

Final Program
WI Municipal and Utilities Special Interest Group (MUG)
Fall 2023 Conference

Friday, September 29, 2023
West Side Building
2598 West Main Street
Sun Prairie, WI

Please RSVP with Lou Rada – lrada@cityofsunprairie.com

8:25 – 8:30 Welcome and Opening Remarks

8:30 – 9:00 Leveraging an Enterprise Site at the City of Sun Prairie

City of Sun Prairie – Lou Rada, GIS Coordinator

The GIS Team created a maintenance schedule for all data, maps, and applications. Next, we realized a need for a centralized location which every City department could readily access. The solution was to deploy a department-based Enterprise Site. This proactive approach has empowered departments to not only access their maps and applications, but also other related departments solutions.

9:00 – 9:30 GIS Best Practices for Managing Unique Asset IDs

ITpipes – Andy Bartell, Project Manager/GIS Specialist

Proper identification of infrastructure and assets is an imperative component of asset management. One essential asset type that requires appropriate asset identifiers is sewer and water infrastructure. Knowing where an asset is located, the condition of that asset, and how to uniquely identify that asset is critical to adequately managing infrastructure and assets.

Using a Geographic Information System (GIS) to manage physical infrastructure assets is a popular and well-established method for asset management. Using a GIS like Esri's products is a common and standard way to manage asset IDs for physical assets and infrastructure.

This presentation will discuss best practices for designing, creating, and managing unique asset IDs using an Esri GIS.

9:30 – 10:00 Temporary Construction Permits: Creating Efficiencies in Contacting Residents Using Survey123 Reports and URL Parameters

City of Waukesha – Brad Blumer, GIS Manager

The City of Waukesha Department of Public Works performs roadway and sidewalk construction on an annual basis, which often causes disturbance on resident's parcels near the right-of-way. Due to a recent court ruling (Sojenhomer LLC vs. Village of Egg Harbor), the City determined that the best course of action was to receive written consent from property owners for the purposes of City construction projects. With a short deadline, a novel approach was needed to perform inspections, send notices, and receive approval. Survey123 was used to perform the inspections, generate mailings with unique QR codes, and send specific approvals from residents back to the city in a matter of days.

10:00 – 10:30 Break and Networking Opportunity

10:30 – 11:00 Intern Utilities Asset Management application using Field Maps and Survey 123

City of Muskego – Nick Engleman, GIS Coordinator (Map Developer)

Showing the groundworks of our internal asset management application. The application is set so the fieldwork employees don't have to input anything except for the issues, notetaking, and photos. Discussion of future implementations to the application.

11:00 – 11:30 What does catch basin cleanings and bees have in common?

City of Marshfield – David Buehler, Sr. GIS Coordinator

David Buehler, of course! Come learn about the City of Marshfield's storm water infrastructure cleaning program, and the City of Marshfield's No Mow May initiative. Both use Survey123 and ArcGIS Hub for well-rounded workflows, analytics, and interdepartmental cooperation. Come for one and stay for the other.

11:30 – 12:00 Transitioning to Experience Builder

ESRI – Jarod Fox, Solutions Engineer

ArcGIS Experience Builder is built on the latest web technologies. As more capabilities are added to Experience Builder, it might be time to consider modernizing your ArcGIS Web AppBuilder apps. In this session, you will learn how to improve your app with the most modern technology Experience Builder offers while keeping a consistent user interface and workflow to minimize the impact on your existing audience. We will talk about Experience Builder templates, building complete experiences and mobile optimization.

12:00 – 12:30 Break and Setup for Lunch 'n' Learn

12:30 – 1:15 Lunch 'n' Learn - CCTV Inspections

ITpipes – Andy Bartell, Project Manager/GIS Specialist

Sewer infrastructure in the US is failing, and municipalities are racing to inspect their sewers to identify the most critical assets that need repair with limited budgets. The problem a lot of municipalities face is siloed pipe inspection data that doesn't sync to their GIS or an asset management system. This presentation will highlight how municipalities can streamline their pipe inspection data management and utilize powerful reporting with dynamic mapping to take their buried infrastructure program from proactive to predictive.