Whiteside County Illinois

Project Profile

Fulton, Illinois

Whiteside County, Illinois is a rural county in northwestern Illinois with a GIS department maintained by one staff member. The county recently transitioned to the Local Government Information Model (LGIM) to better manage their GIS data and take advantage of Esri's Solution Templates, and ArcGIS Online. Additionally, the county's cadastral data is organized in Esri's Parcel Fabric data model. Leveraging these technologies has provided more opportunities to share information and services the county provides with staff and the public. Whiteside County is a leader in small county government technology, not just in the state of Illinois, but across the nation. The county now happily enjoys the benefits of the parcel fabric model.

> "The idea of being able to plug data in without changing fields was really attractive as a small staffed county."
> --Lauren Lee, Whiteside County GIS Coordinator

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Assessment

- The county's GIS department is working with limited staffing; thus, making it difficult to maintain and archive old parcels.
- Before moving to the LGIM and Parcel Fabric, some parcels were found to be mapped inaccurately.
- The county desired the ability to hold on to archives and view historial parcels, rather than overwrite the data once an update was made. Existing technology did not have the capabilities to store historical data in a fluid matter.

Solution

- Countywide conversion of **37,000 parcels.**
- Conversion of parcel & lot dimensions, easements, and roads were to a fabric dimension layer.
- Configuration of Parcel Administrator for parcel fabric maintenance.
- Setup and configuration of FARMS for use with LGIM.
- Sidwell provided onsite installation, and geodatabase delivery and configuration.
- On site parcel fabric focused cadastral maintenance training.

Impact

- Historic parcels can now easily be maintained and viewed at anytime.
- The capabilites of editing in the parcel fabric has condensed the amount of labor in editing and made the workflow more efficient.
- The public can now more easily access county data. They can view historical records and view parcel locations.
- Sidwell supported the transition of county data into the LGIM model, allowing county staff to greatly widen the breadth of their GIS capabilites. Their model allowed for rich mapping applications to be easily developed, including a polling place finder, elected representatives map, a school locator app, a tax parcel viewer, and other assessment info on the county's GIS website.

Whiteside County

Area: 697 sq. miles
Parcels: 37,006
Population: 58,498
Density: 85/sq. mi
*as of 2010 census