



CASS WORKS is Installed at the City of Elgin

RJN was selected based on the flexible and customer-centric approach

With its population expected to reach nearly 100,000 and in efforts to continually improve the quality of services and its stewardship of the future, the City of Elgin initiated a project to develop a City-wide Infrastructure Management System. RJN Group, Inc. was selected for this important project based on the flexible and customer-centric approach to the project.

The system provides support for managing the water, sewer, storm, and pavement infrastructure. Components of the system include:

- Asset inventories
- Physical inspection and condition assessment
- Capital projects assessment
- Corrective and preventative maintenance tracking
- Work management forecasting
- Productivity tracking

The project included the City's Water and Public Works Departments and is used for the support of infrastructure activities for water distribution and treatment, sanitary sewer, storm and drainage, streets, and traffic engineering.

The system utilizes RJN's CASS WORKS® Infrastructure Management System and CASSView™ GIS Viewer. The City's Enterprise Geographic Information System (GIS) was integrated with these systems allowing for update of asset information and use of historical data from CASS WORKS.

The project was managed and implemented by RJN. Data was translated from ArcView shape files for the water distribution system. The sewer inventory was from Hansen (Version 7.1) for all manholes and line segments, and Microstation DGN files, which have been transferred into the CASS WORKS System. RJN also loaded existing street, traffic signal, and sanitary sewer inventories into the system.

The City's infrastructure supports a service area of just over 24 square miles, and includes 370 miles of water main, 300 miles of sanitary sewer, 283 miles of storm sewer, and 285 miles of streets. Maintenance and asset inventories for plants and buildings are also managed in the system.

RJN will also be providing integration with the City's ArcView editing application for the water system to ensure updates of the database links and shared attribute data are maintained in both the GIS and the CASS WORKS Oracle Database.

