

BRIDGE & STRUCTURAL ENGINEERING SERVICES

Bolton & Menk takes an asset management approach to bridge inventories. We understand that each client, situation, and need is unique. That's why we commit to gaining a thorough understanding of each project as the first step in our solution development process. Our team is certified by the National Highway Institute in Load Resistance Factor Rating for Highway Bridges, Safety Inspection of In-Service Bridges, and Bridge Inspection Nondestructive Evaluation.



**BOLTON
& MENK**

Real People. Real Solutions.



Understanding Your Bridge Needs

From bridge replacement to repair, rehabilitation, or reconditioning of aging bridges, your bridge solution should be what you need and want. We pride ourselves on providing the right solutions, whether that means using time-tested methods and materials or the latest design innovations and trends. We also advise load ratings and conduct routine, fracture critical, and in-depth safety inspections of in-service bridges, satisfying DOT and FHWA requirements.

Inventory of Structures

Aging bridge inventory isn't the only structural concern facing communities today. Overhead signs, pedestrian skyways, tunnels, lighting luminaries, retaining walls, culverts, and stormwater infrastructure also demand maintenance and repair, requiring human and financial resources. Our structural team understands the unique attributes of these structures and are equipped to deliver analysis, studies, plans, or simple recommendations for various structural needs.

Simply stated; we get it. We know they're not just "things." These structures keep people safe and help your transportation infrastructure function at its best. We can help assess, maintain, and build your structural projects.

Bridge Engineering Services

- Preliminary Bridge Design
- Bridge Type Study
- Funding/Feasibility Studies
- Hydraulic Modeling
- Cost Estimating
- Final Bridge Design
 - » Reinforced Concrete
 - » Prestressed Concrete
 - » Steel
 - » Timber
- Asset Management
- Bridge Safety Inspection
- Load Rating
- Incident/Emergency Damage Inspection
- Fracture Critical Inspection
- Maintenance Recommendation and Repair Detailing
- Historic Bridge Preservation/Restoration/Rehabilitation
- Coating Inspection



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