

Pavement Testing Services



NATIONWIDE • MOBILE • UNIQUE

As the most diverse provider of pavement testing services in the U.S. and Canada, ARA is uniquely qualified to meet your highway and airfield evaluation needs. Our services range from functional to structural to safety testing and our multiple offices mean we are always within reach. With over 30 years experience in pavement testing, whether it is high-speed image and pavement distress collection, nondestructive deflection testing, or runway and highway friction testing, ARA is nationwide, mobile, and unique.

**WHEN YOU NEED TO KNOW WHAT'S OUT THERE,
ARA HAS THE RESOURCES TO MEET YOUR NEEDS**



FOR MORE INFORMATION ON ARA'S PAVEMENT TESTING SERVICES, PLEASE VISIT WWW.ARA.COM



Pavement Testing Equipment and Technologies

ARA offers a comprehensive suite of pavement testing and evaluation services for both highways and airfields. We apply state-of-the-art technologies to assess existing pavement conditions, identify the remaining pavement service life, and develop cost-effective pavement rehabilitation strategies based on detailed life cycle cost analyses. Our fleet of pavement testing equipment and technologies includes:

- **Falling, Heavy, and Light Weight Deflectometers (FWDs, HWDs, and LWDs)**, ARA offers both standard and heavy deflectometer versions, as well as the handheld lightweight device
- **Digital Survey and Multi-Functional Vehicles (DSVs and MFVs)**, mobile platforms for downward pavement images, multiple right-of-way (ROW) images, inertial laser profile data, and GPS referencing
- **Laser Crack Measurement System (LCMS)**, 3D laser profiling of the pavement surface to detect cracking and other distresses. Includes advanced 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 and Augering**, trailer-mounted equipment to extract core specimens and augured base and subgrade samples
- **Dynamic Cone Penetrometer (DCP)**, handheld device used to determine subsurface pavement properties, such as California Bearing Ratio (CBR) of unbound bases and subgrades
- **Magnetic Image Tomography (MITScan)**, portable device for detecting steel dowels and tie bars in concrete pavements for QC and forensic studies
- **Pavement and Runway Friction Testers (PFTs and RFTs)**, locked wheel and variable slip devices for highways and airfields, respectively.
- **Mobile and handheld retroreflectometer units (MRUs)**, laser devices used to measure the retro reflectivity of pavement markings.