



“What is GIS?”

Willdan provides the following GIS services to government agencies:

- Water Distribution System Mapping and Modeling
- Wastewater Collection System Mapping and Modeling
- Stormwater Collection System Mapping and Modeling
- Field Data Collection
- Hydrologic and Hydraulic Modeling
- Pavement Management
- Municipal Planning and Zoning
- Land Subdivision
- Building Permits
- Transportation Planning and Traffic Analysis
- Vehicle Routing
- Public Safety—Police, Fire
- Disaster Management
- NPDES IC/ID Reporting
- GASB 34 Asset Inventory
- Assessment District Management
- Maintenance District Mapping
- Housing Inventory/Blight Analysis
- Street Address Assignment

Geographical Information Systems (GIS)

are used to display and analyze any type of spatially referenced information. GIS has applications in practically every walk of life including health care, crime enforcement and prevention, financial analysis, wildlife management and conservation, military planning, disaster management and many other disciplines.

In the arena of Public Works, GIS has found wide application in infrastructure mapping, analysis, design and management. A GIS is often prepared as part of a sewer or storm drain master plan. GIS can be used to analyze topography, soil and vegetation, feed data to hydrologic modeling software, and prepare atlas maps. GIS can be used to gather and analyze data from a municipal water distribution system and provide input to a hydraulic model. GIS can analyze the interaction between topography and built infrastructure so that, for example, it can be used to predict the best location to intercept and contain a sewer spill. Other documents can be linked to the GIS so that clicking on a feature opens the as-built drawing or plays a CCTV inspection video. Using GIS for fleet management dramatically reduces driver hours and vehicle miles while providing a higher level of customer service. GIS helps you manage your assets more effectively resulting in cost savings throughout the enterprise.

