

Session Abstracts

Work It! Using GIS to Create Your Own Custom Work Order System

Presented by Tyler DeBruin, Town of Grand Chute

Description: Does your organization not have the money for an expensive third-party work order system? These applications cost organizations tens of thousands per year and even more in initial set up fees. In this session I will cover how you can use ESRI products along with webhooks to create your own work order system from scratch! It will also go into detail about how you can link a variety of other applications such as permitting and project specific applications into your work order system. This is a perfect session for municipalities, utilities, counties, and private organizations looking to better track work order asset management without the massive investment in time and money.

Keywords: *Work Order, ESRI, GIS, DPW, Water, Sanitary, Stormwater*

Build a Modern Work Management Solution with ArcGIS—Without the Enterprise Price Tag

Presented by Steve Mulberry, NV5

Description: Many organizations need better ways to manage assets, service requests, and work activities, but often face cost barriers when evaluating full-scale enterprise work management systems. This presentation explores how existing ArcGIS technology can be configured into a powerful and cost-effective alternative for managing operational workflows. Using tools such as ArcGIS Dashboards, Experience Builder, Web Editor, and the new Agentic Application JavaScript API, organizations can create a modern solution for visualizing assets, assigning and tracking work, updating field conditions, and improving overall operational awareness. Attendees will learn how to extend the value of their ArcGIS investment to support smarter, more connected asset and work order management workflows.

Keywords: *Management, Assets, GeoAI, ArcGIS, Operations, Awareness*

A Road Closure Solution Recipe by the City of Grand Island

Presented by Jennifer Parmeley, City of Grand Island

Description: The City of Grand Island Cone Zone application is the local authoritative source for road closures and work area information. Recently rebuilt in response to a department's request to incorporate the Waze ingredient, Cone Zone has risen from a simple line editing and display tool to a well-rounded application. Starting with the ESRI Road Closure Solution, we folded in an area feature layer, sprinkled in some Arcade, tossed in a few "but now can you" requests, and whipped up a dashboard to highlight all the ingredients in one application. Our multi-part tool pulls the initial closure ingredients from a survey request and concludes by feeding our local constituents with the best information available.

Keywords: *road closure, waze, ESRI Solution, application*

Less Distortion, More Collaboration: Washington's Stakeholder-Driven LDP Network

Presented by Jami Dennis, Geodetic Analysis LLC

Description: Low distortion projections (LDPs) provide less distortion but developing a statewide network requires something harder to calculate: consensus and collaboration. Washington State DOT is leading the effort on development of a network of LDP zones for eventual integration into State Plane 2022. To ensure the zones reflect real-world needs across state, county, local, and private industry stakeholders, WSDOT assembled a core guidance team and a broader stakeholder group representing surveyors and other professionals across the state. This presentation shares how GIS tools and collaboration helped guide the development of the Washington State low distortion projection coordinate system.

Keywords: *collaboration, map projections, low distortion projections, LDP*