

TRANSPORTATION OWNER FOCUSED



Borton  Lawson
ENGINEERING | ARCHITECTURE

TRANSPORTATION OWNER FOCUSED

Our Transportation group offers cutting-edge solutions on highway and bridge infrastructure projects with specific focuses for Owners and Contractors.

HIGHWAY

Borton-Lawson employs an experienced team of highway engineers, designers, and technicians who understand all facets of highway design.

- ▶ Public Agency Process Management
- ▶ PennDOT coordination
- ▶ Design-Build
- ▶ Traffic Control Plans

BRIDGE

Defined by a growing list of award winning projects, Borton-Lawson is equipped to provide experience and knowledge in the design and construction of bridge structures.

- ▶ Single and Multi-Span Replacements
- ▶ Inspection
- ▶ Rehabilitation design
- ▶ Emergency design service

TRAFFIC

Improving traffic flow and increasing efficiency with a focus on safety has been a hallmark of our transportation projects. We deliver innovative solutions with our hands-on approach to traffic volume data collection and analysis.

- ▶ Needs, Planning and Location Studies
- ▶ Traffic Impact Studies (TIS)



SURVEY

We equip our survey staff with the finest technologies and train them in the use of advanced electronics, which allows our team to gather real-time engineering intelligence with incredible speed, detail, and accuracy.

- ▶ Revised Survey of Bridges, Mechanically Stabilized Walls, Highways and Rock Faces
- ▶ High-Definition Surveying
- ▶ Pulse-Based Equipment
- ▶ Terrestrial Laser Scanner (TLS)
- ▶ Geographic Information Systems (GIS)
- ▶ 3D Systems

ENVIRONMENTAL

Our environmental specialists seek to identify, protect, and remediate environmental resources (land, animal, plant). We advise clients, and work closely with environmental agencies to ensure that resources are protected and preserved for the next generation.

- ▶ Biological Assessments
- ▶ Phase I And II Environmental Assessments
- ▶ Environmental Impact Studies
- ▶ Habitat Assessments
- ▶ Stream and River Restoration
- ▶ Wetlands Identification/Mitigation Design

CONSTRUCTION CONSULTATION

Borton-Lawson offers full construction consultation services to ensure productivity, facilitate communication between workgroups and project coordination.

- ▶ Construction Administration
- ▶ On-Site Representation and Observation
- ▶ Design-Build
- ▶ Bidding-Process Coordination
- ▶ Shop Drawing Review
- ▶ Project Scheduling
- ▶ Testing and Inspection
- ▶ Progress Collaboration

DESIGN MANAGEMENT

Borton-Lawson has experience providing owners with design management services, acting as the owner's representative, on highway infrastructure design projects.

- ▶ Construction Management of the Prime Design Consultant
- ▶ Ensure Quality Design Submissions
- ▶ Prepare Master Schedules
- ▶ Schedule Monitoring
- ▶ Prepare Budgets and Cost Monitoring
- ▶ Plan Reviews
- ▶ Permit Applications and Review of Special Provisions
- ▶ Federal, State and Local Agency Coordination



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