

# Transportation Engineering



IL Route 19 and IL Route 59, Streamwood, IL

## GHA's transportation engineering services include:

- Traffic Data Collection
- Traffic Impact Studies
- Intersection Design Studies
- Street and Roadway Corridor Studies
- Intersection Improvements and Roadway Design
- Traffic Signal Design
- Signal Coordination and Timing (SCAT)
- Traffic Modeling
- Roadway Lighting
- Comprehensive Transportation Plans
- Parking Lot and Internal Circulation Plans
- Traffic Routing and Drive Time Studies
- Safety Studies
- Expert Testimony at Public Hearings and Court Cases
- Bicycle Path Planning and Design
- Engineering Phase I Studies
- Engineering Phase II Design

Project related traffic impacts can be a major source of contention and additional costs for any project. A clear understanding of existing traffic conditions, accurate future projections and familiarity with required improvements are vital elements to land development.

Gewalt Hamilton Associates, Inc. has extensive resources and experience in transportation engineering, traffic planning, traffic signal design and signal systems optimization for both public and private sectors. Whether conducting traffic studies, designing intersection improvements, coordinating and optimizing traffic signal operations, or reviewing these elements on behalf of public agencies, we have the expertise to provide a complete range of transportation engineering services.

The foundation for any traffic study is a clear understanding of existing conditions. GHA has the largest inventory of passive magnetic sensor traffic counters in the United States and a full staff of traffic data collection personnel to conduct traffic counts for state, county, local and private development projects.

