# PENNDOT e-Notification

## Bureau of Design
## Engineering Computing Management Division

**BRADD**
No. 032
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**ABLRFD Input Analysis Files: AT2 Stem Height Values**

A minor operational issue has been discovered since the latest release of the BRADD program (version 3.1.6.0, November 2011). This issue affects the computation of a value in the ABLRFD input analysis files. The issue, its symptoms and any workarounds are listed below.

**Problem Statement:**

For High abutments using the bottom footing datum location, the height value given on the AT2 card in the High abutment analysis input file is incorrect. The value given is the structure height and not the stem height, as specified in the ABLRFD Users Manual, Section 5.7. This problem only affects the High abutment type and does not affect any of the other abutment types or wingwalls. This issue does not affect the design input files. Because the ABLRFD analysis input files are not used by BRADD (they are only provided in case the user wants to make independent ABLRFD runs outside of BRADD) this issue does not affect either the abutment design or the drawings generated by BRADD.

# ABLRFD Input Analysis Files: AT2 Stem Height Values

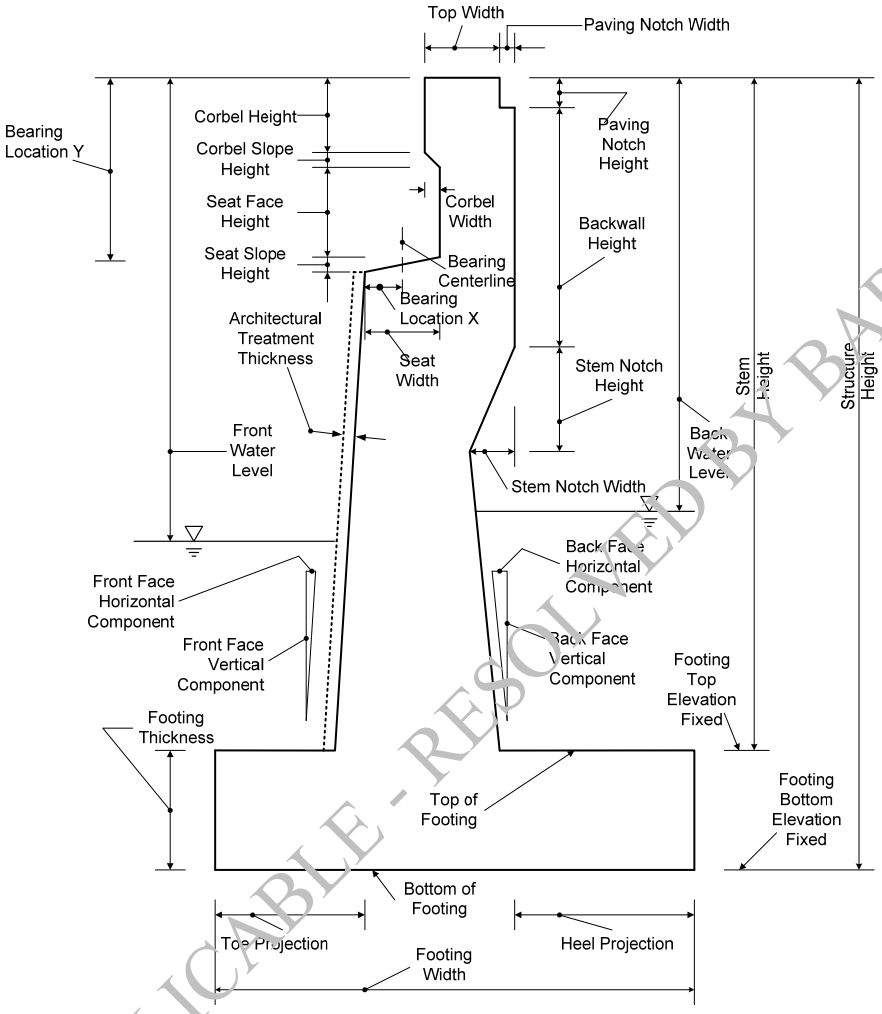


**Figure 1 - From ABLRFD UM - Figure 5.7-1**

**Problem Workaround:**

The workaround for this problem is to manually edit the abutment analysis files (Z_Abut_Analysis.inp) for high abutments using the bottom footing datum location. Decrease the height (first field) on the AT2 card by the value of the actually designed footing thickness.

**Problem Resolution:**

A fix for this problem will be available in the next version of BRADD - version 3.1.7.0.

Please direct any questions to:

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