

Applied Research Associates



# Release Notes

Build 2.5.5

*July 1<sup>st</sup> 2019*



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# 1 Introduction

This document describes the resolved and closed issues as well as the features present in the v2.5.5 release of AASHTOWare Pavement ME Design released on July 1<sup>st</sup> 2019. Please note that questions regarding the software can be sent to [pavementmedesign@ara.com](mailto:pavementmedesign@ara.com), or via the online discussion forum at <https://engineering.stackexchange.com/questions/tagged/pavement>. Remember to tag any questions you ask on the forum with the “pavement” keyword.

## 2 Enhancements

Pavement ME Design 2.5.5 implemented the enhancements described in the following subsections.

### 2.1 Analysis Lift

The Pavement ME Design analysis subsystem has been completely reworked and can now run independently of the file system. Data transfer objects were created for each analysis module and are utilized during the analysis process.

### 2.2 Other Notable Changes

The climate user interface has been updated to use the Google Maps API.

## 3 Issues Resolved

This section will detail the issues resolved in build 2.5.5 since the previous (2.5.4) build was released.

ID	Title	Repro Steps	State
10184	Per-module CLI does not report correct modules	NA	Closed
10158	OutputConverter "reformatting" of JPCPFaulting2 needs wider EPCC field	At least these V V projects: All 3 level projects from each of the following prefixed projects: 101, 132, 142, 151, 191, 211.	Closed
10157	PF parsing errors for superpave grade	At least 4 V V projects: New Semi-Rigid US Level 1 SG New Semi-Rigid US Level 2 SG NewAC_US_Lv1_SG NewAC_US_Lv2_SG	Closed
10151	Fix per-module console app entry point logic.	The command argument offsets are incorrect.	Closed
10057	MasterTCModel gives very different results in v2.5.5 vs v2.5.4	Comparing the MTCM input and outputs between v2.5.4 and v2.5.5-preview.1, for Level 1 AC projects, we see nearly identical inputs, but wildly different outputs in a few files, like comply.in and .tcr. Use the attached project (a V V project, New AC US Lvl 1 CG) to compare.	Closed

9919	"V&V Files US Customary\\NewAC_US_Lv1_SG.dgpx" analysis crashes during ModulusApplicator	NA	Closed
9917	"V&V Files US Customary\\NewAC_US_Lv1_CG.dgpx" analysis crashes during ModulusApplicator	NA	Closed
9916	"V&V Files US Customary\\New Semi-Rigid US Level 1 SG.dgpx" analysis crashes during ModulusApplicator	NA	Closed
9915	"V&V Files US Customary\\New Semi-Rigid US Level 1 CG.dgpx" analysis crashes during ModulusApplicator	NA	Closed
9914	"V&V Files SI\\NewAC_SI_Lv1_SG.dgpx" analysis crashes during ModulusApplicator	NA	Closed
9913	"V&V Files SI\\NewAC_SI_Lv1_CG.dgpx" analysis crashes during ModulusApplicator	NA	Closed
9912	"V&V Files SI\\New Semi-Rigid SI Level 1 SG.dgpx" analysis crashes during ModulusApplicator	NA	Closed
9911	"V&V Files SI\\New Semi-Rigid SI Level 1 CG.dgpx" analysis crashes during ModulusApplicator	NA	Closed
9910	"V&V Files SI\\AC_over_JPCP_Example SI.dgpx" analysis	NA	Closed

	crashes during CrackingACRehab		
9909	"V&V Files SI\\AC_over_CRCP_Example SI.dgpx" analysis crashes during CRCPOpt	NA	Closed
9908	"V&V Files SI\\AC over CRCP SI Level 3.dgpx" analysis crashes during CRCPOpt	NA	Closed
9907	"V&V Files SI\\AC JPCP SI Level 3.dgpx" analysis crashes during CrackingACRehab	NA	Closed
9797	Interface range file needs adjustment for CSB modulus input limits	NA	Resolved
9763	Wrapped Cracking modules don't set FolderPath	NA	Closed
9754	DGDSUBK DTO lift oversimplified input logic re PredictedPCCStrength	NA	Closed
9740	GoogleMap API Elevation call needs to be moved to javascript so the server can request using the locked down API key	Currently the code calls the elevation API from C# Should come from the GoogleMap.html javascript.	Closed

## 4 Outstanding Issues

This section will detail known existing issues in this release of the software and any workarounds available for those issues.

ID	Title	Repro Steps	
9796	For AC over semirigid, there needs to be validation that NDT modulus input for CSB layer is strictly between max modulus and min modulus	NA	New



## 5 Feature Requests

Feature requests can be made to [Pavementmedesign@ara.com](mailto: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](http://www.me-design.com).

## 6 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>.

## 7 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](mailto:pavementmedesign@ara.com)

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

Monday through Friday

8:00am – 5:00pm CST