Meeting Description: Michigan Geographic Framework Users Meeting

Date: March 2, 2006 **Time:** 10:00 a.m.

Location: Michigan Center for Geographic Information, George W. Romney Building, 10th Floor, Conference Room

I. Approval of Minutes

II. Geographic Framework Program

A. Framework Activities Update

B. Digital Ortho Update

C. NHD Update

D. Conferences Update

Everett Root, Center for Geographic Information (CGI) lockdown will start on Monday. Friday is the last day to make changes. The Quality Control programs will start next week. Things that will be going into this version – all of the 2005 Crash information (crash incidents that weren't being able to be located due to some issue with the Framework); all of the Act 51 changes are in; all of the active rail are going to have PR Numbers (Physical References Numbers) in this version; over 100 approved annexations have been put in; Asset Management process sent in over 70 change requests; Allegan & Genesee Counties have sent their updates; and Barry County's QVF (Qualified Voter File) updates for 2005 are in. CGI Staff are working on seaming issues, cleaning up short Arc's and cleaning up Polygons in preparation for next week's quality control.

B. Digital Ortho Updates

John Gachugu (CGI) for the Ortho imagery, the cost for this year was about $440,000 including $200,000 from the Federal Government and then the balance from the State.

The counties that we are working with spent about 2.5 million dollars collecting that imagery. We have applications now out from Genesee, Gratiot, Grand Traverse, Kalamazoo and Ottawa Counties. We should have agreements by spring. Most of the counties that fly have been in the lower part of Michigan. The ones that do not fly are the ones up North. The reasons that most of them give, is they don't have the budget. We are planning a 2009 fly-over for those counties that have not flown. It is not too late to come on board.

Rob (CGI) there is also an initiative in place at the Federal level to support Imagery For the Nation. The idea is that Congress would approve a certain amount of money for consistent products nationwide. Then States can buy into that and then can upgrade what that program is going to be producing. My understanding is that they are looking for nationwide 2-foot pixel product. MDOT (Michigan Department of Transportation) has expressed some interest in that and then maybe splitting up a state program. We are in the loop in that discussion. They have been getting some statistics. What that would mean is that the state could have more money to work with. More of the state would be able to fly at 1-foot and maybe 6-inch in some of the urban areas. I will continue to keep everyone posted.

Also, there is an initiative by NASA (National Aeronautics and Space Administration) and USGS (United States Geological Survey) to support local use of remote sensing data. Michigan has been selected to participate in this. The grant money is minimal. It is just to cover staff time. The MDEQ (Michigan Department of Environmental Quality) has been targeted as the key business area. They targeted flooding applications and water quality. The big benefit to the State of Michigan is that the state will get a lot of access to

remote sensing data, imagery data and ground monitoring data and then technology to help deliver that data. They will be responsible for some of the development. At this time they are really focusing on flooding, decisions support systems and water quality. We have a bi-weekly telephone conference call with 14 other states that are participating in the Northeast United States. Our office is going to supply assistance if necessary for any of the web related application hosting that might be needed. As soon as we have more information on that, we will make it available to anyone that is interested.

C. NHD Update

Everett Root (CGI) we are working on the 1-100,000 dataset that is available. We are in the process of moving the reach codes to the 1-24,000 hydro features in Framework. We got a grant to do 6 watersheds in southeast Michigan and we have completed 4 of those. We have plans to continue from additional monies that were made available last October. Huron watershed is up on the web site and Flint, Clinton and Ottawa Stony are in Quality Control process. 6 more have been identified as a priority.

D. Conferences Update

Joyce – GIS-T Meeting, Ohio

Rob – Asset Management Conference, 10th at MSU Kellogg Center

III. MDNR Projects and Activities

No representative present.

IV. MDOT Projects and Activities

Joyce Newell, Michigan Department of Transportation (MDOT) – (handed out status maps on Annual Average Daily Traffic (AADT) projects) this includes the Framework layer showing segmentations. When you are talking about remote sensing, I was

thinking about what we are calling our TARUT project or Transportation Applications of Restrictive Use Technology. I can't say much about it, because I haven't been involved a lot with it, but we will invite someone who has been involved with it to a future meeting this next month. This is using Military Satellites on a limited basis. We will have 5 or 6 focus groups such as border crossings, pavement conditions, etc. We do have a Transportation Planning Open House planned for Tuesday morning 9:00-11:30, March 7, 2006. It will be held in our lobby area on the 1st floor. There will some presentations from Asset Management and GPS data collections. We are also working on the Oracle Spatial for our databases, so that we can access data more quickly and accurately. It is working well.

V. MDEQ Projects and Activities

David Slayton, Michigan Department of Environmental Quality (MDEQ) – we are still working on map image viewer. We are trying to put that out to every desktop. We are having some problems with the installation. We are working on a web-mapping application to get it up and live. We are getting close on that. Also, we have started using the free version of Google Earth to represent data from a sideways view. On a large-scale project, such as a tributary up near Midland, you can represent data all the way down the watershed. Another good one is World Wind from NASA (National Aeronautics and Space Administration). If you have any time and a lot of ram on your computer, at least 512 and high-speed Internet connection, you will see something really cool. With the click of a button you will get the United States Geological Survey (USGS) 1-meter DOQQ's (Digital Ortho Quarter Quad), Topographic map, and LANDSAT (Land Satellite from NASA) stuff. We are also looking for landfill

information. We are trying to map out where all of the old landfills are. We don't want people to build over contaminated areas.

VI. MSP Projects and Activities

No representative present.

VII. MDCH Projects and Activities

No representative present.

VIII. MSI Projects and Activities

Charles Bender, Michigan State Industries (MSI) we got our requisition for a new scanner approved. We found that our scanner has the capabilities of taking fairly clean auto cad drawings and automatically digitizing them without the users intervention. We therefore can reduce the amount of time necessary to accurately digitize anything and bring it into the ESRI (Environmental Systems Research Institute) software. We have also been approached by MDEQ to digitize up to 1000 lakes. They had seen some of the work that we had done with MDNR Fisheries on lakes. They have lakes with 60 to100 acres that they are interested in doing work on the vegetation. We will send them a proposal. If the proposal is workable within their budget, then we will have a considerable amount of work to be done.

IX. CGI Projects and Activities

Rob Surber (CGI) we are working with the Asset Management Council doing Internet Investment Training for road improvement and investments. It will be on March 22, 2006 all over the state. Starting on March 22nd over the next month or so, we are going around the regions and helping to coordinate a lot of the training. All local road

agencies will be required to submit information through this application to identify road improvements. The cut-off date is June 1, 2006 for data collection on this application.

X. MSU Remote Sensing and GIS Research and Outreach Services Projects and Activities

No representative present.

XI. County/Local Projects and Activities

Rosemary Anger, Barry County – one of our goals was to get ready for metadata. We went back through 13 years of active 911 management and backlogged all of the changes, the dates, what the type of changes and who made the change. Then we were ready for future projecting out - these are the ones that have been changed and these are the ones that need to be changed. So, this is the status for our street address and ordinance for readdressing.

Valdis Kalnins, Allegan County – we are continuing to roll out Accuglobe to the local units of government from DDTI (Digital Data Technologies, Inc.) It seems to be meeting with a lot of success. It is easy to use. It is easy to turn layers on and off. They found they can do buffers for 300 ft notification for zoning changes. The zoning layers are maintained for them. It is semi-translucent, so that they can see the aerial underneath. The assessor's can measure distances and buildings. As we add more local units, we have set up an FTP site. As changes are made, we can send them an e-mail letting them know of the changes. And then they can go in and grab the new layer and override the old file that they had. The equalization department is charging them 40 cents a parcel with parcel maintenance. That includes parcel layer, splits and all the way to sub-divisions. The average township would pay $1600.00 annually. A quarter of that goes to

the LIS (Land Information System) department for GIS distribution. That would amount to $7000 to $8000 for the county. That will cover about 1/3 of the annual cost for parcel maintenance activities, but doesn't cover what we have already spent in creating the parcel layer. Lastly, I am going to Maryland for FEMA (Federal Emergency Management Administration) Training in a couple of weeks for the flood plain mapping. We are scheduled to have our flood plain maps redone this year. We are trying to partner as a county with FEMA to have it done. It seems FEMA usually goes through a contractor to do it, but we are trying to do it as a county.

Trevor Floyd, St. Clair County – one of the things we have done in St. Clair County is played around with the Agriculture database, all of the PA-116 records. We got an Excel spreadsheet from the Farmland folks for the PA-116's. The basic geographic reference was a legal description written by the landowner. I was able to find where all those land areas were and come up with the corresponding parcel ID's that match. We were then able to merge the two databases. The person we worked with at the Department of Agriculture has had a lot of problems with this database because the state is using a name match to look to see if someone filed for an exemption. We started off with about 258 PA-116 files that corresponded to roughly 350 land areas. Most of them had name match problems. 6 records had perfect matches. We took the 2005 aerials and the geography files of the parcels and ran it through the map book extension to create a map image of each land to pass onto the state.

XII. Regional

Steve Stepek, West Michigan Regional Planning Commission (WMRPC) – Krisanne gave us some POI data for the Bike Map product for MDOT in the Grand region. The map has ended up being more tourist information since there is too much information on bicycle services to be shown on a map this size. The other project I'm working on is mapping industrial parks and vacant land for the EDA.

XIII. Next Meeting Date

April 6th, 2006 10 a.m. until 12 p.m., Michigan Center for Geographic Information, George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48933