



BRIDGE INSPECTION

Part of a diversified family of solutions

jmt.com





Services

- Inspections
- Initial
 - Routine
 - In-Depth
 - Special
 - Underwater
 - Fracture Critical
 - Hands-on

Emergency/Priority Repair Design

Structural Analysis & Load Ratings

Testing & Sampling

About Us

JMT provides bridge inspections and other types of structural inspections for federal, state, county, agency, and privately-owned bridges and structures, consistent with National Bridge Inspection Standards (NBIS). These range from routine, biennial inventory inspections to in-depth, emergency inspections, including underwater inspections.

Bridge Inspection



Our Knowledge & Skills

NBIS

AASHTO Bridge Element Inspections

Routine Biennial Inspections

Rehabilitation Retrofit Design

Fracture Critical/Fatigue Inspections

Non-Destructive Testing

In-Depth, Hands-On Inspections

Emergency Inspections

Tunnel Inspections

Underwater Inspections

Confined Space Inspections

Scour Inspections

Types of Structures

Highway & Railroad Bridges:

- Simple and continuous steel I-beams, box beams, trusses, and girders, including curved girders
- Reinforced concrete beams and slabs, including voided slabs and T-beams
- Simple and continuous prestressed concrete beams and slabs, including AASHTO I-beams, box beams, voided slabs, bulb tees, and segmental box
- Reinforced concrete box culverts and arches
- Stone and masonry arches
- Complex and moveable bridges, including electrical/mechanical systems
- Timber bridges, bulkheads, and piles
- Steel pipe culverts and arches

Other Structural Types:

- Ancillary structures, including overhead and cantilever signs, high mast light poles, and traffic signal poles
- Dam and gate structures
- Retaining walls
- Noise walls
- Bulkheads and other marine structures



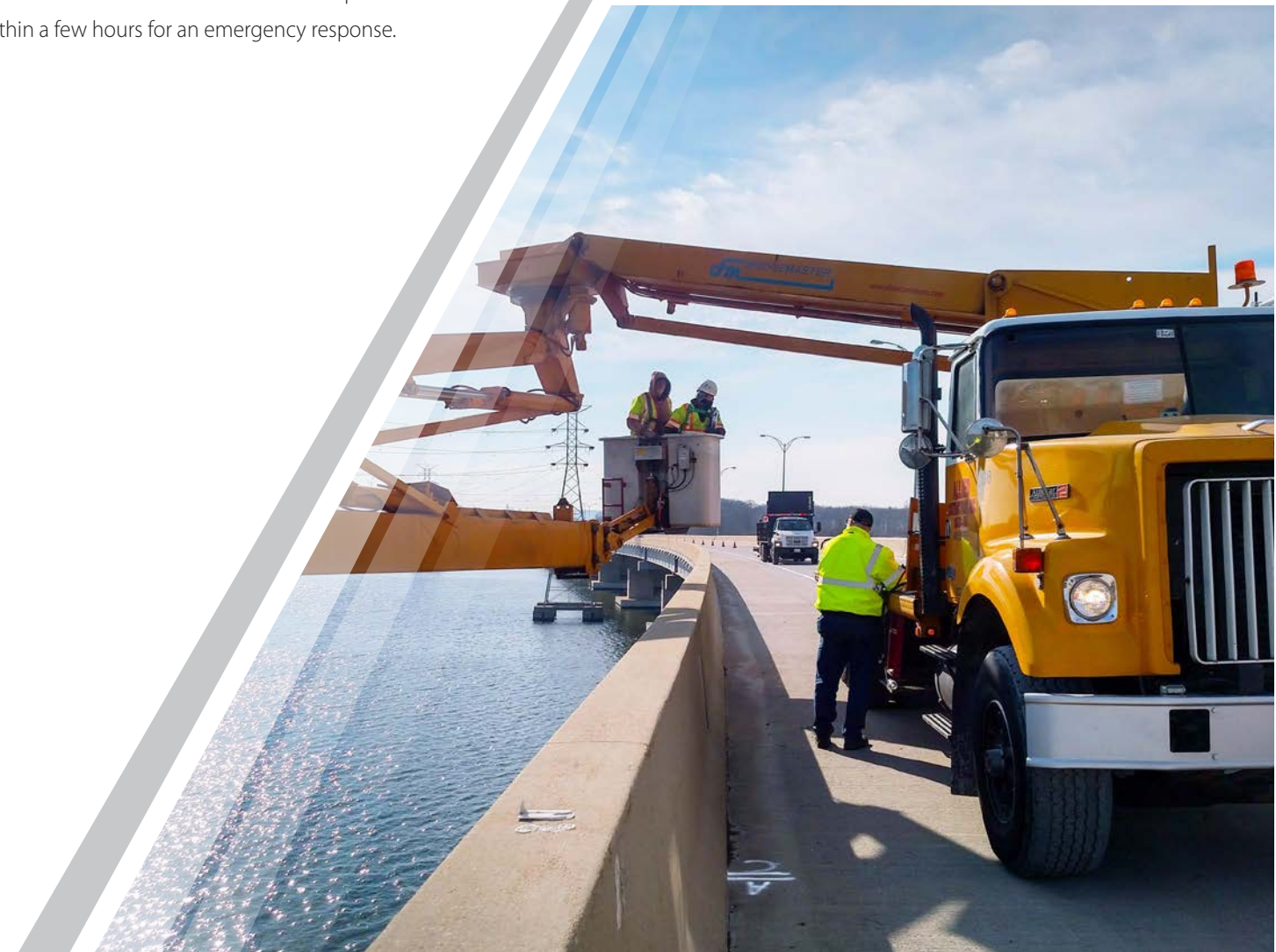
Inspections

All inspection work is performed under the direction of registered professional engineers. JMT team leaders have completed the NHI Safety Inspection of In-Service Bridges course as well as other specialty training, and conduct the following types of inspections:

- Routine biennial
- Fracture critical member inspection
- Confined space inspection
- Interim inspection
- Emergency inspection
- Scour inspection and evaluation
- Underwater inspection
- InspectTech data input

We use the latest technology and equipment to optimize the efficiency, quality, and cost- effectiveness of our field crews and office tasks. Specialized access equipment and rigging allow access to areas of bridges that normally require traffic lane closures, thereby minimizing disruption to the traveling public.

JMT has performed bridge inspection services for on-call and scoped projects at numerous locations throughout the United States. We can mobilize an inspection team within a few hours for an emergency response.

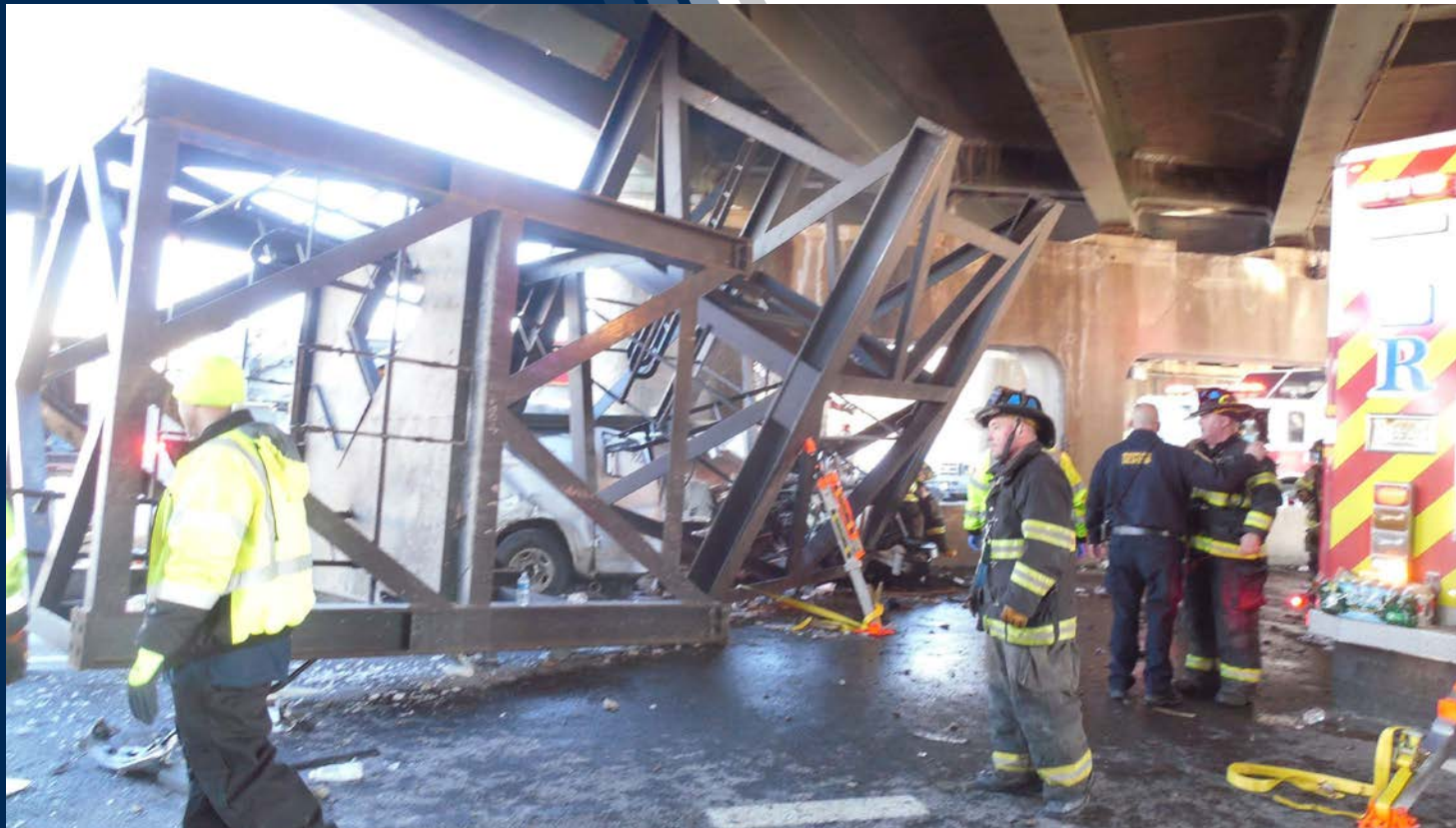


Emergency/Priority Repair Design

JMT has the extensive emergency and priority repair design experience necessary to develop cost-effective repairs for problems identified during inspection or resulting from collision damage, fire damage, and natural disasters.

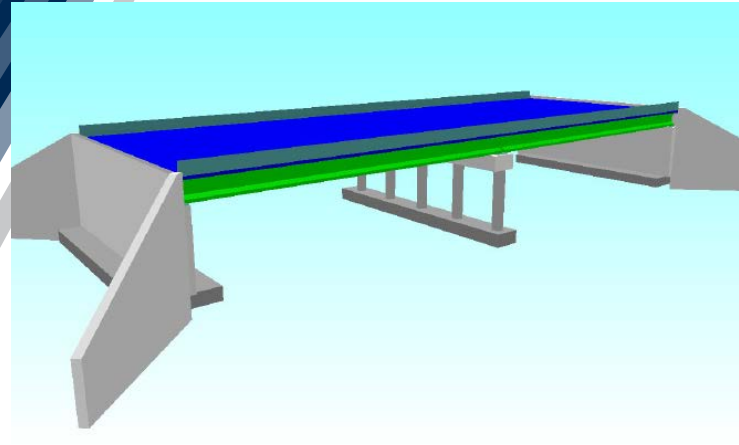
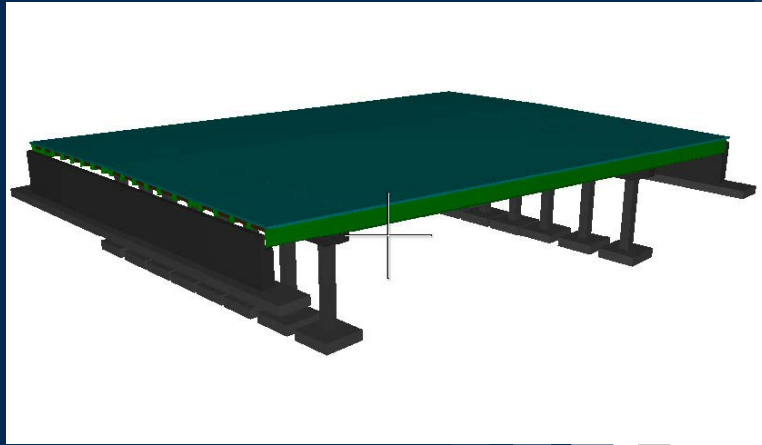
We provide 24/7 inspection and design services to meet the client's needs in an emergency, including construction supervision of the repair work.

Our engineers quickly respond to emergency situations to assess initial damage, provide recommendations related to public safety, and complete the required design services rapidly. JMT develops cost-effective solutions, minimizes inconvenience, and eliminates safety hazards posed to the traveling public.



Structural Analysis & Load Ratings

JMT has extensive bridge load ratings and structural analysis experience. We utilize a variety of load rating programs to perform 2D and 3D finite element modeling in accordance with AASHTO and client requirements. We have rated thousands of bridges, from simply supported structures to complex structures and moveable bridges using LRFD, LFD, and ASD methodologies.



Testing & Sampling

JMT employs a wide range of non-destructive and destructive testing techniques. Our capabilities include dye penetrant, magnetic-particle, ultrasonic, radiographic, electronic thickness measurement instrument, rotary hammer, chain drag, chloride ion, concrete compressive cores, coupon sampling, and paint sampling.





Corporate Office

40 Wight Ave.
Hunt Valley, MD 21030
P. 410.329.3100
jmt.com

Offices strategically located throughout the United States

