



Danish Road Management for South Africa

Over the next four years, Carl Bro Group will measure the bearing capacity of the national road network in South Africa.

Carl Bro Group has won one of the largest measurement assignments to date in the global road management market. In the coming four years, Carl Bro Group and its local partner, the asphalt contractor Blacktop, will measure the bearing capacity of the national road network in South Africa.



[Read more](#)

PRIMA 100 and recycled and secondary aggregate

PRIMA100 Light Weight Deflectometer is, as expected, becoming a more and more accepted independent measuring method. An ASTM standard for the application of LWD is being prepared. UK Highway Agencies have described requirements to measurements with LWD/FWD in "Design Guidance for Road Pavement Foundations" and furthermore, the method is described in



"A design and specification guide for Scotland's road authorities to facilitate the use of recycled and secondary aggregates" published by WRAP (www.wrap.org.uk).

[Read more](#)

Pulse time matters

We have received a number of questions from customers and users of PRI2100 and PRIMA 100, who have been involved in tests where results from different kinds of equipment were compared.

The general wish is to understand the parameters that influence the comparison.

[Read more](#)

New updated data collection software

Carl Bro Group gives high priority to the current software development. This holds for RoSy as well as for the software applied for our falling weight deflectometers.

»Often we receive good ideas and suggestions from our customers and to the largest extent possible we try to implement the ideas in future software«, René Clemen, production manager, Pavement Consultants, tells.

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Huge interest in Danish innovation project



Carl Bro Group is the first manufacturer in the world to have developed advanced measuring equipment that can check runways for the new giant Airbus A380 airplane.

There is currently huge interest from across the world in a new Danish measuring equipment system that is playing a role in one of the most ambitious aircraft projects in the history of flight, the Airbus A380.

Carl Bro Group is actually the first manufacturer in the world to have developed a system that can measure the load-bearing capacity of runways that will receive the jumbo airliner once it enters into commercial service in earnest during 2006.

[Read more](#)

Bearing capacity measurements on toll motorway in Greece

Carl Bro Group, Pavement Consultants, has carried out bearing capacity measurements on a toll motorway north of Athens for the Spanish company, Ferrovial Agroman s.a. The road and the maintenance of the road is being taken over from the Greek state by a Greek contractor employed by the Spanish company.



150 km of motorway were measured amounting to a total of 1800 measuring points measured with 40, 60 and 80 kN respectively in the outer lane in both directions. The measurements were performed during October and November 2005 with a falling weight deflectometer integrated in a van.

Furthermore, 10 km of motorway were measured in the western part of Greece.

The FWD measurements were carried out on heavily trafficked motorways. Due to the heavy traffic ordinary road closing was not possible. In order to secure the employees carrying out the measurements, mobile road closing was applied consisting of a truck, van and flagmen.

Cores were taken out at some of the measuring points in order to determine the bound layer thicknesses of the pavement structure. This work is extremely risky at heavily trafficked roads.

Carl Bro Group, Pavement Consultants analysed all data using RoSy DESIGN (back-calculation program) and in accordance with the AASTHO method.

Customer support

We find that customer support is very important and our aim is to secure that our customers receive rapid and efficient support.

Part of our support is our e-mail system. We would like to introduce you to three e-mail addresses with direct access to our specialists on PRI2100 FWD/HWD and Super HWD, PRIMA 100 LWD and our specialists on pavement structure consultancy/RoSy DESIGN. Each e-mail address is supported by several of our specialists.

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