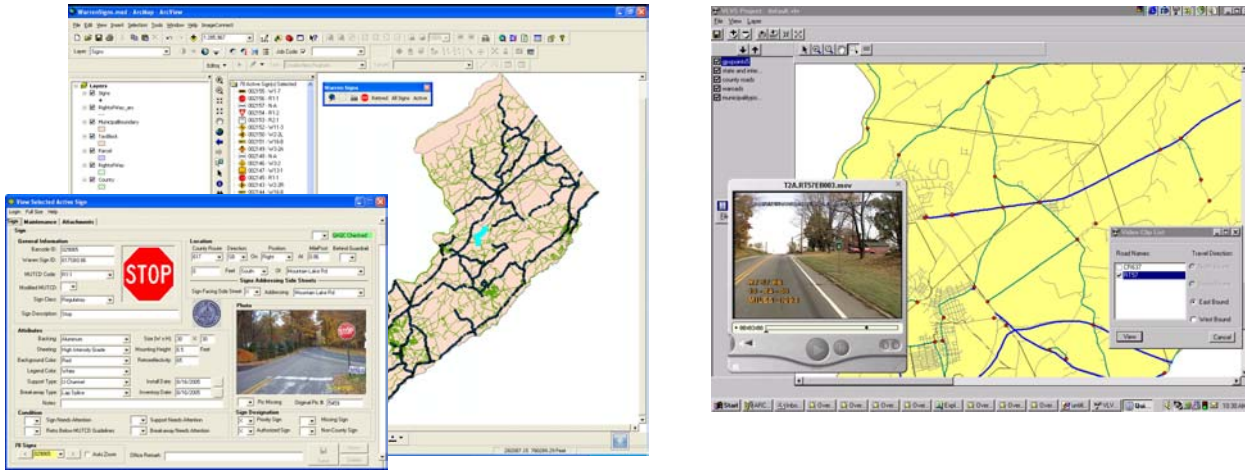


Warren County Transportation Asset Management System



Client/Owner: Warren County Engineer's Office

Project Location: Belvidere, NJ

GPI implemented a Transportation Asset Management System for Warren County, NJ. This system consists of a Bridge Management System (BMS), a Sign Management System (SMS), and a Videolog Viewing System.

The BMS consisted of a database of around 1,000 structures within the County. The resulting database assists the County in evaluating, prioritizing, scheduling, and implementing the maintenance, repairs and/or replacement activities of these structures based on structural deficiencies. The BMS interfaces with the County's ESRI based geographical information system (GIS).

The SMS consists of over 9,000 County signs along approximately 255 miles of roadways in Warren County. GPI has created a customized ESRI ArcGIS-based SMS that is used to display, query and report upon the County's signs. The System is also used for predictive maintenance and budget modeling. As part of this project, GPI inventoried all signs including unauthorized signs such as private directory signs, municipal boundary signs, watershed signs, clean & green signs and all others encountered during the fieldwork. GPI is also providing training and technical support to the County.

The VLVS included the project design, data collection, delivery and installation of a client-server type application on which county personnel are able to view digital video along any section of county roadway. The VLVS was completed along 310 miles of Warren County and New Jersey State Highways.