Services

Access Management
ADA Compliance
Bicycle/Pedestrian Plans & Facilities
Community & Stakeholder Engagement
Complete Streets
Construction Detour Mitigation
Construction Review & Inspection Data Collection
Expert Witness Services
Freeway & Arterial Operations
Funding & Grant Applications
Geographic Information Systems (GIS)
Micro-Simulation Modeling
Parking Studies
Roadway & Intersection Design
Roundabout Studies & Design
Safety Studies & Analysis
Signal Optimization & Synchronization
Smart Cities Planning
Sustainable Transportation Solutions
Traffic Calming
Traffic Impact Studies
Traffic Signal Turn-Ons & Programming
Traffic Signal, Lighting & ITS Design
Training & Professional Development
Transportation Planning
Travel Forecasting & Modeling

Staff
12 Licensed Professional Engineers (PE)
12 Professional Traffic Operations Engineers (PTEOE)
2 Professional Transportation Planners (PTP)

Clients
Private Businesses
Developers
Land Owners
Government Agencies
Not-for-Profit Organizations
Public Institutions
Engineering Firms
Architects

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MISSION STATEMENT
CBB is a Midwest firm where free-thinking, innovation, and collaboration merge with international best practices to provide traffic engineering and transportation planning solutions for safer, more sustainable, and economically vibrant communities.

ABOUT CBB
Established in 1973, CBB is a leader in transportation engineering and planning. Several of our staff members have advanced professional accomplishments including post-graduate degrees in transportation engineering and planning, licensure as Professional Engineers (PE), and certifications as Professional Traffic Operations Engineers (PTOE) and Professional Transportation Planners (PTP). Our active engagement in technical societies such as the Institute of Transportation Engineers (ITE), American Public Works Association (APWA), International Municipal Signals Association (IMSA), American Planning Association (APA), and Transportation Research Board (TRB) keep us abreast of new trends, advancements, and technologies.

SERVICE AREAS
ENGINEERING STUDIES AND PLANNING
CBB blends transportation engineering and planning to develop visionary, practical solutions that meet the needs of our clients. Through the use of the latest analytical tools, we work to promote safe and efficient access, mobility, and circulation. CBB has participated in every stage of project development such as access management, safety studies, traffic impact studies, comprehensive transportation plans, public engagement, and the writing of grant applications.

DESIGN SERVICES
The CBB team provides design services for public and private clients for projects ranging in size from interchanges to turn lanes and driveways. Each project is a unique assignment and we strive to develop alternatives that minimize impacts and construction costs. CBB has a wide-range of design experience including highways, complex intersections and interchanges, roundabouts, traffic calming, sidewalks, trails, ADA compliance, traffic signals, ITS, and lighting.

ARTERIAL OPERATIONS
CBB specializes in the analysis, optimization and synchronization of signalized intersections along corridors and within urban networks. Our signature approach incorporates core traffic engineering practices combined with extensive in-field implementation strategies. CBB also specializes in real-time management of traffic for construction and other projects, including signal turn-on assistance and detour mitigation.

FREEWAY OPERATIONS
CBB’s extensive freeway operations experience provides us with a deep understanding of the issues and challenges related to complex urban freeways. We use advanced traffic simulation modeling techniques to thoroughly test alternatives. We understand advanced operational strategies and how to apply them to on-the-ground systems. Our team regularly performs Access Justification Reports, bottleneck removal plans, corridor evaluations, and interchange studies.

SUSTAINABLE TRANSPORTATION
CBB believes that multimodal transportation solutions and balanced transportation systems are vital to connecting communities. Our team has experience with bicycle and pedestrian planning, Great Streets, Complete Streets, Safe Routes to Schools, trail planning, and walkability audits. CBB also understands that new technologies can often enhance the efficiency and effectiveness of transportation infrastructure through “Smart City” concepts. CBB’s practical approach to sustainable transportation solutions helps to ensure that our recommendations are implementable in the communities that we serve.

DATA COLLECTION
CBB understands the importance of starting projects with accurate data, since the data is the foundation for transportation decision making. Our staff performs traffic counts, parking inventories, speed studies, gap and delay studies, origin and destination studies, sidewalk inventories and sign inventories. Our dedicated technical staff allows us to provide our clients with quality transportation data at a minimal cost. Our inventory of data collection equipment allows us to respond quickly to project needs.