



# HIGHWAYS & BRIDGES

Part of a diversified family of solutions

[jmt.com](http://jmt.com)







# About Us

JMT is a national leader in delivering transportation infrastructure improvements to federal, state, and local agencies for a wide range and scale of projects. Our trademark is the development of innovative and sustainable transportation solutions that increase safety and improve mobility.

Over JMT's 40-year history, we have completed thousands of highway and bridge projects throughout the U.S. We are leaders in context sensitive solutions/complete streets, using a multidisciplined team of engineers, landscape architects, and environmental specialists to ensure that highway and bridge improvements blend into the community and environmental contexts while at the same time satisfying transportation needs.

Projects are delivered using traditional design-bid-build and innovative project delivery methods including design-build, best value, and public-private partnerships.



# Our Services

As one of the key segments of JMT's transportation market, we have expertise and provide a full array of services for highway and bridge projects.

Surveys & Mapping

Planning

Design

Program & Construction Management

Environmental & Sustainable Solutions

Innovative Project Delivery



## Surveys & Mapping

We provide complete survey and mapping services that act as the foundation of all project development. Our registered professionals provide GPS surveys, topographic surveys with design, map production, metes and bounds surveys, right-of-way/record/easement plat preparation, utility surveys, subsurface utility engineering, and construction stakeout.



## Planning

JMT planners provide transportation planning, community and regional planning, travel forecasting, environmental analysis and documentation, and public involvement/community outreach programs. We work with communities to instill a sense of place in town centers, and to help them prepare for municipal growth through zoning and land development ordinances.

## Design

We have skilled professionals that can take your project into final design and develop contract documents. A project is only as good as the staff performing the work, and at JMT we have the best. Our experienced staff consistently engineer solutions that are efficient while meeting the functional requirements of our clients.



## Program & Construction Management

JMT provides services for program management, construction management and inspection, construction support services for scheduling and claims, and commissioning. As an agent of the owner, we assume a proactive stance to anticipate potential problems and develop solutions.



## Environmental & Sustainable Solutions

We offer environmental services to protect our nation's natural resources. Our environmental scientists and LEED® Accredited Professionals develop sustainable solutions, prepare all environmental documentation, and ensure compliance with permit requirements.



## Innovative Project Delivery

At JMT, we work with our contractor and client partners to deliver successful projects using design-build and public-private partnership projects. We have leveraged our understanding of the project development process and the environmental and permit process to eliminate project impediments while minimizing risk.



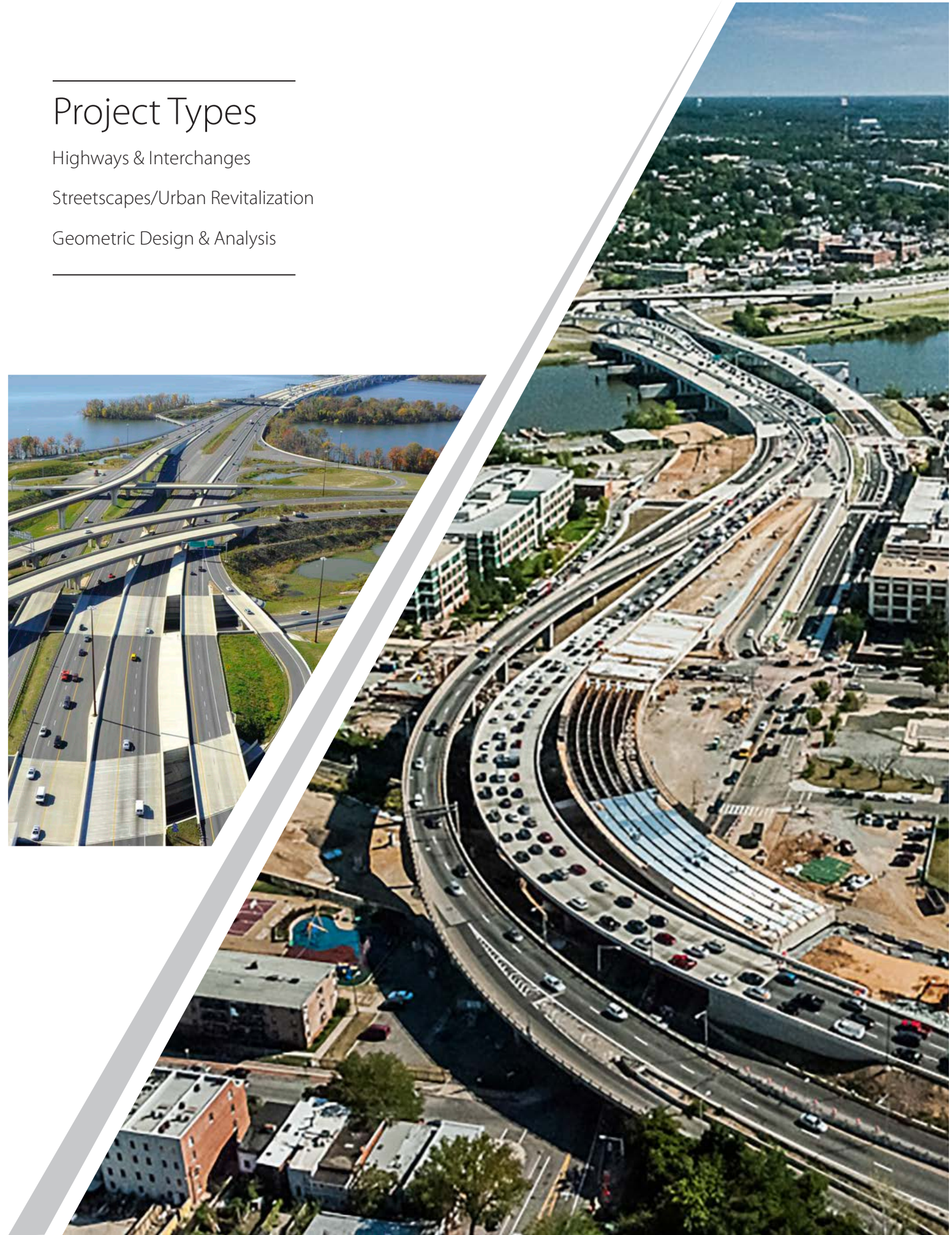
# Highways

## Project Types

Highways & Interchanges

Streetscapes/Urban Revitalization

Geometric Design & Analysis



Highway design has evolved to a specialized discipline requiring dedicated professionals who stay current with changing technology, standards, and practices. In addition, today's environment demands experts in the field who also have an understanding of the impact their efforts have on the people and communities in which these projects exist.

Our highway projects range in complexity, from local intersection improvements, to streetscapes in urban environments, to the most complex interstate and highway projects.



# Highways & Interchanges

From our inception, JMT has continually been involved in the design of interstate/freeway facilities throughout the United States. Projects have included several mega projects that include full, partial, limited access highway, turnpikes, and toll and HOV facilities.

JMT routinely develops plans and alternative technical concepts for projects, which result in innovative design solutions that save our clients money and deliver sustainable ideas to preserve a legacy for future generations. We have participated with numerous contractors from traditional design-bid-build to design-build and public-private partnerships.





# Geometric Design & Analysis

JMT has completed hundreds of assignments involving geometric design and analysis to optimize efficiency, safety, and environmental sustainability for all community stakeholders and the traveling public. JMT's geometric improvements include modifications to roadway profiles, alignments, cross sections, safety, and sight distance enhancements for the public, benefiting pedestrians, bicyclists, automobiles, and transit users.

## Streetscapes/ Urban Revitalization

As a Silver Partner of the National Complete Streets Coalition, JMT implements the ideals of NCSC in striving to provide our clients with innovative and sustainable solutions. We approach all our projects holistically and focus on all modes of transportation. The end results are solutions that truly enhance communities.





# Bridges & Structures

Our extensive design and inspection experience includes:

Bridges over water, highways, & railroads

Pedestrian bridges

Culverts

Retaining walls

Geometric design & analysis

Noise barriers

Sign structures

High mast light poles



Bridges designed by JMT for transportation projects serve as some of the most visible examples of our engineering capabilities. Our transportation structural expertise encompasses bridges, retaining walls, culverts, and noise barriers. We provide design and construction phase services toward the completion of new and rehabilitated structures, as well as inspection services on an individual or program basis.





# New Design

JMT's standard of excellence in structural engineering has helped us earn many awards for our designs of new and replacement structures. These designs have included vehicular and pedestrian bridges as well as other transportation-related structures. JMT also provides construction phase support services such as shop drawing review and approval.







## Remedial Design

JMT's extensive design history involves the repair and reconstruction of structures as part of routine maintenance or due to an emergency situation.

Repairs for routine maintenance and rehabilitation purposes help extend the service lives of structures for our clients.

JMT's engineers are available to respond to emergency situations to assess initial damage, provide recommendations related to public safety, and complete the required design services rapidly. Our experience allows us to develop quick, cost-effective solutions to minimize the inconvenience and eliminate any safety hazards posed to the traveling public.





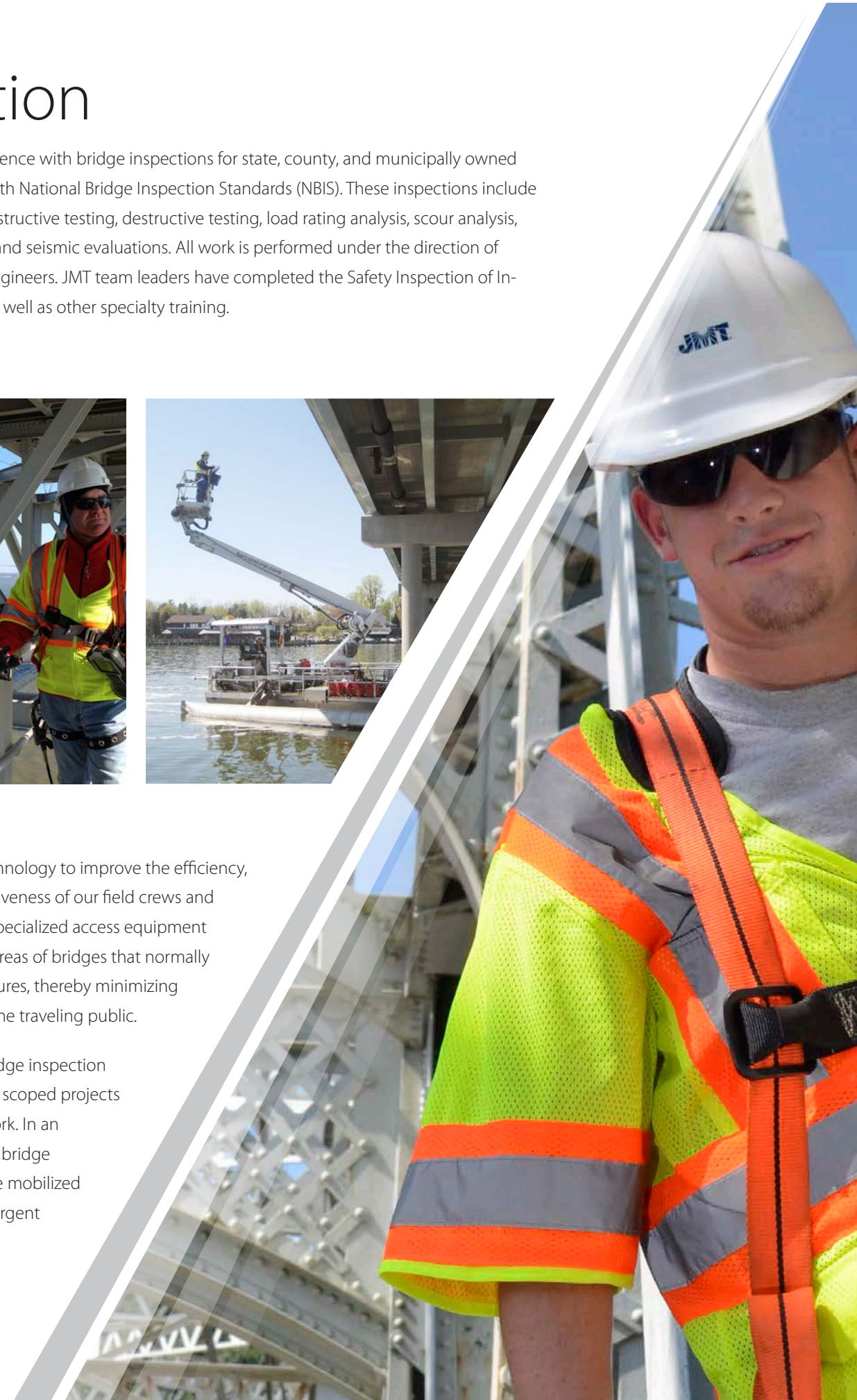
# Inspection

JMT has significant experience with bridge inspections for state, county, and municipally owned bridges in conjunction with National Bridge Inspection Standards (NBIS). These inspections include elements such as non-destructive testing, destructive testing, load rating analysis, scour analysis, underwater inspections, and seismic evaluations. All work is performed under the direction of registered professional engineers. JMT team leaders have completed the Safety Inspection of In-Service Bridges course, as well as other specialty training.



JMT uses the latest technology to improve the efficiency, quality, and cost-effectiveness of our field crews and office tasks. JMT uses specialized access equipment and rigging to access areas of bridges that normally require traffic lane closures, thereby minimizing the inconvenience to the traveling public.

JMT has performed bridge inspection services on on-call and scoped projects from Virginia to New York. In an emergency situation, a bridge inspection team can be mobilized quickly to respond to urgent requests.







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