

Traffic Engineering Services

CEC has extensive experience in all aspects of traffic engineering analysis and design, from the collection and evaluation of data to the preparation of transportation impact studies, traffic signal permit plans, and driveway plans for access to state and local roadways.



CEC's traffic engineers have wide-ranging knowledge of state and local requirements, as well as extensive experience with public presentations and providing expert testimony. Whether evaluating an isolated intersection or a congested corridor, determining the impacts of newly proposed development, or analyzing deficiencies in the existing transportation system, CEC conducts traffic engineering studies that form the basis for sound and informed decision-making.

CEC is able to provide due diligence studies, including Feasibility Studies and Alternatives Analyses, at the onset of site selection.

With consideration for the safety of the motoring public at the forefront of all decisions, CEC provides thorough and detailed analyses of existing and future projected traffic conditions and develops cost-effective, practical solutions for individual property owners, architects, engineers, commercial developers, institutions, and public agencies. These services include:

- Intersection and Driveway Studies
- Site Access and Circulation Evaluations
- Trip Generation Studies
- Traffic Signal and Auxiliary Turn Lane Warrants Evaluations
- Queuing Studies

When combined, these services form the basis of a full Development Impact Study.

ADDITIONAL STUDIES

- Point-of-Access Studies
- Traffic Control Device and Compliance Studies
- Traffic Signal System/Corridor Evaluations
- Parking Services to estimate generation, needs, demand and turnover
- Origin/Destination Studies
- Pedestrian and Bicycle Studies
- Travel Time/Delay Studies
- Special Event Planning
- School Area Studies, including Establishing School Zones and Evaluating Safe Walking Routes
- Municipal and Residual Waste Management Facility Studies
- Roadway Inventories and Roadway Safety Audits

Upon completion of the study phase, CEC can provide additional traffic services in the form of:

- Highway/Roadway Occupancy Permit Plans
- Maintenance and Protection of Traffic Plans
- Signing and Pavement Marking Plans
- Traffic Signal Plans
- Flashing Warning Device Plans

MUNICIPAL TRAFFIC SERVICES

Local municipalities may require additional services to assist in transportation planning and funding options or to address problems specific to local roadways. CEC services uniquely tailored to municipal clients include:

- Traffic Calming Studies
- Comprehensive Transportation Planning
- Transportation Impact Fee Studies/Capital Improvements Planning