Building a Smarter Community: GIS for State and Local Government

Edited by Chris Thomas and Keith Mann

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Part 1: Planning and Urban Design

GIS case studies featured in the book

- City of Oshkosh: [A 3D Model Provides the Vision to Combat Blight](#)
- City of Seattle: [New Residents, Tech Boom Demand Agile Growth](#)
- Richland County: [Green Infrastructure Plan Fuels Smarter Growth in Richland County](#)
- City of Honolulu: [Honolulu Planners Visualize Housing Patterns with an Eye on Affordability](#)

Additional case studies

- Kenton County: [Visualization, Storytelling, and Collaboration Bring City Planning to Life](#)
- Utah Department of Natural Resources (video): [Restoring damage to over 2 million acres of natural habitat](#)
- City of Boston: [Meet Boston's Digital Twin](#)
- City of Bellingham (Story Map): [Bellingham Housing Statistics](#)
- State of Ohio: [Parks and Maps Go Modern in Ohio](#)
- City of San Francisco: [With Space at a Premium, San Francisco Gets Creative](#)
- City of Uppsala: [Uppsala Creates a Detailed Digital Twin to Enhance Sustainability](#)
- City of Los Angeles: [City of Los Angeles Tracks Land-Use Data Edits, Enabling Smart and Agile Growth](#)

How to get started

- Learn ArcGIS: [Get to know ArcGIS Urban](#)
- Learn ArcGIS: [Try ArcGIS Urban](#)
- Learn ArcGIS: [Redevelop a downtown corridor with ArcGIS Urban](#)
- Learn ArcGIS: [3D visualization in ArcGIS Online](#)
- Learn ArcGIS: [Get started with ArcGIS GeoPlanner](#)
- Learn ArcGIS: [3D in ArcGIS Pro](#)
- ArcGIS Solutions: [Planning and Development](#)
- ArcGIS Solutions: [Assessment and Taxation](#)
- ArcGIS Solutions: [Fish and Wildlife](#)
- ArcGIS Solutions: [Introduction to Public Notification](#)
- Story Map: [Seeing Green Infrastructure](#)

Part 2: Operational Efficiency

GIS case studies featured in the book

- District Department of Transportation: [GIS Helps Prioritize Repairs for Washington, DC's Heavily Trafficked Roadways](#)
- McCarron Airport, Las Vegas: [Smart Operations for City's International Airport](#)
- City of Salinas: [Startup Takes On Stormwater Management—and Salinas Gains Efficiency](#)
- Crawford County: [A Pennsylvania County Makes Quicker Work of Property Assessments](#)

Additional case studies

- Ontwa Township: [A Michigan Township Modernizes Sewer Management](#)
- City of Santa Barbara: [Santa Barbara Strengthens Field Data Collection with a New Mobile GIS Workflow](#)
- Bernalillo County: [Streamlining Hydrant Inspections and Maintenance with ArcGIS and Maximo](#)

- Wyoming Department of Transportation: [Navigating Wyoming's Snowy, Blowy Roads](#)

- Town of Collierville: [Collector Saves Town in Tennessee $15,000](#)

- Pinellas County (video): [County saves $5.2 million per year preparing for the future](#)

- City of Baton Rouge: [In Baton Rouge, Dashboards Give Citizen Service Calls Perspective](#)

- City of Nacogdoches: [GIS Field Apps Keep Public Works Department Running Smoothly](#)

- City of Thorton: [Signs of Change](#)

- Sullivan County: [GIS Enables Tourist Destination to Operate Efficiently While Empowering Others](#)

How to get started

- Learn ArcGIS: [Try ArcGIS Dashboards](#)

- Learn ArcGIS: [Get started with ArcGIS Drone2Map](#)

- Learn ArcGIS: [Try ArcGIS Collector](#)

- Learn ArcGIS: [Find, inspect, and replace guardrail end treatments](#)

- ArcGIS Solutions: [Public Works](#)

- ArcGIS Solutions: [Emergency Management](#)

- ArcGIS Solutions: [Fire Service](#)

- ArcGIS Solutions: [Law Enforcement](#)

Part 3: Data-driven Decisions

GIS case studies featured in the book

- City of Sacramento: [Sacramento's Revamped 311 System Uses Groundbreaking Location Analytics](#)

- State of Michigan: [Michigan Moves Statewide Aerial Imagery to the Cloud](#)

- City of Coral Gables: [Smart City Hub Meets the Needs of Modern Citizens](#)

Additional case studies

- State of Maryland: [Hub Site Gives Road Maintenance Projects More Transparency](#)
- Horry County: [Taking a More Granular Look at Tourism](#)
- City of Topeka: [Data Visualization App Increases Financial Transparency](#)
- City of Sarasota: [COVID-19: Idled Sarasota Employees Contribute with Fieldwork](#)
- City of Charlotte: [Taking a Data-Driven Approach to Affordable Housing](#)
- State of Iowa: [Iowa DOT Makes Foundational Changes to Modernize Mobility](#)
- City of Zwolle: [Using ArcGIS Hub, Local Government Works with Residents to Study Climate Change](#)
- East Bay Municipal Utility District: [ArcGIS Data Reviewer Helps Bay Area Utility Improve QA and Data Integrity](#)
- City of South Bend: [Open Data Powers Economic Growth in South Bend, Indiana](#)
- City of Gilbert: [Open Data Strengthens Lean Government](#)

How to get started

- Learn ArcGIS: [Try ArcGIS Insights](#)
- Learn ArcGIS: [Track virus spread with ArcGIS Insights](#)
- Learn ArcGIS: [Explore commercial permits](#)
- Learn ArcGIS: [Digitize Your Neighborhood with Community Maps](#)
- ArcGIS Solutions: [Identify relationships and patterns in civic data](#)
- ArcGIS Solutions: [Introduction to participatory budgeting](#)
- ArcGIS Solutions: [Introduction to performance management](#)
- ArcGIS Solutions: [Introduction to Parcel Value Analysis](#)

Part 4: Civic Inclusion

GIS case studies featured in the book

- City of Johns Creek: [An Open Data Strategy Pays Off for Johns Creek](#)
- City of Brampton: [City of Brampton, Canada, Saves Time, Money with GeoHub](#)
- City of Coral Gables, Florida: [Smart City Hub Meets the Needs of Modern Citizens](#)

- State of Utah: [Utah Involves Public in Redistricting](#)

Additional case studies

- City of San Rafael: [San Rafael Supports Minority-Owned Businesses with Open Restaurants](#)
- King County: [Geography Brings Equity and Social Justice into Focus in King County](#)
- City of Oakland: [Maps Show the Real Picture of Race and Equity in Oakland](#)
- State of New York: [New York Uses Maps to Advocate for Justice in Driver's License Suspensions](#)
- State of Tennessee: [Public Outreach for Environmental Justice](#)
- Cook County: [Cook County Opens Data Hub to Citizens, Civic Activists](#)
- City of Houston: [Maps and Data Strengthen Calls for Housing Equity in Houston](#)
- Palm Beach and Philadelphia counties: [Online Schooling Prompts Municipalities to Map Digital Inequities](#)
- San Bernardino County: [ArcGIS Apps Help County Sheriff Provide Targeted Assistance to Homeless Populations](#)
- City of Tempe: [Tempe, Ariz., Maps and Monitors Opioid Use](#)
- City of Philadelphia: [Philadelphia Police Collaborate to Address Crime that Arrests Alone Won't Solve](#)

How to get started

- Learn ArcGIS: [Fight child poverty with demographic analysis](#)
- Learn ArcGIS: [Examine racial inequities in unsolved murder cases](#)
- Learn ArcGIS: [Calculate environmental equity for public policy](#)
- Learn ArcGIS: [Understand the refugee crisis with link analysis](#)
- Learn ArcGIS (video): [Locating testing facilities to equitably serve vulnerable communities](#)
- Learn ArcGIS: [Identify relationships and patterns in civic data](#)
- ArcGIS Solutions: [Identify relationships and patterns in civic data](#)
- ArcGIS Solutions: [Introduction to Health and Human Services](#)

- ArcGIS Solutions: [Introduction to Racial Equity Community Outreach](#)
- ArcGIS Solutions: [Introduction to Business Inclusion](#)
- ArcGIS Solutions: [Introduction to Police Transparency](#)