



HAMPTON, LENZINI AND RENWICK, INC.

ENGINEERS | SURVEYORS

*Engineering the success of our communities.*

# TRAFFIC ENGINEERING



## SMART TRAFFIC SOLUTIONS FOR GROWING COMMUNITIES

New development often brings more traffic, longer delays, and higher crash rates. HLR's traffic engineering team helps you plan ahead with solutions that keep roads safe and efficient.

Our engineers are licensed in Illinois, hold PTOE certifications, and are IMSA-certified to design, test, and program traffic signal controllers. Over the past 15+ years, we've completed thousands of studies and designs, supporting major transportation projects across the region.

### Comprehensive Traffic Engineering Services

HLR is well-versed in every aspect of transportation engineering — from data-driven analysis to innovative design solutions. Our services include:

- + Traffic Signal and System Design
- + Signal Coordination and Timing (SCAT)
- + Optimization / Re-Optimization of Traffic Signal Systems
- + Traffic Impact Studies & Analyses (TIA/TIS)
- + Safety Studies & Crash Analysis
- + Speed Studies & Traffic Calming Evaluations
- + Temporary Traffic Signal Timings
- + Traffic System Computer Modeling and Analysis
- + Traffic Operations & Maintenance (TSOM)
- + Review Services & Peer Evaluations

We also provide planning and feasibility studies, data collection, and traffic calming strategies to improve safety and mobility.

### Technology-Driven Design & Analysis

We use the latest industry tools to ensure accurate analysis and future-ready solutions:

- + Simulation & analysis: Synchro, HCS, SIDRA
- + Signal monitoring: Centrats, TACTICS, Aries, TransSuite

By maintaining the latest versions of these platforms, we deliver solutions that are not only technically sound but also future-ready.

### From Concept to Completion

We support projects from analysis through design, construction, and signal operations monitoring. Our team considers community input, evaluates alternatives, and delivers cost-effective solutions tailored to your needs and budget.



### About Hampton, Lenzini and Renwick, Inc.

Since 1965, Hampton, Lenzini and Renwick, Inc. (HLR) has partnered with communities, local agencies, and private clients to deliver expert engineering, environmental, and surveying services. As a 100% employee-owned firm, we embrace a culture of **Work Hard | Have Fun | Give Back®**, driving responsive service, effective collaboration, and stronger communities.

Our team of engineers, environmental specialists, surveyors, and technicians provides personalized support and expert guidance through every project phase—from planning to implementation. With five offices across Illinois, we have the resources to manage large, complex projects while staying connected to the people and relationships that matter most.



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**WORK HARD | HAVE FUN | GIVE BACK®**

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