

PENNDOT e-Notification

Bureau of Information Systems
Application Development Division



BXLRFD

No. 003

February 2, 2004

BXLRFD Version 1.3

Clarification of Serviceability Output Issues

This e-Notification has been issued to clarify several serviceability output issues that have arisen since the previously issued e-Notification BXLRFD No. 002.

1. The actual tensile stress must always be divided by 12, for US units only.
2. The reason some actual stresses seem to jump to a much higher value, is because this represents an area where the concrete has become cracked. When stresses are computed for a section that is not cracked, the stress values are very small.
3. Under certain circumstances the program may report the allowable crack control stress for the compression steel instead of the tension steel. This may cause a misleading flag to appear that the section fails crack control, or possibly no indication when the section has failed crack control. Therefore, designers are required to calculate the allowable crack control stress by hand for the tension steel, as shown in e-Notification BXLRFD No. 002.
4. A corrected version of the BXLRFD program has been developed and will be released as soon as testing is complete.

Direct any questions concerning the above program to:

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