

Daniel K. Sattler, GISP

Spatial Technology Lead



EDUCATION

B.S. Geography, University of Wisconsin – Oshkosh, 2005
Emphasis in GIS and Cartography

Joined Firm in 2007

Years of Experience: 20

CERTIFICATIONS

Geographic Information Systems Professional (GISP), GIS Certification Institute, 2015

Federal Aviation Administration
Remote Pilot Certification
November, 2018

Esri Certified ArcGIS Desktop Associate 19-001, 2020

ASSOCIATIONS

Wisconsin Land Information Association

Geospatial Information & Technology Association

Dan provides GIS services on numerous data collection and system development projects that promote efficiency in government. He is knowledgeable in AutoCAD, ArcGIS Pro, ArcGIS 10.x, ArcPad, and Trimble GPS technologies. Dan works closely with clients to tailor his work to fit their specific needs.

Dan is also an FAA commercially licensed UAS pilot. By following strict safety protocols, flights are conducted safely and in compliance with State and Federal regulations.

REPRESENTATIVE PROJECTS

Milton, WI

GIS Management Services

Maintain and update the City's water, storm, and sanitary systems as construction development occurs. As-built plans are incorporated into the GIS, including populating attributes for pipe size, material, slope, and structure attributes such as invert depth and elevations for manholes, hydrants, valves, etc. Work also included creating exhibits for proposed construction and development projects, extracting parcel and address data, and updating various district boundaries.

Delavan, WI

GIS Management Services

Maintains and updates the City's water, storm, sanitary, traffic signal, and street lighting systems as construction development occurs. As-built plans are incorporated into the GIS, including populating attributes for pipe size, material, slope, and structure attributes, such as invert depth and elevations for manholes, hydrants, valves, etc. Work also includes creating exhibits for proposed construction and development projects, extracting parcel and address data, and updating various district boundaries.

Beloit, WI

GIS Asset Management

GIS Analyst assisting the City with an audit, reorganization, upgrade, and functionality expansion of their GIS/Asset Management System. By implementing Cityworks AMS within the Department of Public Works, the City was able to accurately manage and track the daily operations of the Department, leading to increased efficiency and accurate reporting for budget and decision-making purposes.

Waterford, WI

GIS Management Services

Maintain and update utility and zoning GIS layers for the Village from as-built data and zoning changes, while also creating large format utility and zoning maps. Work also included creating exhibits for proposed construction and development projects, extracting parcel and address data, updating the municipal boundary and TIF district boundary, creating a 'safe route to school' map, and data analysis for illustrating floodplain and wetland impacts.

Waukesha Water Utility, Waukesha, WI

GIS Assistance

Our GIS responsibilities for the Water Utility included updating their GIS database from as-built drawings, and populating the database with pipe and fitting attributes such as size, material, and dimension information.

Oak Creek Water and Sewer Utility, Oak Creek, WI

GIS Programming and Optimization Services

The multi-phase project began with a review and then optimization of the Utility's current GIS data organization, processes, and goals. Working directly with Utility staff, Dan assisted with implementing procedures to improve the efficiency and performance of the system. One such task was to automate the process of consolidating chlorine residual values from Oak Creek's SCADA and field collected data into GIS. Included was the development of workflow tools to automate the consolidation and processing of the sample data from various sites and data formats that then provided an output of data in a single format compatible for mapping purposes for use in reports and easy visual analysis. The staff saves dozens of hours every quarter in manual data manipulation. Further work with the Utility included setting up their ArcGIS Online (AGOL) account, creating mobile field applications for data collection, and maintenance of utility-owned assets.

Additional projects for Oak Creek Water and Sewer Utility include:

- 27th Street Utility Relocations
- East Depot Road Water Main Extension
- Oakwood Road to Ryan Road Sanitary Sewer Study
- Howell Estates Water Main Relay

Williams Bay, WI

GIS Implementation, Management, and Consulting Services

Project Manager for developing the Village's ArcGIS Online (AGOL) account, creating mapping applications that can be used for Village staff across multiple departments, and creating a public-facing map site for the benefit of residents and visitors to the Village. The project also included a thorough data review and restructuring of datasets to meet industry standards.

Windsor Sanitary District, Village of Windsor, WI

GIS Management Services

Maintains and updates the Utility's water and sanitary sewer systems as construction development occurs. As-built plans are incorporated into the GIS, including populating attributes for pipe size, material, and slope, and structure attributes such as invert depth and elevations for manholes, hydrants, and valves. Work also includes creating exhibits for proposed construction and development projects, extracting parcel and address data, and updating various district boundaries.

Cedarburg, WI

Wastewater Utility Building Scans

Baxter & Woodman was tasked with scanning the interior components (walls, floors, ceilings and major obstructions) of various utility buildings to document existing conditions for future use.