



# Mid-West GIS News & Notes

## Letter from the President

Welcome to our most recent edition of News & Notes. Relax and catch up on all of the recent happenings at Mid-West GIS.

WOW!!!! What a start to 2011. The first six months of the year have proven to be as hectic as we had predicted. Mid-West GIS has taken on almost a dozen new projects, completed over half of them, and has a board full of potential that should make this the biggest year yet for our company.

The addition of so many projects has led us to the inevitable....hiring of more people. We added Michael Tucker earlier this year, and are on the lookout for the next bright young prospect. Resumes are coming in, and interviews will begin around the end of the month. Hopefully we will be as fortunate with the next new hire as we were with Michael, he has turned out to be a work horse for Traffic Sign Inventories.

Mid-West GIS also had a huge promotion which you can read about in this issue. Congratulations Joe!

As the economy continues to rebound Mid-West GIS will continue to grow with it. Our goals is to continue to develop our services to meet the needs of our clients, and continue to educate and train our employees so that we can spread that knowledge to our clients. As always, we love to hear feedback on our Professional GIS & GPS Services.

Thanks again to all of our clients, business partners, family and friends for all of your continued support. We wouldn't be here without you!

Shane C. McDermott, President  
Mid-West GIS, Inc.

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**Survey Grade GPS Data Collection  
Used in the Collection of Sanitary  
Sewer System GIS**

## Hannibal Board of Works ~ Sanitary Sewer Mapping Project

Our featured project this issue is the Sanitary Sewer Mapping Project for the Hannibal Board of Public Works in Hannibal, Missouri. This project includes the collection of over 3,000 Sanitary Sewer Manholes.

The GPS collection of the manholes will be done using Real Time Kinematic (RTK) GPS which is considered Survey Grade accurate with accuracy levels of Sub-Centimeter on the horizontal axis and Sub 2 Centimeter on the Vertical Axis. This type of accuracy is needed for the collection of the elevation of the manhole rim, which is used to calculate the Invert Elevation once the manhole depth has been measured. This measurement is used to determine flow direction in a gravity fed system.

Work on this project has been going since January and will be complete in July of 2011.





## Cass County 911 Project

Mid-West GIS has just completed the Cass County 911 GPS data collection. This project included the collection of over 6,000 GPS points using vehicle mounted GPS. One point was collected for each structure for the entire county, and the house number (address) was noted as well.

In addition, the State Park was mapped out so that people could call in locations at the park and their location could be determined by 911 using the newly mapped out trails and points of interest.



**Vehicle Mounted GPS  
Used on 911 & Traffic Sign  
Inventory Projects**

## Scott County, Iowa Traffic Sign Inventory Project....Completed!!

Mid-West GIS has successfully completed our most recent sign inventory project for the Scott County Highway Department in Davenport, Iowa. This is by far one of the largest sign projects completed to date, with over 7,100 Signs collected on County maintained roads.

This project included the collection of GPS points and attributes for all signs on County roads only. The municipalities did not participate in this project.



Each sign had multiple attributes collected, including: Type, Size, Condition, Reflectivity Type, Post Type, Post Condition, as well as other valuable attributes.

This will now be used as the official sign inventory for the county, and will be specifically used in the replacement of signs that do not meet the Federal Highway Safety Administration guidelines on reflectivity.

Mid-West GIS has now completed over 300 sign inventories for Counties, Townships, and Municipalities in the past 4 years. For more information on this type of project please contact Shane McDermott at [shane@mid-westgis.com](mailto:shane@mid-westgis.com) or call our office at (217) 222-7793 or Toll Free at (877) 248-2349.

**The dates are quickly approaching to have a Sign Inventory in place to meet the regulations set forth by the Highway Safety Administration!!!**

**January 2012** - Must have a Sign Inventory Maintenance Tool In Place  
**January 2015** - Replace All Regulatory & Warning Signs Not Meeting Regulations

To schedule a demonstration on our sign inventory services please call our office at (217) 222-7793.



## New Projects

**Village of Downers Grove, Illinois Sign Inventory** - The Village of Downers Grove, Illinois has contracted with Mid-West GIS to complete a traffic sign inventory for the Village. This will be done using GPS data collection, with over 15 attributes collected for each sign.

**Allamakee County, Iowa Sign Inventory** - The Allamakee County Highway Department has hired Mid-West GIS to collect GPS data for multiple GIS data layers. Mid-West GIS will also be conducting ArcGIS training once the project is complete. Work on this project will begin in the Summer 2011.

**Crawford County Right of Way Mapping** - Mid-West GIS has been contracted by the Crawford County Highway Department to create a Right Of Way GIS data layer for all County and Township roads. This data layer will overlay existing GIS data that has been created in previous years by Mid-West GIS.

**Village of Skokie, Illinois Sign Inventory** - Mid-West GIS will begin data collection on Traffic Control Signs for the Village of Skokie, Illinois this summer. This project will include highly accurate GPS data collection, as well as a thorough inventory of all attributes of the sign and the post assembly. This will comply with Federal Highway Safety Administration guidelines for the implementation of a sign maintenance too, and will be used to upgrade signs to meet a 2015 deadline as well.

**Adams County Rural Address Guide & County Map** - Adams County, Illinois has contracted with Mid-West GIS to create the 2011 Adams County Rural Address Guide and the 2011 Adams County & Tri-Township Map. These products will be created using existing GIS data and ArcGIS 10 software. For more information on the Adams County GIS visit their website at <http://www.adamscountygis.com>.

## New Vice President

Joe Darnell has been promoted to the position of Vice President of Mid-West GIS. Joe has been with the firm since its inception in 2007.

Joe has over 8 years of experience with GIS, and has worked on every type of service Mid-West GIS offers.

Joe's responsibilities will include the management of all projects and personnel assigned to them, project reporting to both Mid-West GIS as well as the clients, as well as the continued development of GIS & GPS Services.

The next step in Joe's career will be continuing education and training in the quickly evolving field of ESRI products.

If you would like to contact Joe, his email is [joe@mid-westgis.com](mailto:joe@mid-westgis.com)

## Mid-West GIS Business Partners

Mid-West GIS partners with other firms in the GIS & GPS industries so that we can continue to offer our clients the most comprehensive services available. Here are a few of our valued partners:

**ESRI** - Mid-West GIS is part of an exclusive, preferred list of partners, qualified to deliver comprehensive GIS solutions. ESRI is the leading developer of GIS software and provides consulting, implementation, and technical support services. [www.esri.com](http://www.esri.com)

**The Sidwell Company** - The Sidwell Company is a well-known and respected company in the Midwest with an impeccable track record for customer service. They offer Parcel Conversion and Aerial Photography. [www.sidwellco.com](http://www.sidwellco.com)

**Swova** - Swova specializes in the design, development, implementation, and integration of geographic information systems, web server, and database server technologies. [www.swova.com](http://www.swova.com)

