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Fugro Roadware Adds GPR, FWD and Friction to Services Offering

Ground Penetrating Radar surveys of road networks provide a cost-effective and comprehensive overview of the pavement structure. GPR provides a non destructive testing method to identify pavement layer thickness and material types. The resulting GPR data set is used to segment the pavement to form sections of homogeneous construction.



Falling Weight Deflectometer testing assesses the structural capacity of the roadways by determining the structural response characteristic of the pavement structure and underlying subgrade materials to wheel loads, as well as variability of the structural properties along the pavement. The processed FWD data is used to develop cost-effective rehabilitation and/or reconstruction pavement designs that will maintain performance over the design life. Friction testing is used to determine tire-pavement interaction, and the resulting skid numbers identify poor friction sections on roads. Fugro Roadware has now added ground penetrating radar, falling weight deflectometer testing and friction testing to its offerings for road data collection surveys.

Fugro Transportation Infrastructure Group

Fugro Roadware, Fugro Aperio Limited of the UK and Fugro Consultants, Inc. of the US, along with several other Fugro operating companies, comprise the Fugro Transportation Infrastructure Group. The Fugro Transportation Infrastructure Group specializes in road infrastructure management products and services, and has over 138 years' worth of combined experience in the road management field. FTIG offers the highest level of expertise for the implementation of roadway infrastructure management programs.

Fugro Roadware provides ARAN data collection equipment and services for pavement management, videolog and asset management applications worldwide. Fugro Aperio is a world leader in subsurface imaging, specializing in engineering geophysics and non destructive investigation. Fugro Aperio's team of experienced geophysicists analyzes the GPR data collected for Fugro Roadware's surveys. Fugro Consultants, with over 15 offices in the US, specializes in geotechnical, materials testing and pavement evaluation engineering. With over 25 years of structural testing experience, Fugro Consultants conducts FWD and friction testing, and provides coring services for Fugro Roadware surveys.

FTIG Products and Services:

- ARAN (Automatic Road Analyzer) road inspection equipment
- Ground Penetrating Radar (GPR)
- Falling Weight Deflectometer (FWD)
- Automated data collection for roadside asset and road surface condition assessment
- Friction testing
- Pavement Management System Software Solutions
- Pavement design and analysis
- Life cycle cost analysis
- Maintenance and rehabilitation strategy development
- Material sampling and testing
- Pavement Preservation
- Structural Capacity Evaluations

The Louisiana Department of Transportation and Development is the first Fugro Roadware client to avail itself of the diverse services offering of the FTIG. Fugro Roadware has conducted LADOTD's roadway data collection surveys since 2000, and now LADOTD has expanded its infrastructure data collection survey to include ground penetrating radar, falling weight deflectometer testing and friction testing for non-destructive roadway evaluation, in addition to the data elements delivered over the past nine years.

We are ready to help with your road management needs. Contact us at 800-828-2726, info@roadware.com, or stop by and visit us at booth #2525 at the [2009 APWA International Public Works Congress and Exposition](#) in Columbus, OH, or at [other conferences](#) we will be attending, to learn more about how Fugro Roadware and the Fugro Transportation Infrastructure Group's proven technology and pavement engineering expertise can aid your organization in the effective management of its road network.

Bonnie Collins
Editor

Roadware is the world's leading provider of data collection equipment and services for the roadway management sector

Products and services include:

- Automated data collection and analysis services
 - for asset management applications
 - for pavement management applications
- ARAN automated data collection equipment