

Session Abstracts

Ditch the Clipboard: Streamline Inspections and Maintenance with GIS

Presented by: Cassidy Killian, Cloudpoint Geospatial

Description: In the evolving landscape of GIS and Asset Management, transitioning from traditional inspection methods to digital solutions is essential for operational efficiency. This session explores how Geographic Information Systems (GIS) can effectively replace paper-based inspections with streamlined digital workflows. By showcasing two real-world asset management examples, this presentation demonstrates how data collected in the field flows directly to office staff in real-time. Attendees will learn how these integrated workflows save time, significantly reduce manual entry errors, and empower departments to make smarter, data-driven decisions

Keywords: *GIS, Public Works, Inspections, Maintenance, Asset Management*

Sealing the Leaks”: A Collaborative Overhaul of the Stormwater Utility Fee Workflow

Presented by: Timothy Dolan, City of Falls Church

Description: Stormwater utility fee calculations are essential for keeping a municipality's infrastructure afloat, yet the workflows behind them ebb and flow as roles and responsibilities evolve. In the City of Falls Church, VA, the process had been shaped over several years by multiple departments providing key pieces of the puzzle. As transitions occurred, the workflow became distributed, hidden in culverts, and at times supported by outside consultants to keep everything flowing smoothly. With the GIS Manager position again fully-staffed ahead of the 2026 calculation, the City saw an opportunity to bring these currents together and seal up small cracks that had formed. This presentation shares how Public Works GIS worked with departments to understand inputs, clarify assumptions, and build a unified, documented workflow to stand the test of time. This session illustrates how a collaborative, GIS-driven approach can transform a complex, multi-department workflow into a resilient municipal asset.

Keywords: *Public Works, Utility Fee Calculation, Impervious Surface Analysis, Process Improvement, Process Documentation*

Streamlining Fieldwork with Tasks in ArcGIS Field Maps

Presented by: Jay Riester, Seiler Geospatial

Description: Tired of fragmented communication and missed priorities? Discover how the new Tasks capability in ArcGIS Field Maps creates a "single pane of glass" for your field operations.

By turning spatial data into actionable to-do lists, Tasks allows office leads to assign, prioritize, and monitor work in real-time. Mobile crews stay focused with clear instructions and context-specific actions—all within the app they already use. Join this session to learn how to:

- Coordinate complex inspections with ease.
- Empower crews with offline-ready workflows.
- Bridge the gap between office planning and field execution.

Keywords: *Centralized, Prioritize, Efficiency, Inspections, Repair, Real-time, Verification, Monitor*

From Tiles to Insight: Building a County Imagery Downloader and What You Can Do With the Data

Presented by: Sig Gomez, Cook County Government

Description: High-resolution aerial and orthoimagery is one of a county's most valuable geospatial assets but getting it into the hands of the public been a bottleneck. This talk walks through how Cook County's GIS team designed and built an Imagery Tile Downloader that lets internal and external users pull tiled imagery on demand for their areas of interest.

The first half covers the build: the technical decisions, tile-scheme design, and lessons learned shipping a tool inside a large government environment. The second half pivots to examples of what users can do with the data. The goal is a practical, reproducible framework other government GIS shops can adapt and how end users can get started with their own analysis.