

# Pavement Consulting Services



Falling Weight Deflectometer (FWD)

Fugro's Pavement Engineering Group provides state-of-the-art services, equipment, and facilities. You will benefit from the experience of our engineers, who have managed large and small projects around the world for public and private entities. Projects include roadways, ports, airports, and intermodal facilities. Working with the Fugro team, you will have the flexibility and resources to complete the following types of projects:

## Pavement Data Collection

- Condition surveys (Automated surveys (ARAN), Manual surveys)
- Asset and sign inventories
- High resolution imaging
- GPS referencing
- GIS integration



Automatic Road Analyzer (ARAN)

## Nondestructive Pavement Evaluation

- Structural deflection and radar testing (Falling Weight Deflectometer (FWD), Ground Penetrating Radar (GPR))
- Visual distress surveys, automated or manual
- Ride quality assessment

## Pavement Management Systems

- Data collection (inventory/inspection)
- Implementation and integration
- Performance modeling
- Maintenance and rehabilitation strategies
- Budget analysis and workplans



Ground Penetrating Radar (GPR)

Austin TX

Baton Rouge LA

Beaumont TX

Columbia MD

Corpus Christi TX

Dallas TX

Fort Worth TX

Houston TX

Lake Charles LA

Los Angeles CA

New Orleans LA

Pasadena TX

Phoenix AZ

San Antonio TX

Waco TX

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# Fugro Pavement Consulting Services



Coring Rig



Lightweight Deflectometer (LWD)



Dynamic Cone Penetrometer (DCP)

## Pavement Materials Sampling and Testing

- Pavement coring and boring (Coring Rig)
- Pavement materials testing
- Superpave asphalt mix design and analysis
- Dynamic Cone Penetrometer testing (DCP)
- Lightweight Deflectometer testing (LWD)

## Pavement Design

- Mechanistic-empirical design
- Life cycle cost analysis
- AASHTO design procedures
- Identification of optimum rehabilitation strategies

## Pavement Preservation

- Surface Treatment Recommendations
- Project identification and selection
- Custom program development
- Budget optimization

## Training Services

- Mechanical-empirical design
- Pavement management
- Pavement preservation techniques
- Distress identification

## Local Expertise. Worldwide Strength.

Fugro Consultants is an engineering and consulting firm that provides onshore geotechnical engineering services, construction materials engineering and testing, pavement management programs, nondestructive testing, in-situ field measurements and geophysical investigations. Fugro operates in 50 countries with more than 12,000 employees in approximately 275 locations with offices and laboratories in Texas, Louisiana, California, Arizona and South Carolina. 888.241.6615 [www.fugroconsultants.com](http://www.fugroconsultants.com)

