

## Ottawa County GIS Department

### Project Title

#### Geodatabase Migration and ArcSDE/ArcIMS Upgrade Projects



### Project Description

Ottawa County GIS has developed and maintained its transportation and property mapping in an ArcInfo coverage and regions-based format for a number of years. The County recognized the need to migrate this older GIS coverage format information into a fully functional and modern GIS geodatabase format. Also, there was a desire to integrate this data with ArcSDE and their ArcIMS application and update this core software to the most current versions.

InfoGeographics was contracted to assist in this migration of data and map maintenance function, as well as the upgrading of the central systems. This entailed tasks to structure the database design, perform data grooming and conversion, training for maintenance personnel, integrating the data into the ArcSDE servers, and updating of core software and applications.

### Project Responsibilities

InfoGeographics followed a structured methodology to accomplish the project goals. These entail the following steps and methods:

#### *Transportation Mapping Database Design*

- Used Federal Standards and the ArcGIS Transportation Data Model as a template.
- Provided consistency and reciprocity with the Michigan Framework data.
- Geodatabase Transportation Design delivered in UML and actual format.

#### *Property Mapping Database Design*

- Used Federal Standards and the ArcGIS Land Parcel Data Model as a template, adjusting these to a Michigan model compatible with Ottawa County's existing data and usage.
- Geodatabase Parcel Design delivered in UML and actual format.

#### *Existing Data Conversion*

- GIS transportation and property coverage data groomed for conversion process.
- Data converted into Geodatabase format, QC'd, and integrated with ArcSDE.

#### *Training Support*

- Onsite training conducted with delivered data for maintenance and general use.

### *ArcSDE and ArcIMS Upgrades*

- Onsite assistance was provided to upgrade the ArcSDE installation to Version 9.x and migrate and test all data on the new server.
- Onsite assistance was performed to upgrade the ArcIMS installation to Version 9.x and move the existing application to that platform with all necessary changes.

### **Contact**

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