

**Resolution  
on  
Falling Weight Deflectometer (FWD) Calibration Centers**

WHEREAS, pavement rehabilitation is a substantial portion of every State's transportation program; and

WHEREAS, the new Pavement Design Guide being developed under NCHRP 1-37A will be dependent on modulus properties as a primary input function for pavement rehabilitation design; and

WHEREAS, the device used to obtain this in situ modulus value is the falling weight deflectometer (FWD); and

WHEREAS, FWD devices require frequent calibration to provide reliable results; and

WHEREAS, there is increased use of FWDs by AASHTO, the member departments and private industry in the pavement design process; and

WHEREAS, Pennsylvania, Minnesota, Nevada, and Texas currently operate and support (financially and with personnel) regional FWD Calibration Centers servicing all of the AASHTO member departments and private industry and this service requires a significant resource commitment from these four agencies;

NOW THEREFORE, recognizing the vital services that these FWD Calibration Centers provide to the highway community, BE IT RESOLVED, that the AASHTO Subcommittee on Materials encourages the continued operation of the FWD Calibration Centers; and

BE IT FURTHER RESOLVED, that the AASHTO Subcommittee on Materials encourages the Federal Highway Administration, the FWD Users Group, the AASHTO Subcommittee on Materials, the AASHTO Joint Task Force on Pavements, and other interested parties, to identify short- and long-term solutions to address the need of FWD calibration; and encourages the investigation of new technologies that may allow FWD owners to conduct self calibrations in order to reduce the burden on regional centers.

Adopted by  
AASHTO Subcommittee on Materials  
August 3, 2001