

# SUCCESS STORY

## ▶▶▶ STREAMLINING THE WORKFLOW BETWEEN MODERNIZED PARCEL DATA AND A TAX AND ASSESSMENT DATABASE

### PROBLEM

The Barron County Land Information Office has been actively following a program of land records modernization and GIS integration. ADC has worked with the county from the start, providing a variety of GIS related services from needs assessment to application and data development. Some townships within the county were previously mapped using CAD software and ADC was asked to convert these drawings into shapefiles, attributed with parcel number, which could be linked to the counties tax and assessment database.

### SOLUTION

ADC created parcel shapefiles and CAD drawings for approximately half the county using COGO and available information from the counties tax database, CSM's, deeds, plats, and other legal documents. Parcel creation was based upon section corner data provided by the county, in Barron County coordinates. This data is used on an almost daily basis by a variety of departments within the county.

In addition to development of a digital parcel layer, ADC has assisted the county in a number of other areas such as projection and processing of all USGS DRG's to the Barron County coordinate system and development of automated tools to simplify interaction between the digital parcel data and the counties tax and assessment database. ADC also constructed an end user tool for evaluation of existing dxf files and automated updates to shapefiles. The tool assesses the location of potential problems within the dxf files and creates an index coverage to assist with locating these problems. Once all problems have been corrected, the tool retrieves the parcel shapefile and automatically updates the layer based upon changes in the dxf file.

### RESULTS

ADC has provided Barron County with several new tools to help them streamline and manage the work flow of several departments within the county.

