

Diagnostics



Diagnostics

When it comes to the built environment — whether buildings, parking structures, industrial facilities, bridges, or any other type of infrastructure — the engineers, architects, and scientists in Walter P Moore Diagnostics can support you with facility condition assessments, tiered options for improvements based on your budget and schedule, damage prevention and mitigation due to lack of maintenance, and emergency response. With our network of offices, we can respond quickly to provide solutions that extend and enhance the life of your facility.

Enclosure Diagnostics

Our Building Enclosure Practice is dedicated to improving performance of building enclosure systems. We apply the fundamentals of building science, energy modeling, and testing for owners and design professionals at all stages. Our solutions create high-performance buildings through the effective management of rainwater, air infiltration and exfiltration control, heat gain and loss management, and water vapor transmission control.

- Enclosure Assessment/Repair/Recladding/FISP
- Roofing/Waterproofing
- Performance Modeling
- Third-Party Enclosure Design Review
- Enclosure Commissioning
- Maintenance Access

Parking Restoration

Walter P Moore assists owners in identifying, prioritizing, and addressing maintenance and repair needs to preserve asset value, functionality, and public safety. Our expertise in the design, repair, and maintenance of parking structures comes from a proven track record. We address structural, waterproofing, and other performance deficiencies, and help you reduce the likelihood of further distress, providing solutions for extended service life.

- Parking Structure Assessment and Repair
- CAMP (Capital Asset Management Plan)
- Durability and Life-Cycle Analysis



Restoration/Renovation

Structures may require restoration or renovation for distress repair, repurposing, strengthening, and correction of design and construction defects. Walter P Moore provides assessment, testing, analysis, design, and construction administration services to diagnose your restoration and repair needs. Effective restoration requires a clear understanding of the causes of the distress symptoms to reduce the likelihood and frequency of their reoccurrence.

→ Structural Assessment/Strengthening

→ Bridge Assessment/Rehabilitation

→ Materials Consulting

→ Historic Restoration

→ Stadium/Venue Restoration

→ Corrosion Mitigation

→ Nondestructive Evaluation

→ Structural Peer Reviews

Forensic Analysis

Failures in the built environment range from a loss in performance to catastrophic structural collapse. We determine the cause of failure through analysis, field assessments, and document review. Additionally, we provide peer review and technical consulting services for complex projects under construction. We are often asked to provide expert testimony for legal proceedings and for the insurance claims process relating to failures or loss in structural integrity.

→ Litigation Support

→ Insurance Claims Consulting

→ Fire Damage Assessment/Repair

→ Failure Analysis

→ Vibration Consulting

→ Emergency Response

Who We Are

Walter P Moore is an international company of engineers, architects, innovators, and creative people who solve some of the world's most complex structural and infrastructure challenges. Providing structural, diagnostics, civil, traffic, parking, transportation, enclosure, and construction engineering services, we design solutions that are cost- and resource-efficient, forward-thinking, and help support and shape communities worldwide. Founded in 1931 and headquartered in Houston, Texas, Walter P Moore's 600+ professionals work across 19 U.S. offices and five international locations.