Geospatial Programs
Supporting All Aspects of Local Government

Geographic information system (GIS) technology provides vital support for almost everything a local government does. Well-defined geospatial programs help jurisdictions provide quality service to citizens in a cost-effective manner.

Local government geospatial programs support a wide variety of functions including:

Community Development

- 3D visualization
- Capital improvement planning
- Citizen participation
- Land-use analysis
- Sustainability initiatives
- Zoning efforts

Economic Development

- Affordable housing
- Special district assessments
- Job creation
- Business retention and attraction

Education

- Facilities planning and management
- Classroom instruction
- School boundary assignment
- Long-range planning

Environment

- Air quality improvements
- Endangered species and environmental protection
- Regulation
- Site remediation
- Disaster response
- Storm water management

Health and Human Services

- Disease outbreak tracking and response
- Services locators
- Social services administration
- Fraud detection

Homeland Security and Emergency Management

- Critical infrastructure protection
- Hazmat response
- Natural disaster mitigation and response
- Situational awareness
- Special events planning and management
- Evacuation planning

Open Government

- Open data
- Crowdsourcing

Public Safety

- 911 dispatch and management
- Crime analysis
- Deployment planning and response-time analysis
- Suspicious activity reporting
- Threat assessment
- Community-oriented policing

Public Works

- Vehicle routing for inspections, trash pickup, and snow plowing
- Parks management
- Permitting
- Work order management
- Infrastructure management

Revenue

- Impact and impervious surface fee assessment
- Property tax assessment
- Revenue projection

Transparency

- Place-based citizen notification
- Citizen engagement
- Citizen information portals such as maps of American Recovery and Reinvestment Act of 2009 (ARRA) investments

Transportation

- Mass transit management
- Congestion management
- Demand modeling
- Infrastructure design and maintenance
- Capital project management

Utilities

- Asset management
- Call-before-you-dig programs
- Demand forecasting
- Dispatching
- Outage notification and response
- Broadband availability mapping