

B-DI

RAW DATA. **REFINED RESULTS.**



DATA YOU CAN TRUST.
RESULTS YOU CAN BUILD ON.



**NONDESTRUCTIVE
EVALUATION**

A black and white photograph of a worker in a white hard hat and high-visibility vest operating a large industrial machine on a road surface. The worker is wearing a white hard hat with the BDI logo, a high-visibility vest over a dark jacket, and dark pants. The machine is a large, complex piece of equipment with various cables and components. The background shows a road and some trees.

**ACCURATE MEASUREMENTS COUPLED WITH
QUALITY ANALYTICAL RESULTS IS THE
FOUNDATION UPON WHICH BDI WAS BUILT**

WHO WE ARE

BDI is a unique small business established in 1989 that offers expert diagnostic testing, structural monitoring, and nondestructive evaluation services around the world. Our core team is comprised of experts in civil engineering, physics, instrumentation design, and nondestructive testing. Due to the fact that we develop and manufacture instruments, provide expert installation and evaluation services, and also provide safe and secure data management, we are the partner that you can trust.

Having conducted over a thousand successful projects around the world, we measure our success through the satisfaction level of our partners, end users, and stakeholders. We believe that reliable infrastructure can be best realized through collecting and analyzing real-world data.

NDE SERVICES

BDI's Nondestructive Evaluation (NDE) Division is equipped with a wide range of specialized technologies for evaluating the in-situ integrity of all types of structural members. Typically, the client will use the test results to identify vulnerabilities, reduce risks, and improve their asset management processes.

BDI relies on several decades of technical expertise to evaluate a wide variety of steel, concrete, FRP, and timber structures. This depth of experience makes us your reliable source for data, analysis, and recommendations for maintaining your infrastructure.

BDI is staffed with a team of world-class engineers and technicians who are ready to respond quickly to obtain the data you need for making the best possible infrastructure management decisions.



CONCRETE

- + Ground Penetrating Radar (GPR)
- + Infrared Thermography
- + Impact Echo (IE)
- + Deck Acoustic Response (SounDAR) - Automated IE for concrete surfaces
- + Impulse Response
- + Ultrasonic Tomography with MIRA
- + Pulse Velocity Testing
- + Ultrasonic Surface Wave
- + Half-Cell Potential
- + Electrical Resistivity
- + High-Speed Bridge Deck
- + Evaluation
- + Chloride Penetration Testing



STEEL

- + Ultrasonic Testing
- + Phased Array Ultrasonic Testing
- + Magnetic Particle
- + Dye Penetrant
- + Hardness and Fatigue Testing
- + Radiography
- + Fatigue Crack Inspection



TIMBER

- + Visual/Vibration
- + Electrical Resistivity
- + Microboring
- + Sonic Echo/Impulse Response
- + Ultraseismic Testing
- + Integrity Testing



GEOPHYSICAL

- + Mapping of Unknown Foundations
- + Spectral Analysis of Surface Waves (SASW)
- + Crosshole Seismic Wave
- + Parallel Seismic Survey
- + Utility Location
- + Stiffness Profile Evaluation

We take the safety of our crews and everyone around us seriously! We have a comprehensive safety program to ensure the safety of everyone around our projects:

- + OSHA 10-Hour Hazard Awareness
- + OSHA 30-Hour Construction Emphasis
- + SPRAT Ropes Access Training
- + USACE 385-1 Training
- + Fall Protection Awareness
- + OSHA Scaffold Competent Person
- + Hand & Power Tool Safety
- + Aerial Work Platform Operator Safety Awareness
- + Traffic Safety Awareness
- + Confined Space Entry
- + First Aid/CPR
- + Breathing Apparatus Fit & Pulmonary Testing
- + Various Railroad Safety Awareness Programs
- + MSHA Mine Safety
- + Federal Motor Carrier Safety
- + Cleared to Work in ITAR-Rated Facilities

LEARN MORE AT BDITEST.COM



RENTING NONDESTRUCTIVE EVALUATION INSTRUMENTS

Nondestructive evaluation is valuable, but it doesn't have to be expensive. When short-term projects make the purchase of advanced instruments costly and prohibitive, BDI NDE will configure the latest equipment and offer support to help a short-term project achieve its objectives in a reliable and cost-friendly manner.



RELATED EVALUATION EXPERTISE

- + Inspections of Guy Wire using Non-Contact Measurements
- + Bridge ratings using AASHTOWare Load Rating Software
- + Online hosting of evaluation data for instant and reliable access
- + Concrete & pavement coring
- + Structural, geotechnical, geodetic, and environmental monitoring

BDI provides cost-effective instrumentation along with testing & monitoring services to federal and commercial clients worldwide. Our engineers design and configure the instruments we use in order to ensure the quality of our measurements.



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SIZE: Small Business

FAR & AASHTO-Compliant as Prime or Subconsultant

