

PENNDOT e-Notification



Bureau of Design
Bridge Quality Assurance Division

PAPIER

No. 002
August 7, 2002

Issues Regarding Implementation of "Stand-Alone" Footing Option

The following issues have been identified regarding implementation of the "stand-alone" footing option in Version 1.1:

- 1) If an inadequate number of loadings are specified via the FCF command, program execution will terminate with the following error message: **Error - Bad insert position in VDBLINS - fatal**. While not specifically stated in the user's manual, at least one loading must be specified for each limit state/group load up to the highest limit state/group load defined. For example, if the highest limit state to be investigated is STR-IV, then, as a minimum, at least one loading must be specified for STR-I, STR-II, and STR-III limit states.
- 2) The FCD and FCF commands infer that combined stand-alone footings (more than one column on the footing) are supported, when, in fact, they are not. If more than one column is placed on a stand-alone footing, program execution will terminate with the following error message: **Program Error - bad concur column handle in RSFFGSHD**. Combined stand-alone footings are not supported because of the revised logic incorporated into Version 1.1, specifically, the fact that concurrent column forces and not just maximized column forces must be considered.
- 3) A message indicating that the wind angle has been restricted to 0 degrees is erroneously reported at the beginning of various output tables. This alert message should be disregarded since the direction of the wind angle is unknown for a stand-alone footing.

CORRECTIVE ACTION

The fixes for the above issues have already been made to the development version of the next release. The program will correctly handle any limit state/group load definition. However, combined footings are still not supported in the FCD and FCF commands.

Direct any questions concerning the above issues to:

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