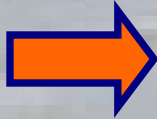


STRAUS PAVEMENT DAMAGE ESTIMATION™ (SPDE)

Exclusive in-house model and services provided by ESRA
for Departments of Transportation and other transport agencies
www.choicepavement.com



Featured in ADOT/ FHWA landmark publication, Estimating the Cost of Overweight Vehicle Travel on Arizona Highways, FHWA-AZ-06-528, National Academy of Sciences presentations, and on the News.



BENEFITS

- increased safety & security
- improved pavement design
- significant pavement savings
- permit fee development
- load lifting or restricting
- used by government agencies

FEATURES

- technical reports
- scientifically proven
- rapid
- objective
- standardized

Each year, millions of dollars of damage associated with life span, design, and maintenance of state highways and structures are attributed to vehicles that exceed state weight limits. Pavement damage impacts public safety everywhere.

Reports show that pavement damage increases exponentially with axle weight. The Straus Pavement Damage Estimation™, or SPDE, is the only such tool of its kind to successfully differentiate between illegally and legally overweight trucks.

The US Government will soon allocate billions of dollars in the highway infrastructure. The SPDE offers the *only* independent and accurate assessment of pavement damage estimation to improve highway cost allocations and cost-benefit analyses.

TESTIMONIES

"This report is more than excellent. You have some real researchers working on this. They have come up with some very helpful and innovative facts and figures. Thank you for that."

- ARIZONA MOTOR VEHICLE DIVISION

"This type of information has never been available to VTrans but has always had great potential whether it be in development of permit fees or, specifically for our Section, in the design of new pavements. With the movement toward the Mechanistic-Empirical design approach there is strong potential for SPDE results to play a part in developing more efficient and reliable pavement structures. Based on the recently received deliverable and the pleasant experience of working with ESRA professionals on this project, all indications are this undertaking could pay dividends for VTrans."

- STATE OF VERMONT,
VERMONT AGENCY FOR TRANSPORTATION

"The calculated SPDE value is reasonably close to what we anticipated.... The accompanying report is useful... We will use the SPDE and accompanying report to provide to our state agencies. We are satisfied with the SPDE results...."

- WYOMING HIGHWAY PATROL

"We never estimated pavement damage due to overweight vehicles. The calculated SPDE value is useful. The accompanying report is useful. We will use the SPDE and accompanying report to provide to our federal agencies (FHWA and FMCSA)....."

- STATE OF VERMONT,
DEPARTMENT OF MOTOR VEHICLES

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