

# PennDOT e-Notification

Bureau of Business Solutions and Services  
Highway/Engineering Application Division



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## **BPLRFD**

No. 003  
April 5, 2010

## **Release of Version 1.5.0.0**

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The Department's LRFD Bearing Pad Design and Analysis (BPLRFD) program has been revised as described in the attached "Summary of January 2010 Revisions – Version 1.5.0.0".

The new program has been placed on PENNDOT servers for use by the Districts. Consultants and others, who have a current license agreement for **BPLRFD Version 1.4.0.0**, can obtain the updated version by submitting an Update Request form along with the **update fee of \$100 for private organizations and \$50 for governmental agencies**. Updates for **BPLRFD Version 1.3.0.0 or earlier** will require an **additional fee**. For BPLRFD update fee details, refer to the following link: <http://penndot.engrprograms.com/home/Ordering/BPLRFD.htm>. The update fee is waived for federal and state transportation agencies.

The Software Update Request form can be obtained on the PENNDOT Engineering Software Support website at <http://penndot.engrprograms.com> by clicking on "Ordering/Updating" and, then on "Update Form".

Please direct any questions concerning the above to:

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Attachment

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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 2010 REVISIONS - VERSION 1.5.0.0**

Since the release of BPLRFD Version 1.4.0.0 several revision requests and user requested enhancements have been received. This release of BPLRFD Version 1.5.0.0 contains the following revisions and enhancements.

### **User's Manual Revisions**

1. Chapter 9 of the user's manual has been updated for issues regarding the PennDOT Bureau Name. Two instances of "Engineering Unit" and one instance of "Bureau of Information Systems" have been replaced by "Engineering Software Section" and "Bureau of Business Solutions and Services", respectively (Request 063).

### **Input Revisions**

2. The lower limits of the LRX command parameters 1 and 2, Maximum and Minimum Dead Load Reaction, have been changed from 0 kip to 0.1 kip to resolve a divide by zero error (Request 058).
3. Acceptable entries for the CTL command parameter 4, Superstructure Type, have been revised to only accept "IP", "BA", "BS", "IS", and "BT". The superstructure type must be entered as one of the five 2-letter options, as the numerical entries (1 through 5) are no longer supported by the program. Pre-existing input files must be modified to accept the new 2-letter format (Request 059 and Request 068).
4. As a result of a decision by the AASHTO Subcommittee on Bridges and Structures to no longer publish SI unit specifications, the program only supports US customary (US) units. The only acceptable entry for the CTL command parameter 1, System of Units, is "US" (Request 067).

### **Output Revisions**

5. BPLRFD will now produce PDF versions of all output files in addition to the text-only files (Request 066).