

PennDOT e-Notification

Bureau of Business Solutions and Services
Highway/Engineering Applications Division



BAR7

No. 013
January 26, 2015

Release of Version 7.14.0.1

The Department's Bridge Analysis and Rating (BAR7) program has been revised to correct several issues reported since the release of BAR v7.14.0.0 as described in the attached "SUMMARY OF JANUARY 2015 REVISIONS – VERSION 7.14.0.1".

The new version has been placed on PennDOT servers for use by the Districts. Consultants and others, who have a current license agreement for **BAR7 Version 7.14.0.0**, can download Version 7.14.0.1 **free** of charge from our support website, <http://penndot.engrprograms.com>.

Updates for **BAR7 Version 7.13.x.x or earlier** will require an **update fee**. Please refer to the following link for BAR7 update fee details: <http://penndot.engrprograms.com/home/Ordering/BAR7.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: BAR7 v7.14.0.1 is not compatible with Windows XP.

Please direct any questions concerning the above to:

Shyhmann Ji, P.E.

*PennDOT Bureau of Business Solutions and Services
Highway/Engineering Applications Division
Phone: (717) 783-8822 | Fax: (717) 705-5529
e-mail: sji@pa.gov*

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 JANUARY 2015 REVISIONS - VERSION 7.14.0.1

Since the release of BAR7 Version 7.14.0.0, several problem reports have been received. This release of BAR7 Version 7.14.0.1 contains the following revisions.

Programming Revisions

1. The member IDs and member forces reported for each plate location in the "Gusset Plates: DL & LL Forces and Angles" tables for truss panels with midpoints may be incorrectly matched. However, the correct member forces are used for the rating calculations. The output table has been corrected. (BAR7REV202)
2. For patch load analysis of girders, an incorrect array index for the end shears may result in an array bound error. The array index was corrected. (BAR7REV203)
3. Flange projection violations (888.88 F) in the detailed "Strength and Load Factor Ratings" tables were mistakenly not reported while a warning was displayed following the rating summary table at the end of the output file. The projection violations are now reported in the "Strength and Load Factor Ratings" tables. (BAR7REV204)