

PennDOT e-Notification

Bureau of Business Solutions and Services
Highway/Engineering Applications Division



ABLRFD

No. 017
August 20, 2014

Release of Version 1.13.0.1

The Department's LRFD Abutment and Retaining Wall Analysis and Design (ABLRFD) program has been revised to correct several issues reported since the release of ABLRFD v1.13.0.0 as described in the attached "Summary of May 2014 Revisions – Version 1.13.0.1".

The new version has been placed on PennDOT servers for use by the Districts. Consultants and others, who have a current license agreement for **ABLRFD Version 1.13.0.0**, can download Version 1.13.0.1 **free** of charge from our support website, <http://penndot.engrprograms.com>.

Updates for **ABLRFD Version 1.12.0.0 or earlier** will require an **update fee**. For ABLRFD update fee details, refer to the following link: <http://penndot.engrprograms.com/home/Ordering/ABLRFD.htm>. Any update requiring an update fee, should be requested by submitting the required update fee along with an Update Request form ([http://penndot.engrprograms.com/home/Ordering/UpdateForm\(12-13\).pdf](http://penndot.engrprograms.com/home/Ordering/UpdateForm(12-13).pdf)).

NOTE: ABLRFD v1.13.0.1 is not compatible with Windows XP.

Please direct any questions concerning the above to:

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Attachment

Archived copies of all previously distributed e-Notifications can be obtained from the PennDOT LRFD and Engineering Programs website at <http://penndot.engrprograms.com/home> and clicking on "e-Notification" and then "Mailing List Archives."

SUMMARY OF MAY 2014 REVISIONS - VERSION 1.13.0.1

Since the release of ABLRFD Version 1.13.0.0 several revision requests and user requested enhancements have been received. This release of ABLRFD Version 1.13.0.1 contains the following revisions and enhancements.

General Program Revisions

1. **The method of calling the engineering program DLL from the Engineering Assistant has been changed for compatibility with EngAsst v2.5.0.0 which uses Microsoft's .NET Framework, version 4.5. Because of this, ABLRFD will no longer work with EngAsst v2.4.0.6 or v2.4.0.9 unless the EngAsst "Edit / Run EXE – Command Window" option is selected. ABLRFD will no longer work with EngAsst v2.4.0.0 and earlier (Request 379).**
2. The ABLRFD program has been updated to compile with Intel Fortran XE 2013 SP1 Update 1 using Visual Studio 2012 Update 4. (Requests 367)

Input Revisions

3. The program has been revised to correctly apply a default dry unit weight for the second soil layer on the SOI command when the user has not entered a value. Previously, the program would apply the default when the user had already provided a value. (Requests 380)
4. The program has been revised to issue a warning message if one the of the back face batter components on the AT2,AWB or RWL command is either set to zero or left blank when the other component has a value greater than zero. Previously, there would be no warning message for this condition. (Request 381)

User Manual Revisions

5. The User Manual Section 6.12.4 has been revised to clarify how the service axial capacity is determined. (Request 365)