

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 selected 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)