, in four short years we've gone from one extreme to the other, from low water to too much/ The water topic is going to drive the dialogue for a long time to come in our part of the metro and elsewhere in the state. All the applications and datasets that can be developed to relate to water will continue to be in high demand, and these issues are very much on the mind of elected officials. We all know water doesn't respect boundaries this is going to be an issue from the federal/USGS level down to the cities. Also, I was glad to hear Matt mention the impervious surface.

Having this kind of data available is really important from a city perspective. We continue to work with MPCA on looking at chloride impairments with road salt penetration. Having the data helps us pin down where it comes from.

**Curt Carlson (Northstar MLS):** Just wanted to plug the geocoder again, thanks for adding to the plan, we look forward to working on it. .

**Nancy Read (MMCB):** We are excited to have and are already making use of the new aerals from Surdex as part of the 2016 collection. Our field staff are very happy with the preliminary imagery and we're, looking forward the first full set of imagery. We are already engaged in updating the wetland information using the aerial photography.

**Jeff Matson (CURA):** No update.

**Jon Hoekenga (Metropolitan Council):** No update.

**Mark Kotz (Metropolitan Council):** Every few years, the prior MetroGIS Coordinator Randy Johnson, would make a presentation to the Metropolitan Council and have them renew their commitment to the collaborative. This year, Geoff talked to the executive level leadership and they decided we don't need approval, they see the long-term benefit of a collaborative effort like MetroGIS and we no longer need to ask for permission to do this work. They are interested in having Geoff give an update and status presentation which will happen sometime between November and January. This is great for us, in the eyes of our leadership the Value of MetroGIS is fixed, we no longer have to justify its existence.

As far as the GIS Team at the Metropolitan Council, we continue to work on numerous mobile applications to support the construction activity on SW light rail line. The demand for mobile inspection applications, river monitoring applications, also for uses of ArcGIS Collector continues.

Also, the Make-A-Map application is planned to be retired. If you use the Council's Make-A-Map application, please know it is going to sunset it very soon. We now maintain several smaller apps that meet the specific business needs instead. Please let anyone you know who uses Make-A-Map as we don't maintain a list of current users.

Finally, we have an effort at the Council to review our numerous existing set of policies. The IS Department is will be focusing on its information policy, which to date has been focused on how we keep confidential data covered, but we feel we should try to expand it to include a free and open sharing component on that as well and the policy of having really good metadata along with the data we provide. I will be working with Geoff and others at the Council on crafting that language in the coming months.

**Erik Dahl (EQB):** No update.

**Geoff Maas (MetroGIS):** I am putting on my other "hat" as the chair of the Standard Committee, and encouraging you all to take a look at the Parcel Data Transfer Standard. Your comments are all very welcomed and encouraged, please don't hold back and let us know what you think of the proposal.

**Alex Blenkush (Hennepin County):** We look forward to continuing to work on the UI2 and the forthcoming Park and Trail efforts. Also, our staff has a large commitment to the 911 effort at the county level.

**Steve Groen (Hennepin County):** Two years ago, we were approached by GIS department and we not totally sold on its value, but we are using it a lot more in Hennepin County's transportation planning work and have come to appreciate what it can do. As part of the transportation planning work, we'd like to know more on the stormwater effort; this is huge, just knowing where the water is flowing is a continual challenge and we need better information for our MS4 permitting and compliance, having better data on all this would be a huge asset for our Public Works staff.

**Matt McGuire (Metropolitan Council):** Nothing to add other than to thank you for supporting and adopting the Metro Tiling Scheme Best Practice.

### **12 ) Next Coordinating Committee Meeting**

The next Coordinating Committee Meeting is scheduled for [Thursday, January 12, 2017](#)

### **13 ) Adjournment**

Chair Dahl adjourned the meeting at 3:09 p.m.