

Southeast



**BOLTON
& MENK**

Real People. Real Solutions.

TRAFFIC STUDIES

SAFE AND EFFICIENT GROUND TRAVEL IS VITAL TO EVERYONE.

Bolton & Menk offers a range of services to understand safety and operational needs of individual intersections, corridors, and pedestrian facilities. Studies can consider both short- and long-term needs and impacts; whether improvements are needed due to the impact of local development, proposed land uses, or long-term area growth. Studies guide the improvement and investment decisions to best fit the public's needs.

Why Bolton & Menk

Bolton & Menk is a one-stop-shop for traffic services, offering full project development services from project scoping to design through construction. Our proven team of professionals routinely evaluate a variety of alternatives to solve your traffic challenges, from tried and true to innovative and game changing.

Intersection Studies

Intersection Operations and Design: Understanding the level of service provided to all modes at an intersection is a key factor in selecting appropriate intersection treatments. Our experienced staff are proficient in determining appropriate control treatments and intersection sizing to meet existing and future needs.

Roundabout Analysis and Design: Recognized as leaders in roundabout design and construction in a variety of settings, our staff analyzes roundabouts using various capacity analysis tools and are experts in context sensitive design, tailoring roundabouts to best serve the area's needs.

Intersection Control Evaluations: These wide-ranging and comprehensive studies guide and document intersection control, following national and statewide guidance for intersection operations, design, and benefit/cost analysis.




Interchange Studies: Appropriately planning and sizing interchange designs using a variety of capacity and simulation tools is important to help agencies guide and plan for interchange facilities.

Corridor Studies

Corridor Safety Review: Identifying historical safety issues is vital to understanding a facility's true needs. Performing roadway safety audits and crash history statistical analyses can better guide data-driven countermeasure implementation.

CONTACT

 Aaron Cook, PE, PTOE, Traffic Project Manager

 Aaron.Cook@bolton-menk.com

 Bolton-Menk.com



Corridor Operations Modeling and Simulation: Optimizing the design using traffic modeling software and interpreting those results into cost-effective solutions is a valuable service in planning for the long-term success of your roadway network.

Access Management Plans: Traffic operations and safety don't always go hand-in-hand with providing easy access to local businesses and residents. Finding access deficiencies and forming fair and equitable access plans can help set a precedent for future access management.

Travel Demand Modeling and Forecasts: Traffic forecasts lay the groundwork for traffic planning, design, and decision-making. Our engineers accurately define the expected demand on a given facility using a variety of methodology and software.

Specialty Traffic Studies

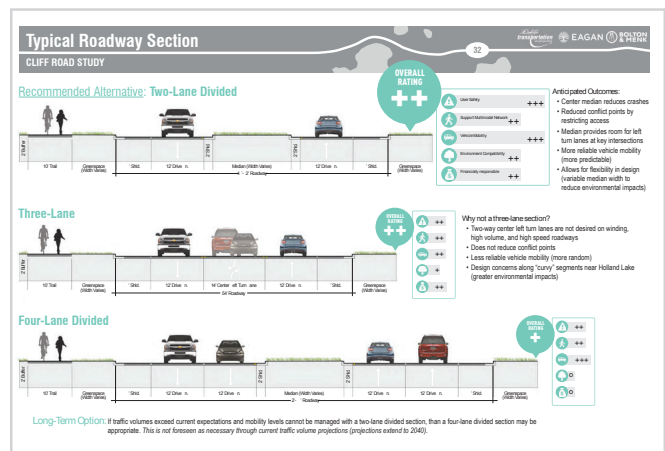
Pedestrian Operations and Treatment Recommendations: Heavily used pedestrian areas often require their own considerations. We can weigh several treatments and best practices that best meet the project's needs.

Traffic Impact Studies and Assessments: Judging whether a development is successful often relates to its impact on the surrounding environment, which may not be realized for years after opening day. By analyzing development impacts, we can recommend improvements to surrounding infrastructure.

School Speed Zone Studies: School zone safety is often a priority for communities where a one-size-fits-all approach is never the answer. Our team draws on best practices and community involvement to recommend best-fit solutions.

Traffic Signal Timings: Whether the goal is improved vehicle/pedestrian safety or improved arterial travel times, our engineers can provide expert optimization or calculation of signal timings.

Project Communication: Displaying complex information in an easily understood and digestible format for the public is important. Guiding in-person or virtual interaction between all stakeholders is vital in creating and maintaining equitable traffic solutions.



Project Development & Design Services

Traffic Signals

- Temporary traffic signal systems
- Permanent traffic signal systems
- Emergency vehicle hybrid beacon systems

Roadway Lighting

- Photometric evaluation
- Decorative and pedestrian lighting
- Utility company coordination for leased light poles

Enhanced Pedestrian Crossing Devices

- Rectangular Rapid Flashing Beacon (RRFB)
- Pedestrian hybrid beacon systems
- Pedestrian signals
- Geometric improvements (bumpouts, pavement markings, etc.)

Intelligent Transportation Systems (ITS)

- Fiber optic interconnection
- Traffic management system design

