Public Works Maps and Apps for Local Governments

CHRIS FOX
SCOTT OPPMANN
Agenda

• Introduction

• Solution Offering

• What’s Next

• Your Feedback
ArcGIS as a Platform
Simple, Open, and Configurable

- Knowledge Workers
- Executive Access
- Public Engagement
- Work Anywhere
- Enterprise Integration

Making Mapping and GIS Available Across Your Organization

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

• Collection of useful maps and apps
  • 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

• Deliver maps and applications quickly throughout their organization
  • Roadmap for standard capabilities, improve service delivery, expand reach, innovation....

• Stay current with future releases / avoid legacy technology
  • Save time and money, leverage new ArcGIS offerings, focus on complex or unique problems....

• Unlock geospatial platform so it can be leveraged by many

• Leverage the collective knowledge of the entire community
  • Best practices, industry tradecraft....
Elections
- Early Voting
- Election Polling Places
- Polling Wait Times
- Election Results
- Historical Election Results Gallery
- My Elected Representative

Land Records
- Tax Parcel Editing
- Data Reviewer for Parcels
- Public Land Survey Editing
- Parcel Drafter
- Community Parcels
- Value Analysis Dashboard
- My Tax Distribution
- Tax Reverted Properties
- Assessment Appeals
- Tax Parcel Viewer
- School Locator
- Residential Comp Finder
- Tax Map Book

Public Health
- Opioid Awareness Maps
- Naloxone Deployment Reporter
- Drug Activity Reporter
- Drug Drop-off Locator
- Drug Drop-off Calculator
- Health Resource Inventory
- Opioid Treatment Locator
- Pain Management Locator
- Opioid Response Dashboard
- Homeless Point-in-Time Counts
- Homeless Service Locator
- Homeless Activity Reporter

Law Enforcement
- Cell Phone Analysis
- Near Repeat Analysis
- Public Safety Incident Maps
- Field Interview Map
- Tactical Operation Planner
- Tactical Operation Dashboard
- Tactical Operation Surveillance

Fire Service
- Fire Station Wall Map
- Fire Incident Maps
- Fire Run Book
- Target Hazard Analysis
- Pre-Incident Plan Coordinator
- Pre-Incident Plan Field Inventory
- Pre-Incident Plan Dashboard
- Pre-Incident Plan Locator
- Fire Hydrant Inspection
- Fire Safety Survey
- AED Reporter
- AED Locator
- AED Inventory
- Emergency Assistance

Fire Service
- Campus Place Locator
- Campus Editing
- Citizen Problem Reporter
- My Government Services
- Plans and Drawings
- Road Maintenance Agreements
- Public Parking
- Capital Project Planning
- Capital Project Tracking
- Road Closures
- Vision Zero
- Crash Analysis
- Road Network Editing
- Adopta
- Flood Planning
- SnowCOP
- Participatory Budgeting

Public Works
- Sign Inventory
- Signal Inventory
- Streetlight Inventory
- Street Tree Inventory
- Bridge Inventory
- Sidewalk Inventory
- Pavement Marking Inventory
- Guardrail Inventory
- Street Furniture Inventory
- Railroad Crossing Inventory
- Mosquito Adulticide Planning
- Mosquito Field Observations
- Mosquito Health Concerns
- Mosquito Larvicide Reporting
- Mosquito Population Surveillance
- Mosquito Service Request
- Mosquito Spray Areas
- Mosquito Spray Exclusions

Planning and Development
- Address Data Management
- Data Reviewer for Addresses
- Community Addresses
- Address Field Verification
- Address Crowdsourcing
- Site Selector
- Live, Work, Locate
- Incentive Zones
- Events Calendar
- Events Permit
- Events Permit Review
- Events Site Map
- Events Coordination
- Events Map Gallery
- 3D Public Survey
- Visualize Proposed Developments
- Visibility Assessment

Entire Organization
- Administrative Area Data Management
- Local Government Basemaps
- Data Reviewer for Basemaps
- Local Government 3D Scenes
- ArcGIS Online Model Organization
- Local Government Information Model
- Service Catalog
Today’s Public Works Business Requirements

Expectations and business requirements have changed

• Historically, CAD and “paper” used to support maintenance and construction
• But, today’s business environment have changed these requirements......
Our Goals
Expand the use of location-based data in public works organizations

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

Transportation Planning
- Public Parking
- Sidewalk Inventory
- Signal Inventory
- Road Closures
- Vision Zero
- Crash Analysis
- Road Closures

Facilities Management
- Campus Place Locator
- Campus Editing

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

Mapping and Design
- Road Network Editing
- Administrative Area
- Data Management
- Plans and Drawings
- Capital Project Planning
- Capital Project Tracking

Community Events
- Events Calendar
- Events Coordination
- Events Map Gallery
- Events Permit
- Events Permit Review
- Events Site Map

Citizen Services
- Citizen Problem Reporter
- My Government Services
- Public Comment
- Park Locator
- Adopta
- Participatory Budgeting

Mosquito Control
- Adulticide Planning
- Field Operations
- Health Concerns
- Larvicide Reporting
- Population Surveillance
- Service Request
- Spray Areas
- Spray Exclusions

Solutions also available for public works organizations that manage underground utilities
Public Works Maps and Apps
SHOW ME!
Public Works Maps and Apps

Transportation Planning
- Public Parking
- Sidewalk Inventory
- Signal Inventory
- Road Closures
- Vision Zero
- Crash Analysis
- Road Closures

Facilities Management
- Campus Place Locator
- Campus Editing

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

Mapping and Design
- Road Network Editing
- Administrative Area
- Data Management
- Plans and Drawings
- Capital Project Planning
- Capital Project Tracking

Community Events
- Events Calendar
- Events Coordination
- Events Map Gallery
- Events Permit
- Events Permit Review
- Events Site Map

Citizen Services
- Citizen Problem Reporter
- My Government Services
- Public Comment
- Park Locator
- Adopta
- Participatory Budgeting

Mosquito Control
- Adulticide Planning
- Field Operations
- Health Concerns
- Larvicide Reporting
- Population Surveillance
- Service Request
- Spray Areas
- Spray Exclusions

Solutions also available for public works organizations that manage underground utilities
How do I get started?

Leverage solution offerings to maximize technical expertise and minimize deployment time

1. Deploy quick wins
   a) Configure your mapping platform
   b) Align with strategic business needs
   c) Deploy one or more focused maps and apps
   d) Iterate....
It’s a Process
CONTINUOUSLY EVOLVING SOLUTION
What’s New

• Adopta

• Participatory Budgeting

• Mosquito Adulticide Planning enhancements

• Citizen Problem Reporter enhancements
  • Generate problem IDs, moderate content, email notifications

• Additional deployment approaches
  • ArcGIS Solutions Deployment Tool, simplified information model
Coming Soon
Continuously Evolving Solution Offering

• Mobility / Vision Zero
• Right of Way Permitting
• Snow response enhancements
• Capital Project Planning enhancements
• Open Data configurations / Hub initiatives
Join the Community

It’s not just about the technology
Closing

• Deliver a public works GIS that enables success
  • Easier to deploy and sustain

• Evolve and grow the collection of apps

• Develop a community of users

• Provide a platform for partners to deploy their solutions
UC Events

- ArcGIS for Local Government Sessions
  - Ten tech workshops
  - Thirteen demo theatre sessions
- Special Interest Group
  - Wednesday lunch
- State and Local Government Social
- Solution Island
  - Focused conversations / support

Search for: “ArcGIS for Local Government”
http://www.esri.com/events/user-conference/agenda
Please Take Our Survey on the Esri Events App!

Download the Esri Events app and find your event

Select the session you attended

Scroll down to find the survey

Complete Answers and Select “Submit”
Thank you
Be innovative, aware, and know you are not alone

http://solutions.arcgis.com
http://meetup.com/ArcGIS-for-Local-Government/
@ArcGISLocalGov
http://esri.github.com