



WJE

Solutions for the Built World

ENGINEERS | ARCHITECTS | MATERIALS SCIENTISTS



WE SOLVE **PROBLEMS**

SINCE 1956, OUR PRIMARY GOAL HAS BEEN TO PROVIDE THE BEST solutions for our clients' new and existing construction-related problems. Our highly qualified engineers, architects, and materials scientists possess a collective knowledge gained from solving, as well as helping our clients avoid, thousands of problems. This knowledge and our in-depth understanding of structural systems, architectural components, and materials are evidenced in all our project work.

LEFT TO RIGHT, TOP TO BOTTOM:

CURTAIN WALL INVESTIGATION AND REPAIR, NEW RESIDENTIAL HIGH-RISE BUILDING, PHILADELPHIA, PENNSYLVANIA

HURRICANE DAMAGE ASSESSMENT, PARKING GARAGE, BILOXI, MISSISSIPPI

EARTHQUAKE DAMAGE ASSESSMENT, NATIONAL CATHEDRAL, WASHINGTON, D.C.

LOAD TEST OF A STRUCTURE FROM THE 1964 NEW YORK WORLD'S FAIR, NEW YORK, NEW YORK

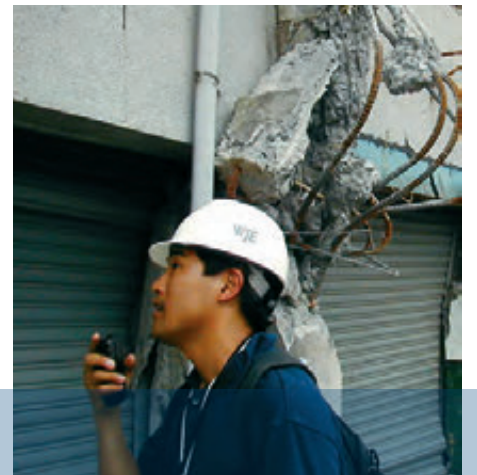
ASSESSMENT AND REHABILITATION, ANGELS GATE LIGHTHOUSE, LOS ANGELES, CALIFORNIA

WJE'S DIFFICULT ACCESS TEAM
EXAMINES EARTHQUAKE DAMAGE
TO THE WASHINGTON MONUMENT.



WE ARE LEADERS IN OUR BUSINESS who are widely recognized for our unmatched experience, technical expertise, and ability to respond quickly to the demands of every project. Our clients rely on us to listen to their needs, to understand their constraints, to educate them about potential options, and to develop solutions that deliver the greatest value.

A WJE ASSOCIATE DOCUMENTS THE CONDITION OF THE NEW YORK PUBLIC LIBRARY.



LEFT TO RIGHT, TOP TO BOTTOM:

CONCRETE DELAMINATION SURVEY OF THE UNION DEPOT, ST. PAUL, MINNESOTA

DRAWING REVIEW, CHICAGO, ILLINOIS

POST-EARTHQUAKE EVALUATION, TAICHUNG, TAIWAN

CONDITION ASSESSMENT, VEHICLE ASSEMBLY BUILDING, KENNEDY SPACE CENTER, TITUSVILLE, FLORIDA



WE ASK THE **STRUCTURE**

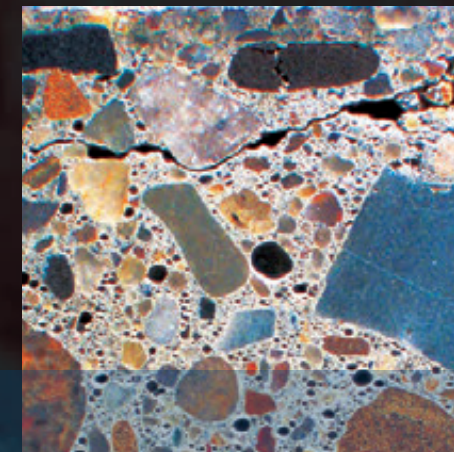
FOUNDER JACK JANNEY'S STRAIGHTFORWARD ADVICE TO "ASK THE STRUCTURE" continues to guide us today. All WJE staff members take pride in being hands-on. We believe that delivering better solutions requires a thorough understanding of each structure's unique condition and that the best way to do that is through close-up examination.

WJE FOUNDERS (LEFT TO RIGHT) JACK WISS, JACK JANNEY, AND DICK ELSTNER DISPLAY A SCALE MODEL USED TO STUDY THE EFFECTS OF WIND ON A CHICAGO LAKEFRONT HIGH-RISE.

WE TEST

OUR EXTENSIVE LABORATORY AND TESTING CAPABILITIES are some of the most technically advanced and highly regarded in the United States, allowing us to accommodate virtually any structural, architectural, or materials-related testing or research project. Our 25,000-square-foot Janney Technical Center in Northbrook, Illinois, is one of the nation's largest and most well-equipped private testing facilities. We also maintain laboratories in Austin, Texas, and Cleveland, Ohio. Because not every project that requires testing can be completed in our laboratories, each of our offices is equipped with state-of-the-art equipment for field testing, monitoring, and evaluation.

A WJE ENGINEER PREPARES THE INSTRUMENTATION OF RAIL FASTENERS IN THE CHICAGO TRANSIT AUTHORITY'S MILWAUKEE-DEARBORN SUBWAY TUNNEL, CHICAGO, ILLINOIS.



LEFT TO RIGHT, TOP TO BOTTOM:
POLISHED CONCRETE SAMPLE FOR PETROGRAPHIC EXAMINATION
STRUCTURAL TESTING OF IN SITU STONE PANEL
ULTRASONIC SHEAR WAVE TESTING OF CONCRETE
WATER SPRAY RACK TESTING OF BUILDING FACADE



WE WORK AS A **TEAM**

WJE ENGINEERS ASSESS THE BRIDGE
OF THE AMERICAS IN PANAMA.

OUR STAFF CONSISTS OF MORE THAN FIVE HUNDRED highly educated and experienced professionals. Individually, our people are the current or future leaders in their respective areas of practice. Collectively, we are a team that has the ability to solve virtually any construction-related challenge and is committed to being the consultant of choice for our clients. We take great pride in the fact that the vast majority of our clients indicate high levels of satisfaction with our work and would recommend us to others.

LEFT TO RIGHT, TOP TO BOTTOM:
ROOF INSPECTION, EAST RUTHERFORD, NEW JERSEY
PEER REVIEW AND CONSTRUCTION OBSERVATION, AT&T STADIUM, ARLINGTON, TEXAS
FACADE RESTORATION, RANDOLPH TOWER, CHICAGO, ILLINOIS
FACADE INSPECTION, MINNESOTA STATE CAPITOL, ST. PAUL, MINNESOTA
WATERPROOFING CONSULTING, NATIONAL SEPTEMBER 11 MEMORIAL AND MUSEUM, NEW YORK, NEW YORK
STRUCTURAL INVESTIGATION AND REPAIR, DALEY CENTER PICASSO SCULPTURE, CHICAGO, ILLINOIS



WE THRIVE ON **CHALLENGE**



WHEN CLIENTS ARE CONFRONTED with complex problems, they turn to WJE for answers. Our depth of knowledge and experience is vast. Having conducted more than 125,000 investigations since our founding, chances are very good that we have seen it before. No firm is more qualified or more motivated to find practical, innovative, and technically sound solutions to new and unique challenges.

A WJE ENGINEER PERFORMS A
CONDITION ASSESSMENT OF
THE VILAS BRIDGE IN NORTH
WALPOLE, NEW HAMPSHIRE.



WE STAND **READY**

THROUGHOUT OUR HISTORY, WE HAVE BROUGHT AN EXPERT, HANDS-ON, team-oriented technical approach, comprehensive testing capabilities, and an enthusiasm for problem solving and problem prevention to each project. We have extended the life of countless structures and have improved the construction industry's understanding of why structures fail and the ways in which they can be preserved. We look forward to making further contributions to the built world and stand ready to deliver better solutions to our clients' construction-related problems.

WJE ENGINEERS AND ARCHITECTS DEVELOP SOLUTIONS FOR A ROOF REPAIR AND REPLACEMENT AT THE GROVE PARK INN IN ASHEVILLE, NORTH CAROLINA.

OUR SERVICES

Structural Engineering

- Buildings, Bridges, and Infrastructure
- Failures and Disasters
- Structural and Seismic Evaluation

Architecture and Architectural Engineering

- Building Science
- Building Enclosure Commissioning
- Facade Assessment
- Fire Protection and Life Safety
- Historic Preservation
- Roofing and Waterproofing

Materials Science

- Corrosion and Service Life Modeling
- Laboratory Materials Evaluation
- Research and Product Evaluation

Testing

- Building Enclosure Testing
- Load Testing and Instrumentation
- Nondestructive Evaluation

Design

- Design-Assist and Design-Build
- Peer Review
- Repair and Rehabilitation

Litigation Consulting