

Laboratory Services



Fugro's Laboratory is an independent, AASHTO Materials Reference Laboratory (AMRL) and an accredited Hot Mix Asphalt (HMA) materials analysis laboratory, providing testing services to refineries, contractors, suppliers, agencies, and other user producer groups. Fugro offers a comprehensive range of HMA testing services maintaining the highest quality test equipment and trained personnel. The laboratory is also equipped to perform testing procedures corresponding to the Strategic Highway Research Program (SHRP), including the state-of-the-art system known as Superpave.

Fugro has conducted quality control testing of HMA in both a central lab and in the field for many years. We are nationally recognized for the work completed on a federally funded program tasked with developing Quality Acceptance and Quality Control (QA/QC) procedures for the production and construction of traditional and Superpave mixes.

All testing procedures performed through Fugro follow current American Society of Testing Materials (ASTM) and American Association of State Highway and Transportation Officials (AASHTO) specifications for materials testing. Tests and services provided by the Laboratory include:

- **Aggregate Testing**
- **QA/QC Services**
HMA, traditional and SHRP
Binder, traditional and SHRP
- **Research Projects**
- **Field Support Services**



Superpave System

Fugro is recognized as an industry leader in many aspects of the Superpave system. Staff members were involved in the original development of Superpave as technical consultants to SHRP and Fugro maintains an active role in the enhancement of the system through efforts funded by the U.S. Department of Transportation, Federal Highway Administration (USDOT-FHWA) and AASHTO.

We can provide assistance and training to those interested in adopting all or part of the Superpave technology. Our staff has prepared a training program that includes discussion of HMA design and analysis utilizing the Superpave methods, and QA/QC procedures based on traditional methods and recently developed, statistically-based concepts. The training program can be tailored to fit the needs of any interested company or agency, and can be taught at those facilities or other locations as desired.

- **Asphalt Binder Testing**
Traditional and SHRP performance graded asphalts
- **Asphalt Binder Modification/ Blending**
Low and high shear blending of polymers and elastomers
- **Asphalt Mix Design**
Marshall, Hveem, and Superpave Volumetric Mix Design

- 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