

TRANSPORTATION ENGINEERING

Delta has provided responsive, cost effective, and innovative solutions for transportation and infrastructure projects for public and private clients since 1976. Our portfolio of services includes the planning, design and analysis of bridges, culverts, highways, city streets, rural roads, sidewalks, parking lots, parking structures, greenways, streetscapes, and recreational trails.

In addition, we provide specialty bridge engineering services, traffic planning and analysis, transportation-related studies, disaster recovery engineering services, and a full suite of construction inspection and support services.



BRIDGE ENGINEERING & SPECIALTY SERVICES

Delta provides analysis, design, and inspection services for a wide range of new bridge construction and bridge rehabilitation projects ranging from Fiber Reinforced Polymer (FRP) bridge decks to multi-span concrete bridge structures. We have extensive experience with all bridge types including highly specialized services related to the rehabilitation of historic, metal truss, and concrete arch bridges.



HIGHWAY ENGINEERING

Our highway design services range from conducting simple corridor studies to full development of multi-million dollar highways and intersections. We use state-of-the-art design and visualization tools to develop design alternatives and collaborate closely with our clients to determine the best solutions.



TRAFFIC ENGINEERING

Our traffic engineering services address safety and efficiency issues related to planned developments and existing facilities. Virtually all infrastructure improvement projects require thoughtful advance planning of traffic consequences in the early development stages as well as during the construction phase.

PEDESTRIAN & RECREATIONAL ENHANCEMENTS

We assist municipalities and non-profits with the planning and development of business district “makeovers,” recreational trails, and park facilities. Our project management services consider the full range of agency and funding requirements and coordination, public participation and consensus building, alternatives analysis, and design execution.

CONSTRUCTION INSPECTION SERVICES

We provide customized project construction administration and inspection services. Our engineers assist with bid phase evaluation services and guide your project through the construction phase efficiently. Our inspection staff performs “constructability” reviews before bid phase to ensure that construction plans and documents are efficiently organized.



CONSTRUCTION SUPPORT SERVICES

We provide specialized engineering support services for contractors on a per project basis that include bridge demolition plans, bridge erection plans, cofferdam design, excavation and support system design, bridge jacking plans, construction site traffic control plans, and survey stakeout.

DISASTER RECOVERY SERVICES

Delta can respond rapidly to provide an integrated set of infrastructure-related services to help communities and local governments recover from natural disasters such as floods. We can quickly mobilize teams of qualified engineers and inspectors to document damage and to develop solutions.

TRANSPORTATION ENGINEERING SERVICES

Delta has built a solid reputation for listening to our clients and for delivering responsive service that exceeds expectations. Representative lists of transportation and infrastructure services that we provide are presented below. If you have additional requirements, please contact our leaders for further information.

BRIDGE ENGINEERING

- Bridge Renovations & Replacements
- Historic Bridge Restoration
- Bridge Deck Evaluations and Repairs
- Trusses & Arches
- Bridge Programming Studies
- Foundation Design
- Prefabricated Structure Integration
- Temporary and Specialty Structures
- Structural & Safety Flag Mitigation
- Structural Integrity Evaluations
- In-Depth Inspections
- Substructure Evaluations and Repairs
- Bridge Erection & Demolition Plans
- Culverts & Cofferdams



HIGHWAY ENGINEERING

- Highway/Roadway Design
- Interchange Design
- Roundabout Design
- Pavement Rehab/Reconstruction
- Geometric Improvements
- Signage/Pavement Marking
- Feasibility Studies
- Design Visualization
- NYSDOT Design Reports
- Intersection Safety Improvements
- Parking Studies & Design
- Utility & Lighting Design
- Corridor Studies & Scoping Reports
- NPDES Permits
- Stormwater Pollution Prevention Plans

TRAFFIC ENGINEERING

- Traffic Impact & Corridor Studies
- Traffic Signal Design & Optimization
- Maintenance & Protection of Traffic
- Intersection & Safety Improvements
- Traffic Signs & Event Traffic Plans

BRIDGE SPECIALTY SERVICES

- Environmental & Geotech Coordination
- Concrete Deterioration Evaluation
- Hydraulic and Scour Analysis & Repair
- Bridge Load Ratings
- Seismic Design & Fatigue Analyses
- SHPO Coordination
- Bridge Type Studies
- Value Engineering
- Section 4(f) and 6(f) Evaluations

PEDESTRIAN & RECREATIONAL ENHANCEMENTS

- Streetscape & Aesthetic Enhancements
- ADA-Compliant Pedestrian Amenities
- Sidewalk Design & Improvements
- Bicycle & Pedestrian Accommodations
- Pedestrian Bridges
- Trails, Greenways, & Riverwalks

CONSTRUCTION SUPPORT SERVICES

- Bridge Demolition Plans
- Bridge Erection Plans
- Cofferdam Design
- Excavation and Support System Design
- Bridge Jacking
- Traffic Control Plans
- Survey Stakeout (NY)

EXPERIENCED LEADERSHIP



JOSEPH J. MIECZKOWSKI, PE

Joe Mieczkowski, PE is our Director of Transportation Services. He has extensive experience in the design, management and construction oversight of bridge replacement and rehabilitation projects including precast and pre-stressed concrete structures, conventional steel girder bridges, truss bridges, concrete arch structures and fiber-reinforced polymer (FRP) structures. Joe has managed dozens of bridge projects through all design and construction stages. Joe directs transportation project design and schedule, bid document preparation, budgets, quality assurance, and construction management.

Contact Joe
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OFFICE LOCATIONS

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