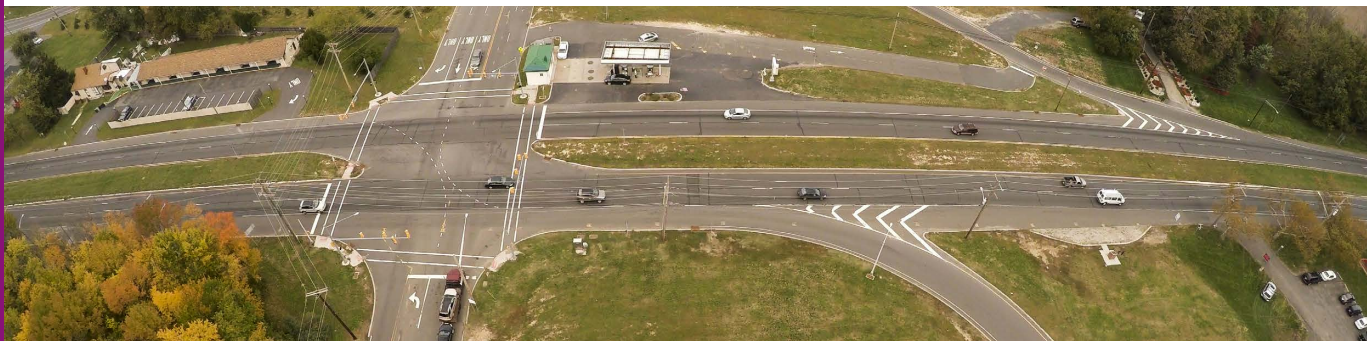


Traffic & Transportation

Traffic Engineering & ITS • Transportation Planning
Highway Design • Bridges



In today's multi-modal society, our roadway systems affect our lives on a daily basis. Whether designing a new access ramp to a highway or implementing a state-of-the-art crosswalk signal, our traffic, highway and bridge professionals have the experience to make improvements to our roadway network in a safe and seamless manner. Having the ability to provide a full spectrum of transportation engineering, planning and related services through a single source is beneficial to both public and private sector clients. Our professionals provide the services you need to connect communities with the surrounding environment through effective roadway and transportation design.

Comprehensive Approach



Traffic Engineering & ITS

Our traffic engineering professionals provide an essential component that complements our transportation planning and highway design services. Our expertise includes concept development, design, construction administration and inspection and traffic operations management for large and small projects. Specializing in traffic signalization, our professionals have design expertise with adaptive traffic signal systems, signal optimization, Intelligent Transportation System (ITS) design, electrical design and accessible pedestrian signals, coupled with a vast comprehension of equipment and operational needs. Our in-depth knowledge of the regulatory process and established working relationships with various local, county, state and federal agencies facilitates successful project completion.

- Traffic Signal Design & Analysis
- Adaptive Traffic Signal Systems Design
- Temporary & Permanent Lighting Design
- System Engineering & ITS Design Services
- Traffic Operations Support Services
- Pavement Marking & Signing Design
- Roadway Safety & Vision Zero Services
- ADA Curb Ramp Design & Pedestrian Accessibility
- Railroad Crossing Safety Audits & Improvements
- Roadway Asset Inventories & Management
- Sustainable Transportation Services
- Complete Streets Projects (including Bicycle Accommodations)
- Traffic Operations Center Operations

Transportation Planning

Maser Consulting's seasoned professionals offer all aspects of transportation analysis, design, planning and permitting for improvements in local, county and state jurisdictions. Our expertise encompasses the preparation of comprehensive traffic impact studies and expert testimony for private development uses including shopping centers, fast-food restaurants, pharmacies, convenience stores, service stations and industrial/warehouse facilities. Having established relationships with DOT and county agencies has enabled us to obtain access to timely permitting and other entitlements. Working closely with a wide array of related, in-house services enables us to provide full support to traffic engineering, highway design, bridges and site development for projects of all sizes and complexities.

- Traffic Impact Studies
- Highway Access Permitting
- Expert Testimony
- Parking & Accident Analysis
- Transportation Improvement Districts
- Transit Oriented Developments
- Highway Corridor Analysis
- Origin/Destination Surveys
- Wayfinding Signage Design

Highway Design

Our highway design professionals undertake projects ranging in all sizes and complexities, providing design and conceptual planning, construction engineering, alignment studies and final contract documents for the construction of and improvements to state and interstate highways and county roadway networks. Our team of experts has completed projects in both urban and rural settings, ranging from minor geometric upgrades to multi-million dollar corridor improvements.

- Highway & Roadway Design
- Intersection & Roundabout Design
- Ramp, Jughandle & Interchange Design
- Traffic Signs, Markings & Sign Panel Design
- Roadway Safety Audits & Safety Upgrades
- Maintenance & Protection of Traffic Plans
- Utility Accommodation & Relocations
- Roadway Drainage & Stormwater Management
- Roadway Jurisdictional Maps
- Mobile LiDAR Mapping Services

Bridge Engineering

Our team of highly experienced bridge experts offers a full range of bridge services from scoping, planning and preliminary engineering through final design, for small to large scale bridges. We partner with our clients to understand project objectives, while formulating solutions that result in successful outcomes that are safe, efficient, economical and sensitive to the environment. Other services include scour analysis and hydraulic design, traffic analysis, environmental permitting, and construction administration and inspection. Our professionals fully recognize the daily impact bridge functionality has on the surrounding communities, and we implement bridge designs that address these important aspects and focus on the environment, historical significance and quality of community life.

- Project Planning, Scope Assessment & Feasibility Studies
- Bridge Rehabilitation & Replacement Alternatives
- Design Review & Cost Estimating
- Structural Condition Assessment
- Bridge Inspection & Maintenance Programs
- Culverts, Concrete/Earthen Dam, Design, Analysis, Inspection
- Historic Bridge Rehabilitation
- Storm Damage Assessment & Repair Design
- Construction Support & Inspection
- Geotechnical Structural Health Assessment



*Civil/Site • **Traffic/Transportation** • Public • Survey/Geospatial
Infrastructure • Geotechnical/Environmental • Telecommunications • Energy*

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Maser Consulting is a multi-discipline consulting and engineering design firm providing customized solutions for public and private clients through a network of offices nationwide.

For a full listing of our office locations, please visit our website
www.maserconsulting.com



Engineers • Planners • Surveyors • Landscape Architects • Environmental Scientists