WELCOME

Esri Mid-Atlantic User Conference

Connecting the Mid-Atlantic GIS Community

December 7-9 | Baltimore, Maryland
Baltimore Convention Center
ArcGIS for Local Government: Public Works Maps and Apps

Scott Oppmann
Esri Software Solutions
ArcGIS as a Platform
Simple, Open, and Configurable

Knowledge Workers
Executive Access
Public Engagement
Work Anywhere
Enterprise Integration

Professional GIS

Making Mapping and GIS Available Across Your Organization

Transforming the Role of GIS
ArcGIS for Local Government
Solution for Esri’s local government customers

- **Series of useful maps and apps focused on government work**
  - Configurable and extensible
  - Freely available and fully supported
- **Community of users**
  - Best Practices / Implementation Support
- **Network of Esri Services and Partner offerings**
  - Help users implement, sustain and enhance

.....Available on-premise or in the cloud
Our Mission
To help government organizations...

• Deliver maps and applications quickly throughout their organization

• Stay current with future releases/avoid legacy technology

• Deploy a geospatial platform that can be leveraged by many

• Leverage the collective knowledge of the entire community

• And do this with....less staff, budget, and technical expertise
ArcGIS for Local Government
Public Works Maps and Apps
Today’s Public Works Business Requirements

Expectations and business requirements have changed

- Historically, CAD and “paper” have been used to support mapping
- But, today’s business environment have changed these requirements......
City of Tampa

Public Works Maps and Apps
Our Goals
Expand the use of location-based data in public works organizations

- Developed focused maps and apps that address key workflows in:
  - Mapping and Design
  - Transportation Planning
  - Right of Way Operations
  - Parking
  - Citizen Services
- Leveraged ArcGIS Online as a platform for public works information and workflows
- Organized a community of users to guide the solution offerings
  - Starting with City of Tampa, FL
Public Works Maps and Apps

**Transportation Planning**
- Sidewalk Inventory
- Signal Inventory
- Public Parking
- Road Closures

**Right of Way Operations**
- Sign Inventory
- Streetlight Inventory
- Bridge Inventory
- Road Maintenance Agreements
- Guardrail Inventory
- Street Tree Inventory
- Railroad Crossing Inventory
- Street Furniture Inventory
- Pavement Marking Inventory
- SnowCOP

**Mapping and Design**
- Plans and Drawings
- Road Network Management
- Capital Project Planning

**Geo-enable Public Works Organization**
- Model ArcGIS Online Organization
Public Works Maps and Apps
Collaborate with other stakeholders

Prepare for Incidents and Events
A collection of maps used by engineering and operations staff to prepare for incidents or events, develop response plans, and communicate road closures.

Connect with Citizens
A collection of maps used by citizens to locate parks, obtain information about public works services, and submit requests for service in their community.

Maintain Facilities and Grounds
The Campus Editing map can be used by mapping technicians to maintain building, interior space, and exterior campus features.
Show Me!
Public Works Maps and Apps
A System View
Deploying ArcGIS for Local Government

Citizens

Fire Department
- Embedded maps
- Mobile apps
- Web apps
- Open data

Assessor’s Office
- Functional groups
- Editing maps
- Services
- Mobile apps
- Web apps
- Dashboards

Public Works
- Central groups
- Common services
- Standard basemaps
- Information model
How do I get started?

Leverage solution offerings to maximize technical expertise and minimize deployment time.

1. **Select a configuration pattern**
   a) Complete system adoption
   b) Publish and adopt
   c) Sample code and customize

2. **Deploy quick wins**
   a) Align with key business requirements
   b) Select one or more focused maps and apps
   c) Configure your mapping platform
   d) Deploy the focused maps and apps
   e) Iterate....

- Initial Implementation
- Iteration 1 Road Closures
- Iteration 2 Public Parking
- Iteration 3 Sign Inventory
- Iteration 4 Public Parking (2.0)
- Iteration 5 Road Network Management
The Community

Destination where government's can collaborate

Place where developers can contribute too

Ongoing dialog to share success stories and learn from others

It's not just about the technology
What’s Next?
Continuously Evolving Solution Offering
It’s a Process
Continuously Evolving Solution Offering

- Signaled Intersections
- Capital Project Planning
  - Tracking and Reporting
- Pavement Management
  - Micropaver integration, citizen information

...as we expand community engagement and develop partner and professional service offerings
Thank You

http://solutions.arcgis.com

http://meetup.com/ArcGIS-for-Local-Government/

@ArcGISLocalGov

http://esri.github.com
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