



About the Software

AASHTOWare Pavement ME Design is the next generation of pavement design software. It is built upon the NCHRP mechanistic-empirical pavement design guide. AASHTOWare Pavement ME Design is a production-ready software tool to support the day-to-day operations of public and private pavement engineers.

It calculates pavement responses (stresses, strains, and deflections) and combines them with other pavement, traffic, climate, and materials parameters to predict the progression of key pavement distresses and smoothness loss over time for hot-mix asphalt (HMA) and Portland cement concrete (PCC) pavements. These outputs are the basis for checking the adequacy of a trial design.

AASHTOWare Pavement ME Design is a powerful program that incorporates a user-friendly interface with several functional, stability, and performance enhancements, such as improved runtime, automatic update notification, an SI version, inclusion of highway capacity limits, climate data viewers and climate summaries, batch processing, multi-project editing, project compare tool, error checking for individual inputs and forms, provisions for sensitivity analysis, thickness optimization, ability to import back-calculation data, database functionality at enterprise and workstation level, a structural response query tool, and improved reporting.

AASHTOWare Pavement ME Design reflects a change in the methods and procedures engineers use to design pavement structures. It takes advantage of the advances in material mechanics, axle-load spectra and climate data for predicting pavement performance. While this software does not answer all of the challenges to pavement design, it is a quantum leap forward from previous pavement design procedures and facilitates future development in pavement modelling and analysis.

Planned Enhancements FY19

Calibration Assistance Tool

The calibration assistance tool (CAT) will help the user accomplish the following three objectives for each distress transfer function:

1. Determine whether there is any bias in the predictions.
2. Establish the cause of any bias if it is found through the calibration process.
3. Optimize the calibration coefficient of the transfer function(s) for each distress to eliminate bias and minimize the standard error of the estimate.

Licensing Fees¹ and Options

Individual License

The individual workstation license is used by one person at a time and operates in standalone mode.

Description	Annual License Fee
Single user	\$5,800

¹ The support included in the license fee covers the software installation and confirmation it runs correctly; the license administration package works for site licenses; and general instruction about the software.

Site License

A site license is based on the maximum number of concurrent users accessing the program through a single license server in the network. A site license requires a connection to the internet when installing the software. A site license permits cities/counties, and contractors/consultants employed by the licensing agency access to the product on the Member Department's network.

Description	Annual License Fee
Site License – up to 9 concurrent users	\$23,100
Site License – up to 14 concurrent users	\$34,700
Site License – up to 20 concurrent users	\$46,200

Backcalculation Tool

The Pavement ME Deflection Data Analysis and Backcalculation Tool can be used to generate backcalculation inputs from Falling Weight Deflectometer (FWD) files to the AASHTO Pavement ME Design software for rehabilitation designs. Although the tool is included with the Pavement ME Design software, it can also be licensed separately and used as a standalone single user application. A training presentation is available at <http://me-design.com/MEDesign/Webinars.html>.

Description	Annual License Fee
Single user	\$1,250

Educational License

A no cost specially modified version of the AASHTOWare Pavement ME Design software is available to educational institutions within the jurisdictions of AASHTO Member Departments, and/or Associate Members to use only for instructional purposes in the classroom. For more information, go to: www.aashtoware.org/products/pavement/pavement-ordering.

International License

AASHTOWare Pavement ME Design is available for licensing to organizations located outside the United States and that do not have membership in AASHTO, and AASHTO has made arrangements for these entities to license the software through Applied Research Associates, Inc. (ARA). For information about license fees, technical support and training, contact ARA at (217) 356-4500 or pavementmedesign@ara.com.

Service Units

AASHTO established an arrangement with the contractor, ARA, for agencies to acquire special fixed-fee increments of contractor-provided service for consultation and support to assist the agency with such things as preparing, loading and customizing data and customizing the user interface, calibrating and training. Service Units can be ordered in units of \$13,500, which cannot be prorated and shall be paid upon receipt of the invoice. This fee includes the AASHTO administrative costs. Each service unit provides \$12,200 in ARA contractor services.

Additional Information

Please visit the AASHTOWare website at www.aashtoware.org or contact:

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