Pavement Testing & Consulting Services

Our pavement consulting services combine cutting-edge technology with proven methodologies tailored to each client's unique needs. Led by world-renowned experts in pavement engineering, we bring local experience across every state in the U.S. and Canada. Our team delivers innovative, cost-conscious, and practical solutions to the most complex challenges. With unmatched depth and breadth of engineering expertise, comprehensive knowledge of planning, design, and management systems, and access to advanced testing tools, we ensure reliable results and long-term value for our clients.

NATIONWIDE • LOCAL PRESENCE • MOBILE • INNOVATIVE

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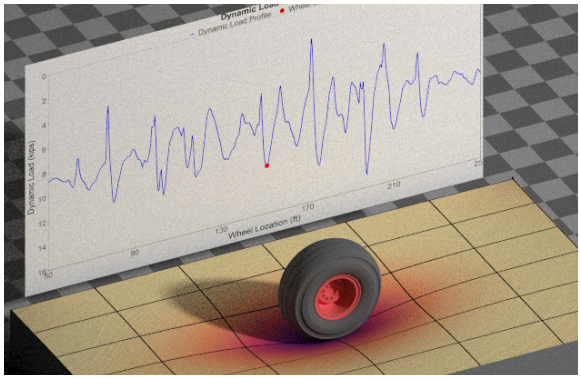

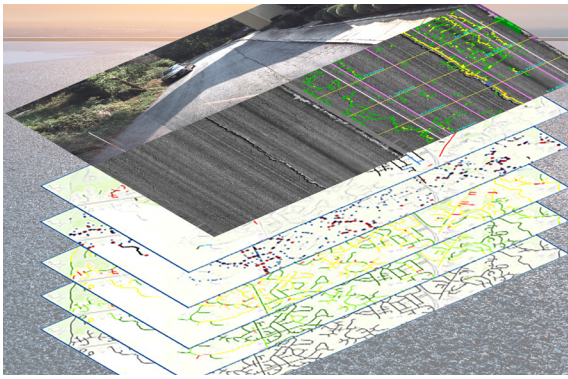

Our practical and research experience in pavement engineering uniquely qualify us to assist the transportation industry in developing long-lasting, sustainable, and cost-effective solutions for both existing and new pavements.

- **PAVEMENT STRUTURAL TESTING AND EVALUATION**
  Falling, Heavy, and Light Weight Deflectometers (FWDs, HWDs, and LWDs), and Traffic Speed Deflection Analysis

- **360 DEGREE ROADSIDE ASSET INVENTORY USING MOBILE LIDAR AND IMAGERY**
  Includes Lidar Point cloud integrated with 360 degree right-of-way (ROW) images, and GPS referencing

- **AUTOMATED SURFACE DISTRESS EVALUATION**
  3D laser profiling of the pavement surface to detect cracking, IRI, Rutting, and other distresses. Includes advanced AI software for automated crack detection

- **GROUND-PENETRATING RADAR (GPR)**
  Air-launched, ground-coupled, and 3D units for pavement layer thickness determination, subsurface investigation, and bridge deck surveys

- **PAVEMENT CORING, AUGERING, AND DYNAMIC CONE PENETROMETER (DCP)**
  Pavement coring and augering collect samples to check pavement layers and material quality, and DCP testing measures subgrade strength to guide maintenance and design decisions

- **PAVEMENT DESIGN AND GUIDELINES REVIEW**

- **MAINTENANCE OPERATIONS MANAGEMENT**

- **MAGNETIC IMAGE TOMOGRAPHY (MITSCAN)**
  Portable device for detecting steel dowels and tie bars in concrete pavements for QC and forensic studies

- **PAVEMENT FRICTION TESTERS (PFTs)**
  Locked wheel and variable slip devices for roadways

- **MOBILE AND HANDHELD RETROREFLECTOMETER UNITS (MRUs)**
  Laser devices used to measure the retro reflectivity of pavement markings and signs

- **NEW AND OVERLAY PAVEMENT STRUCTURAL DESIGN**
  Ensures long-lasting performance by considering traffic loads, environmental conditions, and existing pavement condition, using engineering methods and design standards to optimize durability and cost-effectiveness

- **PAVEMENT AND ROADSIDE ASSET MANAGEMENT SYSTEMS**
  Implementations including signs, sidewalks, ADA ramps, culverts, and pavement markings

- **WIND FARM LAND USE AGREEMENTS**
  Both agency and developer sides

- **SPRING LOAD RESTRICTION ASSESSMENTS**

- **SUPERHEAVY LOAD MOVE IMPACT ANALYSIS**

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