



UNDERWATER ENGINEERING & INSPECTION

Part of a diversified family of solutions

jmt.com





About Us

JMT is a multidisciplined engineering firm that offers a full array of architectural, engineering, and related services to clients throughout the United States. Our client base consists of federal, state, and local government agencies, as well as private institutions, commercial, and industrial concerns.

JMT conducts investigations and inspections above and below water to assess the structural integrity of assets with underwater components.



Inspect to Protect

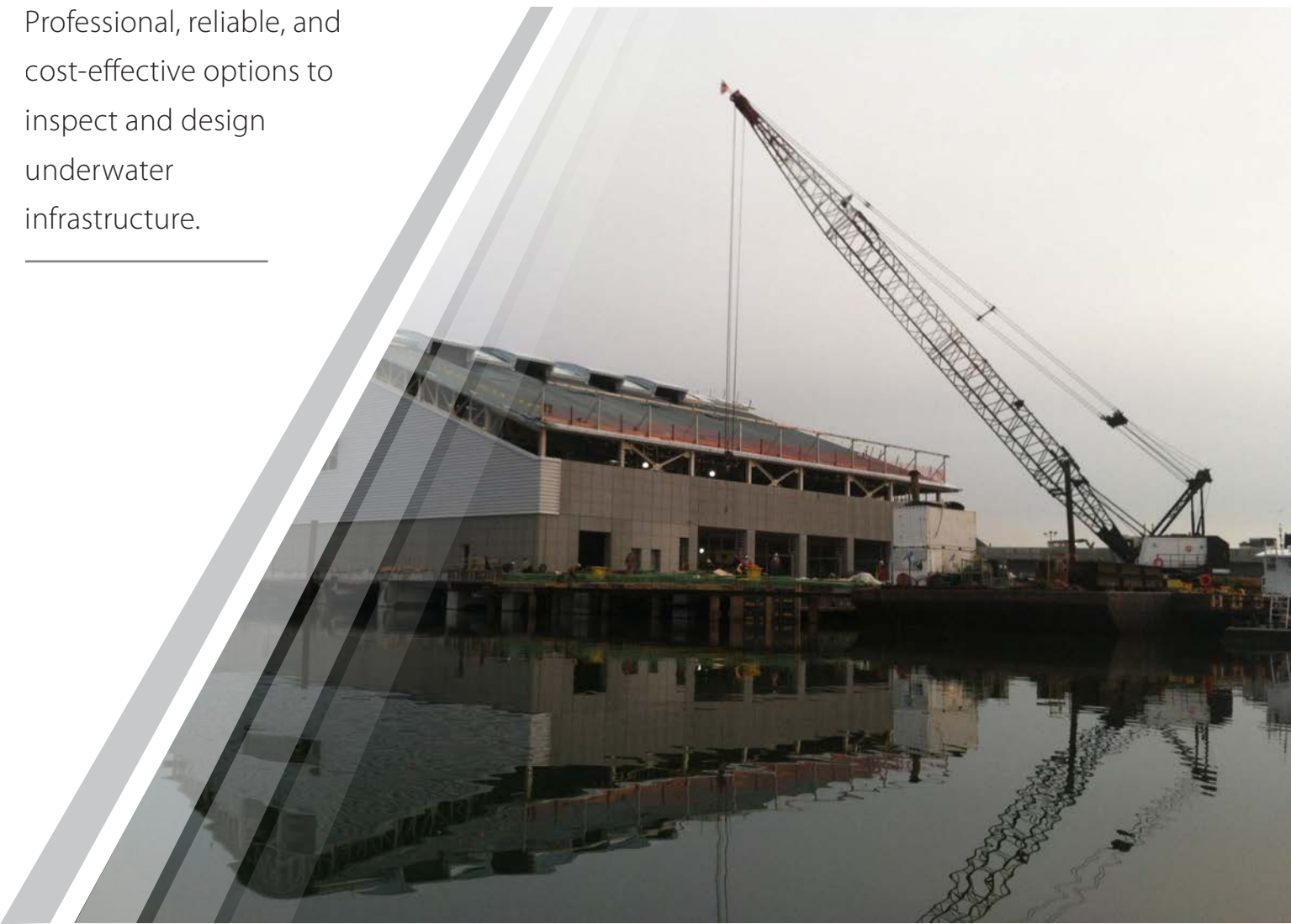
Underwater inspection is one part of our full-service bridge inspection offerings. Extending the useful life of a facility is much more economical when an inspection is conducted routinely. JMT provides professional, reliable, and cost-effective options to inspect and design underwater infrastructure, such as:

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|----------------------------|-----------------------------------|
| Bridges | Bulkheads |
| Piers | Power Plants |
| Ports & Terminals | Pipelines & Power Cables |
| Locks & Dams | Storage Tanks |
| Tunnels & Culverts | Shipping Industry |
| Confined Spaces | Pile Testing |
| Water Treatment Facilities | Ultrasonic Thickness Measurements |

Professional, reliable, and cost-effective options to inspect and design underwater infrastructure.

Services

Engineering
Diving
Inspection





Engineering

Many of our divers are also registered professional engineers, allowing us to design solutions based on personally-observed conditions. Typical engineering services include:

- Structural Evaluation
- Design & Rehabilitation
- Maintenance Programs
- Cathodic Protection
- Construction Plans & Specifications
- Construction Management Support
- Feasibility Studies
- Site Development
- Buildings & Foundations
- Structural Evaluation & Design



Diving

JMT's commercial divers possess the knowledge and equipment to review and evaluate the structural integrity of underwater assets. Our divers are educated in state and federal requirements. They are qualified to work in confined spaces and perform underwater penetration in accordance with OSHA regulations.

Our capabilities include:

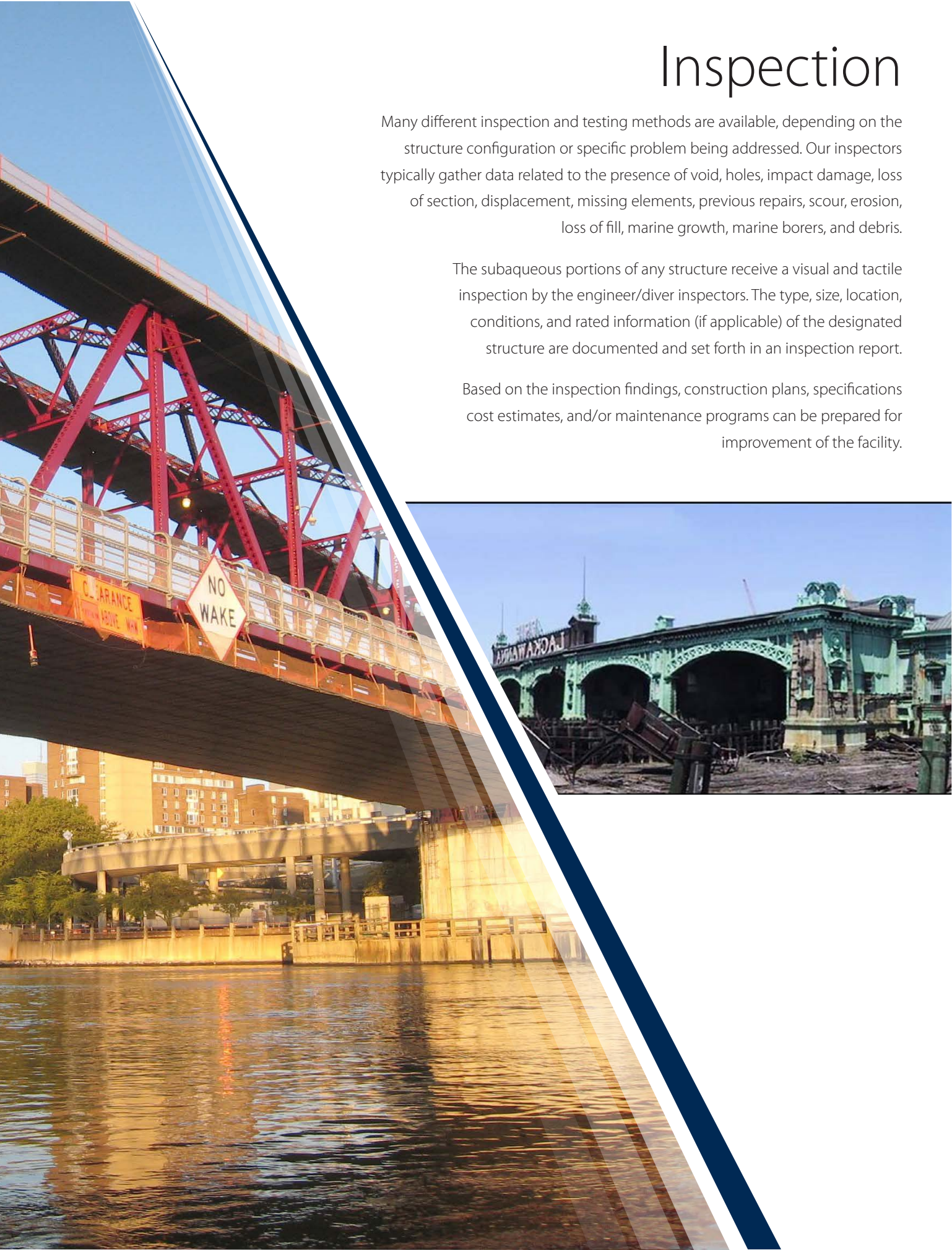
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|----------------------------|---|
| Condition Surveys | Hydrographic Surveys |
| Scour Evaluation | High-Resolution Laser Scanning |
| Marine Borer Investigation | Underwater Video/Digital Photography |
| Measurements | Remote Operated Vehicle |
| Material Testing | Hard Wire Communications |
| Concrete & Timber Cores | High Mobility in Difficult Access Areas |
| Underwater Construction | Confined Space & Penetration |
| Construction Compliance | Construction Inspection |

Inspection

Many different inspection and testing methods are available, depending on the structure configuration or specific problem being addressed. Our inspectors typically gather data related to the presence of void, holes, impact damage, loss of section, displacement, missing elements, previous repairs, scour, erosion, loss of fill, marine growth, marine borers, and debris.

The subaqueous portions of any structure receive a visual and tactile inspection by the engineer/diver inspectors. The type, size, location, conditions, and rated information (if applicable) of the designated structure are documented and set forth in an inspection report.

Based on the inspection findings, construction plans, specifications cost estimates, and/or maintenance programs can be prepared for improvement of the facility.





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Offices strategically located throughout the United States

