

CAPABILITIES STATEMENT

EXPERTISE & PURPOSE

Bridge Diagnostics Inc. (BDI) is a small business providing cost-effective instrumentation and structural testing services to federal and commercial clients worldwide. Our structural engineers design and configure the testing equipment we use in order to ensure the quality of our measurements.

Based on our experience in managing hundreds of instrumentation, testing, and analysis projects since 1989, BDI has built a reputation on delivering cost-effective and state-of-the-art civil structure evaluation solutions for the U.S. Army Corps of Engineers, the Federal Highway Administration, the U.S. Bureau of Reclamation, the U.S. Bureau of Indian Affairs, and many other government and commercial entities.

We are seeking new partnerships to pursue upcoming state DOT opportunities as a subcontractor in the fields of structural health, geotechnical, and construction monitoring.

ENGINEERING SERVICES

- Testing, analysis, and load ratings for bridges and piers
- Remote data acquisition and web-based monitoring applications
- Cable and rod tension measurements on pedestrian bridges
- Counterweight load balancing for lift and bascule bridges
- Building and ground monitoring for proof load tests and adjacent construction
- Locate steel reinforcement and generate as-inspected plans for concrete structures
- Concrete curing temperature for quality assurance



We perform load tests to facilitate logistics for rapid deployment, provide asset management data, and research and development for new construction methods.

FIELD TEST APPLICATIONS & OUR CUSTOMERS



STRUCTURAL HEALTH MONITORING

BDI provides design, hardware, deployment, and data management services for structural health monitoring systems throughout the world. We have systems installed on structures ranging in size from small county to cable stay bridges to even spillway gates and gantry cranes!



GEOTECHNICAL MONITORING

BDI provides a wide range of wireless geotechnical monitoring. Based around Geokon instrumentation, BDI can provide automated remote monitoring solutions for applications ranging from one piezometer to an entire earth embankment dam monitoring system.



INSTRUMENTATION RENTAL PROGRAM

If your project does not warrant the purchase of equipment outright due to short duration or budgetary restrictions, it can be rented through BDI's monitoring equipment rental program. We rent data acquisition systems (both wireless and traditional), instruments, seismometers, and automated total stations.



CONSTRUCTION

For both new construction and structure rehabilitation projects, BDI can install all types of sensors and systems to record loads, forces, and temperature effects. For example, sensors can be installed on reinforcement prior to pouring concrete in order to measure creep and shrinkage stresses over time. Various options for collecting the data, ranging from portable to permanent, can be provided and installed.



CAGE: 1GYL8
DUNS: 557400785
NAICS: 541330 (primary), 541380, 541990, 334419, 334511, 114515, 334516, 334513, 532490
SIZE: Small Business

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