



Engineering ■ Planning ■ Surveying

**SOLUTIONS
PERFORMANCE
RELATIONSHIPS**

GIS Data Conversion

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- Database Design & Development
- Annotation Guidelines
- Automated Quality Assurance/ Quality Control Checks
- Scanning & Digitizing
- Developing Custom GIS Applications

The foundation of every Geographic Information System (GIS) is the database. The process of creating a database from source information is called data conversion. Source data must undergo conversion in order to support the final goal of any GIS project. Conversion sources can range from existing hardcopy or digital records, to sources such as field surveys or aerial photography.

There are five major components that need to be addressed in a data conversion project. These include:

- Project Implementation Objectives
- Database Design
- Data Conversion Plan & Procedures
- Quality Assurance / Quality Control Plan
- Long Term Maintenance and Updates

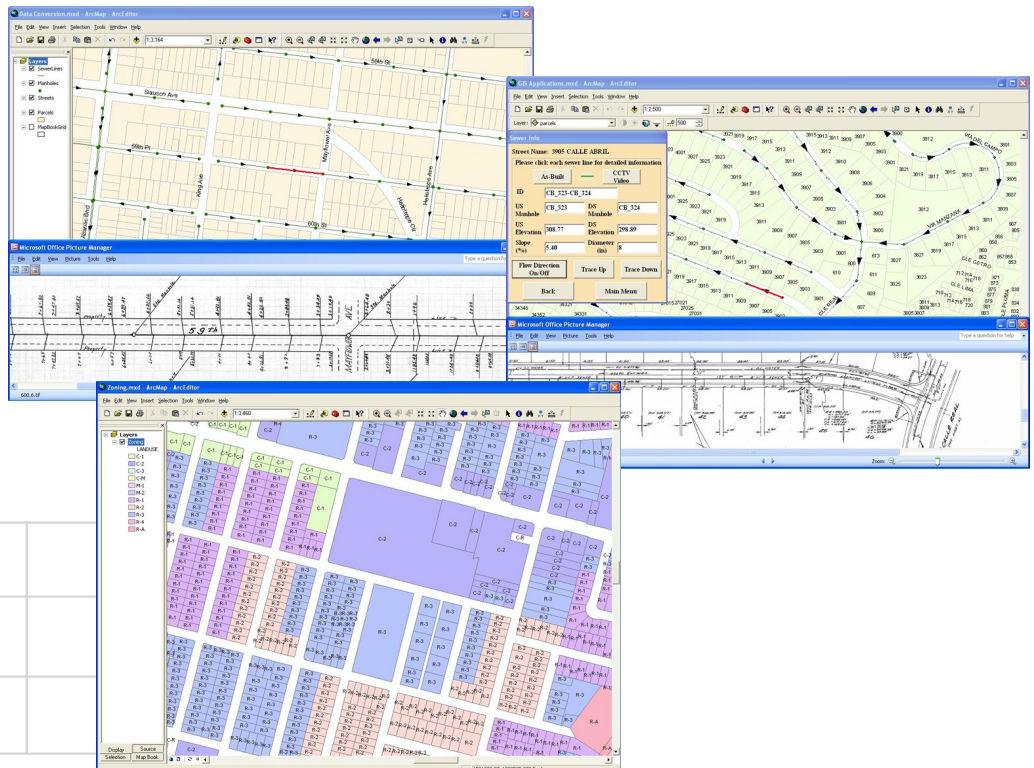
The greatest single cost in implementing a GIS is the conversion of printed maps into digital format. Hall & Foreman, Inc. (HFI) works with their clients to develop conversion specifications, and provides high quality digitizing and scanning services with complete data verification to assure the value of such an investment.

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