Introducing
GeoElections®
Integrated Mapping

PitneyBowes
Business Insight
PARTNER

ICW
International
Computer Works

We empower the people who manage the elections process.

- Specifically designed for elections with up to date features that make GeoElections® a uniquely positioned solution to assist you and your staff to better meet your management goals and objectives.

- Interoperability with your voter registration system eliminating manual data entry into street maintenance through this programmatic electronic data transfer from GeoElections®, GIS to street index with complete or transactional update options.

- The Paper Dictionary provides a bridge from GeoElections® to your voter registration system when you do not have a programmatic interface available for your voter registration system.

- GeoCoding Engine uses your map data to put your voters on your map.

- Editing TIGER/Line or Shape Files allow you to use the same data your state legislature will use for redistricting, the P.L. 94-171 data.

- Legal Descriptions in terse, medium or verbose provide walking instructions that define precincts, wards and other jurisdictional boundaries as required.

- Calculates and creates maps of precinct splits for inspection and redesign. Tabulates voters to census blocks for use with redistricting to assemble blocks into precincts.

- WebElection™ publishes and archives results to the web, provides precinct level interactive maps along with traditional web based reports for the viewing public.

- GeoPackager builds a menu interface for distributing your data (streets, precincts, polling sites, congressional districts, and others) with a free map viewer all of which runs off distribution CD's or copied to local disk to run at the speed of the local computer.

- Image Maker generates jpg, tiff, gif, etc. files of polling location maps for use on websites, sample ballot mailers, or maps to meet statutory reporting to accompany legal descriptions.

For more information visit our web site at http://www.icwmaps.com and browse our catalog of GeoElections® News or select Products & Services to read about GeoElections and obtain more detailed product specifications.
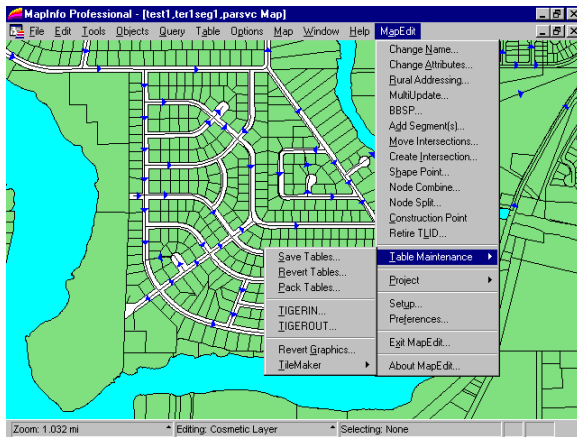
The above is a brief listing of some of the features offered with GeoElections®. Items not listed include DOJ Reporter, MapMaker, Election Night Reporting and more.

ICW, where geography and imagination converge.

The Work Flow of GeoElections®
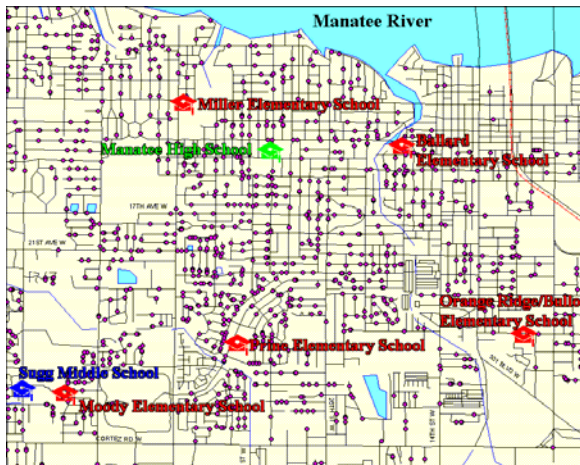
Step 1   GeoAuthor®

It all begins with the map. GeoAuthor® consists of the editing tools, data integrity checks and a TIGER/Line Shape translator. GeoAuthor® facilitates making topologically correct edits to a TIGER/Line map. These edits include aligning the TIGERs to a local base map, correcting street names, address ranges, ZIP Codes, and adding missing streets or even entire subdivisions.

With the updated TIGER/Line Files, GeoAuthor® regenerates the TIGER/Line files spatially enhanced and attribute enriched into forty layers or more.
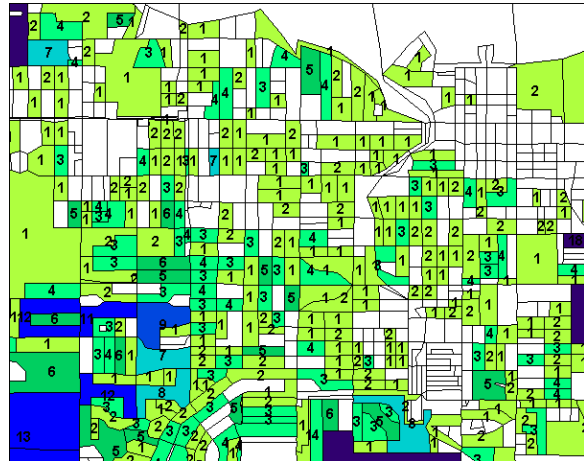
Step 2   Geocoding

Building layers, 40 map layers or more, created from the updated TIGERs includes road map. The road map is used to geocode voters to the correct block face using GeoElection®. The voters are the smaller dots on our map. In this example we are using schools as polling places which are clearly marked on our map. One can measure the distance from the warehouse or tabulation center to the polling places.
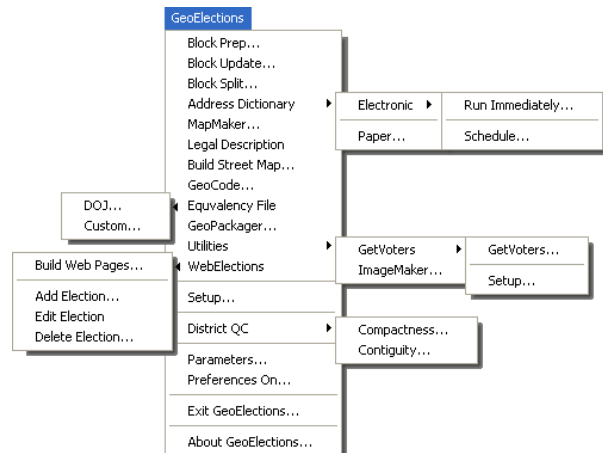

Step 3   Re-Precincting

Census blocks are another map layer built from the enhanced TIGERs. GeoElections® tabulates the geocoded voter demographics at the block level. The map of blocks illustrates the number of voters that reside in each block. The data comes from the preceding pin map of geocoded voters.

The blocks can be used to define precincts using the redistricting module not to exceed the number of registered voters per precinct as statutes may require.

Step 4   GeoElections®

GeoElections® provides an easy-to-use interface that automates and streamlines numerous facets of election management. First and foremost is the use of GIS as an integrated compliment to the elections software used for the voter registration system. GeoElections® provides functionality to support your staff in activities from the back office to the home page. GeoElections®

includes features from precinct design and statutory reporting to VR street index updates and web based election results reporting and archival.