PENNDOT e-Notification

Bureau of Business Solutions and Services
Highway/Engineering Application Division

BAR7 No. 009 May 30, 2008	**Release of Version 7.12.0.1**

The Department's Bridge Analysis and Rating (BAR7) program has been revised to include several bug fixes and minor enhancements as described in the attached "Summary of May 2008 Revisions – Version 7.12.0.1".

The new program, BAR7 v7.12.0.1, has been placed on PENNDOT servers for use by the Districts. Consultants and others, who have a current license for **BAR7 v7.12.0.0**, can download Version 7.12.0.1 **free** of charge from our support website at http://penndot.engrprograms.com. Installation instructions are provided at the website.

Updates for **BAR7 Version 7.11.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. The fee must be sent along with a Software Update Request form to receive the update. 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

SUMMARY OF MAY 2008 REVISIONS - VERSION 7.12.0.1

BAR7 Version 7.12.0.1 contains the following revisions:

General Program Revisions

1. Corrected a problem where all the sections properties at the beginning of the first span were equal to zero. This was causing slight differences in the results for continuous span structures.

2. Resolved conflicting variable name and subroutine name issue between BAR7 and CBA code. (BAR7REV162)

3. Allowed for a CBA enhancement that accepts user defined distribution factors. (BAR7REV163)

Input Revisions

4. When a negative cover plate thickness is entered for a wide flange section to describe a deteriorated flange, the program now assumes the deterioration applies the entire flange width when the corresponding cover plate width is **not** entered (left blank). Previously, the program would only consider the deterioration when a value was entered for the corresponding cover plate width. (BAR7REV164)

5. Live load codes 7 and 8 were added to the dropdown list for the “Live Load” field of the “Project” tab in Engineering Assistant (EngAsst). (BAR7REV166)

Output Revisions

6. The unbraced length (L_b) and width of the projecting flange element (b′) values are now printed in the detailed output when the 1989 AASHTO Specification is used to compute the maximum strength of an unbraced section. (BAR7REV161)

Load Revisions

7. Added a separate live load (beta) factor of 1.0 for the P-82 permit vehicle. (BAR7REV160)

User Manual Revisions

8. Corrected the shear capacity equation for Operating Ratings for slab bridges and T-beam bridges in Section 3.6.3 of the User’s Manual. (BAR7REV165)