

Applied Research Associates



Release Notes

Build 2.5.2

August 30th 2018



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1 Introduction

This document describes the resolved and closed issues as well as the features present in the v2.5.2 release of AASHTOWare Pavement ME Design released on August 30th 2018.

2 Updates and changes

- AC Rehabilitation Design Changes
 - Default level has been changed to level 2.
 - The allowable range for the existing layer fatigue cracking amount (%) has been changed from 1-80 percent to 0-80 percent.
- The Help Manual has been updated to reflect the climate UI changes.
- Application Defaults Changes
 - Users can once again define defaults so that they show up for selection in the appropriate selection dialogs. User defined default files should be stored at C:\ProgramData\AASHTOWare\ME Design\User Defaults. The application will check here first to see if the user has supplied defaults and will use any defaults found in this location when creating new projects.
 - A new node has been added to the "Tools" node in the explorer tree. "Export Configurable Templates" will output the default files that come with the installer. (note these are not user defined defaults). These can then be altered and used as agency/machine specific defaults by placing them in the C:\ProgramData\AASHTOWare\ME Design\User Defaults folder.
 - Calibration coefficient defaults were also moved to the C:\ProgramData\AASHTOWare\ME Design\User Defaults\Calibration folder.
- Water table depth was not accepting the user defined values and would continuously revert back to previously entered value for the project. This has been corrected.
- Updated API key for Google Maps elevation API per changes to Google Maps API policies.
- Several minor bugs fixes.
- Fixed error related to incorrect index selection when retrieving material layer data from the database.
- Asphalt fatigue damage beta f1 updated as follows:
 - v2.5.0; v2.5.1
 - Less than 5 inches: $\beta_{f1}=0.002054$
 - 5 to 14 inches: $\beta_{f1}=0.5014(h_{AC})^{(-3.416)}$
 - Greater than 14 inches: $\beta_{f1}=0.00061$
 - v2.5.2
 - Less than 5 inches: $\beta_{f1}=0.02054$
 - 5 to 12 inches: $\beta_{f1}=5.014(h_{AC})^{(-3.416)}$
 - Greater than 12 inches: $\beta_{f1}=0.001032$
- Bottom-up fatigue cracking C2 calibration coefficient updated as follows:
 - v2.5.0; v2.5.1
 - Less than 5 inches: 2.1585
 - 5 inches to 14 inches: $0.867 + 0.2583 * hac$
 - Greater than 14 inches: 4.5
 - v2.5.2



- Less than 5 inches: 2.1585
- 5 inches to 12 inches: $0.867 + 0.2583 * hac$
- Greater than 12 inches: 3.9666

3 Feature Requests

Feature requests can be made to Pavementmedesign@ara.com or to task force members. Requests can also be filed through the Pavement ME Design web portal at www.me-design.com.

4 Upgrading

To upgrade to the newest version of the software, users will need to uninstall the current version and then reinstall the new version of the software on their machines. They will be required to input their updated or new license code (and license URL for site license users) after the program is installed and opened. The new version of the software can be downloaded at <http://www.me-design.com>.

5 Contact information

If you have any questions regarding these release notes, or regarding the ME Design software, please contact the ME Design Support Team at:

The ME Design Support Team

Email: pavementmedesign@ara.com

Phone: 1-877-500-3496 or 217-356-4500

Monday through Friday

8:00am – 5:00pm CST